#### ORAL ARGUMENT NOT YET SCHEDULED

No. 22-7063

#### UNITED STATES COURT OF APPEALS FOR THE DISTRICT OF COLUMBIA CIRCUIT

AMERICAN SOCIETY FOR TESTING AND MATERIALS, et al., Appellants

V.

PUBLIC.RESOURCE.ORG, INC., Appellee

Appeal from the United States District Court for the District of Columbia
Hon. Tanya S. Chutkan, No. 1:13-cv-1215-TSC

# PUBLIC APPENDIX VOLUME 8 (JA4848-JA7295) MATERIAL UNDER SEAL IN SEPARATE SUPPLEMENT

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C530-1970(1975) Standard Specification for Structural Clay Non-Load-Bearing Screen Tile

C530-1970(1986) 0

Current Active Version: C530-2013(2017)

C533-1985(1990) Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation

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C534-1988 Standard Specification for Performed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form

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C547-1977 Standard Specification for Mineral Fiber Preformed Pipe Insulation

Current Active Version: C547-2017 1

C549-1973 Standard Specification for Perlite Loose Fill Insulation

C549-1981(1986) 1

Current Active Version: C549-2018 1

C552-1988 Standard Specification for Cellular Glass Thermal Insulation

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C553-1970(1977) 1 Standard Specification for Mineral Fiber Blanket And Felt Insulation (Industrial Type)

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C587-1968 Standard Specifications For Gypsum Veneer Plaster

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C610-1985 1 Standard Specification for Expanded Perlite Block and Pipe Thermal Insulation

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C612-1983e1 🛈 Standard Specification for Mineral Fiber Block and Board Thermal Insulation

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C618-1978 🛈 Standard Specification for Fly Ash And Raw Or Calcined Natural Pozzolan For Use As A Mineral Admixture In Portland Cement Concrete

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C1186-1991 Standard Specification for Flat Non-Asbestos Fiber-Cement Sheets

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C1264-2011 Standard Specification for Sampling, Inspection, Rejection, Certification, Packaging, Marking, Shipping, Handling, and Storage of Gypsum Panel Products

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C1265-1994(2011) Standard Test Method for Determining the Tensile Properties of an Insulating Glass Edge Seal for Structural Glazing Applications

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C1374-1997 Standard Test Method for Determination of Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation

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D5-1965 Standard Method Of Test For Penetration Of Bituminous Materials

D5-1973(1978) 0

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D92-1997 📵

Current Active Version: D92-2018 1

D93-1971 Standard Method Of Test For Flash Point By Pensky-Martens Closed Tester

D93-1980e1 10

D93-1985 0

D93-1990e1 0

D93-1994 0

D93-1997 **1** 

D93-2002 0

D93-2007 1

D93-2008 0

D93-2013 0

Current Active Version: D93-2018

D95-2005(2010) Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation

Current Active Version: D95-2013(2018)

D97-1987e1 Standard Test Method for Pour Point of Petroleum Oils

Current Active Version: D97-2017b 1

D120-1987e1 Standard Specification for Rubber Insulating Gloves

Current Active Version: D120-2014a 🕖

D127-1963(1977) 🕡 Standard Test Method for Drop Melting Point Of Petroleum Wax Including Petrolatum

Current Active Version: D127-2008(2015) 1

D129-1964(1988) Standard Method of Pesturo Stuffor IAP etilieum PA7dacts By The Bombon

D129-1964(1978) 0

D129-1995 1

D129-2000 0

Current Active Version: D129-2018 1

D150-1987 1 Standard Test Methods for A-C Loss Characteristics and Permittivity (Dielectric Constant) of Solid Electrical Insulating Materials

Current Active Version: D150-2018

D156-1982 1 Standard Test Method for Saybolt Color of Petroleum Products (Saybolt Chromometer Method)

Current Active Version: D156-2015 1

D173-1997b 1 Standard Specification for Bitumen-Saturated Cotton Fabrics Used in Roofing and Waterproofing

Current Active Version: D173/D173M-2003(2018)

D178-1988 Standard Specification for Rubber Insulating Matting

D178-1993(1998) 1

Current Active Version: D178-2019

D224-1975 Standard Specification for Smooth-Surfaced Asphalt Roll Roofing (Organic Felt)

Replaced By: D6380 1

D225-1965(1978) 1 Standard Specification for Asphalt Shingles (Organic Felt) Surfaced With Mineral Granules

D227-1981 Standard Specification for Coal-Tar-Saturated Organic Felt Used In Roofing And Waterproofing

Current Active Version: D227/D227M-2003(2018) 1

D240-1976 1 Standard Test Method for Heat Of Combustion Of Liquid Hydrocarbon Fuels By Bomb Calorimeter

D240-1987(1991)e1 1

D240-1987e Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 54 of 123

D240-1992(1997)e2 1

D240-2000 0

D240-2009 0

Current Active Version: D240-2017 1

D250-1977e1 Standard Specification for Asphalt-Saturated Asbestos Felt Used In Roofing And Waterproofing

D257-1999 Standard Test Methods for DC Resistance or Conductance of Insulating Materials

Current Active Version: D257-2014 1

D270-1965(1980) • Methods of Sampling Petroleum and Petroleum Products (Withdrawn 1982)

Replaced By: D4057 and D4177

D287-1992(2000)e1 Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method)

Current Active Version: D287-2012b 1

D297-1981 Standard Methods for Rubber Products - Chemical Analysis

Current Active Version: D297-2015

D302-1958(1975) Standard Specification for Ethyl Acetate (85 To 88 Percent Grade)

Replaced By: D4614 1

D312-1978 Standard Specification for Asphalt Used In Roofing

Current Active Version: D312/D312M-2016a 🕕

D323-1958(1968) 1 Standard Method Of Test For Vapor Pressure Of Petroleum Products (Reid Method)

D323-1982e2 1

D323-1990 0

D323-1994 0

Current Active Version: D323-2015a 1

D388-1991a **1**D388-1992 **1**D388-1995 **1** 

D388-1991 0

D388-1998 🕕

D388-1999 🕕

D388-1999(2004)e1 1

Current Active Version: D388-2019 1

D396-1978 Standard Specification for Fuel Oils

D396-1989 🕕

D396-1990 🕖

D396-1992 🕕

D396-1996 **①** 

D396-1998 🕕

D396-2002 **1** 

D396-2010 🕕

Current Active Version: D396-2019 🕡

D412-1968 • Standard Method Of Tension Testing Of Vulcanized Rubber

D412-1998a Gase 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 56 of 123

Current Active Version: D412-2016

D413-1998 Standard Test Methods for Rubber Property-Adhesion to Flexible Substrate

Current Active Version: D413-1998(2017)

D418-1982 Standard Methods of Testing Pile Yarn Floor Covering Construction

D418-1992 0

D439-1985a Standard Specification for Automotive Gasoline

Replaced By: D4814 1

D445-1965 Standard Method Of Test For Viscosity Of Transparent And Opaque Liquids (Kinematic And Dynamic Viscosities)

D445-1974 10

D445-1988 0

D445-1994e1 0

D445-2001 0

D445-2006 0

D445-2012 0

Current Active Version: D445-2019 1

D449-1973e1 Standard Specification for Asphalt Used In Dampproofing And Waterproofing

Current Active Version: D449/D449M-2003(2014)e1

D450-1978 Standard Specification for Coal-Tar Bitumen Used In Roofing, Dampproofing, And Waterproofing

Current Active Version: D450/D450M-2007(2018)

D465-1982(1987)e1 Standard Test Methods for Acid Number of Rosin

Current Active Version: D465-2015 1

D471-1996 Standard Test Method for Rubber Property DEffect of Liquids

D471-1998e1 Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 57 of 123

Current Active Version: D471-2016a 🕕

D484-1971 Standard Specification for Hydrocarbon Dry Cleaning Solvents

Replaced By: D235 1

D509-1970(1987) Standard Test Methods of Sampling and Grading Rosin

Current Active Version: D509-2015 🕕

D511-2003 Standard Test Methods for Calcium and Magnesium In Water

Current Active Version: D511-2014 1

D512-1989(1999) Standard Test Methods for Chloride Ion In Water

Current Active Version: D512-2012 1

D516-1990(1995)e1 Standard Test Method for Sulfate Ion in Water

D516-2002 0

Current Active Version: D516-2016

D523-1989(1999) Standard Test Method for Specular Gloss

Current Active Version: D523-2014(2018)

D524-1988 Standard Test Method for Ramsbottom Carbon Residue of Petroleum Products

Current Active Version: D524-2015 1

D566-1976 Standard Test Method for Dropping Point Of Lubricating Grease

D566-1976(1982)e1 1

Current Active Version: D566-2017 1

D570-1995 Standard Test Method for Water Absorption of Plastics

Current Active Version: D570-1998(2018)

D579-1990 Standard Specification for Greige Woven Glass Fabrics

Current Active Version: D579/D579M-2015 1

Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 58 of 123 D610-1985(1989)e1 Standard Test Method for Evaluating Degree of Rusting on Painted Steel Surfaces

Current Active Version: D610-2008(2019)

D611-1982(1998) Standard Test Methods for Aniline Point and Mixed Aniline Point of Petroleum Products and Hydrocarbon Solvents

Current Active Version: D611-2012(2016)

D613-1995 Standard Test Method for Cetane Number of Diesel Fuel Oil

D613-2001 0

D613-2005 0

D613-2013 0

Current Active Version: D613-2018a 🕕

D629-1988 Standard Test Methods for Quantitative Analysis of Textiles

Current Active Version: D629-2015

D635-1997 Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position

Current Active Version: D635-2018 1

D638-2003 Standard Test Method for Tensile Properties of Plastics

Current Active Version: D638-2014 (1)

D660-1944(1970) Standard Method Of Evaluating Degree Of Resistance To Checking Of Exterior **Paints** 

Current Active Version: D660-1993(2011)

D661-1944(1975) 1 Standard Method of Evaluating Degree Of Cracking Of Exterior Paints

Current Active Version: D661-1993(2011)

D665-1998e1 1 Standard Test Method for Rust-Preventing Characteristics of Inhibited Mineral Oil in the Presence of Water

Current Active Version: D665-2014e1

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D714-1956(1981) & Standard Method of Evaluating 198 dee 51 Billste/hold Prince 59 of 123

Current Active Version: D714-2002(2017)

D721-1968(1982) Standard Test Method for Oil Content of Petroleum Waxes

D721-1997 0

Current Active Version: D721-2017

D729-1995 Standard Specification for Vinylidene Chloride Molding Compounds (Withdrawn 2000)

Replaced By: No\_Replacement

D750-1968 ® Recommended Practice for Operating Light - And Weather-Exposure Apparatus (Carbon-Arc Type) For Artificial Weather Testing Of Rubber Compounds

Current Active Version: D750-2012(2017)

D751-1995e1 Standard Test Methods for Coated Fabrics

Current Active Version: D751-2019 1

D756-1978 1 Standard Practice for Determination Of Weight And Shape Changes Of Plastics Under **Accelerated Service Conditions** 

D772-1947(1975) Standard Method of Evaluating Degree Of Flaking (Scaling) Of Exterior Paints

Current Active Version: D772-2018

D781-1968(1973) @ Method of Test for Puncture and Stiffness of Paperboard, Corrugated and Solid Fiberboard (Withdrawn 1984)

Replaced By: No\_Replacement

D808-1987 Standard Test Method for Chlorine in New and Used Petroleum Products (Bomb Method)

Current Active Version: D808-2016

D814-1995(2000) Standard Test Method for Rubber Property- Vapor Transmission of Volatile Liquids

Current Active Version: D814-1995(2014)

D822-1980 Standard Practice for Operating Light - and Water-Exposure Apparatus (Carbon-Arc Type) For Testing Paint, Varnish, Lacquer, and Related Products

D822-1989 Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 60 of 123

Current Active Version: D822/D822M-2013(2018)

D835-1985 Standard Specification for Refined Benzene-485

D836-1984 Decification for Industrial Grade Benzene (Withdrawn 1989)

Replaced By: No\_Replacement

D858-2002 Standard Test Methods for Manganese in Water

Current Active Version: D858-2017 1

D882-1997 Standard Test Method for Tensile Properties of Thin Plastic Sheeting

Current Active Version: D882-2018 1

D910-2007 Standard Specification for Aviation Gasolines

Current Active Version: D910-2017a 1

D923-1986 Standard Methods of Sampling Electrical Insulating Liquids

D923-1989 0

Current Active Version: D923-2015 1

D938-1971(1981) Standard Test Method for Congealing Point of Petroleum Waxes, Including Petrolatum

Current Active Version: D938-2012(2017)

D968-1981(1986)e1 Standard Test Methods for Abrasion Resistance of Organic Coatings by Falling Abrasive

Current Active Version: D968-2017 1

D971-1991 Standard Test Method for Interfacial Tension of Oil Against Water by the Ring Method

Current Active Version: D971-2012 1

D975-1978 Standard Specification for Diesel Fuel Oils

D975-1991 0

D975-1993 **1** 

D975-2004 0

D975-2007 0

D975-2008a 🕕

D975-2011b 🕕

D975-2013a 0

Current Active Version: D975-2019b

D976-1980(1990)e1 1 Standard Test Methods for Calculated Cetane Index of Distillate Fuels

D976-1991(2000)e1 1

D976-2006(2011) ①

Current Active Version: D976-2006(2016)

D994-1971(1982)e1 1 Standard Specification for Performed Expansion Joint Filler for Concrete (Bituminous Type)

Current Active Version: D994/D994M-2011(2016) 1

D1003-1992 1 Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics

Current Active Version: D1003-2013

D1004-1994a Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting

Current Active Version: D1004-2013

D1037-1978 1 Standard Methods of Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials

Current Active Version: D1037-2012

D1048-1988ae1 Standard Specification for Rubber Insulating Blankets

D1048-1993 0

Current Active Version: D1048-2014(2019)

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D1049-1988 @35@iddiad Specification for Prinsiper in Julian Gilled J0/07/19 Page 62 of 123

D1049-1993e1 0

Current Active Version: D1049-1998(2017) 1

D1050-1990(1999) 1 Standard Specification for Rubber Insulating Line Hose

Current Active Version: D1050-2005(2017) 1

D1051-1987 Standard Specification for Rubber Insulating Sleeves

Current Active Version: D1051-2019 1

D1056-1968e1 Standard Specification for Sponge and Expanded Cellular Rubber Products

Current Active Version: D1056-2014 @

D1067-1988 Standard Test Methods for Acidity or Alkalinity of Water

Current Active Version: D1067-2016 1

D1068-2003 Standard Test Methods for Iron in Water

Current Active Version: D1068-2015

D1072-1990(1999) Standard Test Method for Total Sulfur in Fuel Gases

Current Active Version: D1072-2006(2017)

D1078-2005 1 Standard Test Method for Distillation Range of Volatile Organic Liquids

Current Active Version: D1078-2011(2019)

D1081-1960(1968) Standard Method of Test for Evaluating Pressure Sealing Properties Of Rubber And Rubber- Like Materials

D1121-1967 1 Standard Method Of Test For Reserve Alkalinity Of Engine Antifreezes And Antirusts

Current Active Version: D1121-2011

D1123-1959(1968) Standard Method Of Test For Water In Concentrated Engine Antifreezes By The Iodine Reagent Method

Current Active Version: D1123-1999(2015) 1

D1126-1996 @Standard Trest Methods for Partitional Filed 10/07/19 Page 63 of 123

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Current Active Version: D1126-2017

D1137-1953(1975) 1 Method for Analysis of Natural Gases and Related Types of Gaseous Mixtures by the Mass Spectrometer (Withdrawn 1981)

Replaced By: No\_Replacement

D1143-1981(1987)e1 1 Standard Test Method for Piles Under Static Axial Compressive Load

Current Active Version: D1143/D1143M-2007(2013)e1

D1149-1978a 1 Standard Test Method for Rubber Deterioration - Surface Ozone Cracking In A Chamber ( Flat Specimen)

Current Active Version: D1149-2018

D1153-1983 Standard Specification for Methly Isobutyl Ketone

D1153-1994(1997) 1

Current Active Version: D1153-2012

D1193-1970 Standard Specification For Reagent Water

D1193-1977e1 0

D1193-1991 @

Current Active Version: D1193-2006(2018)

D1194-1972(1987)e1 1 Standard Test Method for Bearing Capacity of Soil for Static Load and Spread Footings

D1200-1970 Standard Method Of Test For Viscosity Of Paints, Varnishes, And Lacquers By Ford Viscosity Cup

Current Active Version: D1200-2010(2018)

D1217-1993(1998) 1 Standard Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer

Current Active Version: D1217-2015

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D1218-1982 Stantility Test Method for Regulative I hale wand File field with the person of Mydrocarbon Liquids

Current Active Version: D1218-2012(2016) 1

D1238-1985 Standard Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer

D1238-1990b 0

Current Active Version: D1238-2013 1

D1240-1982 Standard Test Method for Rosin Acids in Fatty Acids

Current Active Version: D1240-2014(2018)

D1243-1979 Standard Test Method for Dilute Solution Viscosity Of Vinyl Chloride Polymers

Current Active Version: D1243-2015

D1246-1995(1999) Standard Test Method for Bromide Ion in Water

Current Active Version: D1246-2016

D1248-1984(1989)e1 1 Standard Specification for Polyethylene Plastics Molding and Extrusion Materials

Current Active Version: D1248-2016

D1250-2007 Standard Guide for Use of the Petroleum Measurement Tables

Current Active Version: D1250-2019

D1252-1995 Standard Test Methods for Chemical Oxygen Demand (Dichromate Oxygen Demand) of Water

Current Active Version: D1252-2006(2012)e1 1

D1253-1986(1996) Standard Test Method for Residual Chlorine in Water

D1253-2003 0

Current Active Version: D1253-2014 1

D1266-1987 Standard Test Method for Sulfur in Petroleum Products (Lamp Method)

D1266-1991(1995) 1

D1266-1998 0

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Current Active Version: 61265-768 Document 198-40 Filed 10/07/19 Page 65 of 123

D1267-2002(2007) Standard Test Method for Gage Vapor Pressure of Liquefied Petroleum (LP) Gases (LP-Gas Method)

Current Active Version: D1267-2018 @

D1293-1984(1990) Standard Test Methods for pH of Water

D1293-1999 0

Current Active Version: D1293-2018

D1298-1985(1990)e1 Standard Practice for Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method

D1298-1999 0

Current Active Version: D1298-2012b(2017)

D1303-1955(1979)e1 1 Standard Test Method for Total Chlorine In Vinyl Chloride Polymers And Copolymers

D1308-1979(1981)e1 1 Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes

Current Active Version: D1308-2002(2013) 1

D1310-1986(1997)e1 Standard Test Method for Flash Point and Fire Point of Liquids by Tag Open-Cup **Apparatus** 

Current Active Version: D1310-2014

D1319-1989 1 Standard Test Method for Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Absorption

D1319-1995a 🕕

D1319-2002a 0

D1319-2003 0

D1319-2013 0

Current Active Version: D1319-2019

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Current Active Version: D1331-2014 1

D1335-1967 Standard Method Of Test For Tuft Bind Of Pile Floor Coverings

D1335-1967(1972) 1

Current Active Version: D1335-2017e1 1

D1353-1983e1 Standard Test Method for Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer, and Related Products

D1353-1996 0

D1353-1996(2000)e1 1

Current Active Version: D1353-2013 1

D1386-1983(1993)e1 Standard Test Method for Acid Number (Empirical) of Synthetic and Natural Waxes

D1386-1998 0

Current Active Version: D1386-2015 🕕

D1387-1984 Standard Test Method for Saponification Number (Empirical) of Synthetic and Natural Waxes

D1387-1989(2002) 1

Current Active Version: D1387-1989(2019)

Current Active Version: D1412/D1412M-2019

D1415-1968 Standard Test Method for International Hardness Of Vulcanized Rubber

D1415-1988(1999) ①

Current Active Version: D1415-2018 1

D1418-1999 Standard Practice for Rubber and Rubber Latices-Nomenclature

Current Active Version: D1418-2017 1

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D1426-2003 Prahidar Test Ment Sus for OCHMBNI ANTI-OGEN FIR WARE 17/19 Page 67 of 123

Current Active Version: D1426-2015

D1434-1982(1998) 5 Standard Test Method for Determining Gas Permeability Characteristics of Plastic

Film and Sheeting

D1434-1982(2009)e1 1

Current Active Version: D1434-1982(2015)e1 🕕

D1435-1994 Standard Practice for Outdoor Weathering of Plastics

Current Active Version: D1435-2013

D1440-1977(1982) 1 Standard Test Method for Length and Length Distribution of Cotton Fibers (array Method)

Current Active Version: D1440-2007(2019)

D1457-1983 Standard Specification for PTFE Molding and Molding and Extrusion Materials

Replaced By: D4894,D4895

D1475-1960(1968) 1 Standard Method Of Test For Density Of Paint, Varnish, Lacquer, And Related **Products** 

D1475-1985 0

D1475-1998 🕕

D1475-1998(2003) 1

Current Active Version: D1475-2013 (1)

D1480-1993(1997) Standard Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Bingham Pycnometer

Current Active Version: D1480-2015

D1481-1991 1 Standard Test Method for Density and Relative Density (Specific Gravity) of Viscous Materials by Lipkin Bicapillary Pycnometer

D1481-1993(1997) 1

Current Active Version: D1481-2017 1

D1492-1978(1984)e4: 135831101646 Fess Method 4014916 Indelege AVON 648 Hydrocol Pool 1543 Coulometric Titration

Current Active Version: D1492-2013 1

D1500-1982 Standard Test Method for ASTM Color of Petroleum Products (ASTM Color Scale)

Current Active Version: D1500-2012(2017)

D1505-1968(1979) Standard Test Method for Density Of Plastics By The Density-Gradient Technique

D1505-1985(1990)e1 1

Current Active Version: D1505-2018

D1518-1985(1998)e1 Standard Test Method for Thermal Transmittance of Textile Materials

Current Active Version: D1518-2014

D1525-1987 Standard Test Method for Vicat Softening Temperature of Plastics

Current Active Version: D1525-2017e1

D1535-1968 Standard Method Of Specifying Color By The Munsell System

D1535-1989 0

Current Active Version: D1535-2014(2018)

D1545-1976(1989)e1 1 Standard Test Method for Viscosity of Transparent Liquids by Bubble Time Method

Current Active Version: D1545-2013(2017)

D1552-1983 Standard Test Method for Sulfur in Petroleum Products (High-Temperature Method)

D1552-1990e1

D1552-1995 🕕

D1552-2001 0

Current Active Version: D1552-2016e1

D1564-1971e1 Standard Methods of Testing Slab Flexible Urethane Foam

Replaced By: D3574 1

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D1565-1976 🍑 ราชาค่าส่งให้เลือง pelatification for Packing cellination at the first pelatification for Packing cellination and Copolymers (Open-Cell Foam)

D1593-1961(1969) Standard Specification For Nonrigid Vinyl Chloride Plastic Sheeting

Current Active Version: D1593-2013 @

D1601-1978 Standard Test Method for Dilute Solution Viscosity Of Ethylene Polymers

Current Active Version: D1601-2018 1

D1608-1960(1967) Standard Method Of Test For Oxides Of Nitrogen In Gaseous Combustion Products (Phenol-Disulfonic Acid Procedure)

Current Active Version: D1608-2016

D1613-1996(1999) Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products

Current Active Version: D1613-2017 1

D1621-1994 Standard Test Method for Compressive Properties of Rigid Cellular Plastics

Current Active Version: D1621-2016 1

D1622-1993 Standard Test Method for Apparent Density of Rigid Cellular Plastics

Current Active Version: D1622/D1622M-2014 (1)

D1640-1983(1989)e1 Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature

Current Active Version: D1640/D1640M-2014(2018) 1

D1646-1981 Standard Test Method for Rubber - Viscosity And Vulcanization Characteristics ( Mooney Viscometer)

D1646-1992 1

Current Active Version: D1646-2019

D1654-1992(2000) Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments

Current Active Version: D1654-2008(2016)e1 1

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D1655-2007 0

Current Active Version: D1655-2019 @

D1667-1976(1990) Standard Specification for Flexible Cellular Materials Vinyl Chloride Polymers and Copolymers (Closed-Cell Foam)

Current Active Version: D1667-2017 1

D1687-1992 Standard Test Methods for Chromium in Water

D1687-2002 0

Current Active Version: D1687-2017 1

D1688-1990 Standard Test Methods for Copper in Water

D1688-1995 1

D1688-2002 0

Current Active Version: D1688-2017 1

D1691-1990 Standard Test Methods for Zinc in Water

Current Active Version: D1691-2017 1

D1692-1968 Standard Method Of Test For Flammability Of Plastic Sheeting And Cellular Plastics

D1693-1994 Standard Test Method for Environmental Stress-Cracking of Ethylene Plastics

D1693-2000 0

Current Active Version: D1693-2015

D1709-2001 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method

Current Active Version: D1709-2016ae1 1

D1747-1962(1978) Standard Test Method for Refractive Index Of Viscous Materials

Current Active Version: D1747-2009(2019)

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D1751-1999 Standidid Specification for Preference Expansion 9611404 Net Poster Electron and Structural Construction (Nonextruding and Resilient Bituminous Types)

Current Active Version: D1751-2018

D1752-1967 (1) Standard Specifications For Preformed Expansion Joint Fillers For Concrete Paving And Structural Construction1 Nonextruding And Resilient Nonbituminous Types

Current Active Version: D1752-2018

D1776-1967e1 Standard Method Of Conditioning Textiles And Textile Products For Testing

Current Active Version: D1776/D1776M-2016

D1796-1983(1990)e1 1 Standard Test Method for Water and Sediment in Fuel Oils by the Centrifuge Method (Laboratory Procedure)

Current Active Version: D1796-2011(2016)

D1824-1966(1972) Standard Method Of Test For Apparent Viscosity Of Plastisols And Organosols At Low Shear Rates By Brookfield Viscometer

D1824-1966(1980)e1 1

Current Active Version: D1824-2016

D1826-1977 1 Standard Test Method for Calorific Value Of Gases In Natural Gas Range By Continuous **Recording Calorimeter** 

D1826-1994(1998) 1

Current Active Version: D1826-1994(2017)

D1835-1997 Standard Specification for Liquefied Petroleum (LP) Gases

D1835-2003 1

Current Active Version: D1835-2018a 🕕

D1836-1983 Standard Specification for Commercial. Hexanes

Current Active Version: D1836-2007(2013)

D1837-2002a(2007) Standard Test Method for Volatility of Liquefied Petroleum (LP) Gases

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D1838-1964(1968) \* Standard Method OP restrent Coppel Portific Color of the Standard Method OP restrent Copp

D1838-2007 1

Current Active Version: D1838-2016

D1861-1977 Standard Specification for Homogeneous Bituminized Fiber Drain And Sewer Pipe

D1862-1977 Standard Specification for Laminated-Wall Bituminized Fiber Drain And Sewer Pipe

D1863-1977 Standard Specification for Mineral Aggregate Used On Built-Up Roofs

Current Active Version: D1863/D1863M-2005(2018) 1

D1886-1994(1998) Standard Test Methods for Nickel in Water

Current Active Version: D1886-2014 1

D1890-1996 Standard Test Method for Beta Particle Radioactivity of Water

Current Active Version: D1890-2015(2017) 1

D1922-2000a Standard Test Method for Propagation Tear Resistance of Plastic Film and Thin Sheeting by Pendulum Method

Current Active Version: D1922-2015

D1943-1996 Standard Test Method for Alpha Particle Radioactivity of Water

Current Active Version: D1943-2005(2012) 1

D1945-1991 Standard Test Method for Analysis of Natural Gas by Gas Chromatography

D1945-1996(2001) 1

D1945-1996e1 0

D1945-2003 0

D1945-2003(2010) 1

Current Active Version: D1945-2014

D1946-1977 1 Standard Method for Analysis Of Reformed Gas By Gas Chromatography

D1946-1982 0

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D1946-1990(1994)-113-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 73 of 123

D1946-1990(2000) @

D1946-1990(2006) 0

Current Active Version: D1946-1990(2015)e1 1

D1962-1985(1989)e1 1 Standard Test Method for Saponification Value of Drying Oils, Fatty Acids, and

Polymerized Fatty Acids

D1962-1985(1995) 1

D2008-1985 Ultraviolet Absorbance and Absorptivity of Petroleum Products

D2008-1991(1996)e1 1

Current Active Version: D2008-2012(2018)

D2013-1972 Standard Method Of Preparing Coal Samples For Analysis

D2013-1986(1994) 1

D2013-2001 0

Current Active Version: D2013/D2013M-2018

D2015-1985 Standard Test Method for Gross Calorific Value of Coal and Coke by the Adiabatic Bomb

Calorimeter

D2015-1996 0

D2016-1974(1983) Methods of Test for Moisture Content of Wood (Withdrawn 1987)

Replaced By: No\_Replacement

D2036-1991 Standard Test Methods for Cyanides in Water

D2036-1998 0

Current Active Version: D2036-2009(2015)

D2099-2000 1 Standard Test Method for Dynamic Water Resistance of Shoe Upper Leather by the

Maeser Water Penetration Tester

Current Active Version: D2099-2014 1

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D2103-1997 @358 ndd and 370 Peter 15 Tor Poryetry 16 and a File of 123

Current Active Version: D2103-2015

D2117-1982(1988)e1 10 Standard Test Method for Melting Point of Semicrystalline Polymers by the Hot Stage Microscopy Method (Withdrawn 1994)

Replaced By: No\_Replacement

D2133-1966(1972) Standard Specification For Acetal Resin Injection Molding And Extrusion Materials

D2156-1965(1970) Standard Test Method for Smoke Density In The Flue Gases From Distillate Fuels

D2156-1980(1988)e1 1

Current Active Version: D2156-2009(2018) **1** 

D2158-1989 Standard Test Method for Residues in Liquefied Petroleum (LP) Gases

D2158-2005 @

Current Active Version: D2158-2016ae1

D2161-1966 Standard Method Of Test For Conversion Of Kinematic Viscosity To Saybolt Universal Viscosity Or To Saybolt Furol Viscosity

D2161-1982 0

Current Active Version: D2161-2019

D2163-1991(1996) 1 Standard Test Method for Analysis of Liquefied Petroleum (LP) Gases and Propene Concentrates by Gas Chromatography (Withdrawn 2005)

D2163-2007 1

Current Active Version: D2163-2014(2019)

D2178-1976 1 Standard Specification for Asphalt-Impregnated Glass Mat Used In Roofing And Waterproofing

Current Active Version: D2178/D2178M-2015a 1

D2197-1986(1991)e1 Standard Test Method for Adhesion of Organic Coatings by Scrape Adhesion

Current Active Version: D2197-2016

D2216-1971 Standard Method of Laboratory Determination Of Moisture Content Of Soil

D2216-1998 Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 75 of 123

Current Active Version: D2216-2019 1

D2234-1976 Standard Methods for Collection Of A Gross Sample Of Coal

D2234-1989e1 0

D2234-1996 0

D2234-1997a 0

D2234-1998 1

D2234-2000 🕕

Current Active Version: D2234/D2234M-2017 1

Current Active Version: D2235-2004(2016)

D2236-1970 Standard Method Of Test For Dynamic Mechanical Properties Of Plastics By Means Of A Torsional Pendulum

D2236-1970(1976) 1

Current Active Version: D4065-2012 1

D2247-1968(1973) Standard Method for Testing Coated Metal Specimens At 100% Relative Humidity

D2247-1992 **(**)

Current Active Version: D2247-2015 1

D2267-1968 Standard Method Of Test For Aromatics In Light Naphthas And Aviation Gasolines By Gas Chromatography

D2267-1988 0

Current Active Version: -19 1

Current Active Version: D2287-2012 1

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D2311-1977(198୩) ପୀର୍ଟ୍ୟ ନିର୍ମ୍ପର ପ୍ରମହିତ ମହିତ ବିଜ୍ଞାନ ବିଜ୍ୟ ବି

D2316-1975 Standard Recommended Practice for Installing Bituminized Fiber Drain And Sewer Pipe

D2321-1974 • Recommended Practice for Underground Installation Of Flexible Thermoplastic Sewer Pipe

Current Active Version: D2321-2018 1

D2359-1985a Standard Specification for Refined Benzene-535

D2359-1993 0

Current Active Version: D2359-2018a 1

D2369-1981e1 Standard Test Method for Volatile Content of Coatings

D2369-1987 🕕

D2369-1990 0

D2369-1992 0

D2369-1993 0

D2369-1995 0

Current Active Version: D2369-2010(2015)e1 1

D2372-1985(1999) Standard Practice for Separation of Vehicle From Solvent-Reducible Paints

Current Active Version: D2372-1985(2015)

D2382-1976 Standard Test Method for Heat Of Combustion Of Hydrocarbon Fuels By Bomb Calorimeter (High-Precision Method)

D2382-1983 0

D2382-1988 0

Current Active Version: D4809-2018

D2417-1977(1981) Standard Specification for Perforated, Laminated-Wall Bituminized Fiber Pipe for General Drainage

D2459-1972(1981)e1 10 Standard Test Method for Gamma Spectrometry of Water

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D2459-1972(1999)e4:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 77 of 123

D2460-1997 Standard Test Method for Alpha-Particle-Emitting Isotopes of Radium in Water

Current Active Version: D2460-2007(2013) 1

D2487-1969(1975) Standard Test Method for Classification Of Soils For Engineering Purposes

Current Active Version: D2487-2017 1

D2488-1969(1975) @ Recommended Practice for Description Of Soils (Visual-Manual Procedure)

Current Active Version: D2488-2017e1

D2502-1992(1996) Standard Test Method for Estimation of Molecular Weight (Relative Molecular Mass) of Petroleum Oils From Viscosity Measurements

Current Active Version: D2502-2014(2019)

D2503-1982(1987)e1 1 Standard Test Method for Molecular Weight (Relative Molecular Mass) of Hydrocarbons by Thermoelectric Measurement of Vapor Pressure

D2503-1992(1997) ①

Current Active Version: D2503-1992(2016)

D2504-1967 1 Standard Method Of Test For Noncondensable Gases In C3 And Lighter Hydro-Carbon Products By Gas Chromatography

D2504-1967(1977) 1

D2504-1988(1998) ①

Current Active Version: D2504-1988(2015)

D2513-1987 Standard Specification for Thermoplastic Gas Pressure Piping Systems

D2513-1999 0

D2513-2009a 0

D2513-2012ae1 @

Current Active Version: D2513-2019

D2515-1966 Standard Specification For Kinematic Glass Viscometers

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D2517-2000 Stahidard's placification for Reinforce depoly reland and pressure suppressions.

Current Active Version: D2517-2018

D2564-1991 Standard Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems

D2564-1991a 0

D2564-2012 1

Current Active Version: D2564-2012(2018)

D2565-1970 1 Standard Recommended Practice For Operating Xenon Arc-Type (Water-Cooled) Light -And Water-Exposure Apparatus For Exposure Of Plastics

D2565-1992 0

Current Active Version: D2565-2016

D2570-1991 Standard Test Method for Simulated Service Corrosion Testing of Engine Coolants

Current Active Version: D2570-2016

D2584-1968 Standard Method Of Test For Ignition Loss Of Cured Reinforced Resins

D2584-1968(1979)e1 1

D2584-1968(1985) 1

D2584-1994 **1** 

Current Active Version: D2584-2018

D2597-1994(1999) 🛈 Standard Test Method for Analysis of Demethanized Hydrocarbon Liquid Mixtures Containing Nitrogen and Carbon Dioxide by Gas Chromatography

D2598-2002(2007) Standard Practice for Calculation of Certain Physical Properties of Liquefied Petroleum (LP) Gases from Compositional Analysis

Current Active Version: D2598-2016

D2622-1987e1 Standard Test Method for Sulfur in Petroleum Products by X-Ray Spectrometry

D2622-1992e1 0

D2622-1994 0

D2622-2010 🕕

D2622-2007 1

Current Active Version: D2622-2016

D2633-1982(1989) Tstandard Methods of Testing Thermoplastic Insulations and Jackets for Wire and Cable

Current Active Version: D2633-2013a 🕕

D2646-1979 Standard Methods of Testing Backing Fabrics

D2646-1987 0

Current Active Version: D2646-2018 1

D2654-1967 Tentative Methods of Test for Amount Of Moisture In Textile Materials

D2661-1978 Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Drain, Waste, And Vent Pipe And Fittings

D2661-1991 0

Current Active Version: D2661-2014e1

D2665-1978 Standard Specification for Poly(inyl Chloride) (PVC) Plastic Drain, Waste, And Vent Pipe And Fittings

D2665-1991 0

D2665-1991a 🕕

D2665-1991b 0

Current Active Version: D2665-2014 1

D2697-1986(1998) Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings

Current Active Version: D2697-2003(2014)

D2699-1992 1 Standard Test Method for Knock Characteristics of Motor Fuels by the Research Method

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Current Active Version: D2699-2019 1

D2700-1992 Standard Test Method for Knock Characteristics of Motor and Aviation Fuels by the Motor Method

D2700-2013b 0

Current Active Version: D2700-2019 1

D2709-1988 Standard Test Method for Water and Sediment in Distillate Fuels by Centrifuge

Current Active Version: D2709-2016 1

D2713-1991(2001) Standard Test Method for Dryness of Propane (Valve Freeze Method)

Current Active Version: D2713-2015e1

D2724-1987(1995) 1 Standard Test Methods for Bonded, Fused, and Laminated Apparel Fabrics

Current Active Version: D2724-2019 1

D2729-1978e1 Standard Specification for Poly(Vinyl Chloride) (PVC) Sewer Pipe And Fittings

Current Active Version: D2729-2017

D2751-1977ae1 ① Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Sewer Pipe And Fittings

D2776-1979e1 Standard Test Methods for Corrosivity of Water in the Absence of Heat Transfer (Electrical Methods)

Replaced By: G96 1

D2777-1998 Tandard Practice for Determination of Precision and Bias of Applicable Methods of Committee D-19 on Water

Current Active Version: D2777-2013

D2784-2006 1

D2794-1992 PStahidard Yest Method for Resistented 88 drya Filed Jallags to the Effects of Repid Deformation (Impact)

Current Active Version: D2794-1993(2019)

D2842-1997 Standard Test Method for Water Absorption of Rigid Cellular Plastics

Current Active Version: D2842-2019

D2846-1992 Standard Specification for Chlorinated Poly(Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems

D2846-1992a 🕕

Current Active Version: D2846/D2846M-2019a 1

D2857-1970(1977) 1 Standard Test Method for Dilute Solution Viscosity Of Polymers

Current Active Version: D2857-2016

D2863-1995 1 Standard Test Method for Measuring the Minimum Oxygen Concentration to Support Candle-like Combustion of Plastics (Oxygen Index)

Current Active Version: D2863-2017a 1

D2879-1983 Standard Test Method for Vapor Pressure-Temperature Relationship and Initial Decomposition Temperature of Liquids by Isoteniscope

D2879-1986 1

D2879-1992e1 0

D2879-1996 🕕

D2879-1997 **(**)

D2879-1997(2002)e1 1

Current Active Version: D2879-2018

D2880-1978 Standard Specification for Gas Turbine Fuel Oils

D2880-1990 0

D2880-1990a 0

D2880-1996 🕕

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D2880-1996 Television 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 82 of 123

D2880-2003 0

Current Active Version: D2880-2018a 🕖

D2898-1977 Standard Methods for Accelerated Weathering Of Fire-Retardant-Treated Wood For Fire Testing

Current Active Version: D2898-2010(2017) 1

D2908-1974(1980)e1 Standard Practice for Measuring Volatile Organic Matter in Water by Aqueous-Injection Gas Chromatography

D2908-1991(2001) @

D2908-1991(2005) 1

D2908-1991(2011) 🕕

Current Active Version: D2908-1991(2017)

D2949-1978 Standard Specification for 3.25- In. Outside Diameter Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, And Vent Pipe And Fittings

Current Active Version: D2949-2018 1

D2972-1993 Standard Test Methods for Arsenic in Water

D2972-2003 0

D2972-2015 0

Current Active Version: D2972-2015

D2986-1971 Standard Method For Evaluation Of Air Assay Media By The Monodisperse Dop (Dioctyl Phthalate) Smoke Test

D2986-1971(1978)e1 1

D2986-1995 **①** 

D2986-1995a 0

D2986-1995a(1999) 1

D3043-1987(1993)e1 1 Standard Methods of Testing Structural Panels in Flexure

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D3086-1985(1990) Standard Test Method for Organchlorine Pesticides in Water

Replaced By: D5812

D3120-1996 Standard Test Method for Trace Quantities of Sulfur in Light Liquid Petroleum Hydrocarbons by Oxidative Microcoulometry

Current Active Version: D3120-2008(2019)

D3172-1989(2002) Standard Practice for Proximate Analysis of Coal and Coke

Current Active Version: D3172-2013 1

D3173-1973 1 Standard Test Method for Moisture In The Analysis Sample Of Coal And Coke

D3173-1987(1996) 1

D3173-2003 0

D3173-2003(2008) 1

Current Active Version: D3173/D3173M-2017a 1

D3174-2000 1 Standard Test Method for Ash in the Analysis Sample of Coal and Coke from Coal

Current Active Version: D3174-2012(2018)

D3176-1974 Standard Method for Ultimate Analysis Of Coal And Coke

D3176-1989(2002) 1

Current Active Version: D3176-2015 1

D3177-1975 1 Standard Test Methods for Total Sulfur In The Analysis Sample Of Coal And Coke

D3177-1989(1997) ①

D3177-1989(2002) 1

D3177-2002(2007) 1

Current Active Version: D4239-2018e1 1

D3178-1984 ① Standard Test Methods for Carbon and Hydrogen in the Analysis Sample of Coal and Coke

D3178-1989(1995) 13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 84 of 123

D3178-1989(2002) 1

Current Active Version: D5373-2016

D3223-1991 Standard Test Method for Total Mercury in Water

D3223-2002 0

Current Active Version: D3223-2017 1

D3231-1989 Standard Test Method for Phosphorus in Gasoline

D3231-2007 0

D3231-2013 0

Current Active Version: D3231-2018 1

D3236-1988(1999) Standard Test Method for Apparent Viscosity of Hot Melt Adhesives and Coating Materials

Current Active Version: D3236-2015 1

D3237-2006 Standard Test Method for Lead in Gasoline by Atomic Absorption Spectroscopy

D3237-2012 0

Current Active Version: D3237-2017 1

D3238-1995(2000)e1 Standard Test Method for Calculation of Carbon Distribution and Structural Group Analysis of Petroleum Oils by the n-d-M Method

Current Active Version: D3238-2017a 1

D3246-1981(1987)e1 Standard Test Method for Sulfur in Petroleum Gas by Oxidative Microcoulometry

D3246-1992 0

D3246-1996 🕕

Current Active Version: D3246-2015

D3257-1993e1 Standard Test Methods for Aromatics in Mineral Spirits by Gas Chromatography

Current Active Version: D3257-2006(2012)

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D3270-1980 PStalidar Meliida to Panalysis to Plubite Contlent of the Almosphere and Plant Tissues (Semiautomated Method)

D3270-1991(1995)e1 1

D3270-1991e1 0

Current Active Version: D3270-2013 @

D3273-1986(1991)e1 Standard Test Method for Resistance to Growth of Moid on the Surface of Interior Coatings in an Environmental Chamber

Current Active Version: D3273-2016

D3278-1982e1 Standard Test Methods for Flash Point of Liquids by Setaflash Closed-Cup Apparatus

D3278-1996(2004)e1 10

D3278-1996e1 🕕

Current Active Version: D3278-1996(2011) 1

D3286-1985e1 Standard Test Method for Gross Caloric Value of Coal and Coke by the Isoperibol Bomb Calorimeter

D3286-1996 0

Current Active Version: D5865/D5865M-2019

D3302-1991 Standard Test Method for Total Moisture in Coal

Current Active Version: D3302/D3302M-2017 (1)

D3309-1992 Standard Specification for Polybutylene (PB) Plastic Hot-and Cold-Water Distribution Systems

D3309-1992a 🕖

D3311-1992 Standard Specification for Drain, Waste, and Vent (DWV) Plastic Fittings Patterns

Current Active Version: D3311-2017

D3338-1992 1 Standard Test Method for Estimation of Net Heat of Combustion of Aviation Fuels

Current Active Version: D3338/D3338M-2009(2014)e2 1

D3343-1990 1 Standard Test Method for Estimation of Hydrogen Content of Aviation Fuels

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Current Active Version: 63245-766 Document 198-40 Filed 10/07/19 Page 86 of 123

D3349-1986 1 Standard Test Method for Absorption Coefficient of Carbon Black Pigmented Ethylene Plastic

Current Active Version: D3349-2017 1

D3370-1976 Standard Practices for Sampling Water

D3370-1995a(1999)e1 🕕

D3370-2007 0

D3370-2008 1

D3370-2010 1

Current Active Version: D3370-2018

D3371-1995 1 Standard Test Method for Nitriles in Aqueous Solution by Gas-Liquid Chromatography (Withdrawn 2002)

Replaced By: No\_Replacement

D3418-1982(1988)e1 Standard Test Method for Transition Temperatures of Polymers By Thermal **Analysis** 

Current Active Version: D3418-2015

D3454-1997 Standard Test Method for Radium-226 in Water

Current Active Version: D3454-2018

D3462-1976 D Standard Specification for Asphalt Shingles Made From Glass Mat And Surfaced With Mineral Granules

Current Active Version: D3462/D3462M-2019

D3492-1997 Standard Specification for Rubber Contraceptives (Male Condoms)

Current Active Version: D3492-2016

D3498-1993 1 Standard Specification for Adhesives for Field-Gluing Plywood to Lumber Framing for Floor Systems

Current Active Version: D3498-2019a 🕕

D3536-1976@1995lahaaru 9est Metalo de Muneculia Weight Averages Aha Maleular Weight Distribution Of Polystyrene By Liquid Exclusion Chromatography (Gel Permeation Chromatography -Gpc)

Replaced By: D5296 1

D3557-1990 Standard Test Methods for Cadmium in Water

D3557-2002 0

D3557-2002(2007)e1 1

Current Active Version: D3557-2017

D3558-1994(1998) Standard Test Methods for Cobalt in Water

D3558-2003 0

Current Active Version: D3558-2015

D3559-2003 Standard Test Methods for Lead in Water

D3559-2008 0

D3559-2015 0

Current Active Version: D3559-2015

D3574-1977e2 1 Standard Methods of Testing Flexible Cellular Materials-Slab, Bonded, And Molded **Urethane Foams** 

D3574-1995 0

Current Active Version: D3574-2017

D3588-1998 1 Standard Practice for Calculating Heat Value, Compressibility Factor, and Relative Density of Gaseous Fuels

Current Active Version: D3588-1998(2017)

D3590-2002 Standard Test Methods for Total Kjeldahl Nitrogen in Water

D3590-2002(2006) ①

Current Active Version: D3590-2017 1

D3606-1992 1 Standard Test Method for Determination of Benzene and Toluene in Finished Motor and Aviation Gasoline by Gas Chromatography

D3606-200 ase 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 88 of 123

Current Active Version: D3606-2017 📵

D3645-2003 Standard Test Methods for Beryllium in Water

Current Active Version: D3645-2015

D3649-1991 Standard Test Method for High-Resolution Gamma-Ray Spectrometry of Water

D3649-1998a 0

Current Active Version: D3649-2006(2014)

D3656-1978 Standard Specification for Insect Screening And Louver Cloth Woven From Vinyl-Coated-Glass Fiber Yarn

Current Active Version: D3656/D3656M-2013 1

D3675-1998 Standard Test Method for Surface Flammability of Flexible Cellular Materials Using A Radiant Heat Energy Source

Current Active Version: D3675-2019

D3676-1978(1989)e1 Standard Specification for Rubber Cellular Cushion Used for Carpet or Rug Underlay

D3676-1978e1 0

Current Active Version: D3676-2018

D3678-1988 Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Interior-Profile Extrusions

Current Active Version: D3678-2014

D3695-1988 Standard Test Method for volatile Alcohols in Water by Direct Aqueous-Injection Gas Chromatogrpahy

D3695-1995 0

Current Active Version: D3695-1995(2013) 1

D3697-1992(1996) Standard Test Method for Antimony in Water

Current Active Version: D3697-2017

D3699-1978 Standard Specification for Kerosine

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Current Active Version: D3699-2018a 🕕

D3792-1979e2 Standard Test Method for Water Content of Water-Reducible Paints by Direct Injection into a Gas Chromatography

D3792-1991e1 0

Current Active Version: D3792-2016

D3826-1991e1 Standard Practice for Determining Degradation End Point in Degradable Polyethylene and Polypropylene Using a Tensile Test

Current Active Version: D3826-2018 1

D3828-1997 Standard Test Methods for Flash Point by Small Scale Closed Tester

Current Active Version: D3828-2016a 🕕

D3835-1979(1983) Standard Test Method for Rheological Properties of Thermoplastics with a Capillary Rheometer

Current Active Version: D3835-2016

D3859-2015 Standard Test Methods for Selenium in Water

Current Active Version: D3859-2015

D3912-1980(1989) Standard Test Method for Chemical Resistance of Coatings Used in Light-Water Nuclear Power Plants

Current Active Version: D3912-2010(2017)

D3925-1981(1985) Standard Practice for Sampling Liquid and Related Pigmented Coatings

Current Active Version: D3925-2002(2015) (1)

D3928-1989 Standard Test Method for Evaluation of Gloss or Sheen Uniformity

Current Active Version: D3928-2000a(2018)

D3936-1980 ① Standard Test Method for Delamination Strength of Secondary Backing of Pile Floor coverings

Current Active Version: D3936-2017 1

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D3953-1991 @356 Add Ard Specificat To From Strate Brand, 1981 Specified SQA7/19 Page 90 of 123

D3953-1997 0

Current Active Version: D3953-2015 1

D3972-2002 Standard Test Method for Isotopic Uranium in Water by Radiochemistry

Current Active Version: D3972-2009(2015) 1

D3980-1987 Standard Practice for Interlaboratory Testing of Paint and Related Materials

D4006-2011 Standard Test Method for Water in Crude Oil by Distillation

Current Active Version: D4006-2016e1

D4017-1981(1987)e1 Standard Test Method for Water in Paints and Paint Materials by Karl Fischer Method

D4017-1990 0

D4017-1996a 🕕

Current Active Version: D4017-2002(2015) 1

D4052-1996(2002)e1 Standard Test Method for Density and Relative Density of Liquids by Digital Density Meter

D4052-2011 0

Current Active Version: D4052-2018a 1

D4057-1981e2 1 Standard Practice for Manual Sampling of Petroleum and Petroleum Products

D4057-1995(2000) 1

D4057-2006(2011) 1

Current Active Version: D4057-2019

D4066-1996 Standard Classification System for Nylon Injection and Extrusion Materials (PA)

D4066-1996ae1 1

Current Active Version: D4066-2013 @

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D4082-1989 Stahidard Test Met Tour For Perfects of Comman Raid at 164 Off Coatings for Use 127 Light-Water Nuclear Power Plants

Current Active Version: D4082-2010(2017) 1

D4084-1982(1988) Standard Test Method for Analysis of Hydrogen Sulfide in Gaseous Fuels (Lead Acetate Reaction Rate Method)

D4084-1994(1999) ①

Current Active Version: D4084-2007(2017) 1

D4099-1989e1 Standard Specification for Poly(Vinyl Chloride) (PVC) Prime Windows/Sliding Glass Doors

D4099-1995 0

D4101-1982(1988)e1 Standard Specification for Propylene Plastic Injection and Extrusion Materials

Current Active Version: D4101-2017e1 1

D4107-1998(2002)e1 Standard Test Method for Tritium in Drinking Water

Current Active Version: D4107-2008(2013) 1

D4130-1982(1998) Standard Test Method for Sulfate Ion in Brackish Water, Seawater, and Brines

Current Active Version: D4130-2015

D4177-1995 1 Standard Practice for Automatic Sampling of Petroleum and Petroleum Products

D4177-1995(2000) 1

D4177-1995(2010) 1

Current Active Version: D4177-2016e1 1

D4190-1982(1988)e1 Standard Test Method for Elements in Water by Direct-Current Argon Plasma atomic Emission Spectroscopy

D4190-1999 0

Current Active Version: D4190-2015 1

D4206-1996 Standard Test Method for Sustained Burning of Liquid Mixtures Using the Small Scale Open-Cup Apparatus

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D4208-2002(2007) Standard Test Method for Total Chlorine in Coal by the Oxygen Bomb Combustion/Ion Selective Electrode Method

Current Active Version: D4208-2018 1

D4236-1994(2011) 1 Standard Practice for Labeling Art Materials for Chronic Health Hazards

Current Active Version: D4236-1994(2016)e1 1

D4239-1994 Standard Test Method for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods

D4239-1997e1 0

D4239-2002 0

Current Active Version: D4239-2018e1

D4256-1989(1994)e1 1 Test Method for Determination of the Decontaminability of Coatins Used in Light-Water Nuclear Power Plants (Withdrawn 1995)

Replaced By: No\_Replacement

D4268-1993 Standard Test Methods for Testing Fiber Ropes (Withdrawn 2002)

Replaced By: No\_Replacement

D4294-1990(1998)e1 1 Standard Test Method for Sulfur in Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy

D4294-1998 🕕

D4294-2002 0

D4294-2003 0

Current Active Version: D4294-2016e1

D4327-2003 Standard Test Method for Anions in Water by Chemically Suppressed Ion Chromatography

Current Active Version: D4327-2017 1

D4329-1999 Standard Practice for Fluorescent UV Exposure of Plastics

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D4359-1990(2000)e1 Standard Test Method for Determining Whether a Material Is a Liquid or a Solid

D4359-1990(2006) 1

Current Active Version: D4359-1990(2019) 1

D4382-2002 Standard Test Method for Barium in Water, Atomic Absorption Spectrophotometry, Graphite Furnace

Current Active Version: D4382-2018

D4420-1994(1999)e1 1 Standard Test Method for Determination of Aromatics in Finished Gasoline by Gas Chromatography (Withdrawn 2004)

Replaced By: D5580 1

D4442-1984 Standard Test Methods for Direct Moisture Content Measurement of Wood and Wood-Base Materials

D4442-1992(1997)e1 1

Current Active Version: D4442-2016

D4444-1992(1998)e1 Standard Test Methods for Use and Calibration of Hand-Held Moisture Meters

Current Active Version: D4444-2013(2018)

D4457-1985(1996)e1 1 Standard Test Method for Determination of Dichloromethane and 1,1,1-Trichloroethane in Paints and Coatings by Direct Injection into a Gas Chromatograph

Current Active Version: D4457-2002(2014)

D4468-1985(2000) 1 Standard Test Method for Total Sulfur in Gaseous Fuels by Hydrogenolysis and Rateometric Colorimetry

Current Active Version: D4468-1985(2015)

D4565-1990 1 Standard Test Methods for Physical and Enviormental Performance Properties of Insulations and Jackets for Telecommunications Wire and Cable

D4565-1990a 0

Current Active Version: D4565-2015

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D4566-1990 Prahidar & Vest Methor for Paletine at Performantie Properties of Pasal attended Jackets for Telecommunications Wire and Cable

Current Active Version: D4566-2014

D4568-1986 Standard Test Methods for Evaluating Compatibility Between Cable Filling and Flooding Compounds and Polyolefin Cable Materials

Current Active Version: D4568-2013 1

D4596-1993 1 Standard Practice for Collection of Channel Samples of Coal in a Mine

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D4606-2003 1 Standard Test Method for Determination of Arsenic and Selenium in Coal by the Hydride Generation/Atomic Absorption Method

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Current Active Version: D4635-2016

D4657-1992(1998) 🛈 Standard Test Method for Polynuclear Aromatic Hydrocarbons in Water (Withdrawn 2005)

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D4734-1987 Standard Specification for Refined Benzene-545

D4734-1996 0

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D4763-1988(2009) 101-Standald Frathice for odemonitation of Childrical Garden Water By Fith residence Spectroscopy

Current Active Version: D4763-2006(2012)

D4785-1993 Standard Test Method for Low-Level Iodine-131 in Water

D4785-2000a 0

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D4809-1995 1 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (Precision Method)

D4809-2000 0

Current Active Version: D4809-2018

D4814-1992a Standard Specification for Automotive Spark-Ignition Engine Fuel

D4814-1993a 0

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D4814-2007 0

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D4872-1988 Standard Test Method for Dielectric Testing of Wire and Cable filling Compounds

Current Active Version: D4872-2014

D4891-1989(1994)e1 10 Standard Test Method for Heating Value of Gases in Natural Gas Range by Stoichiometric Combustion

D4891-1989(2006) 1

Current Active Version: D4891-2013(2018) 1

D4956-1990e1 10 Standard Specification for Retroreflective Sheeting for Traffic Contol

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D4965-1996(2002) Standard Terminology of Seams and Seam Finishes in Home Sewing

D4965-1996(2008) 1

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D5066-1991(2001) Standard Test Method for Determination of the Transfer Efficiency Under Production Conditions for Spray Application of Automotive Paints-Weight Basis

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D5087-2002 Standard Test Method for Determining Amount of Volatile Organic Compound (VOC) Released from Solventborne Automotive Coatings and Available for Removal in a VOC Control Device (Abatement)

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D5174-1997 Standard Test Method for Trace Uranium in Water by Pulsed-Laser Phosphorimetry

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D5186-1991 Standard Test Method for Determination of Aromatic Content of Diesel Fuels by Supercritical Fluid Chromatography

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D5186-2003 0

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D5191-2007 Standard Test Method for Vapor Pressure of Petroleum Products (Mini Method)

D5191-2013 🕕

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D5192-1991 Standard Practice for Collection of Coal Samples from Core

D5192-2009 0

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D5198-1992(2003) Standard Practice for Nitric Acid Digestion of Solid Waste

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D5259-1992(2000) 1 Standard Test Method for Isolation and Enumeration of Enterococci from Water by the Membrane Filter Procedure

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D5291-1992 1 Standard Test Methods for Instrumental Determination of Carbon, Hydrogen, and Nitrogen in Petroleum Products and Lubricants

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D5453-200© PStanidard Telf Method for Determination 40 Tollars and Oils by Ultraviolet Fluorescence

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D5489-1996c 1 Standard Guide for Care Symbols for Care Instructions on Textile Products

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D5500-1994 Standard Test Method for Vehicle Evaluation of Unleaded Automotive Spark-Ignition Engine Fuel for Intake Valve Deposit Formation

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D5673-1996 Standard Test Method for Elements in Water by Inductively Coupled Plasma—Mass Spectrometry

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D5762-2002 Standard Test Method for Nitrogen in Petroleum and Petroleum Products by Boat-Inlet Chemiluminescence

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D5842-1995(2000) Standard Practice for Sampling and Handling of Fuels for Volatility Measurement

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D5854-1996(2000) 1 Standard Practice for Mixing and Handling of Liquid Samples of Petroleum and **Petroleum Products** 

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Current Active Version: D5864-2018

D5865-1998a @ Standard Test Method for Gross Calorific Value of Coal and Coke

D5865-2001 @

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D5965-2002 Standard Test Methods for Specific Gravity of Coating Powders

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D6053-2000 Standard Test Method for Determination of Volatile Organic Compound (VOC) Content of Electrical Insulating Varnishes

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D6348-2003 Standard Test Method for Determination of Gaseous Compounds by Extractive Direct Interface Fourier Transform Infrared (FTIR) Spectroscopy

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D6508-2015 Standard Test Method for Determination of Dissolved Inorganic Anions in Aqueous Matrices Using Capillary Ion Electrophoresis and Chromate Electrolyte

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D6522-2000 1 Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers

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D6866-2012 Standard Test Methods for Determining the Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis

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D6883-2004 Standard Practice for Manual Sampling of Stationary Coal from Railroad Cars, Barges, Trucks, or Stockpiles

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D6888-2004 Standard Test Method for Available Cyanide with Ligand Displacement and Flow Injection Analysis (FIA) Utilizing Gas Diffusion Separation and Amperometric Detection

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D6985-2004 Standard Specification for Middle Distillate Fuel Oil-Military Marine Applications

D7036-2004 Standard Practice for Competence of Air Emission Testing Bodies

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E1-1998e1 Standard Specification for ASTM Thermometers

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E4-1979 Standard Methods of Load Verification Of Testing Machines

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Current Active Version: E4-2016

E8-1991 Standard Test Method of Tension Testing of Metallic Materials

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E11-1995 Standard Specification for Wire Cloth and Sieves for Testing Purposes

Current Active Version: E11-2017 1

E23-1996 Standard Test Method for Notched Bar Impact Testing of Metallic Materials

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E28-1967 Standard Method Of Test For Softening Point By Ring-And-Ball Apparatus

E28-1967(1977) 1

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E29-1967(1980)e1 10

E29-1990 0

E29-1993a(1999) 0

E29-2002e1 10

Current Active Version: E29-2013(2019) 1

E50-1990 Standard Practices for Apparatus, Reagents, and Safety Precautions for Chemical Analysis of Metals

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E72-1977 Standard Methods of Conducting Strength Tests Of Panels For Building Construction

E72-1980 0

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E84-1989a 🕕

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E100-1972(1978) Standard Specification for Astm Hydrometers

Current Active Version: E100-2019 1

E108-1980a Standard Methods of Fire Tests Of Roof Coverings

Current Active Version: E108-2017 1

E112-1988 Standard Test Methods for Determining Grain Size

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E114-1995 Standard Practice for Ultrasonic Pulse-Echo Straight-Beam Examination by the Contact Method

Current Active Version: E114-2015

E119-1988e1 1 Standard Test Methods for Fire Tests of Building Construction and Materials

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E131-1981a 1 Standard Definitions of Terms and Symbols Relating to Molecular Spectroscopy

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E154-1968 1 Standard Methods Of Testing Materials For Use As Vapor Barriers Under Concrete Slabs And As Ground Cover In Crawl Spaces

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E162-1987 Standard Test Method for Surface Flammability of Materials Using a Radiant Heat Energy Source

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E168-1967(1977) 1 Standard Recommended Practices for General Techniques Of Infrared Quantitative **Analysis** 

E168-1988 0

E168-1992 0

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E169-1963(1981)e1 1

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E180-1985 1 Standard Practice for Determining the Precision of ASTM Methods for Analysis and Testing of Industrial Chemicals

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E208-1995a Standard Test Method for Conducting Drop-Weight Test to Determine Nil-Ductility Transition Temperature of Ferritic Steels

Current Active Version: E208-2017e1

E213-1998 Standard Practice for Ultrasonic Examination of Metal Pipe and Tubing

Current Active Version: E213-2014e1 1

E220-1986(1996)e1 Standard Test Method for Calibration of Thermocouples By Comparison Techniques

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E258-1967(1996)e1 Standard Test Method for Total Nitrogen in Organic Materials by Modified Kjeldahl Method

Current Active Version: E258-2007(2015)

E260-1973 Standard Recommended Practice for General Gas Chromatography Procedures

E260-1985 (1)

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E274-1965 1 Tentative Method Of Test For Skid Resistance Of Pavements Using A Two-Wheel Trailer

E274-1979 **1** 

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E283-1973 Standard Test Method for Rate Of Air Leakage Through Exterior Windows, Curtain Walls, And Doors

E283-1991(1999) 1

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E290-1997a Standard Test Method for Bend Testing of Material for Ductility

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E300-1986 Standard Practice for Sampling Industrial Chemicals

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E324-1979(1989)e1 Standard Test Method for Relative Initial and Final Melting Points and the Melting Range of Organic Chemicals

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E331-1970(1975) Standard Test Method for Water Penetration Of Exterior Windows, Curtain Walls, And Doors By Uniform Static Air Pressure Difference

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E380-1979 Standard for Metric Practice

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E408-1971(2002) Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques

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E413-1973 1 Standard Classification for Determination of Sound Transmission Class

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E492-1977 Standard Method of Laboratory Measurement Of Impact Sound Transmission Through Floor-Ceiling Assemblies Using The Tapping Machine

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E501-1976 Standard Specification for Standard Tire For Pavement Skid-Resistance Tests

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E515-1995(2000) Standard Test Method for Leaks Using Bubble Emission Techniques

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E648-1978 Standard Test Method for Critical Radiant Flux Of Floor-Covering Systems Using A Radiant Heat Energy Source

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E662-1997 Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials

E662-2001 @

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E681-1985 Standard Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)

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E695-1979(1991) Standard Method of Measuring Relative Resistance of Wall, Floor, and Roof Construction to Impact Loading

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E711-1987(2004) Standard Test Method for Gross Calorific Value of Refuse-Derived Fuel by the Bomb Calorimeter (Withdrawn 2004)

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E871-1982(1998) Standard Method of Moisture Analysis of Particulate Wood Fuels

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E1084-1986(2009) Standard Test Method for Solar Transmittance (Terrestrial) of Sheet Materials Using Sunlight

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E1136-1993(1998) 1 Standard Specification for A Radial Standard Reference Test Tire

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E1333-1996 Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products Using a Large Chamber

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E1337-1990(2002) Standard Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using a Standard Reference Test Tire

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E1354-1999 Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter

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E1537-1999 Standard Test Method for Fire Testing of Real Scale Upholstered Furniture

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E1719-1997 Standard Test Method for Vapor Pressure of Liquids by Ebulliometry

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E2213-2003 Standard Specification for Telecommunications and Information Exchange Between Roadside and Vehicle Systems — 5 GHz Band Dedicated Short Range Communications (DSRC) Medium Access Control (MAC) and Physical Layer (PHY) Specifications

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F34-1976(1980)e1 1 Standard Test Method for Liquid Extraction of Flexible Barrier Materials

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F146-1980 DStandard Test Methods for Fluid Resistance Of Gasket Materials

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F377-1980 Standard Method for Calibration Of Braking Force For Testing Of Pneumatic Tires

Current Active Version: F377-2003(2015) 📵

F405-1977ae1 Standard Specification for Corrugated Polyethylene (PE) Tubing And Fittings

F406-2010a Standard Consumer Safety Specification for Non-Full-Size Baby Cribs/Play Yards

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F462-1979(1999) Consumer Safety Specification for Slip-Resistant Bathing Facilities

F476-1984(1996) Standard Test Methods for Security of Swinging Door Assemblies

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F478-1992(1999) 1 Standard Specification for In-Service Care of Insulating Line Hose and Covers

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F496-1993b 1 Standard Specification for In-Service Care of Insulating Gloves and Sleeves

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F589-1985 Standard Consumer Safety Specification for Non-Powder Guns

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F628-1979eP Stankfard Specification for Ally Montitine But a dilend-Style (ABS) Plastic Oralin, Waste, And Vent Pipe Having A Foam Core

F628-1991 **1** 

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F631-1993 Standard Guide for Collecting Skimmer Performance Data in Controlled Environments

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F682-1982a(1998) Standard Specification for Wrought Carbon Steel Sleeve-Type Pipe Couplings

F682-1982a(2008) 0

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F722-1982(1998) 1 Standard Specification for Welded Joints for Shipboard Piping Systems

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Current Active Version: F792-2017e1 1

F808-1983(1988)e1 Standard Guide for Collecting Skimmer performance Data in Uncontrolled Environments

F833-2013b 1 Standard Consumer Safety Performance Specification for Carriages and Strollers

Current Active Version: F833-2019 1

F876-2010 Standard Specification for Crosslinked Polyethylene (PEX) Tubing

Current Active Version: F876-2019a 1

F877-2007 Standard Specification for Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems

Current Active Version: F877-2018a 1

Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 114 of 123 F963-2007e1 Standard Consumer Safety Specification for Toy Safety

F963-2017 🕕

Current Active Version: F963-2017 1

F977-2007 Standard Consumer Safety Specification for Infant Walkers

F977-2012 0

Current Active Version: F977-2018 1

F1003-1986(1992) Standard Specification for Searchlights on Motor Lifeboats

Replaced By: No\_Replacement ①

F1006-1986(1992) Standard Specififcation for Entrainment Separators for Use in Marine Piping Applications

F1006-1986(2008) 1

Current Active Version: F1006-1986(2018)

F1007-1986(1996)e1 Standard Specification for Pipe-Line Expansion Joints of the Packed Slip Type for Marine Application

F1007-1986(2007) 1

Current Active Version: F1007-2018 1

F1014-1992 Specification for Flashlights on Vessels

F1014-2002(2007) 1

Current Active Version: F1014-2002(2012)e1

F1020-1986(1996)e1 1 Standard Specification for Line-Blind Valves for Marine Applications

F1020-1986(2011) 1

Current Active Version: F1020-1986(2018)

F1055-1998 ① Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene Pipe and Tubing

F1055-1998(2006) 1

Current Active Version: 04/055-7506a Document 198-40 Filed 10/07/19 Page 115 of 123

F1120-1987(1998) Standard Specification for Circular Metallic Bellows Type Expansion Joints for Piping Applications

F1120-1987(2010) 1

Current Active Version: F1120-1987(2015)

F1121-1987(1998) Standard Specification for International Shore Connections for Marine Fire Applications

F1121-1987(2010) 1

Current Active Version: F1121-1987(2015)

F1122-1987(1992) Standard Specification for Quick Disconnect Couplings

F1122-1987(1998) 1

Current Active Version: F1122-2004(2015)e1 1

F1123-1987(1998) Standard Specification for Non-Metallic Expansion Joints

F1123-1987(2010) 0

Current Active Version: F1123-1987(2015) 1

F1139-1988(1998) Standard Specification for Steam Traps and Drains

F1139-1988(2010) 1

Current Active Version: F1139-1988(2015)

F1155-1998 ① Standard Practice for Selection and Application of Piping System Materials

Current Active Version: F1155-2010(2015) 1

F1169-2010 Standard Consumer Safety Specification for Full-Size Baby Cribs

F1169-2011 🕕

Current Active Version: F1169-2019

F1172-1988(1998) Standard Specification for Fuel Oil Meters of the Volumetric Positive Displacement Type

Filed: 01/20/2023 Page 87 of 395

F1172-1988(2000) 13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 116 of 123

Current Active Version: F1172-1988(2015)e1 1

F1173-1995 Standard Specification for Thermosetting Resin Fiberglass Pipe Systems to Be Used for Marine Applications

Current Active Version: F1173-2001(2018)

F1193-2006 Practice for Quality, Manufacture, and Construction of Amusement Rides and Devices

Current Active Version: F1193-2018a 🕕

F1196-1994(2000) Standard Specification for Sliding Watertight Door Assemblies

Current Active Version: F1196-2019 1

F1197-1989(2000) Standard Specification for Sliding Watertight Door Control Systems

Current Active Version: F1197-2019 1

F1199-1988(1998) Standard Specification for Cast (All Temperatures and Pressures) and Welded Pipe Line Strainers (150 psig and 150°F Maximum)

F1199-1988(2010) 1

Current Active Version: F1199-1988(2015) 1

F1200-1988(1998) Standard Specification for Fabricated (Welded) Pipe Line Strainers (Above 150 psig and 150°F)

F1200-1988(2010) 1

Current Active Version: F1200-1988(2016)

F1201-1988(2010) Standard Specification for Fluid Conditioner Fittings in Piping Applications Above 0°F

Current Active Version: F1201-1988(2016)

F1235-2018 Standard Consumer Safety Specification for Portable Hook-On Chairs

Current Active Version: F1235-2018 1

F1271-1990(1995)e1 Standard Specification for Spill Valves for Use in Marine Tank Liquid Overpressure Protections Applications

F1271-1990(2012) 13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 117 of 123

Current Active Version: F1271-1990(2018)

F1273-1991(1997)e1 Standard Specification for Tank Vent Flame Arresters

F1273-1991(2007) 1

Current Active Version: F1273-1991(2013) 1

F1292-1999 Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment

F1292-2004 0

Current Active Version: F1292-2018 (1)

F1321-1992 Standard Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine the Light Ship Displacement and Centers of Gravity of a Vessel

F1321-1992(2004) 1

Current Active Version: F1321-2014 1

F1323-1998 Standard Specification for Shipboard Incinerators

Current Active Version: F1323-2014 1

F1387-1993(1998) Standard Specification for Performance of Mechanically Attached Fittings

Current Active Version: F1387-1999(2012) 1

F1443-1993 Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear

F1446-1993 Standard Test Methods for Equipment and Procedures Used in Evaluating the Performance Characteristics of Protective Headgear

F1446-1994 🕕

Current Active Version: F1446-2015b

F1447-1993 1 Standard Specification for Protective Headgear Used in Bicycling

F1447-1994 **(**)

Current Active Version: F1447-2018 1

Filed: 01/20/2023

Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 118 of 123 F1471-1993 Standard Test Method for Air Cleaning Performance of a High-Efficiency Particulate Air-Filter System

F1471-1993(2001) 1

F1476-1995a 1 Standard Specification for Performance of Gasketed Mechanical Couplings for Use in **Piping Applications** 

Current Active Version: F1476-2007(2013)

F1487-2001 Standard Consumer Safety Performance Specification for Playground Equipment for Public Use

Current Active Version: F1487-2017

F1546/F1546M-1996 Standard Specification for Fire Hose Nozzles

F1546/F1546M-1996(2012) 1

F1546-1996(2012)e1 10

Current Active Version: F1546-1996(2018) 1

F1548-1994 1 Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications

Current Active Version: F1548-2001(2018)

F1626-1995(2000) Standard Practice for Preparing Shipboard Fire Control Plans

F1805-2000 Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow- and **Ice-Covered Surfaces** 

Current Active Version: F1805-2018

F1821-2009 Standard Consumer Safety Specification for Toddler Beds

F1821-2013 🕕

F1821-2016 1

Current Active Version: F1821-2019e1

F1924-2012 🛈 Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing

Current Active 1/4/3161/194/324-786 Document 198-40 Filed 10/07/19 Page 119 of 123

F1948-2012 1 Standard Specification for Metallic Mechanical Fittings for Use on Outside Diameter Controlled Thermoplastic Gas Distribution Pipe and Tubing

Current Active Version: F1948-2015

F1950-1999 @ Standard Specification for Physical Information to be Transferred With Used Amusement Rides and Devices (Withdrawn 2008)

Replaced By: No\_Replacement

F1951-1999 1 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment

Current Active Version: F1951-2014 1

F1967-2011a 1 Standard Consumer Safety Specification for Infant Bath Seats

Current Active Version: F1967-2019

F1973-2013 1 Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems

Current Active Version: F1973-2013(2018)

F2085-2012 Standard Consumer Safety Specification for Portable Bed Rails

Current Active Version: F2085-2012(2019)

F2088-2013 Standard Consumer Safety Specification for Infant Swings

Current Active Version: F2088-2015

F2145-2013 1 Standard Specification for Polyamide 11 (PA 11) and Polyamide 12 (PA12) Mechanical Fittings for Use on Outside Diameter Controlled Polyamide 11 and Polyamide 12 Pipe and Tubing

Current Active Version: F2145-2013(2018)

F2194-2013 Standard Consumer Safety Specification for Bassinets and Cradles

Current Active Version: F2194-2016e1

F2236-2014 1 Standard Consumer Safety Specification for Soft Infant and Toddler Carriers

Current Active Version: F2236-2016a 1

ocument #1982413 Filed: 01/20/2023 Page 91 of 395

Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 120 of 123 F2412-2005 © Standard Test Methods for Foot Protection

Current Active Version: F2412-2018a 🕖

F2413-2005 Standard Specification for Performance Requirements for Foot Protection

Current Active Version: F2413-2018 1

F2517-2017 Standard Specification for Determination of Child Resistance of Portable Fuel Containers for Consumer Use

Current Active Version: F2517-2017 1

F2600-2009 Standard Specification for Electrofusion Type Polyamide-11 Fittings for Outside Diameter Controlled Polyamide-11 Pipe and Tubing

Current Active Version: F2600-2009(2018) 1

F2613-2017a Standard Consumer Safety Specification for Children's Chairs and Stools

Current Active Version: F2613-2017a 1

F2620-2012 1 Standard Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings

Current Active Version: F2620-2019 1

F2670-2018 Standard Consumer Safety Specification for Infant Bath Tubs

Current Active Version: F2670-2018 1

F2767-2012 Standard Specification for Electrofusion Type Polyamide-12 Fittings for Outside Diameter Controlled Polyamide-12 Pipe and Tubing for Gas Distribution

Current Active Version: F2767-2018

F2785-2012 1 Standard Specification for Polyamide 12 Gas Pressure Pipe, Tubing, and Fittings

Current Active Version: F2785-2018a 🕕

F2817-2010 ① Standard Specification for Poly (Vinyl Chloride) (PVC) Gas Pressure Pipe and Fittings For Maintenance or Repair

Current Active Version: F2817-2013(2019)

Filed: 01/20/2023

F2853-2010 Standard Test Method for Determination of Leilagn Paint Layers and Similar Coatings or in Substrates and Homogenous Materials by Energy Dispersive X-Ray Fluorescence Spectrometry Using Multiple Monochromatic Excitation Beams

Current Active Version: F2853-2010(2015) 1

F2876-2010 **1** Standard Practice for Thermal Rating and Installation of Internal Combustion Engine Packages for use in Hazardous Locations in Marine Applications

Current Active Version: F2876-2010(2015) 1

F2906-2013 Standard Consumer Safety Specification for Bedside Sleepers

Current Active Version: F2906-2013 (1)

F2907-2015 Standard Consumer Safety Specification for Sling Carriers

Current Active Version: F2907-2015 1

F2945-2012a Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing, and Fittings

Current Active Version: F2945-2018 1

F3264-2017 Standard Specification for Normal Category Aeroplanes Certification

F3264-2018 1

F3264-2018b 1

Current Active Version: F3264-2018b 1

G1-1972 • Recommended Practice for Preparing, Cleaning, And Evaluating Corrosion Test Specimens

Current Active Version: G1-2003(2017)e1 1

G16-1971(1984) 🕕 Standard Practice for Applying Statistics to Analysis of Corrosion Data

Current Active Version: G16-2013(2019)

G21-1990 1 Standard Practice for Determining Resistance of Synthetic Polymetric Materials to Fungi

Current Active Version: G21-2015

G23-1969 Standard Recommended Practice For Operating Light - And Water-Exposure Apparatus (Carbon-Arc Type) For Exposure Of Nonmetallic Materials

G23-1969(1975) (1)

USCA Case #22-7063 Document #1982413 Filed: 01/20/2023 Page 93 of 395 G23-1981 Case 1:13-cv-01215-TSC Document 198-40 Filed 10/07/19 Page 122 of 123 G23-1990 0 G23-1993 0 Current Active Version: G152-2013 G26-1970 TRECOMMENDE Practice for Operating Light - And Water-Exposure Apparatus (Xenon-Arc Type) For Exposure Of Nonmetallic Materials Replaced By: G155 1 G46-1976(1986)e1 Standard Practice for Examination and Evaluation of Pitting Corrosion Current Active Version: G46-1994(2018) G151-1997 D Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use **Laboratory Light Sources** Current Active Version: G151-2019 G154-2000 Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials Current Active Version: G154-2016 ΑII Search topic, title, author, A53 GO **Home Contact About ASTM Policies** Site Map **Privacy Policy** 

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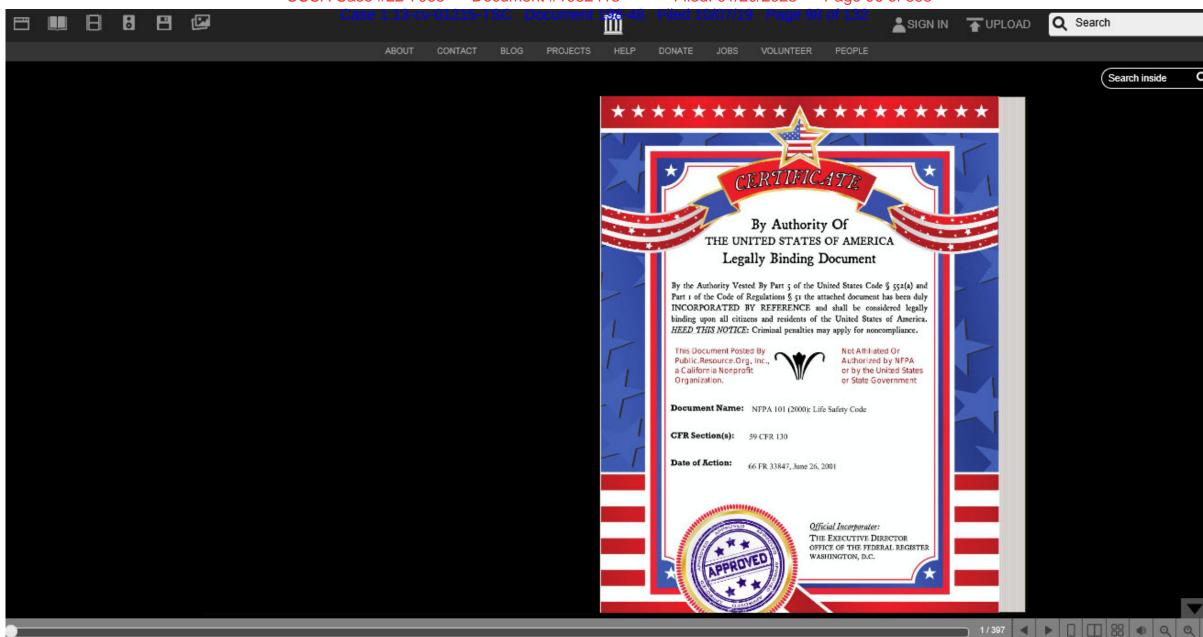
USCA Case #22-7063 Document #1982413

Filed: 01/20/2023 Page 94 of 395

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## **EXHIBIT 167**



# NFPA 101: Life Safety Code by National Fire Protection Association

Publication date 2000 Usage CC0 1.0 Univer

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Topics federalregister.gov, public.resource.org

Collection publicsafetycode; USGovernmentDocuments;

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Language English

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You are urged to check with the standards organizations or governmental authorities for further information and access to definitive versions of these important laws.

BY ORDER OF THE EXECUTIVE DIRECTOR

Office of the Federal Register

Washington, D.C.

By Authority of the Code of Federal Regulations: 59 CFR 130

Name of Legally Binding Document: NFPA 101: Life Safety Code Name of Standards Organization: National Fire Protection Association

LEGALLY BINDING DOCUMENT

This document has been duly INCORPORATED BY REFERENCE into federal regulations and shall be considered legally binding upon all citizens and residents of the United States of America.

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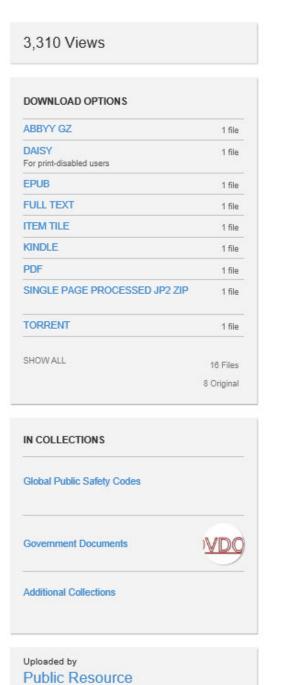
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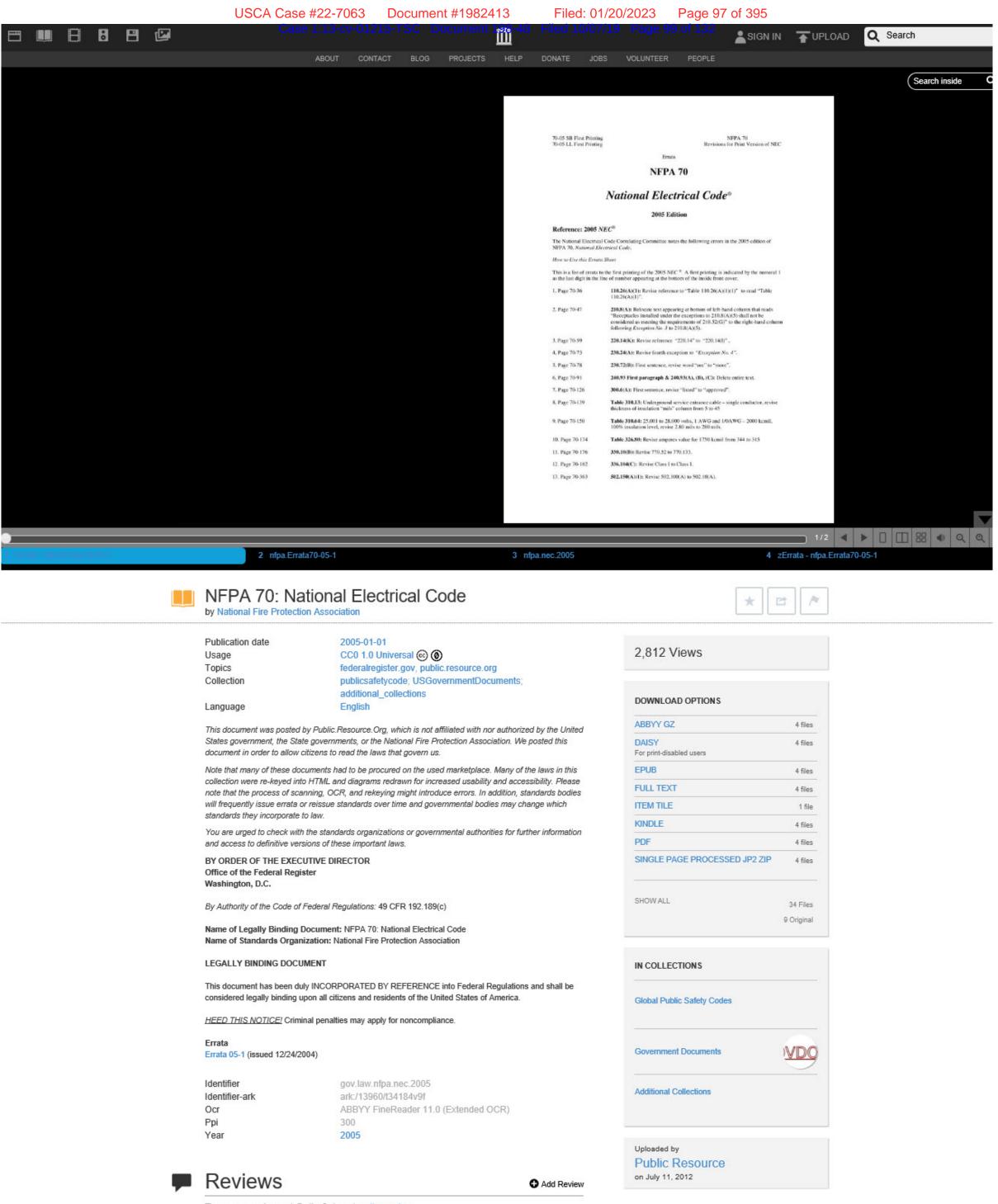
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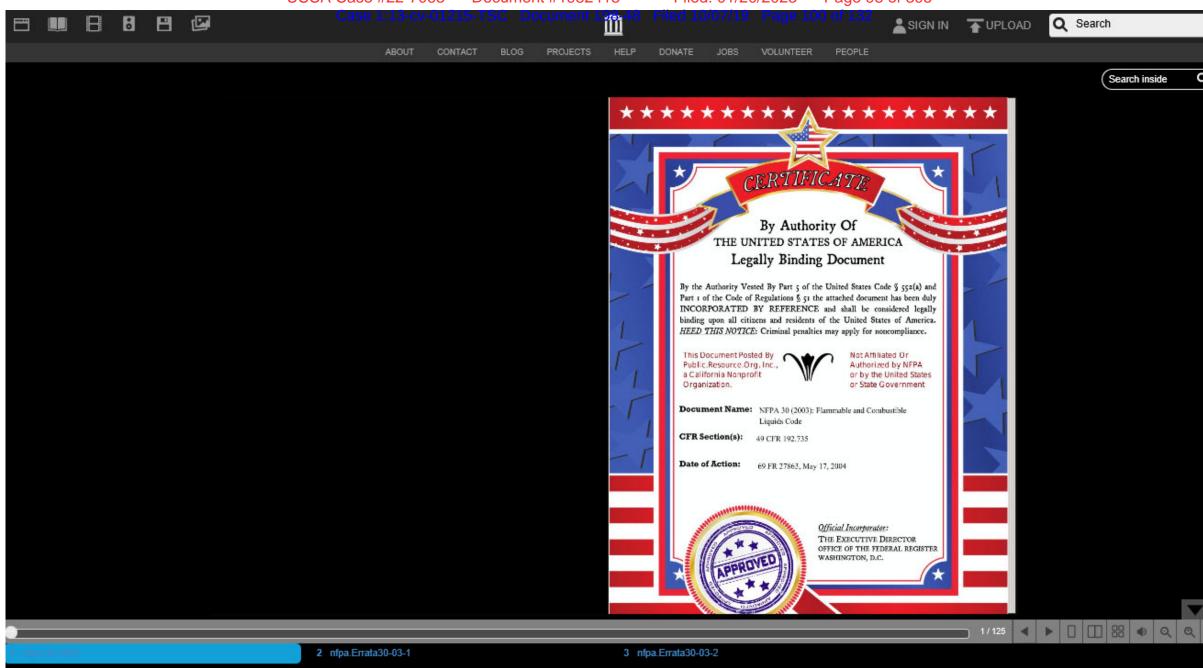


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on May 26, 2012





#### NFPA 30: Flammable and Combustible Liquids Code by National Fire Protection Association

Publication date 2003

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Language English

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You are urged to check with the standards organizations or governmental authorities for further information and access to definitive versions of these important laws

BY ORDER OF THE EXECUTIVE DIRECTOR

Office of the Federal Register Washington, D.C.

By Authority of the Code of Federal Regulations: 49 CFR 192

Name of Legally Binding Document: NFPA 30: Flammable and Combustible Liquids Code Name of Standards Organization: National Fire Protection Association

LEGALLY BINDING DOCUMENT

This document has been duly INCORPORATED BY REFERENCE into federal regulations and shall be considered legally binding upon all citizens and residents of the United States of America.

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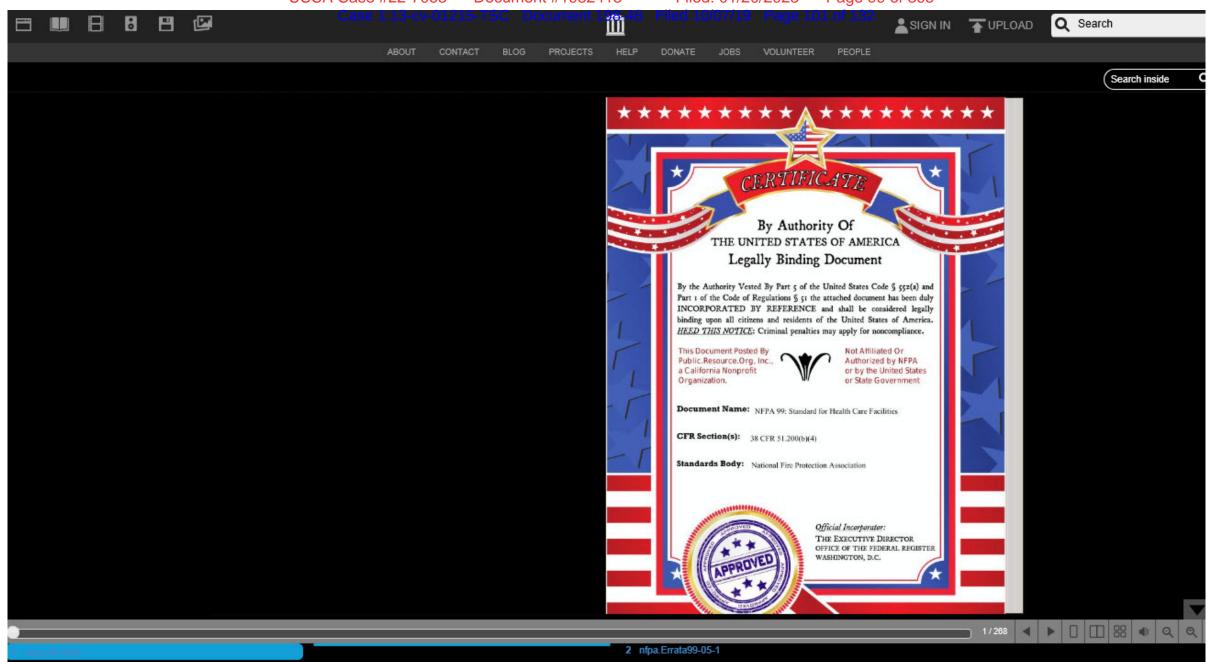


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### NFPA 99: Standard for Health Care Facilities

by National Fire Protection Association

Publication date 2005 Usage

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You are urged to check with the standards organizations or governmental authorities for further information and access to definitive versions of these important laws.

BY ORDER OF THE EXECUTIVE DIRECTOR Office of the Federal Register

Washington, D.C.

By Authority of the Code of Federal Regulations: 38 CFR 51.200(b)(4)

Name of Legally Binding Document: NFPA 99: Standard for Health Care Facilities Name of Standards Organization: National Fire Protection Association

LEGALLY BINDING DOCUMENT

This document has been duly INCORPORATED BY REFERENCE into federal regulations and shall be considered legally binding upon all citizens and residents of the United States of America.

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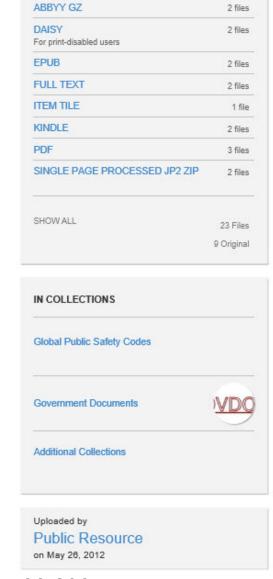
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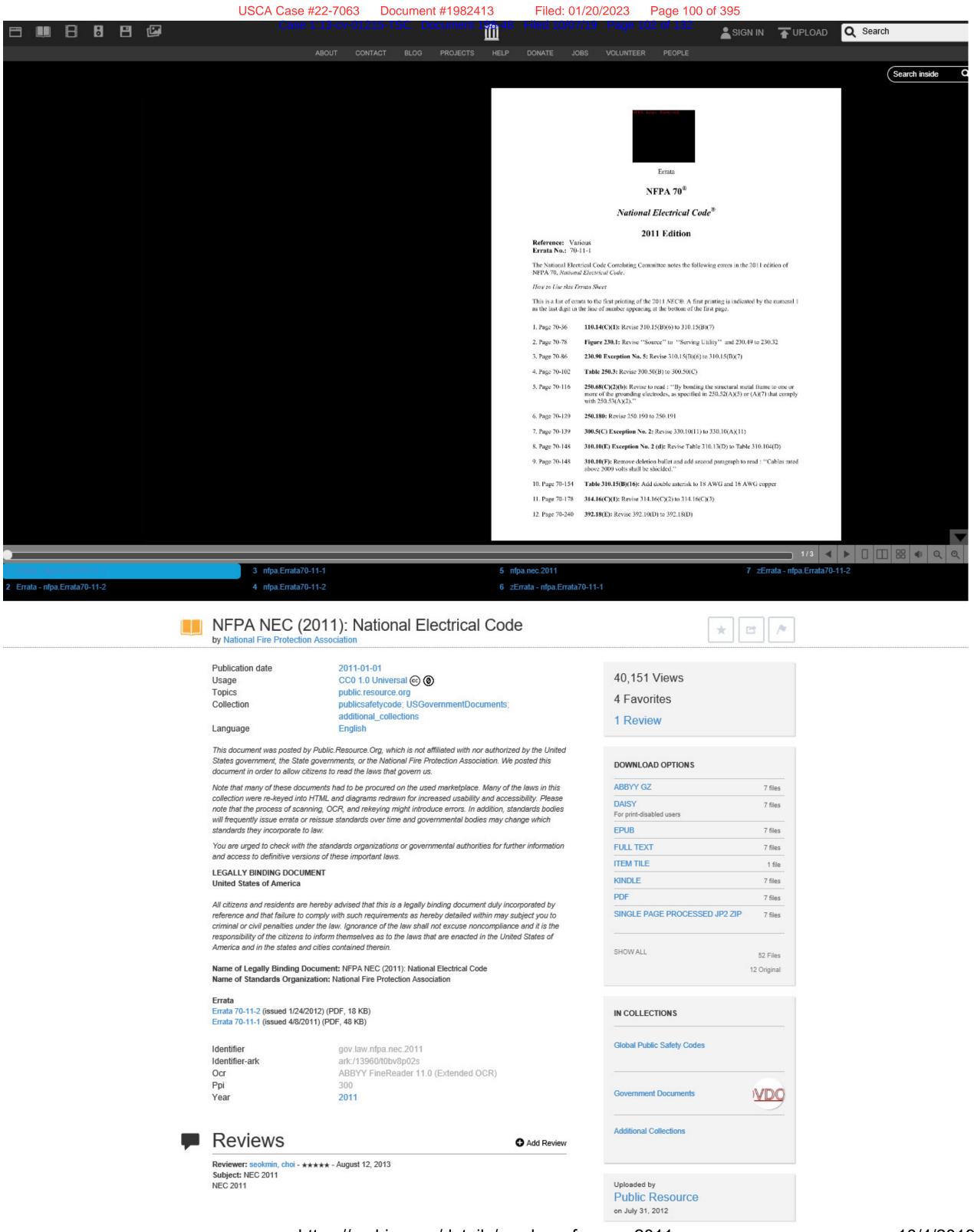






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### **EXHIBIT 173**

USCA Case #22-7063 Document #1982413 Filed: 01/20/2023 Page 103 of 395

From: "ghartford" <ghartford@hartfordengineering.com> on behalf of ghartford

Sent: Thu 5/17/2018 1:42 PM (GMT-07:00)
To: "Carl Malamud" <carl@media.org>

Cc: Bcc:

Subject: RE: Contact Page

Mr. Malamud:

Thank you for your timely response, but I don't believe we were asking for legal advice. We have outside legal counsel for that.

We were asking two (2) simple, yet what we believe to be fair, questions:

- 1. How do you make documents available and not violate copyright laws?
- 2. How might we access the documents you offer?

Thank you once again for your timely consideration and response.

#### HARTFORD ENGINEERING

Gerald D. Hartford, Jr., PE, LEED AP, GPD (Jerry)
Principal / Mechanical Engineer
11440 West Bernardo Court – Suite 202
San Diego, CA 92127
858-337-7712
ghartford@hartfordengineering.com
www.hartfordengineering.com
Click here to send me secure files.

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From: Carl Malamud [mailto:carl@media.org]
Sent: Thursday, May 17, 2018 1:33 PM

To: ghartford < ghartford@hartfordengineering.com>

Subject: Re: Contact Page

Sorry, I'm not a lawyer and I'm certainly not your lawyer and I'm not about to give you legal advice, which is what you are asking for.

On Thu, May 17, 2018 at 1:30 PM, ghartford <a href="mailto:shartford@hartfordengineering.com">ghartford@hartfordengineering.com</a> wrote:

Mr. Malamud:

We just recently learned (from a colleague) of your 501(C)(3) corporation and the work you do at <u>Public.Resource.Org</u>.

Being in the engineering business, we are obligated to design buildings in accordance with building codes.

We spend significantly for access to such codes. It always seemed interesting that we should have to pay for what we are obligated to implement. But we have done so for years. It's just the way it's always been done.

The challenge we have is ensuring access to relevant, current codes (whole codes – not just errata) for the states and municipalities in which we provide our engineering services.

We provide engineering services in multiple states, therefore we require different codes, i.e. obviously the CA codes, but as well International codes (ICC), Uniform codes (IAPMO), ASME standards, NFPA standards, ANSI standards, etc.

Please confirm for us how you make documents available and not violate copyright laws, i.e. current and past documents.

Then please share with us how we might access the documents you offer.

Thank you in advance for your timely consideration and response.

#### HARTFORD ENGINEERING

Gerald D. Hartford, Jr., PE, LEED AP, GPD (Jerry)

Principal / Mechanical Engineer

11440 West Bernardo Court - Suite 202

San Diego, CA 92127

858-337-7712

ghartford@hartfordengineering.com

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Filed: 01/20/2023

USCA Case #22-7063 Document #1982413 Filed: 01/20/2023 Page 106 of 395

From: Heady, Ralph

Sent: Mon 7/23/2018 6:06 AM (GMT-07:00)
To: "Carl Malamud" <carl@media.org>

Cc: Bcc:

Subject: RE: Contact Page

Does Friday's decision mean you can update the site?

Thanks for responding to the earlier email,

Ralph D. Heady
Engineering Project Designer
Architecture and Engineering
Gaddis Physical Plant
1845 Fairmount
Wichita, Kansas 67260-0023
ralph.heady@wichita.edu
978-7914

From: Carl Malamud [mailto:carl@media.org]

Sent: Friday, July 20, 2018 3:56 PM

To: Heady, Ralph

Subject: Re: Contact Page

A federal judge has forbidden me from updating that page. Google my name and standards and copyright.

On Fri, Jul 20, 2018 at 1:34 PM Heady, Ralph < Ralph. Heady@wichita.edu > wrote:

I was searching for a standard the other day and noticed the page I was looking at (Guide to State and Local Public Safety Codes) says it was last updated in 2014. Are there any updates forthcoming?

Also, do you have a list of the latest Codes? As some are not published annually I was wondering if there is a list of the latest. Mostly the IBC, IRC, IEBC, IMC, IPC, IFGC and IECC. How about a breakdown of the NFPA family?

Thanks,

Ralph D. Heady

**Engineering Project Designer** 

Architecture and Engineering

Gaddis Physical Plant

1845 Fairmount

Wichita, Kansas 67260-0023

ralph.heady@wichita.edu

978-7914

### UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a/ ASTM INTERNATIONAL;

NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,

Plaintiffs/
Counter-Defendants,

v.

PUBLIC.RESOURCE.ORG, INC.,

Defendant/ Counter-Plaintiff. Case No. 1:13-cv-01215-TSC

#### **DECLARATION OF JAMES S. THOMAS**

- I, James S. Thomas, declare as follows:
- 1. I am over the age of 18 years and am fully competent to testify to the matters stated in this Declaration.
- 2. This declaration is based on my personal knowledge. If called to do so, I would and could testify to the matters stated herein.
- 3. I am Vice President, Sales & Marketing for American Society for Testing and Materials ("ASTM").
- 4. ASTM offers training courses on the standards that it develops. ASTM offers several types of training: e-learning modules, in-person training hosted by ASTM in cities across the U.S., onsite training customized to various organizations or department needs, and webinars.

- 5. ASTM's training courses are targeted at specific industries and disciplines. For example, ASTM offers trainings for additive manufacturing, building and construction, coal, corrosion, environmental, metals, oxygen, petroleum, plastics, rubber, and textiles.
- 6. Within those broad categories, ASTM offers a variety of training courses to help users better utilize ASTM's standards.
  - 7. ASTM includes its standards as reference materials with its training courses.
  - 8. ASTM offers a variety of onsite or in-person training courses, including:
  - a. Since at least 1996, ASTM has offered an in-person training course on Diesel Fuels: Specifications and Test Methods. The course materials include: ASTM's D86, D975, D1266, D1552, D2622, D3120, D4177, and D4294. Attached as Exhibit 1 is a true and correct copy of the description of ASTM's Diesel Fuels: Specifications and Test Methods course available at <a href="https://www.astm.org/TRAIN/filtrexx40.cgi?-">https://www.astm.org/TRAIN/filtrexx40.cgi?-</a>
    P+ID+28+traindetail.frm.
  - b. Since at least 1996, ASTM has offered an in-person training course on Gasoline: Specifications, Testing, and Technology. The course materials include ASTM's D86. Attached as Exhibit 2 is a true and correct copy of the description of ASTM's Gasoline: Specifications, Testing, and Technology available at <a href="https://www.astm.org/TRAIN/filtrexx40.cgi?-P+ID+4+traindetail.frm">https://www.astm.org/TRAIN/filtrexx40.cgi?-P+ID+4+traindetail.frm</a>.
  - c. Since at least 1996, ASTM has offered a two-day, on-site training course on Textiles: Quality and Performance Standards. The course materials include ASTM's D5489. Attached as Exhibit 3 is a true and correct copy of the description of ASTM's Textiles course available at <a href="https://www.astm.org/TRAIN/filtrexx40.cgi?-">https://www.astm.org/TRAIN/filtrexx40.cgi?-</a>
    P+ID+25+traindetail.frm.

- d. Since at least 1997, ASTM has offered a three-day, in-person training course on Marine Fuels: Specifications, Testing, Purchase, and Use. The course materials include D1298, and D4294. Attached as Exhibit 4 is a true and correct copy of the description of ASTM's Marine Fuels course available at <a href="https://www.astm.org/TRAIN/filtrexx40.cgi?-P+ID+18+traindetail.frm">https://www.astm.org/TRAIN/filtrexx40.cgi?-P+ID+18+traindetail.frm</a>.
- e. ASTM's Fuels Technology course is a five-day, in-person training. The course materials include: ASTM D86, D975, D1298, and D4294. Attached as Exhibit 5 is a true and correct copy of the description of ASTM's Fuels Technology course available at https://www.astm.org/TRAIN/filtrexx40.cgi?-P+ID+392+traindetail.frm.
- f. ASTM's Crude Oil: Sampling, Testing and Evaluation course is a three-day, in-person training. The course materials include: D1298, D2622, D4177, and D4294. Attached as Exhibit 6 is a true and correct copy of the description of ASTM's Crude Oil course available at <a href="https://www.astm.org/TRAIN/filtrexx40.cgi?-">https://www.astm.org/TRAIN/filtrexx40.cgi?-</a>
  P+ID+51+traindetail.frm.
- 9. Similarly, ASTM includes its standards as reference material for its e-learning modules, including:
  - a. ASTM's #2 Diesel Fuel Certificate Program includes video demonstrations, checklists, presentations, data sheets and glossaries designed to address the 24 standards in the program, including D86, D1298, D2622, and D4294. Each of the 24 standards has its own learning module, and a copy of the standard is included in the price of the training. Attached as Exhibit 7 is a true and correct copy of the description of ASTM's #2 Diesel Fuel Certificate Program available at https://www.astm.org/TRAIN/train 136.htm.

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- b. ASTM's Petroleum Lab Technician Series is a series of e-learning courses. The training bundle includes a training module on ASTM's D611. The e-learning module includes ASTM D611 as reference material for the course. Attached as Exhibit 8 is a true and correct copy of the description of ASTM's Petroleum Lab Technician Series available at <a href="https://www.astm.org/TRAIN/train\_226.htm">https://www.astm.org/TRAIN/train\_226.htm</a>.
- c. ASTM's e-Learning module on ASTM E23 Standard Test Methods for Notched Bar impact testing of Metallic Materials, which includes a copy of ASTM E23. Attached as Exhibit 9 is a true and accurate copy of the description of ASTM's e-Learning module on E23 Standard Test Methods available at <a href="https://www.astm.org/TRAIN/filtrexx40.cgi?+-P+ID+224+traindetail.frm">https://www.astm.org/TRAIN/filtrexx40.cgi?+-P+ID+224+traindetail.frm</a>.
- 10. Unlike ASTM, ASTM's competitors typically cannot and do not provide copies of ASTM's standards to their customers, at least in part because ASTM's competitors are prohibited from reproducing ASTM's standards without acquiring a license from ASTM. As a result, ASTM's ability to offer excerpts or copies of its standards with its training courses gives ASTM an advantage over its competitors.
- 11. If ASTM was unable to fund its standard development through the sale of its copyrighted standards, ASTM could not fund its standards development mission. The revenues associated with ASTM's training program could not compensate for the loss of such revenue to fund the cost of ASTM's standard development expenses.
- 12. ASTM provides free, read-only access to view incorporated standards online in its Reading Room. ASTM views this information as educational and central to its overall mission.

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- 13. However, the provision of this free resource does not compete with ASTM's sale of ASTM's standards because the standards available in the Reading Room are carefully restricted to prevent download or copying.
- 14. Although industry professionals and tradespeople who purchase ASTM's standards to use in the course of their work might reference the ASTM's Reading Room, it is not a substitute for purchasing a copy.
- 15. Rather, ASTM's Reading Room serves as an opportunity for ASTM to promote its products and service offerings, including the sale of its standards and training modules.
- 16. By providing unrestricted, downloadable PDF and HTML copies of ASTM's standards, Public Resource directly competes with ASTM's sale of its individual standards, volume sales, and other educational resources.
- 17. The harm resulting from Public Resource's posting and dissemination of such unrestricted copies of ASTM's works for free is not limited to the exact version of the ASTM work Public Resource copies. For many users, prior versions of ASTM's works may be a perfect or near perfect substitute that interferes with the market for the current version of ASTM's standards.

\* \* \*

I declare under the penalty of perjury under the laws of the United States of America that the foregoing is true and correct pursuant to 28 U.S.C. § 1746.

Dated: October 4, 2019

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Diesel Fuels: Specifications and Test Methods



Early Bird Fee: \$1,395.00

Price: \$1,550.00

#### Register Online:

In order to register, please enter the number of attendees in the appropriate box below and click add attendees.

New Orleans, LA Las Vegas, NV 12/3/2019 - 12/5/2019 3/24/2020 - 3/26/2020 Royal Sonesta New Orleans Number of Attendees 300 Bourbon Street New Orleans, LA 70130 ADD ATTENDEES 504-586-0300 Number of Attendees

ADD ATTENDEES

#### Detroit, MI

4/28/2020 - 4/30/2020

Number of Attendees

ADD ATTENDEES

#### **Early Bird Discount**

ASTM automatically applies a discount of 10% when participants register 60 days prior to the start of the class.

\*After the early bird period expires, registrations are subject to standard pricing.

#### **About the Course**

This course covers a wide range of diesel fuel issues including specifications (ASTM D975 and other standards), test methods, sampling and quality control, distribution, current issues and alternate fuels like biodiesel.

There will be extensive discussion of diesel fuel lubricity, low temperature operability, and sulfur content. Participants will gain an understanding of the interconnection of diesel fuel with other fuels and the impacts of quality requirements on refinery production and product availability.

#### Learning Outcomes

By the end of this course you will be able to:

- Discuss the significance of the requirements
- · Interpret product inspections
- · Describe the impact of product quality on diesel engine applications
- · Discuss current fuel issues and challenges.

## Who Should Attend

Anyone needing an understanding of diesel fuel specifications, test methods, sampling, quality control and current diesel fuel issues. The course is appropriate for a wide-range of people, including: laboratory technicians, laboratory managers, refinery engineers, blending operators, pipeline operators, quality assurance personnel, new staff in fuels-related positions, alternative fuel producers, state regulatory officials, researchers, marketers, environmental scientists, and even lawyers and administrators involved with diesel fuels.

The course is especially suitable for those new to fuels, in both hands-on positions and professional, supervisory or managerial roles in:

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- Pipeline and terminal operation
- · Petroleum testing laboratories
- · Federal, state / provincial and local regulatory agencies
- Fuel marketers and purchasing department
- · Engine and fuel injection / fuel system manufacturers
- · Environmental companies
- · Consumer groups
- · Attorneys involved in petroleum-related litigation

A technical or scientific background is not required.

#### Course Description

Registration: 8:00-8:30 AM on the first day Class: 8:30 AM-4:30 PM on the first two days. Following lunch on the third day the class will tour a testing laboratory if possible.

- · Crude oil to petroleum products
- · Diesel fuel specifications
- · Diesel fuel test methods: lubricity, low temperature operability, sulfur

#### Day 2

- · Diesel fuel additional requirements
- · Chemistry & refining
- Diesel Fuel Additives
- On-Highway / Off-highway / locomotive / marine / heating oil
- Alternative diesel fuels including paraffinic diesel and biodiesel
- Diesel fuel & diesel engine issues

#### Day 3

- Key ASTM Guide
- Static electricity & microbial contamination
- Storage & handling
- Sampling practices
- Quality Assurance / Quality Control / Repeatability / Reproducibility
- · Recent diesel fuel issues
- · Tour of a testing facility, OEM site or terminal operation, as possible.

#### Referenced Documents

D56, D86, D93, D130, D445, D482, D524, D613, D975, D976, D1266, D1319, D1552, D1796, D2274, D2500, D2622, D2624, D2709, D2880, D2887, D3120, D3828, D4057, D4177, D4294, D4306, D4308, D4539, D4737, D4865, D5453, D5771, D5772, D5773, D5854, D6079, D6217, D6371, D6468, D6469, D6751, D6890, D7039, D7170, D7371, D7467, D7501, D7619, D7688, E39

## Fee Includes

- · Referenced ASTM standards and course notes
- Transportation to and from tour site
- Coffee breaks
- Course Completion Certificate with 2.1 Continuing Education Units (CEUs)

## About the Instructor

Andy Pickard has worked in fuels and lubricants for more than 45 years. He has been a member of ASTM International for 35 years. participating in test method developments and product specification committees (diesel fuel and other middle distillate fuels, biodiesel, gasoline, ethanol, LPG, aviation fuels, and heavy fuel oils). Following academic training in chemistry with a doctorate in organometallic chemistry, he spent 10 years with Imperial Oil (Exxon Mobil in Canada) and 24 years with Petro-Canada. A good part of that time was spent working between refineries, distribution, marketers and customers on fuel issues. He is now a consultant on fuels and technology support, and continues to participate in both ASTM and CGSB (Canadian General Standards Board) fuel standard developments.

#### **About Sponsoring Committee**

organizations. ASTM standards have grown to be among the world's most widely used and accepted documents. The 82-volume *Annual Book of ASTM Standards* (available online, print, and CD-ROM) contain over 12,000 standards written by 34,000 members on our 140 technical committees. The standard referenced in this course was developed by Committee DO2 on Petroleum Products, Liquid Fuels, and Lubricants. For information on Committee DO2, contact <u>Alyson Fick</u> at (610) 832-9710 or go to our <u>DO2</u> technical committee page.

#### ASTM Membership

Attend this course and receive a FREE 1-year membership to ASTM International and Committee D02 on Petroleum Products and Lubricants. (Applies to new members only and may not be used to renew existing memberships.)

#### **Attention: Professional Engineers**

If your state has a continuing education requirement for license renewal, ASTM training courses and ASTM membership can help you meet that requirement.

#### **On-Site Training Available**

ASTM can bring this course to your site! This on-site training at your facility will be tailored to meet the specific needs of your organization. For more information, please contact sales <a href="https://example.com/heeps-contact-sales-heeps-co

#### How Learning Will Be Assessed

Learning will be assessed through discussions. Participants are expected to ask questions if an issue is unclear to them.

#### Attendee Praise

Praise from recent attendees of the course:

"This was a great course. The instructor made it very easy to follow."

"It was a great training."

"I really enjoyed the class. Lots of information presented in a clear and concise manner."

"Excellent course. Will suggest this course to future diesel blenders in my organisation."

"It was all valuable information."

"Very informative and useful training. Thank you!"

#### **Related Courses**

You may also be interested in these related courses:

Live Courses

- EPA Tier III SQC Readiness Workshop
- Statistics in ASTM Standard Test Method Development, <u>Application, and Quality Assurance</u>

Online Courses

ASTM Petroleum Lab Technician Series

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Gasoline: Specifications, Testing, and Technology



Price: \$1,550.00

#### Register Online:

In order to register, please enter the number of attendees in the appropriate box below and click add attendees

#### West Conshohocken, PA

11/19/2019 - 11/21/2019

ASTM Headquarters 100 Barr Harbor Drive West Conshohocken, PA 19428

610-832-9686

Number of Attendees

ADD ATTENDEES

#### Early Bird Discount

ASTM automatically applies a discount of 10% when participants register 60 days prior to the start of the class

\*After the early bird period expires, registrations are subject to standard pricing.

#### About the Course

This extensive 3-day class provides broad coverage of the specifications, testing and technology related to gasoline. You'll learn about the different types and components of gasoline, ways to enhance octane, the various types of volatility, the purpose of sampling, and the stages of drivability. The course covers specifications related to gasoline, discusses gasoline additives, oxygenates, the refining process, the quality and distribution of fuels, and much more.

The class is taught in a participatory atmosphere. In addition to the course workbook, you will also receive a copy of ASTM's manual on Significance of Tests for Petroleum Products, as well as copies of various ASTM standards.

#### **Learning Outcomes**

By the end of this course you will be able to:

- Recall how gasoline and compositional variables affect engine performance
- · Recall how to interpret test data to determine if gasoline meets required specifications and regulations
- Recall how to use octane blending equations and calculate volatility parameters
- Define how quality is maintained throughout the distribution system
- · Discuss gasohol and other ethanol mixtures in gasoline
- · Discuss reformulated gasoline, and the requirements mandated by the 1990 amendments to the Clean Air Act.

#### Who Should Attend

A scientific background is not required for this course. It is intended for:

- · Petroleum company employees
- · Federal, state, and local regulatory personnel
- Laboratory supervisors
- · Fuel marketing personnel
- · Pipeline company employees
- · Engine mfg. and testing personnel
- · Attorneys involved in fuels regulatory activity
- · Anyone involved in the purchase, sale, operations, or distribution of gasoline.

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Registration: 7:30 AM-8:00 AM on first day Class: 8:00 am-4:00 pm on the first two days. Following lunch on the third day, the class will tour a lab.

#### Day 1

- Gasoline Composition, Chemistry, Production, Blending, and
- Octane Measurements and Enhancers
- · CRC Vehicle Satisfaction Programs
- Octane Requirement Increase Altitude and Climatic Adjustments Phase Separation and Water Tolerance Importance of Volatility
- · Vapor Pressure and Vapor Liquid Ratio
- Distillation
- ASTM Volatility Classes
- · Cold and Hot Starting and Drivability
- · CRC Drivability Programs
- Drivability Indices
- . Evaporative and Exhaust Emissions
- Impact of Volatility Regulations

#### Day 2

- Additives and Their Chemistry
- Oxidation and Corrosion Inhibitors
- Metal Deactivators
- · Engine Deposit Control Additives
- Oxygenates
- · Chemistry of Alcohols and Ethers
- Effects of Ethanol and Other Oxygenates
- Effects on Volatility and Emissions
- Water Sensitivity
- CRC Oxygenate Drivability Programs Materials Compatibility
- Reformulated Gasoline Requirements
- Gasoline Distribution

#### Day 3

- · Clean Air Act and 1991 Amendments
- · Reformulated Gasoline
- . EPA Testing Requirements
- Regulatory Issues
- Ozone Depletion
- Carbon Monoxide Reduction
- Maintenance of Quality
- Tour of a Fuel Testing Laboratory

### **ASTM Standards Referenced**

#### Test Methods

- D86 Distillation of Petroleum Products
- D130 Detection of Copper Corrosion from Petroleum Products by Copper Strip Tarnish Test
- D381 Existent Gum in Fuels by Jet Evaporation
- D525 Oxidation Stability of Gasoline
- D1319 Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption
- D3606 Benzene and Toluene in Finished Motor and Aviation Gasoline by Gas Chromatography
- D4057 Standard Practice for Manual Sampling of Petroleum and
- D4806 Standard Specification for Denatured Fuel Ethanol for Blending with Gasolines for Use as Automotive Spark-Ignition Engine Fuel
- D4814 Standard Specification for Automotive Spark-Ignition
- D4815 Determination of MTBE, ETBE, TAME, DIPE, tertiary-Amyl Alcohol and C1 to C4 Alcohols in Gasoline by  $\mbox{\sc Gas}$ Chromatography
- D5798 Standard Specification for Ethanol Fuel Blends for Flexible-Fuel Automotive Spark-Ignition Engines

· Significance of Tests for Petroleum Products

### Fee Includes

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- · Transportation to and from tour site
- Coffee breaks
- Course Completion Certificate with 2.1 Continuing Education Units (CEUs)

#### About the Instructor

Salvatore J. Rand is an ASTM Fellow and a consultant in motor and aviation fuel technology. He is vice-chairman of ASTM Committee D-2 on Petroleum Products and Lubricants, former chairman of Subcommittee 5 on Properties of Fuels, and secretary of the section on Color and Reactivity. He is retired from the Fuels Research Division of Texaco's R&D Department. Rand received his B.S. degree in chemistry from Fordham University and his Ph.D degree in physical chemistry from Rensselaer Polytechnic Institute.

#### About Sponsoring Committee

ASTM is one of the world's largest voluntary standards development organizations. ASTM standards have grown to be among the world's most widely used and accepted documents. The 82-volume Annual Book of ASTM Standards contain over 13,000 standards written by 34,000 members on our 140 technical committees. The standards referenced in this course were developed by Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants. For information on Committee D02, contact Alyson Fick at (610) 832-9710 or go to our <u>D02</u> technical committee page.

#### ASTM Membership

Attend this course and receive a FREE 1-year membership to ASTM International and Committee D02 on Petroleum Products and Lubricants. (Applies to new members only and may not be used to renew existing memberships.)

#### Attention: Professional Engineers

If your state has a continuing education requirement for license renewal. ASTM training courses and ASTM membership can help you meet that requirement.

#### **On-Site Training Available**

ASTM can bring this course to your site! On-site training courses can also be tailored to meet your specific needs. For more information, please contact sales here or call 1-877-909-ASTM.

#### How Learning Will Be Assessed

Learning will be assessed through a series of question and answer sessions.

#### **Questions About the Training Course**

For information on this training course, please contact **Training** or call (610) 832-9695.

#### Attendee Praise

Praise from recent attendees of the course:

"Sal was a great instructor. He answered all of my questions."

"Sal Rand is an excellent instructor; very professional, encouraged participation, a wealth of experience and knowledge, and shared wonderful anecdotes relevant to material."

"Sal was very knowledgeable."

"Great instructor."

"Very informative. Easily understandable."

"Instructor was very knowledgable and very good."

"I would say that just about everything was really valuable."

"Great course with experienced and friendly instructor."

"Excellent instructor."

## Related Courses

You may also be interested in these related courses:

Live Courses

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• Statistics in ASTM Standard Test Method Development, Application, and Quality Assurance

#### Online Courses

ASTM Petroleum Lab Technician Series

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Textiles: Quality and Performance Standards



#### On-Site Training Available

ASTM can bring this course to your site! On-site training courses can also be tailored to meet your specific needs. For a quote or more information, please contact sales here or call 1-877-909-ASTM.

#### About the Course

This two-day course will give you a basic understanding of ASTM standards commonly used for testing fabrics, apparel, and household textiles. It will also give you an overview of the ASTM care labeling symbols.

#### Learn How To:

- Use these specific test methods and material specifications to establish fabric acceptability and performance
- · Establish product requirements for certification
- · Perform the mechanical and fabric performance test methods
- · Calculate the test results and show reporting techniques
- Use the precision and bias procedures and applications
- Use ASTM care symbols on textile and apparel care labels

#### Who Should Attend

Anyone involved in the purchasing, testing, and evaluation of textile fabrics and apparel, including laboratory managers and technicians from industry or government textile testing laboratories

#### On-Site Fees

- Referenced ASTM standards
- Certificate of Attendence with 1.4 Continuing Education Units (CEUs)

#### Course Outline

This course will be tailored to meet the needs of your individual organization. Topics covered include:

- Conditioning Textiles for Testing Mechanical Test Methods
- Mechanical Test Methods
- Air Permeability
- Test Strength
- Fabric Count of Woven Fabric
- Mass (Weight) Per Unit Area
- Ball Burst
- Breaking Strength and Elongation of Textile Fabrics
- · Performance Methods
- Failure in Sewn Seams of Woven Fabric
- Abrasion Resistance of Textile Fabrics (Rotary Perform)
- · After Wash Appearance
- Surface Water Absorption of Terry Fabrics
- · Care Labeling and Evaluation Practices
- Evaluation of Mens' and Boys' Home Launderable WoveShirts
- · Care Symbols for Permanent Care Labels on Consumer
- Textile Products
- · Development of Product
- · Specifications and Product Certification Requirements

#### **ASTM Standards Referenced**

Test Methods

- D434 Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam
- D737 Air Permeability of Textile Fabrics

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(Elmendorr) Apparatus

- D1683 Failure in Sewn Seams of Woven Fabrics
   D1776 Conditioning Textiles for Testing Guides
- D2261 Tearing Strength of Fabrics by the Tongue (Single Rip)
  Procedure
- D3512 Random Tumble Pilling Tester Method
- D3775 Fabric Count of Woven Fabric
- D3776 Mass Per Unit Area (Weight) of Fabric
- D3786 Diaphram Bursting Strength Tester Method
- D3787 Bursting Strength of Knitted Goods Ball Burst Method
- D3884 Abrasion Resistance of Textile Fabrics (Rotary Platform, Double-Head Method)
- D3940 Bursting Strength and Elongation of Sewn Seams
- D4151 Flammability of Blankets
- D4231 Evaluation of Men's and Boy's Home Launderable Woven Dress Shirts and Sport Shirts
- D4685 Pile Retention of Corduroy Fabrics
- D4772 Surface Water Absorption of Terry Fabrics (Water Flow Test Method)
- D5034 Breaking Strength and Elongation of Textile Fabrics (Grab Test)
- D5035 Breaking Strength and Elongation of Textile Fabrics (Strip Method)
- D5489 Care Symbols/Care Instructions on Textile Products
- D5733 Tearing Strength of Nonwoven Fabrics by the Trapezoid Procedure Practices

#### Instructor

Ellen Roaldi is a Senior Technical Consulting Specialist in the Softlines area and has been with Bureau Veritas Consumer Products Services for 23 years. In her current position, Ellen is responsible for providing support globally for client initiatives as well as internal operations. This includes training clients and staff in testing theory and methodology, consulting, auditing and advising on technical information, reviewing and authoring procedural/client manuals, interpreting test results, and serving on several industry committees.

Prior to this position, Ellen provided program management services for key clients as well as assisting the regulatory team with interpretations of federal laws. Ellen also provided technical support in the textile laboratory while working previously in operations. Before joining Bureau Veritas, Ellen worked as a Quality Engineer for Talon/Textron, and as a Systems/Quality Engineer at Carborundum.

Ellen holds a Bachelor of Science in Textiles from Philadelphia University (formerly known as the Philadelphia College of Textiles and Science). She is a member of the American Apparel and Footwear Association (AAFA), ASTM International, the American Association of Textile Chemists and Colorists (AATCC), and the International Bedding and Law Officials (ABFLO). Ellen also serves on the Industry Advisory Board for the Textile Program at the State University College at Buffalo.

#### **ASTM** and Committee D13 on Textiles

ASTM is a world leader in the development of voluntary consensus standards. The 82-volume Annual Book of ASTM Standards, available in print and online, contain over 13,000 standards written by 140 ASTM technical committees. The standards referenced in this course were developed by Committee D13 on Textiles. For information on Committee D13, contact Jennifer Rodgers at (610) 832-9694 or go to our D13 technical committee page.

FAQ RETURN TO COURSE LISTING

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Marine Fuels: Specifications, Testing, Purchase, and Use



#### Early Bird Discount

ASTM automatically applies a discount of 10% when participants register 60 days prior to the start of the class.

\*After the early bird period expires, registrations are subject to standard pricing.

#### About the Course

This class explains how the properties of marine fuels affect fuel handling, combustion, and cost. It provides a detailed understanding of fuel quality requirements, and why they are necessary for good handling and combustion performance. Class interaction will be stressed by using practical examples of applications of the course material to past and current problems

#### Learning Outcomes

By the end of this course you will be able to:

- Recall the history of marine fuel
- · Describe how properties of marine fuels affect fuel handling, combustion and cost
- · Describe the sampling process
- Take precautions to decreate fuel contamination.

#### Who Should Attend

Supervisors and managers in laboratory operations; purchasing; fuel supply and handling; and quality control. Also for shipping company employees, and those dealing with the sale, purchase, trade, or use of marine fuels, who need a detailed understanding of fuel quality requirements and why they are necessary for good handling and combustion performance.

(Not intended as a training course for lab technicians or those who run the tests, because it does not address detailed conduct of the various test methods.)

#### **Course Description**

Registration: 7:30 am-8:00 AM on first day. Class: 8:00 AM-4:30 PM. Following lunch on the third day, the class will tour a testing laboratory.

#### Day 1

- Brief History of Marine Fuel
- Marine Fuel Specifications
- Chemistry Primer
- Crude Quality/Characteristics
- Refining (Fuels Manufacture)
- Refining (Blending Practices)

### Day 2

- Quality Parameters, Significance and Testing
- Current Marine Fuel Quality
- IMO Environmental Issues/Low Sulphur/ECA/GHG Marpol Annex VI
- · Diesel Engines
- · Ignition Quality

#### Day 3

- · Fuel Purchasing
- Fuel Pre-treatment (Centrifuging)
- · Fuel Handling and Delivery
- · Fuel Contamination
- · Resolution of Conflicts

#### **ASTM Standards Referenced**

Specification

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- D93 Flash Point by Pensky-Martens Closed Cup Tester
- D95 Water in Petroleum Products & Bituminous Materials by Distillation
- D97 Pour Point of Petroleum Products
- D189 Conradson Carbon Residue of Petroleum Products
- D445 Kinematic Viscosity of Transparent & Opaque Liquids
- D482 Ash from Petroleum Products D976 Calculated Cetane Index of Distillate Fuels D4294 Sulfur in Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectroscopy
- D4530 Determination of Carbon Residue (Micro-Method)
- D4737 Calculated Cetane Index by Four Variable Equation
- D4870 Total Sediment in Residue Fuels

• D1298 Density, Relative Density, or API Gravity of Crude Petroleum & Liq. Petrol. Prods by Hydrometer Method

· CIMAC Std.-Rec. 11, Fuel Reg. for Diesel Eng

#### Fee Includes

- Course workbook and all referenced standards
- Transportation for demonstrations
- Certificate of Attendance and 2.1 Continuing Education Units (CEUs)
- · Coffee breaks

#### About the Instructor

Robert Berner, marine fuels and lubricants consultant, has 45 years of experience in the marine fuels research and technical service. He served in the American Merchant Marine, holds a Chief Engineers license, worked for Esso International's Tanker Department as a Repair Superintendent, served in the Exxon International Marketing Department, Industrial and Wholesale Division, and was responsible for Exxon's marine fuels sales including product quality, claim dispute resolution, and policy implementation. Following his retirement from Exxon, Berner served as sales director for a bunker dot com company. He has a Bachelor of Engineering in Marine Engineering from the State University of New York Maritime College and a Masters of Business in Management and Finance from Fairleigh Dickinson University.

### **About Sponsoring Committee**

Organized in 1898, ASTM is one of the world's largest voluntary standards development organizations. ASTM standards have grown to be among the world's most widely used and accepted documents. The 82-volume Annual Book of ASTM Standards contain 13,000 standards written by 34,000 members on our 140 technical committees. Committee D02 on Petroleum Products. Liquid Fuels, and Lubricants developed the standards used in this course. For more information, contact Alyson Fick at (610) 832-9710 or go to our D02 technical committee page

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#### **On-Site Training Available**

ASTM can bring this course to your site! On-site training courses can also be tailored to meet your specific needs. For more information, please contact sales <u>here</u> or call 1-877-909-ASTM.

#### Attention: Professional Engineers

If your state has a continuing education requirement for license renewal, ASTM training courses and ASTM membership can help you meet that requirement.

#### How Learning Will Be Assessed

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#### Attendee Praise

Praise from recent attendees of the course:

"Wealth of case studies, real-world examples/experiences. Content exactly what I needed/expected, well presented, engaging."

#### **Related Courses**

You may also be interested in these related courses:

Live Courses

- EPA Tier III SQC Readiness Workshop
- Statistics in ASTM Standard Test Method Development, Application, and Quality Assurance

Online Courses

ASTM Petroleum Lab Technician Series

All Search topic, title...

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## Fuels Technology Hands-On Training

#### Early Bird Discount

ASTM automatically applies a discount of 10% when participants register 60 days prior to the start of the class.

\*After the early bird period expires, registrations are subject to standard pricing.

#### About the Course

The Fuels Technology course will be most valuable to scientists and engineers whose job responsibilities include testing and usage of gasoline, diesel, and aviation fuels. This extensive 5-day course will not only benefit newcomers to this technology but also experienced fuel technologists. The instructor's vast experience in this area will allow him to focus on key issues related to fuel specifications, performance, additives, and fuel storage and distribution. His deep involvement with ASTM and his experience with global fuel issues enrich the course content. With recent trends towards environmentally friendly ultra-clean fuels, fuel specification testing procedures have attained a reasonable level of sophistication. The significance of such testing will be fully covered in this course.

The class is taught in a participatory atmosphere, comprised of a lecture section and a hands-on laboratory practical section where participants perform the prescribed test methods using the required instrumentation. In addition to the course workbook, you will also receive a copy of ASTM's manual on Significance of Tests for Petroleum Products, as well as copies of various ASTM standards

#### Course Topics

- Hydrocarbon chemistry, refinery processes, and fuel blending
- · Gasoline engine, combustion (knocking & octane)
- Volatility (distillation, vapor pressure, vapor liquid ratio)
- Gasoline specifications and sulfur reduction
- Gasoline testing procedures, additives, oxygenates, emissions
- Jet engine fuels and combustion, specifications, testing,
- Jet fuels low temperature operability, viscosity, density, and specific energy
- · Properties not controlled by specifications
- · Brief discussion of Distribution and Quality Control procedures
- · Aviation gasoline, specifications, testing, unleaded gas
- Diesel engine, combustion principles, cetane number, specifications and testing • Diesel engine sulfur reduction, additives, lubricity, cold flow
- · Diesel engine emissions and microbial contamination
- Fuel Storage, fuel distribution, quality control
- · Fuels of the future

## **Learning Outcomes**

By the end of the class you will be able to:

- Recall how gasoline and compositional variables affect engine
- Recall how to interpret test data to determine if gasoline meets required specifications and regulations
- · Recall how to use octane blending equations and calculate
- Define how quality is maintained throughout the distribution
- Discuss gasohol and other ethanol mixtures in gasoline
- Discuss reformulated gasoline, and the requirements mandated. by the 1990 amendments to the Clean Air Act.

#### Who Should Attend

- Scientists
- Engineers
- Plant Supervisors
- · Senior Technical Staff
- · Senior Plant Operators
- Laboratory Personnel

#### Course Description

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Laboratory Practical: 1:00 pm-4:00 pm

Lunch will be provided.

A special five-day training course will be presented describing the specifications and testing of gasoline, diesel, and aviation fuels. Two days each will be devoted to gasoline and diesel, and one day to aviation fuel. Lectures will be presented each morning, and during the afternoons the attendees will conduct selected tests themselves in the laboratory. The presentations will discuss in detail the Standard Specifications for gasoline (ASTM D4814), for diesel fuel (D975), and aviation fuel (D1655). Additionally, gasoline topics will include chemistry, combustion, octane and octane enhancers, blending, volatility, distillation, driveability, vapor pressure and vapor liquid ratio, additives, oxygenates and worldwide gasoline specifications. The diesel topics will include diesel engine design and diesel combustion, cetane number and index, fuel grades and types, flash point, viscosity, sulfur, lubricity, detergency, cleanliness, microorganisms, cold flow performance, conductivity, and biodiesel. Aviation fuel topics will include jet engine fuels and combustion, water separation, cleanliness, volatility, density, specific energy, low temperature operability, and the specifications and testing of aviation gasoline. The standards covering the hands-on testing that the participants will conduct in the afternoons will be discussed in detail.

## Day 1 and 2 - Gasoline

- Combustion
- · Knocking, octane
- · Volatility, Distillation
- · Vapor pressure, Vapor liquid ratio
- · Driveability, Worldwide gasoline specifications
- · Oxygenates, Sulfur, Oxidation stability, Gums, Engine deposits
- Additives

#### Day 3 and 4 - Diesel

- . Differences among No 1, No 2, and No 4 Diesel
- · Pour and Cloud Points
- Flash Point
- Viscosity
- Copper Strip Corrosion
- Sulfur
- Ramsbottom Carbon Residue
- Lubricity, (HFRR)
- Cetane Number and Cetane Index
- · Water and Sediment
- . Cold Filter Plugging Point (CFPP)
- . Low Temperature Flow Test (LTFT)
- Biodiesel

#### Day 5 - Aviation Fuels

- Manufacture, Combustion in the Jet Engine
- · Testing, Water Separation, Lubricity
- · Specific Energy, Viscosity
- Additives, Static Electricity, Alternative Fuel Types

#### **Laboratory Practical Description**

Each day following the morning lecture section, participants will perform a selection of test methods discussed during the day using the required instrumentation. This hands-on approach will reinforce the topics and subject matter discussed during the lecture session to enhance learning and retaining knowledge.

### Day 1

D86 Distillation of Petroleum Products

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4 and 5 of D86
- B. Students will learn how to categorize a petroleum product by Group number 1,2,3, or 4 and use this information to determine what procedure to follow in the test method
- C. Students will perform and follow the step by step procedure

D323 Vapor Pressure of Petroleum Products (Reid Method)

Learning Objectives:

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B. Students will review each Procedure A, B, C, and D and determine what types of Petroleum Products apply to each Procedure

C. Students will perform and follow each step of Procedure A. Section 12 of D323

D381 Existent Gum in Fuels by Jet Evaporation

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D381
- B. Students will be able to recognize what petroleum products require an Air-Jet Apparatus and what products require a Steam-Jet Apparatus for Evaporation.
- C. Students will perform and follow the step by step procedure Section 11 of D381.

D525 Oxidation Stability of Gasoline

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D52
- B. Students will review the detailed Apparatus Section 6 and Annex A1, compare each section to the actual equipment required, and demonstrate how each component fits together to compile a complete Oxidation Stability Apparatus for Fuels.
- C. Students will perform and follow the step by step procedure Section 10 of D525.

D130 Detection of Copper Corrosion from Petroleum Products by Copper Strip Tarnish Test

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D130
- B. Students will be able to recognize what petroleum products require a Pressure Vessel Apparatus and what products require a Test Tube Apparatus.
- C. Students will perform and follow the step by step procedure Sections 10 and 11 for Preparation of Test Strips and Test

D7667 Determination of Corrosiveness to Silver by Automotive Spark-Ignition Engine Fuel -Thin Silver Strip Method

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D7667.
- B. Students will be able to recognize what petroleum products require following Procedure A -Using a Pressure Vessel (PVP) and what products require following Procedure B - Using a Vented Test Tube (VTTP).
- C. Students will perform and follow the step by step procedure Sections 10 and 11 for Preparation of Test Strips and Test Procedure.

D1319 Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D1319
- B. Students will review the detailed Apparatus Section 6 and compare each section to the actual equipment required, and demonstrate how each component fits together to compile a complete Fluorescent Indicator Adsorption Apparatus (FIA).
- C. Students will perform and follow the step by step Procedure as per Section 10 of ASTM D1319

#### Day 3

D93 Flash point by Pensky-Martens Closed Cup Tester

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D93.
- B. Students will review the detailed Apparatus Section 6 for both manual and automated equipment compare each section to the actual equipment required, and determine what procedure A, B, or C is applicable to what product type, and what the key parameter differences are between each procedure.
- C. Students will perform and follow the step by step Procedure A,

D2500 Cloud Point of Petroleum Products

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- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D2500.
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure Section 8 of D2500.

D97 Pour Point of Petroleum Products

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D97.
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure Section 8 of D97.

D445 Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D445
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Sections 10 General and 11 for Transparent Liquids.

D2709 Water and Sediment in Middle Distillate Fuels by Centrifuge

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D2709
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 8 of D2709.

D524 Ramsbottom Carbon Residue of Petroleum Products

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D524
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 9 of D524.

D6371 Cold Filter Plugging Point of Diesel and Heating Fuels

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D6371.
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 12 of D6371.

D6079 Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D6079.
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 11 and measuring the wear scar in Section 12

D4294 Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 3, and 4 of D4294.
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 12 of D4294.

Day 5

Crude Petroleum and Liquid Petroleum Products by Hydromet

Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D1298
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 10 of D1298.

D2386 Freezing Point of Aviation Fuels

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D1298.
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 10 of D1298.

D2624 Electrical Conductivity of Aviation and Distillate Fuels

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D2624
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 11 of D2624.

D1322 Smoke Point of Kerosine and Aviation Turbine Fuel

#### Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D1322
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure from Section 11.1 to 11.5.6 of D1322.

D3948 Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer

## Learning Objectives:

- A. Students will fully understand the scope, summary, significance and use as described in Sections 1, 4, and 5 of D3948
- B. Students will review the detailed apparatus Section 6 and compare each section to the actual equipment required.
- C. Students will perform and follow the step by step procedure in Section 10 of D3948.

#### **ASTM Standards Referenced**

## Test Methods

- D86 Distillation of Petroleum Products
- D93 Flash Point by Pensky-Martens Closed Cup Tester
- D97 Pour Point of Petroleum Products
- D130 Detection of Copper Corrosion from Petroleum Products by Copper Strip Tarnish Test
- · D381 Existent Gum in Fuels by Jet Evaporation
- D445 Kinematic Viscosity of Transparent and Opaque Liquids (and Calculation of Dynamic Viscosity)
- D524 Ramsbottom Carbon Residue of Petroleum Products
- · D525 Oxidation Stability of Gasoline
- D975 Standard Specification for Diesel Fuel
- D1298 Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method
- · D1319 Hydrocarbon Types in Liquid Petroleum Products by Fluorescent Indicator Adsorption
- D1322 Smoke Point of Kerosine and Aviation Turbine Fuel
- D1655 Standard Specification for Aviation Turbine Fuels
- D2500 Cloud Point of Petroleum Products
- D2624 Electrical Conductivity of Aviation and Distillate Fuels
- · D2709 Water and Sediment in Middle Distillate Fuels by Centrifuge
- D3948 Determining Water Separation Characteristics of Aviation Turbine Fuels by Portable Separometer
- D4294 Sulfur in Petroleum and Petroleum Products by Energy Dispersive X-ray Fluorescence Spectrometry

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- · D6079 Evaluating Lubricity of Diesel Fuels by the High-Frequency Reciprocating Rig (HFRR)
- D7667 Determination of Corrosiveness to Silver by Automotive Spark-Ignition Engine Fuel -Thin Silver Strip Method

#### Manuals

. Significance of Tests for Petroleum Products

- All referenced ASTM standards and course notes
- · Transportation to and from tour site
- · Coffee breaks
- · Course Completion Certificate with 3.5 Continuing Education Units (CEUs)

#### About the Instructors

Dr. Salvatore J. Rand is an ASTM Fellow and a consultant in motor and aviation fuel technology. He is vice-chairman of ASTM Committee D-2 on Petroleum Products and Lubricants, former chairman of Subcommittee 5 on Properties of Fuels, and secretary of the section on Color and Reactivity. He is retired from the Fuels Research Division of Texaco's R&D Department. Rand received his B.S. degree in chemistry from Fordham University and his Ph.D degree in physical chemistry from Rensselaer Polytechnic Institute.

David Forester has over 40 years' experience in the fuel and refining additive business and has over 35 US patents on development of diesel and jet fuel additives, refinery antifoulants. and other refinery and process related additives. He has designed. implemented and/or automated many fuel test methods, including many ASTM standards that have resulted in new additive products. reformulations, and improvements to diesel fuel additive products. He has been a member of ASTM Committee D02 for over 20 years and currently serves as Chairman of Subcommittee D02.14 Stability and Cleanliness of Liquid Fuels which has jurisdiction for 48 ASTM standards, test methods, practices and guides. Mr. Forester has authored or co-authored multiple SAE and IASH papers/presentations, and co-authored Chapter 11 "Methods for Assessing Stability and Cleanliness of Liquid Fuels" in Significance of Tests for Petroleum Products" 8th Edition published 2010 by ASTM. He is currently functioning as associate editor of fuels for the 2nd edition revision to "The Fuels and Lubricant Handbook" published by ASTM.

Dr. Rai Shah currently holds the position of Director at Koehler Instrument Company, Long Island, NY where he has been working for the past two decades. He holds a Bachelor's degree in Chemical Engineering from the Institute of Chemical Technology (ICT) and a Ph. D in Chemical Engineering from The Pennsylvania State University and a MCP degree in Marketing and Management from Long Island University

He is an active member of ASTM, STLE, NLGI, SAE, ACS, AOCS, SPE and AICHE and chairs various subcommittees in several of these organizations. He has over 100 publications and has co-edited an ASTM reference bestseller book "Fuels and Lubricant Handbook: Technology, Properties, Performance and Testing."

Dr. Shah is an elected Fellow of The Society of Tribologists and Lubrication Engineers (STLE) and was given the honor in 2016, in recognition for his outstanding contributions to the field of tribology. He is also the recipient of the Fellows award from NLGI since 2007. which endorsed his invaluable work in the field of greases. Rai is a Certified Professional Chemist and a Certified Chemical engineer with the National certification commission in chemistry and chemical engineering. He has also been awarded the Chartered Scientist status from the Science Council, UK and the Chartered Chemist status from the Royal society of chemistry

Dr. Shah is an elected fellow of American Institute of Chemists and of the Energy Institute, UK. That fellowship was awarded to him in recognition of his professional experience and depth of knowledge and expertise that helped make a difference in the field of Energy. Raj is also a Chartered engineer with the Engineering Council, UK and was elected a Chartered Petroleum engineer with the Energy Institute in recognition of his specific expertise as a practitioner in energy engineering. Dr. Shah is a recent recipient of the PM Ku medal from STLE and the John A Bellanti Sr. Memorial award from NLGI, both prestigious recognitions for his volunteer work with the respective institutions over the years.

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Case 1:13-cv=01s245=TissCactile@cumentel98-49 approximately 25 years. He was the vice-chair for the D02.G committee for over 12 years and served in leadership capacities in subcommittees D02. 9 and D02.12. In recent years, Dr. Shah is a coinstructor for the ASTM hands-on Motor gasoline course, and the

ASTM Fuel technology Course. Raj is a previous recipient of the ASTM Award of Excellence thrice in his career, and has also been lauded with the illustrious ASTM Eagle award.

Dr. Shah is an elected fellow of the Royal Society of Chemistry, which is typically awarded by one's peers to signify a scientist's high level of accomplishment. Dr. Shah is the only recipient of both the President's award and the Long service award from NLGI India and was honored in 2013 with the distinguished alumni award recipient from the Institute of Chemical Technology.

Raj volunteers his time to both professional and charitable organizations and has served on the Founders board of directors of Developmental Disabilities institute, a special needs school fo autistic children in Long Island, and also served on the NLGI board of directors for over 15 years. Dr. Shah is involved in working closely with several universities and is currently on the advisory board at: The Department of Chemical Engineering: State University of New York, Stony Brook, The School of Engineering, Design, Technology and Professional programs (SEDTAPP): Pennsylvania State University, and the Samuel Ginn College of Engineering, Tribology and lubrication science minor at Auburn University. Fluent in multiple languages, he enjoys world music, mixology, kayaking and mobile photography and lives in Melville, NY with his family.

Vincent Colantuoni, B.E, M.B.A, is the Product Manager for Koehler Instrument Company, Inc

Koehler is a Manufacturer of Petroleum Testing Equipment with their major customer base being Petroleum Refineries, Inspection and Research Laboratories and other Major Universities and Institutions, where he has 10 years of experience in the Petroleum/Petrochemical Industry.

Vincent has been an active member of ASTM International, a worldwide standardization organization since 2008, in Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants. At ASTM International, he serves as the Secretary of Subcommittee 9, Section C on the Oxidation Testing of Turbine Oils. Within this section, Vincent is also the Technical Contact for ASTM test method D943 and is responsible for any changes being proposed or made to the method. Vincent also assumes administrative responsibilities in Subcommittee C for Turbine Oils and Subcommittee G on Lubricating Greases. In Subcommittee C, he is the Technical Contact for ASTM test methods D665 and D3605. In Subcommittee G, he is the Technical Contact for ASTM test methods D217 and

#### Education:

Master of Business Administration, M.B.A. Double Major in Management/Operations Management and Sustainable Business 2015, Baruch College, City University of New York, N.Y.

Bachelors of Engineering, B.E. in Chemical Engineering Specialization in Business Management and Technology Transfer 2007, Stony Brook University, Stony Brook, N.Y.

#### About ASTM and Sponsoring Committee

Organized in 1898, ASTM is one of the world's largest voluntary standards development organizations. ASTM standards have grown to be among the world's most widely used and accepted documents. The 82-volume Annual Book of ASTM Standards contain 12,000 standards written by 34,000 members on our 140 technical committees. Committee D02 on Petroleum Products Liquid Fuels, and Lubricants developed the standards used in this course. For more information, contact Alyson Fick at (610) 832-9710 or go to our **D02** technical committee page.

## ASTM Membership

Attend this course and receive a FREE 1-year membership to ASTM International and Committee D02 on Petroleum Products and Lubricants, (Applies to new members only and may not be used to renew existing memberships.)

#### Attention: Professional Engineers

If your state has a continuing education requirement for license renewal, ASTM training courses and ASTM membership can help you meet that requirement.

#### How Learning Will Be Assessed

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#### **Questions About This Training Course**

For information on this training course, please contact <u>Training</u> or call (610) 832-9686.

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Crude Oil: Sampling, Testing, and Evaluation



Price: \$1,550.00

#### Register Online:

In order to register, please enter the number of attendees in the appropriate box below and click add attendees

San Antonio, TX

11/4/2019 - 11/6/2019

Holiday Inn San Antonio Riverwalk 217 N. St. Mary's Street San Antonio, TX 78205

210-224-2500

Number of Attendees

ADD ATTENDEES

#### **Early Bird Discount**

ASTM automatically applies a discount of 10% when participants register 60 days prior to the start of the class.

\*After the early bird period expires, registrations are subject to standard pricing.

#### About the Course

This extensive 3-day class covers the sampling, analysis and evaluation of crude oil. You'll gain an understanding of crude oil analytical measurement, composition and classification; quality variations and what causes them; sampling (both manual and automatic); inspection, assays and test methods; basic crude oil evaluation; quality case studies; current challenges and future needs in characterization, and much more.

## Learning Outcomes

By the end of this course you will be able to:

- Discuss the history of crude oil as it relates to supply and training patterns
- · Define and discuss key terminology
- Discuss sample protocols
- Review and discuss case studies.

## Who Should Attend

- Laboratory technicians and chemists responsible for the analysis of crude oil samples for quantity and quality purposes
- Laboratory technicians and chemists responsible for the analysis of crude oil samples for quantity and quality purposes
- Refinery personnel responsible for evaluating crude oil to determine their processing characteristics
- Operating (field) personnel responsible for collecting samples will also benefit from a better understanding of how test results are directly dependent on proper sample collection and
- Traders and buyers involved in sale, purchase, or exchanges of

## Course Description

Registration 8:00-8:30 AM Class 8:30 AM to 4:30 PM each day

#### Day 1

- · Crude Oil History; Supply and Trading Patterns
- · Definitions and Terms
- · Quality Variations and Their Causes
- The Complexities of Crude Oil Composition
- · Sampling Protocols

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- · Composition and Classification
- Inspection Analyses (Cursory Assay)
- Comprehensive Analyses (Full Assay)
- Other Important Crude Oils and Fraction Properties
- · Basics of Crude Oil Processing Evaluation
- Break Out Group Exercises

- Bituminum and Extra Heavy Crude Oils
- Crude Oil Quality Case Studies
- ASTM Crude Oil Proficiency Testing Program
- Challenges Presented to the Analyst by Heavier, Higher Sulfur Feedstocks and Opportunity Crude Oils
- Future Needs in Crude Oil Characterization and Analytical Test Method Requirements

#### Referenced Documents

- D97 Pour Point of Petroleum Products
- D287 API Gravity of Crude Petroleum and Petroleum Products
- D323 Vapor Pressure of Petroleum Products (Reid Method)
- D445 Kinematic Viscosity of Transparent and Opaque Liquids (and the Calculation of Dynamic Viscosity)
- D473 Sediment in Crude Oils and Fuel Oils by the Extraction
- D664 Acid Number of Petroleum Products by Potentiometric
- D1298 Density, Relative Density (Specific Gravity), or API Gravity of Crude Petroleum and Liquid Petroleum Products by Hydrometer Method
- D2622 Sulfur in Petroleum Products by X-ray Spectrometry
- D2892 Standard Test Method for Distillation of Crude Petroleum (15-Theoretical Plate Column)
- D3230 Salts in Crude Oil (Electrometric Method)
- D3700 Standard Practice for Obtaining LPG Samples Using a Floating Piston Cylinder
- · D4006 Water in Crude Oil by Distillation
- D4007 Water and Sediment in Crude Oil by the Centrifuge Method (Laboratory Procedure)
- D4057 Manual Sampling of Petroleum and Petroleum Products
- D4177 Automatic Sampling of Petroleum and Petroleum
- D4294 Sulfur in Petroleum Products by Energy-Dispersive X-ray Fluorescence Spectrometry
- D4377 Water in Crude Oil by Potentiometric Karl Fischer
- D4530 Determination of Carbon Residue (Micro Method)
- D4629 Trace Nitrogenin Liquid Petroleum Hydrocarbons by Syringe/Inlet Oxidative Combustion and Chemiluminescence
- D4807 Sediment in Crude Oil by Membrane Filtration

#### Fee Includes

- · Course notes
- · Referenced documents
- · Certificate Of Attendance
- . 2.1 CEUs (Continuing Education Units)
- · Coffee breaks

#### About the Instructors

Harry Giles is retired from the U. S. Department of Energy where he was manager of crude oil quality programs for the Strategic Petroleum Reserve. He was employed by the DoE for over 30 years, prior to which he held several positions with other U.S. government agencies and the University of Manchester in the United Kingdom. He has authored or co-authored a number of articles on crude oil analysis, characterization, storage, and on fuel stability and cleanliness. Giles is a technical advisor to ASTM for their Crude Oil Interlaboratory Crosscheck Program (ILCP), Currently, he is Executive Director of the Crude Oil Quality Association.

Dr. Arden Strycker has over 30 years experience in the petroleum industry including both advanced oil production technologies and downstream analytical testing and analyses. He has worked at the National Institute of Petroleum & Energy Research developing

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and ASTM analytical testing of crude oil properties. For over 10 years at Northrop Grumman the laboratory provided to the Department of Energy's Strategic Petroleum Reserve (SPR) numerous inspection and comprehensive assays of domestic and foreign crude oil streams and the up to 700 million barrels of crude oil stored underground in salt caverns. Specialized assay software was utilized as part of the program to generate customized assays of cavern blends. These were used successfully by the SPR in sales of the crude oil. More recently Dr. Strycker has led the Crude Assay Department of SGS North America at Deer Park, TX, Crude assays, custom distillations, and custom testing are provided to clients around the world, with strong emphasis on North and South America crude oils. Arden received his B.S. in chemistry from Southern Oregon University, and his Ph.D. in organic chemistry from Oregon State University.

#### **About Sponsoring Committee**

Organized in 1898, ASTM is one of the world's largest voluntary standards development organizations. ASTM standards have grown to be among the world's most widely used and accepted documents. The 82-volume Annual Book of ASTM Standards contain 12,000 standards written by 34,000 members on our 140 technical committees. Committee D02 on Petroleum Products, Liquid Fuels, and Lubricants developed the standards used in this course. For more information, contact Alyson Fick at (610) 832-9710 or go to our **D02** technical committee page.

#### **ASTM Membership**

Attend this course and receive a FREE 1-year membership to ASTM International and Committee D02 on Petroleum Products and Lubricants. (Applies to new members only and may not be used to renew existing memberships.)

#### Attention: Professional Engineers

If your state has a continuing education requirement for license renewal, ASTM training courses and ASTM membership can help you meet that requirement.

#### On-Site Training Available

ASTM can bring this course to your site! On-site training courses can also be tailored to meet your specific needs. For more information, please contact sales here or call 1-877-909-ASTM.

#### How Learning Will Be Assessed

Learning will be assessed through a series of question and answer sessions.

#### **Quetions About This Training Course**

For information on this training course, please contact  $\underline{\text{Training}}$  or call (610) 832-9695.

### Attendee Praise

Praise from recent attendees of the course:

"Very well balanced to meet the needs of a diverse audience."

"These courses are promoted by my company as a way to continue education. I always learn something new from them and they definitely add to personal enrichment."

I really enjoyed the course and was glad that I was taught by Mr. Giles."

All topics were applicable to what I needed to know."

"The wide scope of the course was helpful."

"Very much enjoyed the presentation and the knowledge of Harry Giles. Also appreciated the diversity of the group. Helped me understand more/different facets of our industry."

"Increased my understanding; answered outstanding questions."

#### Related Courses

You may also be interested in these related courses:

Live Courses

• <u>Statistics in ASTM Standard Test Method Development,</u> <u>Application, and Quality Assurance</u>

#### Online Courses

ASTM Petroleum Lab Technician Series

All | Search topic, title...

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### USCA Case #22-7063

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# Case 1:13-cv-01215-TSC Document 198-49 Filed 10/07/19 Page 38 of 45 #2 Diesel Fuel Training -- E-Learning

Bundle

Price: \$2192

### About the Series

ASTM's Petroleum Lab Technician Series enables lab technicians to improve their skills through industry leading, self-guided, online training. The e-learning courses are a key tool to supplement existing internal lab QA/QC programs.

### Each course includes:

- Self-guided training complete with video demonstrations, checklists, concept presentations, data sheets and glossaries
- · Quiz with automatic grading
- · Certificate upon successful completion of course and passing score on the quiz.

### ASTM E-Learning Center

All ASTM online courses are available by subscription on ASTM's E-Learning Center. The E-Learning Center provides advanced features that let you set up learning plans, track learning progress and compliance, and run reports.

### #2 Diesel Fuel Bundle

The #2 Diesel Fuel e-learning bundle includes all of the following courses. Courses are also available individually. Each course can be completed in about one hour.

- D86 Distillation
- D93 Flash Point
- D97 Pour Point
- D130 Copper Corrosion
- D189 Carbon Residue
- . D445 Viscosity, Kinematic D482 Ash
- D524 Carbon Residue
- D664 Acid Number
- D974 Acid Number
- D1298 Density
- <u>D1319 Hydrocarbon Type</u>
- D2500 Cloud Point
- D2622 Sulfur Content
- D2624 Electrical Conductivity D4052 Density, Relative Density
- D4294 Sulfur Content
- D4530 Carbon Residue
- <u>D4629 Nitrogen</u>
- D5453 Sulfur Content
- <u>D5762 Nitrogen</u>
- D6079 Lubricity
- <u>D6468 High Temperature</u>
- D7688 Lubricity (HFRR)

### **CEUs and Certificate**

CEUs: Available for all courses. Please see individual course listing for more information.

Certificates: A certificate is available upon successful completion of the course and an 80% or higher score on the exam.

To preview a demo version of a course, click here.

1 year online subscription for a Single User Only via username/password. Requires internet access.

For pricing for Multi-User access or for more information, please contact sales here or call 1-877-909-ASTM.

### **Technology Requirements**

# Case 1:13-cv-04:245:45:669 report ments 498 49 Filed 10/07/19 Page 39 of 45 Training please click here.

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# EXHIBIT 8

### USCA Case #22-7063 Document #1982413

Case 1:13-cv-01215-TSC Document 198-49 Filed 10/07/19 Page 41 of 45 Other Petroleum Courses

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Price: \$2825

### About the Series

ASTM's Petroleum Lab Technician Series enables lab technicians to improve their skills through industry-leading, self-guided online training. The e-learning courses are a key tool to supplement existing internal lab QA/QC programs.

### Each course includes:

- Self-guided training complete with video demonstrations. checklists, concept presentations, data sheets and glossaries
- Quiz with automatic grading
- Certificate upon successful completion of course and passing score on the quiz.

### **ASTM E-Learning Center**

All ASTM online courses are available by subscription on ASTM's E-Learning Center. The E-Learning Center provides advanced features that let you set up learning plans, track learning progress and compliance, and run reports.

### Other Petroleum Courses

The Other Petroleum Course package includes all of the following courses. Courses are also available individually.

- Aviation Fuel Quality: Control Procedures Training Bundle
- Aviation Fuel Quality Control Procedures: An Overview
- General Fuel Handling
- Particulate Detection
- Water Detection
- Filtration Equipment
- Microbial Contamination Detection
- Flash Point: Sampling and Test Specimens
- Flash Point: Preparation, Verification and Maintenance of Apparatus
- Flash Point: Explanation and Terminology
- Flash Point: Apparatus and Auxiliary Equipment
- Flash Point Bundle: Includes all 4 Flash Point courses listed
- D611 Aniline Point
- D4308 Electrical Conductivity
- D4860 Water and Sediment Content
- D6426 Filterability
- D6824 Filterability
- D7261 Water Separation

### Preview A Course

To preview a demo version of a course, click here

1 year online subscription for a Single-User Only via username/password. Requires internet access.

For pricing for Multi-User access or for more information, please contact sales here or call 1-877-909-ASTM.

### **Technology Requirements**

1 year online subscription for a Single-User Only via username/password. Requires internet access.

For pricing for Multi-User access or for more information, please contact sales here or call 1-877-909-ASTM.

Price: \$2825

≥ ADD TO CART

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# EXHIBIT 9

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ASTM E23 Standard Test Methods for Notched Bar Impact Testing of Metallic Materials -- E-Learning Course

Price: \$125.00

### About the Series

ASTM's Mechanical Engineering Technician Series enables lab technicians to improve their skills through industry-leading, selfguided online training. The training courses are a key tool to supplement existing internal lab QA/QC programs

Each course includes:

- · Self-guided training complete with video demonstrations, checklists, concept presentations, data sheets and glossaries
- · Review guiz with automatic grading
- · Certificate upon successful completion of training module

### **ASTM E-Learning Center**

All ASTM online courses are available by subscription on ASTM's E-Learning Center. The E-Learning Center provides advanced features that let you set up learning plans, track learning progress and compliance, and run reports.

### About the Course

This courses covers the test methods that describe notched-bar impact testing of metallic materials by the Charpy (simple-beam) test and the Izod (cantilever-beam) test. The course covers the requirements for: test specimens, test procedures, test reports, test machines verifying Charpy impact machines, optional test specimen configurations, designation of test specimen orientation, and determining the percent of shear fracture on the surface of broken

In addition, information is provided on the significance of notchedbar impact testing, and methods of measuring the center of strike.

### Learning Outcomes

By the end of this course you will be able to:

- · Determine the impact strength of a metal
- · Predict the likelihood of brittle fracture accurately
- · Explain the Charpy and Izod test approaches
- · Summarize the procedural steps required to determine the absorbed energy of metallic materials by notched bar impact

### Audience

Anyone who runs the E23 test method or who needs an understanding of the test method and how it is properly run.

### **Course Content**

- Introduction
- Demonstration Videos
- · Procedural Outlines
- Glossarv
- Data Sheet
- Quiz
- · Referenced Materials
- Certificate

### Videos

- · Preparation of Apparatus (Duration: 4:11)
- Test Temperature Considerations (Duration: 5:04)
- . Charpy Test Procedure (Duration: 4:25)

### **CEUs and Certificate**

CEUs: .1 or 1 PDH

Certificate: A certificate is available upon successful completion of the course and an 80% or higher score on the exam.

### Reference Materials Included

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# Access 1 year online subscription for a Single-User Only via username/password. Requires internet access. For pricing for Multi-User access or for more information, please contact sales here or call 1-877-909-ASTM. Technology Requirements For a list of technology requirements for accessing ASTM Training please click here. Stock # TRAIN-E0023-PASS Price: \$125 PADD TO CART All Search topic, title... Home | About | Site Map | Support | Contact | Policies | Privacy Policy | Copyright/Permissions | Reading Room Copyright © 1996 - 2019 ASTM. All Rights Reserved. ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA, 1943-8-2959 UsA

## UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a ASTM INTERNATIONAL;

NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,

Plaintiffs/
Counter-Defendants,

v.

PUBLIC.RESOURCE.ORG, INC.,

Defendant/
Counter-Plaintiff.

Case No. 1:13-cv-01215-TSC

# SUPPLEMENTAL DECLARATION OF JAMES T. PAULEY IN SUPPORT OF PLAINTIFFS' SECOND MOTION FOR SUMMARY JUDGMENT AND A PERMANENT INJUNCTION

I, James T. Pauley, declare as follows:

- 1. I am the President and Chief Executive Officer of the National Fire Protection Association ("NFPA") and have been since July 1, 2014. I am generally responsible for the management, direction and administration of NFPA and its activities, including NFPA's standards development activities. The following facts are based upon my own personal knowledge, and if called upon to do so, I could and would testify competently thereto.
- 2. I previously submitted a declaration in November 2015, in support of Plaintiffs' Motion for Summary Judgment (Dkt. 118-8). That declaration provided background regarding NFPA, its standards development process and standards, and the importance of copyright to its

ability to serve its overall mission. I submit this declaration to provide additional testimony in support of Plaintiffs' Second Motion for Summary Judgement and a Permanent Injunction.

### NFPA Owns Copyrights in Its Standards

- 3. NFPA owns the copyrights to over 300 standards it has published. This litigation involves 23 of NFPA's copyrighted standards.
- 4. True and correct copies of the following NFPA standards are attached as exhibits hereto<sup>1</sup> and filed under seal so they cannot be copied and distributed:

Designation	Edition	Title	Exhibit
NFPA 1	2003	Uniform Fire Code	A
NFPA 1	2006	Uniform Fire Code	В
NFPA 10	2002	Standard for Portable Fire Extinguishers	С
NFPA 11	2005	Standard for Low Medium and High Expansion Foam	D
NFPA 12	2005	Standard on Carbon Dioxide Extinguishing Systems	Е
NFPA 13	2002	Installation of Sprinkler Systems	F
NFPA 25	2002	Inspection, Testing and Maintenance of Water-Based Fire Protection Systems	G
NFPA 30	2003	Flammable and Combustible Liquids Code	Н
NFPA 54	2006	National Fuel Gas Code	I
NFPA 58	2001	Liquefied Petroleum Gas Code	J
NFPA 58	2004	Liquefied Petroleum Gas Code	K
NFPA 59	2004	Utility LP Gas Plant Code	L
NFPA 70	1999	National Electrical Code	M
NFPA 70	2005	National Electrical Code	N
NFPA 70	2008	National Electrical Code	O
NFPA 70	2014	National Electrical Code	P
NFPA 72	2002	National Fire Alarm Code	Q
NFPA 99	2005	Health Care Facilities Code	R
NFPA 101	2000	Life Safety Code	S
NFPA 101	2003	Life Safety Code	T
NFPA 101	2006	Life Safety Code	U
NFPA 704	2007	Standard System for the Identification of the Hazards of Materials for Emergency Response	V

<sup>&</sup>lt;sup>1</sup> NFPA previously filed a true and correct copy of NFPA 70 (2011 ed.), the National Electrical Code ("NEC"), as Exhibit A to the declaration of Christian Dubay, Dkts. 155-6 (redacted); 154-2 (motion to seal), 162 (sealed).

- 5. NFPA previously submitted the copyright registration certificates for NFPA 70, the National Electrical Code (2011 ed.) and (2014 ed.), as Exhibits A & B to the declaration of Dennis Berry (Dkt. 118-3). Copyright registration certificates for NFPA's other standards at issue in this litigation are attached hereto as set forth below.
- 6. NFPA owns a United States copyright registration for NFPA 1 (2003 ed.), the Uniform Fire Code. Attached as Exhibit W to this declaration is a true and correct copy of the registration certificate for this work, TX 5-970-602.
- 7. NFPA owns a United States copyright registration for NFPA 1 (2006 ed.), the Uniform Fire Code. Attached as Exhibit X to this declaration is a true and correct copy of the registration certificate for this work, TX 6-261-668.
- 8. NFPA owns a United States copyright registration for NFPA 10 (2002 ed.) the Standard for Portable Fire Extinguishers, NFPA 13 (2002 ed.) Installation of Sprinkler Systems, NFPA 25 (2002 ed.) Inspection, Testing and Maintenance of Water-Based Fire Protection Systems, registered under the title "National Fire Codes Vol. 1-12 and Master Index." Attached as Exhibit Y to this declaration is a true and correct copy of the registration certificate for this work, TX 5-752-623.
- 9. NFPA owns a United States copyright registration for NFPA 11 (2005 ed.) the Standard for Low Medium and High Expansion Foam. Attached as Exhibit Z to this declaration is a true and correct copy of the registration certificate for this work, TX 6-160-768.
- 10. NFPA owns a United States copyright registration for NFPA 12 (2005 ed.) the Standard on Carbon Dioxide Extinguishing Systems. Attached as Exhibit AA to this declaration is a true and correct copy of the registration certificate for this work, TX 6-232-876.

- 11. NFPA owns a United States copyright registration for NFPA 30 (2003 ed.)

  Flammable and Combustible Liquids Code. Attached as Exhibit BB to this declaration is a true and correct copy of the registration certificate for this work, TX 5-905-038.
- 12. NFPA owns a United States copyright registration for NFPA 54 (2006 ed.)

  National Fuel Gas Code. Attached as Exhibit CC to this declaration is a true and correct copy of the registration certificate for this work, TX 6-261-666.
- 13. NFPA owns a United States copyright registration for NFPA 58 (2001 ed.) Liquefied Petroleum Gas Code (title registered as "National Fire Codes Vol 3"). Attached as Exhibit DD to this declaration is a true and correct copy of the registration certificate for this work, TX 5-401-672.
- 14. NFPA owns a United States copyright registration for NFPA 58 (2004 ed.)

  Liquefied Petroleum Gas Code. Attached as Exhibit EE to this declaration is a true and correct copy of the registration certificate for this work, TX 5-956-112.
- 15. NFPA owns a United States copyright registration for NFPA 59 (2004 ed.) Utility LP Gas Plant Code. Attached as Exhibit FF to this declaration is a true and correct copy of the registration certificate for this work, TX 5-953-205.
- 16. NFPA owns a United States copyright registration for NFPA 70 (1999 ed.)

  National Electrical Code. Attached as Exhibit GG to this declaration is a true and correct copy of the registration certificate for this work, TX 4-092-419.
- 17. NFPA owns a United States copyright registration for NFPA 70 (2005 ed.)

  National Electrical Code. Attached as Exhibit HH to this declaration is a true and correct copy of the registration certificate for this work, TX 6-108-410.

- 18. NFPA owns a United States copyright registration for NFPA 70 (2008 ed.)

  National Electrical Code. Attached as Exhibit II to this declaration is a true and correct copy of the registration certificate for this work, TX 6-966-113.
- 19. NFPA owns a United States copyright registration for NFPA 72 (2002 ed.)

  National Fire Alarm Code. Attached as Exhibit JJ to this declaration is a true and correct copy of the registration certificate for this work, TX 5-841-133.
- 20. NFPA owns a United States copyright registration for NFPA 99 (2005 ed.) Health Care Facilities Code. Attached as Exhibit KK to this declaration is a true and correct copy of the registration certificate for this work, TX 6-153-939.
- 21. NFPA owns a United States copyright registration for NFPA 101 (2000 ed.) Life Safety Code. Attached as Exhibit LL to this declaration is a true and correct copy of the registration certificate for this work, TX 5-371-918.
- 22. NFPA owns a United States copyright registration for NFPA 101 (2003 ed.) Life Safety Code. Attached as Exhibit MM to this declaration is a true and correct copy of the registration certificate for this work, TX 5-841-134.
- 23. NFPA owns a United States copyright registration for NFPA 101 (2006 ed.) Life Safety Code. Attached as Exhibit NN to this declaration is a true and correct copy of the registration certificate for this work, TX 6-294-334.
- 24. NFPA owns a United States copyright registration for NFPA 704 (2007 ed.)

  Standard System for the Identification of the Hazards of Materials for Emergency Response.

  Attached as Exhibit OO to this declaration is a true and correct copy of the registration certificate for this work, TX 6-445-855.

### **Incorporation by Reference of NFPA's Standards**

- 25. Federal agencies, states, and local governments sometimes incorporate NFPA's standards (or portions thereof) by reference into their regulations, statutes, or ordinances. Such entities frequently set forth their own amendments or modifications that are specific to their respective jurisdictions. We refer to an entity (usually a governmental body) that enforces a standard as an Authority Having Jurisdiction ("AHJ"). It is the incorporating entity of agency or the relevant AHJ, not NFPA, that decides which legal duties will apply, to whom those duties will apply, and the procedures and policies relating to enforcement, within the entity's or the AHJ's jurisdiction.
- 26. The NFPA standards at issue in this litigation provide that there may be *other ways*, in addition to those set out within a published standard, for persons within a jurisdiction to satisfy their particular legal obligations. For example, NFPA 54, 2006 ed., the National Fuel Gas Code, states that its provisions "are not intended to prevent the use of any material, method of construction, or installation procedure not specifically prescribed by this code, provided any such alternative is acceptable to the authority having jurisdiction." Ex. I at ch. 1.4 "Equivalency" (NFPA-PR0014798). I am aware that substantively similar provisions appear in each of the other standards at issue.
- 27. Although AHJs or other entities may incorporate our standards by reference, portions within each of our standards provide options or examples. As explained in, for example, the 2014 NEC (NFPA 70), the standards include "Permissive Rules" which are defined as "those that identify actions that are allowed but not required, are normally used to describe options or alternative methods, and are characterized by the use of the terms *shall be permitted* or *shall not be required*." Ex. P at art. 90-5(B) (NFPA-PR0098088). An example of such an optional rule is article 324.56(A) of the 2014 NEC regarding FCC Systems Alterations, which

states "Alterations to FCC systems shall be permitted. . . . It shall be permitted to leave unused cable runs and associated cable connectors in place and energized." *Id.* at art. 324.56(A) (NFPA-PR0098260).

- 28. Further, all of NFPA's standards include text that does not set forth any obligation. I describe these sections below.
  - a. Prefatory Notices: NFPA's standards generally include a section setting forth notices, including information regarding the voluntary consensus standards development process, and disclaimers and copyright information, regarding the publication.
  - b. History, Development and Edition Information: NFPA's standards generally include introductory and background information about, for example, the origin of the standards and its purpose, relation to other standards, and edition-specific information.
  - c. Reference and Informational Notes: NFPA's standards often include in-line informational notes throughout the text of each standard. The informational notes provide context, background, cross-references, and other explanatory material. For some of our standards, the text explicitly qualifies the informational notes as "not enforceable as requirements." For example, article 90-5(C) of the 2014 NEC (NFPA 70) provides: "Explanatory material, such as references to other standards, references to relates sections of this *Code*, or information related to a *Code* rule, is included in this *Code* in the form of informational notes." Ex. P at art. 90-5(C) (NFPA-PR0098088). As the NEC makes clear: "such notes are informational only and are no enforceable as requirements of this Code." Id.

(emphasis added). An example of the type of material written in informational notes is art. 110-11, Informational Note No. 2, of the same publication: "Some cleaning and lubricating compounds can cause severe deterioration of many plastic materials used for insulating and structural applications in equipment." *Id.* at art. 110-11 n.2 (NFPA-PR0098100). Someone could paraphrase or use their own words to describe this same information, rather than copying NFPA's words.

- d. Diagrams, Figures, and Illustrations: NFPA's standards generally include diagrams, figures, or illustrations that depict material set forth in the text of the standard, but that do not themselves state any legal duty. For example, in the 2014 NEC, Figure 220.1 provides a graphical summary of how the text of Article 220 is organized. Ex. P at Figure 220.1 (NFPA-PR0098129). If someone wanted to write their own description of the organizational structure of Article 220, that person could do so using different words or different illustrations than the one NFPA created.
- e. **Examples:** NFPA's standards generally include non-exhaustive lists or exemplary calculations. For example, in the 2014 NEC, article 550.4(A) lists examples of a mobile home not intended as a dwelling unit: "those equipped for sleeping purposes only, contractor's on-site offices, construction job dormitories, mobile studio dressing rooms, banks, clinics, mobile stores, or intended for the display or demonstration of merchandise or machinery." *Id.* at art. 550.4(A) (NFPA-PR0098568). These illustrative examples do not impose any requirement. If someone wanted to create their own list of examples of a mobile home that is not intended as a dwelling unit, that person could come up with their own

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- examples, could use different words to describe even the examples that NFPA provides, and could list their examples in a different order.
- f. Informational Annexes: All of the standards in this litigation, and our standards generally, include informational annexes. These informational annexes typically provide that they are *informational only*, although they can contain a variety of material. For example, Annex A to NFPA 13 (2002 ed.), Installation of Sprinkler Systems, is entitled "Explanatory Material," which states "Annex A is not a part of the requirements of this NFPA document but is included for informational purposes only. This annex contains explanatory material numbered to correspond with the applicable text paragraphs." Ex. F at Annex A (NFPA-PR0014507). Some informational annexes contain standards that may be binding, but only if an AHJ specifically incorporates the informational annex by reference. For example, Annex H to NFPA 70 (2014 ed.), the National Electrical Code, is entitled "Administration and Enforcement." That annex specifically states that it is "not a part of the requirements of this NFPA document and is included for informational purposes only . . . unless specifically adopted by the local jurisdiction adopting the National Electrical Code®." Ex. P at Annex H (NFPA-PR0098919).
- g. Proposal Forms: Our standards generally include information about the committee process and proposal forms so the reader can submit suggested language for future editions.
- 29. The non-binding materials I have described in the preceding paragraph serves

  NFPA's overall goal of public safety by providing the ultimate user of the standard—whether an

engineer, contractor, architect, or anyone else—with additional references or material related to the subject of the standard.

# PRO's Continues to Copy and Distribute NFPA's Standards and Use NFPA's Trademarks and Logo

- 30. I am aware that Public.Resource.Org has copied and published NFPA's 2017

  National Electrical Code to the Internet Archive website.
- 31. In addition, I am aware that after the D.C. Circuit remand, Public.Resource.Org re-posted NFPA's standards to the Internet Archive website. Those versions have received many more views and downloads since they were reposted. Anyone can freely download, copy, print and redistribute these versions of NFPA's standards from the Internet Archive website.
- 32. I understand that Public.Resource.Org has represented that it has removed all of the Plaintiffs' logos from the versions of the standards it posts to the Internet Archive website.

  PRO has not removed the trademarked logo for the National Electrical Code. *See* Berry Decl.

  ¶¶ 8-9, Exs. H, I (trademarks for NFPA 70 and NEC logo).

### PRO Interferes with NFPA's Actual and Potential Market for Its Standards

- 33. NFPA depends on the sale of standards to fuel its overall mission-driven work. In 2018, NFPA's publication sales accounted for approximately 64% of NFPA's total operating revenues. The vast majority of that revenue is from the sale of codes and standards, including those standards that have been incorporated by reference.
- 34. NFPA's standards are purchased and used predominantly by industry professionals and tradespeople (either individually or by their companies and organizations) who use these standards in the course of their business, such as contractors, engineers, electricians, architects, and electrical equipment manufacturers.

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- 35. The versions of our standards posted by Public.Resource.Org and available for unrestricted download and use compete directly with our standards in the market. If the professionals and tradespeople are able to access and download nearly-identical standards without incurring any cost through Public.Resource.Org's postings to the Internet Archive, they will not buy our publications (or use our free access website, as I discuss more below). This hurts our revenue and, in turn, ability to pursue our overall mission.
- 36. NFPA also earns significant revenue from licensing its standards to other companies and organizations to use in their products and services, for example, derivative works like checklists based on the standards. Pursuant to those licenses, NFPA provides licensees with copies of its standards or portions thereof in formats that the licensee may use in conjunction with software or other forms of dissemination. NFPA's licenses likely would lose significant value if the licensees or their customers could obtain the same material from Public.Resource.Org in digital format, without cost, and without restrictions on further dissemination.
- 37. Public.Resource.Org's postings threaten NFPA's ability to control the further dissemination and use of its standards. Because Public.Resource.Org offers unrestricted and anonymous access to NFPA's standards in multiple formats (unlike NFPA's free access), NFPA has absolutely no means of tracking down those individuals who use Public.Resource.Org's versions of NFPA's standards for their commercial businesses, or for sale to other individuals and entities.
- 38. Although our revenue is somewhat cyclical with our publications (higher when new publications are released), in recent years, NFPA's revenue from the sale of standards has been declining. We attribute this decline, at least in part, to Public.Resource.Org's making

copies of NFPA's standards widely available, including for use by those same industry professionals who would otherwise purchase copies or digital subscription access.

### Public.Resource.Org's Postings Contain Errors

- 39. I understand that Public.Resource.Org converted NFPA standards to different formats and posted those versions on the internet. The conversion process inevitably resulted in errors. For example, I am aware that the full text version of the 2011 version of the NEC that was posted to Public.Resource.Org's website contains many errors.<sup>2</sup> These include many obvious typographical errors, but they also include errors that distort the meaning of the standard. Some of those errors are:
  - a. Article 310.10(F) of the 2011 NEC addresses conductors used in direct-burial applications, and states: "Cables rated above 2000 volts shall be shielded." This requirement that high-voltage cables in direct-burial applications be shielded is important to prevent damage to the cables and a resulting risk of electrical shock. This language, however, is completely omitted from the full text version that was posted on Public.Resource.Org's website.
  - b. Article 424.59 of the 2011 NEC states that "heaters installed within 1.2m (4 ft) of the outlet of an air-moving device . . . may require turning vanes, pressure plates, or other devices on the inlet side of the duct heater to ensure an even distribution of air over the face of the heater." In Public.Resource.Org's full text version however, the "m"—representing meters—is incorrectly rendered as "in"—which represents inches. In other words, the Public.Resource.Org version says that the

<sup>&</sup>lt;sup>2</sup> Public.Resource.Org makes this version available at https://archive.org/details/gov.law.nfpa.nec.2011.

- requirement is only triggered if a heater is less than 1.2 inches from an air-moving device, rather than the correct and much greater distance of 1.2 meters.
- c. Article 430.35(B) of the 2011 NEC states that "motor overload protection shall not be shunted or cut out during the *starting* period if the motor is automatically started" (emphasis added). Inadequate motor overload protection can result in overheating and damage. In Public.Resource.Org's full text version, however, this provision incorrectly says that motor overload protection shall not be shunted or cut out during the "*stalling* period" (emphasis added).<sup>3</sup>
- d. There are many typographical errors in the cross-references in Public.Resource.Org's full text version. In order to understand a provision of the NEC that contains a cross-reference, the user must be able to identify and refer to the Article identified in that cross-reference. However, Public.Resource.Org's full text version contains many erroneous cross-references including in Articles 310.10(E), 410.140(D), 430.75, 504.70, 645.10(B), 670.3(B), 680.25(B).

### **NFPA Provides Free Access to the Standards**

- 40. Since 2006, NFPA has offered a dedicated website that provides free access to its standards. It has been and remains committed to providing the full text of NFPA standards that have been incorporated by reference available, without cost, for viewing on its website.
- 41. Each of the 23 standards at issue in this litigation is available through a link, and after logging into that individual's account, on our free access website, available at https://www.nfpa.org/Codes-and-Standards/All-Codes-and-Standards/Free-access.

<sup>&</sup>lt;sup>3</sup> <u>https://archive.org/stream/gov.law.nfpa.nec.2011/nfpa.nec.2011\_djvu.txt</u> (the incorrect language also appears out of order under section 430.42 in the full text version).

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- 42. This access ensures that if someone does not have ready access to a printed copy of a particular standard, that person can locate and read the material that is of interest to them.<sup>4</sup> Thousands of individuals access NFPA's standards through the free access website each year. This access is "read only," meaning that someone viewing the material online cannot download, copy, or disseminate the published standard.
- 43. We believe that our read only access appropriately balances our rights and our need to generate revenue to pursue our mission with the desire of others to read the codes and standards. We also believe that it is efficient to spread the cost of the standards development activity across the world of professionals who use our standards to do their jobs such that any one is paying a reasonable cost (around \$100 or less) for a copy of one of our standards. I created a video regarding this balance which is available on our website at <a href="https://www.nfpa.org/Codes-and-Standards/All-Codes-and-Standards/Free-access">https://www.nfpa.org/Codes-and-Standards/All-Codes-and-Standards/Free-access</a>.
- 44. When NFPA becomes aware of jurisdictions that incorporate its standards by reference, NFPA encourages those jurisdictions to link their websites to NFPA's free, online version of the standards. NFPA provides a "Free Access Widget" that easily enables such access.
- 45. NFPA views this free access as in furtherance of its overall mission. Read only access allows any member of the public wishing to know what an incorporated standard says on any topic that may be of interest to that member of the public. NFPA's free access also encourages increased visits to NFPA's website. Users who visit NFPA's website may engage with NFPA on public-safety awareness efforts, trainings, and publications. NFPA hopes that

<sup>&</sup>lt;sup>4</sup> NFPA makes other accommodations available for visually impaired individuals who can either contact NFPA directly, or use NFPA's standards in accessible format through the National Library System's access for visually impaired individuals.

these individuals may someday become members, contributors, and otherwise involved in NFPA's important work.

### NFPA's CodeFinder<sup>TM</sup> and Other Informational Resources

- 46. NFPA has also devoted resources to researching and consolidating information regarding which jurisdictions have incorporated NFPA standards into local, state, or federal laws or regulations. This information is provided as an informational and educational resource so the public can know which NFPA standards govern in particular jurisdictions.
- 47. NFPA offers two dedicated websites with this information: The NEC Adoptions Map, <a href="https://www.nfpa.org/NEC/NEC-adoption-and-use/NEC-adoption-maps">https://www.nfpa.org/NEC/NEC-adoption-and-use/NEC-adoption-maps</a>, and CodeFinder<sup>TM</sup> <a href="https://codefinder.nfpa.org">https://codefinder.nfpa.org</a>. As NFPA explains to the public when they use the CodeFinder<sup>TM</sup> tool: "Publication of this tool is for the sole purpose of creating general public awareness of some of the jurisdictions where [AHJs] may require the use of NFPA codes and/or standards."

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct and that this declaration was executed this \_ day of October, 2019 at Quincy, Massachusetts.

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# UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a ASTM INTERNATIONAL;	
NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and	
AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,	Case No. 1:13-cv-01215-TSC
Plaintiffs/ Counter-Defendants,	
v.	
PUBLIC.RESOURCE.ORG, INC.,	
Defendant/ Counter-Plaintiff.	

PLAINTIFFS' MEMORANDUM OF LAW
IN SUPPORT OF THEIR SECOND MOTION FOR
SUMMARY JUDGMENT AND FOR A PERMANENT INJUNCTION

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### **INTRODUCTION**

The D.C. Circuit remanded for this Court to consider Public.Resource.Org's ("PRO") affirmative defenses of copyright and trademark fair use on a standard-by-standard basis.<sup>1</sup> The D.C. Circuit did not decide whether PRO's defenses would apply to any or all of the standards that had been incorporated by reference. Indeed, the court recognized "it may . . . turn out that PRO . . . use[s] incorporated standards in a manner not encompassed by the fair use doctrine." *Am. Soc'y for Testing & Materials, et al. v. Public.Resource.Org, Inc.*, 896 F.3d 437, 447 (D.C. Cir. 2018) ("*ASTM IP*"). That is exactly how it has turned out. Under the fair use framework that the D.C. Circuit said must apply in this case,<sup>2</sup> PRO's fair use defense fails as a matter of law.

The D.C. Circuit's opinion makes clear that the key question on copyright fair use is whether the specific text PRO copied and distributed is "essential to complying with [a] legal duty," as compared to just "help[ing] inform one's understanding of the law." ASTM II, 896 F.3d at 450 (emphasis added). If PRO cannot show that everything it copied and distributed imposes "legally binding requirements" or "legal obligations," then PRO cannot meet its burden to prove that its use was fair. *Id.* at 442-43. PRO has not done the work the D.C. Circuit said it must. Plaintiffs asked PRO to identify, *inter alia*, which portions of each incorporated standard are alleged to impose binding legal obligations on individuals or entities. 2d Supp. SMF ¶¶ 30.

<sup>&</sup>lt;sup>1</sup> Plaintiffs move for summary judgment on 217 of their copyrighted standards ("Works"), identified in Appendix A, all of which PRO copied and freely distributed online.

Plaintiffs cite to their previously filed Statements of Material Fact, Dkt. 118-2 Plaintiffs' Statement of Material Facts ("SMF"), Supplemental Statements of Material Fact, Dkt. 155-1 ("Supp. SMF"), and supporting evidence. Plaintiffs have supplemented those statements of material facts with additional facts cited in Plaintiffs' Second Supplemental Statement of Material Facts ("2d Supp. SMF"), filed concurrently herewith.

<sup>&</sup>lt;sup>2</sup> Plaintiffs respectfully disagree with the D.C. Circuit's bases for reversing this Court's prior fair use ruling. Regardless, PRO cannot meet its burden under the fair use framework articulated by the D.C. Circuit.

PRO's response makes clear it will not be concerned with the D.C. Circuit's direction. PRO would say only that, if "[t]he entirety of [a] standard . . . is incorporated by reference," then PRO can copy and distribute en masse everything between the covers without concerning itself with what, if anything, between those covers imposes a legal duty. *Id.* ¶¶ 31-32 (quoting PRO Interrog. Resp. No. 19 at p. 14, *id.* No. 21, at p. 25). PRO cannot so shirk its obligations under the D.C. Circuit's opinion. That court could not have been clearer in rejecting PRO's contention that all standards incorporated by reference and all parts of those standards can be treated "*interchangeably*." *ASTM II*, 896 F.3d at 449 (emphasis added).

PRO cannot meet its burden to show fair use under the D.C. Circuit's legal test for *any* of the Works in issue here. For many of the Works, PRO has not identified authority (in the cover sheets that it places in front of its copies of the standards, or anywhere else) that incorporates the specific Work by reference *at all*. 2d Supp. SMF ¶¶ 36 (a), (c), (e)-(f), (k), (n), (p)-(u), (aa)-(dd), (hh), (qq), (vv), (iii), (nnn), (ppp). These are a subset of 95 (92 ASTM, 1 NFPA, 2 ASHRAE) Works for which PRO identifies inaccurate citations, including to regulations that do not exist and citations to authorities which incorporate a different or later version of the standard (*i.e.*, a different Work). *Id*. ¶¶ 36, 37, 41, 42. PRO cannot claim fair use as to these standards when it has not even identified an incorporation by reference. Moreover, PRO cites to authorities that incorporate standards in a manner that the D.C. Circuit said was unlikely to give rise to fair use, including as "discretionary reference procedure[s]" and as an obligation for public not private actors. *Id*. ¶¶ 43, 45-48; *ASTM II*, 896 F.3d at 443. Beyond that PRO's copying and posting is over-inclusive for each and every one of the Works, which all contain a mix of material, including portions that impose no legally binding obligation and thus are "not essential to complying with any legal duty." *Id*. at 450. Many portions—including background information

on the history of Plaintiffs or the standard, informational notes, diagrams, and explicitly nonbinding appendixes—impose no legal duties (or were not incorporated at all). 2d Supp. SMF ¶¶ 49, 50-56, 59-68. PRO cannot justify its indiscriminate copying as fair use.

PRO also cannot meet its burden to show that its mass use of Plaintiffs' logos and word marks qualifies for the affirmative trademark defense of nominative fair use, and PRO should be enjoined from doing so. If, as it says, PRO's goal is to tell the public what "the law" is in various jurisdictions, PRO could simply provide the name of the jurisdiction and how that jurisdiction names its codes without using Plaintiffs' logos and word marks.

PRO has no new facts and no new law to change or challenge this Court's prior conclusions as to ownership, copyright validity, or any of the other issues this Court decided in *Am. Soc'y for Testing & Materials v. Public.Resource.org, Inc.*, No. 13-CV-1215 (TSC), 2017 WL 473822 (D.D.C. Feb. 2, 2017) ("*ASTM I*"). Plaintiffs are entitled to summary judgment and a permanent injunction to stop PRO's mass exploitation of their copyrights and trademarks.

#### **BACKGROUND**

### A. Prior Proceedings In This Court

### 1. Factual Background

Plaintiffs filed this action in August 2013, seeking to enjoin PRO's mass copying and distribution of Plaintiffs' Works and PRO's infringement of Plaintiffs' trademarks.

Plaintiffs are self-funded nonprofit 501(c)(3) organizations that are part of a "complex public-private partnership" for the development of voluntary consensus standards in fields like public safety, building and construction, and product testing. *ASTM I*, 2017 WL 473822, at \*2; *see also* SMF ¶¶ 9, 86, 130. The standards Plaintiffs create are technical documents designed to be used by industry professionals. Congress has recognized and preserved this partnership through statute, encouraging federal agencies to incorporate by reference, pursuant to 5 U.S.C.

§ 552. *ASTM I*, 2017 WL 473822, at \*3. The creation of voluntary consensus standards and their incorporation by governmental entities "achieve several goals, including eliminating the cost to the federal [and state] government[s] of developing [their] own standards, encouraging long-term growth for U.S. enterprises, promoting efficiency, competition, and trade, and furthering the reliance upon private sector expertise." *Id.* (citing OMB Revised Circular, at 14); *see also, e.g.*, SMF ¶¶ 95-98, 265-69.

Plaintiffs support their overall mission-driving activities and recoup the substantial cost (often in the millions or tens of millions of dollars) of creating their standards the way that copyright owners generally do. They sell copies of the standards, including revised and updated versions, to members of the public who use them—typically, people in the affected industries who use the Works in their professional trade. *See ASTM I*, 2017 WL 473822, at \*4, 10-11; SMF ¶¶ 45-47, 106-08, 153-54. Without copyright protection, Plaintiffs "will face significant difficulty raising the necessary revenue to continue producing high-quality voluntary consensus standards." *ASTM I*, 2017 WL 473822, at \*13 (citing Plaintiffs' and amici's arguments). In addition to their sales and licensing activities, Plaintiffs make all of the Works available for free to the public on read-only websites they administer. 2d Supp. SMF ¶ 85.

PRO says it is devoted to "mak[ing] the law and other government materials more widely available so that people, businesses, and organizations can easily read and discuss [the] laws and the operations of government." *ASTM I*, 2017 WL 473822, at \*2 (quoting Dkt. 120-3, DSMF ¶¶ 1-2). Yet, as is clear from its conduct, PRO serves an ideological function much more than a practical one.<sup>3</sup> Before this litigation started, PRO copied the Works en masse, introducing errors

<sup>&</sup>lt;sup>3</sup> While PRO claims its goal is to disseminate "the law," PRO has engaged in a campaign to copy and publish copyrighted materials that are not government authored and impose no legal obligations, including annotations of decisions interpreting statutes (a matter now before the

in the process, either by scanning them and using optical character recognition software to convert images of the scanned pages into text; or by having untrained individuals retype and reformat the text into HTML, SMF ¶ 182, 185, 188-91, 195, 214-216. PRO posted its error-ridden copies of Plaintiffs' Works—which still bear Plaintiffs' word marks (and in some instances logos too)—on its website and on the Internet Archive, where any user could download, copy, or print them for free, without any restrictions on use of the standards or further dissemination. ASTMI, 2017 WL 473822, at \*3; SMF ¶ 23, 185, 201, 204. Plaintiffs' Works have been downloaded tens of thousands of times (or more) from the PRO and Internet Archive sites. SMF ¶ 241, 242; 2d Supp. SMF ¶ 98, 102.

# 2. This Court's Summary Judgment Decision And Permanent Injunction

Following nearly two years of intensive discovery, both sides moved for summary judgment on Plaintiffs' copyright and trademark infringement claims,<sup>4</sup> and Plaintiffs moved for a permanent injunction. This Court granted Plaintiffs' motion (as well as the Plaintiffs' summary judgment motion in the AERA case, *see* No. 14-cv-0857) and denied PRO's motion. The Court's opinion resolved numerous issues, the vast majority of which the D.C. Circuit did not disturb.

First, the Court rejected PRO's challenge to Plaintiffs' ownership of the Works. The Court held that Plaintiffs' production of registration certificates for the Works established a prima facie claim of copyright ownership, and that PRO failed to raise a triable issue on ownership. ASTM I, 2017 WL 473822, at \*6.

Supreme Court in *Georgia v. Public.Resource.Org, Inc.*, Case No. 18-1150 (to be argued December 2, 2019), and the Bluebook guide to legal citations, which Mr. Malamud purchased, rekeyed, and converted to XHTML, encouraging others to distribute it, *see* C. Malamud Ltr. to Dean M. Minow, Harvard Law School, *available at* <a href="https://law.resource.org/pub/us/code/blue/harvard.letter.pdf">https://law.resource.org/pub/us/code/blue/harvard.letter.pdf</a>.

<sup>&</sup>lt;sup>4</sup> Plaintiffs moved for summary judgment on nine representative Works. PRO moved for summary judgment on all of Plaintiffs' Works.

Second, the Court found no merit in PRO's claim that the standards were noncopyrightable "system[s]" or "method[s] of operation" under 17 U.S.C. § 102(b). The Court held that the standards "contain expression that is certainly technical but that still bears markings of creativity," and that "there are many possible forms of expression"—including competing standards—"through which the technical material in the standards could be conveyed." ASTM I, 2017 WL 473822, at \*9 (citations omitted).

Third, the Court rejected PRO's constellation of arguments that the copyrights in Plaintiffs' Works were "stripped upon the incorporation by reference." *Id.* at \*15. The Court found nothing in the Copyright Act (including 17 U.S.C. § 105, which says that "work[s] of the United States Government" may not be copyrighted) supporting that result. *Id.* at \*10. The Court further concluded that federal policy and legislation enacted against the backdrop of incorporation by reference embraced, and even encouraged, SDOs' copyrights while simultaneously ensuring the standards are "reasonably available to the class of persons affected thereby," 5 U.S.C. § 552(a)(1). *Id.* The Court rejected PRO's argument that common-law cases holding legal edicts authored by government officers in their capacities as such divested Plaintiffs' copyrights in their privately authored standards. *Id.* at \*11-14. And the Court further rejected PRO's arguments for divestiture based on merger and *scènes à faire. Id.* at \*15.

Fourth, the Court rejected PRO's affirmative defenses of fair use under copyright and trademark law. *Id.* at \*15-18, 20-24. These issues were the subject of the D.C. Circuit's opinion, which we discuss in the next section (and below in the argument section).

Fifth, the Court concluded that Plaintiffs had demonstrated that each of the permanent injunction factors favored that relief. *Id.* at \*24-25 (citing *eBay Inc. v. MercExchange*, *LLC*, 547 U.S. 388, 391 (2006)). There was no doubt that PRO's ongoing threat of continued copyright

infringement posed an irreparable injury and that money damages would be an inadequate remedy. *Id.* at \*24 (citing cases). The Court also concluded that the balance of harms and public interest favored an injunction. *Id.* at \*25.

#### B. The D.C. Circuit's Holdings And Directions For Remand

The D.C. Circuit reversed this Court's summary judgment order on the ground that the Court should reconsider PRO's copyright and nominative trademark fair use defenses under standards the D.C. Circuit articulated.

PRO's sole ground of appeal on copyright ownership was that the participation of federal government employees in the creation of certain standards rendered them noncopyrightable works of the U.S. Government. The D.C. Circuit rejected this argument on the ground that it was either "forfeited" (because PRO had not adequately presented it in the motions before this Court) or "meritless." *ASTM II*, 896 F.3d at 446.

On copyright validity, the D.C. Circuit declined to reach PRO's argument that incorporation stripped Plaintiffs' Works of copyright protection. The D.C. Circuit instead directed that this Court reconsider PRO's fair use defense. The D.C. Circuit faulted the parties for "treating the standards interchangeably," and directed reconsideration of PRO's defense on "a fuller record regarding the nature of each of the standards at issue, the way in which they are incorporated, and the manner and extent to which they were copied by PRO." *Id.* at 449.

On the first fair use factor—whether PRO's copying and distribution of Plaintiffs' Works is "transformative"—the D.C. Circuit set forth a sliding scale test: with respect to each portion of each Work that PRO used, the pertinent question is whether the copied material merely "help[ed] inform one's understanding of the law" or whether it was "essential to complying with [a] legal duty." *Id.* at 450. If the former, PRO's use would be "less transformative" and not supportive of "wholesale copying"; if the latter, the factor would support PRO's fair use defense.

*Id.* The D.C. Circuit provided further direction with respect to the remaining fair use factors, including directing this Court to answer three specific questions about the harm to Plaintiffs' potential markets and the value of the Works. *Id.* at 453.

On Plaintiffs' trademark infringement claims, the D.C. Circuit directed this Court to reconsider PRO's affirmative defense of nominative fair use. The D.C. Circuit said that "it may well be that PRO overstepped when it reproduced both ASTM's logo and its word marks," but that this Court's analysis of that defense would "provide valuable insight both into whether trademark infringement has occurred and, if so, how broad a remedy is needed to address the injury." *Id.* at 456-57.

### C. Proceedings And Facts Developed On Remand

Following the D.C. Circuit's decision, PRO reposted its versions of Plaintiffs' Works to the Internet Archive website. 2d Supp. SMF ¶ 11.

PRO did not do the standard-by-standard analysis that the D.C. Circuit instructed.

First, PRO has not produced any analysis of *how* the standards are incorporated by reference. For example, PRO did nothing to confirm that the Works in fact *are* incorporated by reference in the jurisdictions to which PRO cites on its cover pages and in its interrogatory responses (let alone whether they are *currently* incorporated by reference in the relevant jurisdiction). *See* 2d Supp. SMF ¶¶ 30-32. Nor has PRO analyzed how any incorporated by reference Work actually does (or does not) impose binding legal obligations on anyone. *See id*. Instead, PRO says that it "does not provide legal advice, and cannot provide advice regarding what legal obligations an individual or entity may face as a result of hundreds of different federal, state, and local laws," and it therefore does not engage in any analysis of which parts of standards have a legally binding effect. *Id*. ¶ 31 (PRO Interrog. Resp. No. 19 at p. 14).

Second, PRO has not shown that it is unable to paraphrase any (or any portions) of the standards or limit its postings to those portions of the standards actually essential to complying with a binding legal duty. Instead, PRO states, without analysis, that "[t]he entirety of each standard" at issue here, "is incorporated by reference into the law, and it is therefore necessary to reproduce the entire standard verbatim in order to accurately state what the law is." *Id.* ¶ 32 (quoting PRO Interrog. Resp. No. 21 at p. 25).

Instead of undertaking the prescribed standard-by-standard analysis and adjusting its activities accordingly, PRO responded to the D.C. Circuit's opinion by reposting wholesale copies of Plaintiffs' Works to the Internet Archive website. 2d Supp. SMF ¶ 11. Today, anyone can freely download, copy, print, edit, and redistribute PRO's copies of Plaintiffs' standards from the Internet Archive website, regardless of whether those standards merely "help inform one's understanding" or whether they are "essential to complying with" the law. ASTM II, 896 F.3d at 450; SMF ¶¶ 202, 209; 2d Supp. SMF ¶ 92. PRO has done nothing to ensure that individuals will not download Plaintiffs' Works and use them for commercial purposes. For instance, PRO does not use the Internet Archive's offerings that restrict access to content, i.e., "borrowing" offered through Internet Archive's Open Library initiative, whereby "registered users can borrow books for two weeks, after which the loaned item expires and is removed from the user's device," or encrypted access to Digital Accessible Information SYstem (DAISY) for eligible blind or print-disabled individuals. 2d Supp. SMF ¶¶ 108-09; see also Supp. SMF ¶¶ 1-3 (regarding the Chafee Amendment and libraries for the visually impaired). It is thus unsurprising that PRO's unauthorized copies of Plaintiffs' Works are available for purchase on the third-party website scribd.com. See 2d Supp. SMF ¶ 105-06.

Moreover, notwithstanding PRO's claimed ignorance regarding *who* downloads the Works or how they use the copies they have made, 2d Supp. SMF ¶ 104 (quoting PRO Interrog. Resp. No. 23 at p. 34), PRO's documents show that numerous industry professionals and tradespeople have contacted PRO about the standards it copies and posts, *id.* ¶ 93 (PRO\_00267293, engineer asking after remand from the D.C. Circuit, "Does Friday's decision mean you can update the site?"; PRO\_00267241, engineering firm saying it heard about PRO from a "colleague" and asking "How might we access the documents you offer?"); PRO Interrog. Resp. No. 22 at p. 29). Of course, these are the same people who use Plaintiffs' standards as part of their professional work—and who otherwise would either purchase a copy or access the relevant standard through Plaintiffs' free access websites. *Id.* ¶¶ 77, 93-94.

Other evidence confirms that PRO's postings of Plaintiffs' Works compete with and substitute for Plaintiffs' sales and offering of standards on their free access websites, harm that will increase if PRO is not enjoined. *Id.* ¶¶ 91-104. Internet Archive's website is ranked in the top 300 websites around the world and reaches millions of people. *Id.* ¶ 103. As just one example, when Plaintiffs last moved for summary judgment, the 2011 NEC had been downloaded 30,350 times from the Internet Archive through February 2015. SMF ¶ 242. As of October 4, 2019 (approximately 13 months since PRO reposted the NEC to the Internet Archive website), the number is 40,151 and counting—meaning in just over a year, there have been nearly 10,000 *additional* downloads. 2d Supp. SMF ¶ 102. The harm to Plaintiffs is growing.

#### ARGUMENT

#### II. PLAINTIFFS ARE ENTITLED TO SUMMARY JUDGMENT ON THEIR COPYRIGHT CLAIMS

### A. Plaintiffs Own Valid Copyrights In The Works

This Court already has ruled that Plaintiffs own copyrights in nine Works that were the subject of Plaintiffs' previous motion for summary judgment. *See ASTM I*, 2017 WL 473822, at

\*7 ("Plaintiffs are the owners of the copyrights at issue and have standing to bring their claims."). Plaintiffs' registration certificates create a presumption of validity and ownership with respect to both Plaintiffs' individually registered works and to the original works that comprise Plaintiffs' registered compilations. 

\*Id. at \*6-7; 17 U.S.C. § 410(c); \*MOB Music Publ'g. v. Zanzibar on the Waterfront, LLC, 698 F. Supp. 2d 197, 202 (D.D.C. 2010). Plaintiffs have registration certificates for each of the Works. 2d Supp. SMF ¶¶ 1-10. PRO's sole challenge to the ownership ruling was that the participation of government employees on some technical committees for developing standards rendered the Works noncopyrightable. The D.C. Circuit rejected that argument as either "forfeited" or "meritless." \*ASTM II, 896 F.3d at 446. This Court's prior ownership rulings are therefore law of the case for the nine Works on which Plaintiffs previously moved. \*Trout v. Garrett, 780 F. Supp. 1396, 1425 & n.71 (D.D.C. 1991).

The reasoning of the Court's prior decision applies with equal force to the other 208 standards in this motion. As with the previous standards, PRO has not and cannot come forward with any "evidence *disproving* Plaintiffs' authorship." *ASTM I*, 2017 WL 473822, at \*7; *see also Zanzibar*, 698 F. Supp. 2d at 202; *Roeslin v. District of Columbia*, 921 F. Supp. 793, 797 (D.D.C. 1995) (finding that because the copyright registration listed plaintiff as the author, the "burden is thus on the defendant to establish" that plaintiff was not the author).<sup>6</sup> And this Court

<sup>&</sup>lt;sup>5</sup> NFPA and ASHRAE's registrations and certain of ASTM's registrations were effective within five years of first publication of the Works. 2d Supp. SMF ¶¶ 7, 9, 10. As to the ASTM Works that were registered more than five years after the date of first publication, the Court already correctly determined that it will "accord[] these [registrations] the same evidentiary weight as if they had been registered within five years." *ASTM I*, 2017 WL 473822, at \*7 (citing 17 U.S.C. § 410(c)).

<sup>&</sup>lt;sup>6</sup> To the extent PRO's challenges to copyrightability were not forfeited, the D.C. Circuit reserved those questions for a future panel on "another day" and they are not the subject of this remand. *ASTM II*, 896 F.3d at 441 ("Because the district court erred in its application of both fair use doctrines, we reverse and remand, leaving for another day the far thornier question of whether standards retain their copyright after they are incorporated by reference into law.").

has already thoroughly considered and rejected PRO's arguments regarding copyrightability under § 102(b) and the effect of incorporation by reference on copyright. *See ASTM I*, 2017 WL 473822, at \*7. There is no basis for reconsidering the Court's prior rulings now.

# B. PRO Cannot Meet Its Burden To Show That Its Indiscriminate, Wholesale Copying Of Plaintiffs' Works Is Fair Use

The D.C. Circuit remanded for consideration of whether PRO's use—on a standard-by-standard basis—qualifies as "fair" under 17 U.S.C. § 1077 as the D.C. Circuit construed that provision in this case. To be clear, Plaintiffs respectfully disagree that this Court's prior fair use determination was incorrect, or that the D.C. Circuit's delineation of the fair use factors is correct under the law of fair use as articulated by the Supreme Court and other courts around the country. Recognizing that the D.C. Circuit's opinion is the law of the case and must be followed on remand, Plaintiffs respectfully reserve their disagreements for further appellate proceedings.

But even under the D.C. Circuit's test, PRO's fair use defense cannot succeed. As the party claiming the affirmative defense of fair use, PRO carries both the evidentiary burden and ultimate burden of proof here. *Campbell v. Acuff-Rose Music, Inc.*, 510 U.S. 569, 590 (1994); *Fox News Network, LLC v. TVEyes, Inc.*, 883 F.3d 169, 176 (2d Cir. 2018). At summary judgment, PRO must "make a sufficient showing" to establish its fair use defense. *Celotex Corp. v. Catrett*, 477 U.S. 317, 323 (1986). If PRO cannot meet its burden on the balance of factors, its defense fails at summary judgment. *See Worldwide Church of God v. Philadelphia Church of God, Inc.*, 227 F.3d 1110, 1120 (9th Cir. 2000) (no fair use when first three factors weighed

<sup>&</sup>lt;sup>7</sup> Fair use has four statutory considerations: "(1) the purpose and character of the use, including whether such use is of a commercial nature or is for nonprofit educational purposes; (2) the nature of the copyrighted work; (3) the amount and substantiality of the portion used in relation to the copyrighted work as a whole; and (4) the effect of the use upon the potential market for or value of the copyrighted work." 17 U.S.C. § 107.

against fair use and fourth was, at best, neutral); *TVEyes*, 883 F.3d at 181 (no fair use when first factor "slightly" favored fair use, second was neutral, and remaining two weighed against it).

1. Factor 1: PRO's Use Is Not Transformative, Its Purpose Is The Same Purpose That Plaintiffs Already Serve, And PRO Fails To Satisfy The D.C. Circuit's "Essential To Comply With Any Legal Duty" Test

The first fair use factor requires courts to consider "the purpose and character of the use." 17 U.S.C. § 107(1).8 The D.C. Circuit remanded for consideration of "whether, in certain circumstances, distributing copies of the law for purposes of *facilitating public access* could constitute transformative use." *ASTM II*, 896 F.3d at 450 (emphasis added).

PRO's wholesale copying and public distribution is not a transformative use. First, PRO "merely repackages or republishes the [Works]," *TVEyes*, 883 F.3d at 177 (citations omitted); and PRO's alleged purpose of "facilitating public access" does not render that repackaging transformative because Plaintiffs have the same informative purpose—and, indeed, achieve that end more accurately than PRO does. Second, PRO cannot meet its burden to show that what it has copied and distributed is essential to complying with a legal duty. For 95 (93 ASTM, 1 NFPA, 2 ASHRAE) of the standards, the regulation on which PRO relies *does not* incorporate by reference the specific Work PRO posted. 2d Supp. SMF ¶¶ 36, 37, 41-42. PRO has done nothing to determine the effect of the incorporation by reference authority and whether it is of a kind that the D.C. Circuit said was unlikely to give rise to fair use. *ASTM II*, 896 F.3d at 442-43, 447 (describing, e.g., "discretionary reference procedure[s]"). Even where PRO can show that an incorporation by reference imposes some legal obligation to comply with portions of a

<sup>&</sup>lt;sup>8</sup> Although the D.C. Circuit reversed this Court's ruling on the commercial nature of PRO's use, the fact that it is a nonprofit does not make its use transformative: "the absence of a commercial use merely eliminates the presumption of unfairness." *See Worldwide Church of God*, 227 F.3d at 1117 (citing *Campbell*, 510 U.S. at 584, "[T]he mere fact that a use is educational and not for profit does not insulate it from a finding of infringement . . . .").

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standard, PRO copied the standards wholesale, including portions that have *not* been incorporated by reference or that are *not* "essential to complying with any legal duty." *Id.* at 450.

a. PRO's alleged goal of facilitating access is not transformative because Plaintiffs already serve this purpose.

A transformative use "adds something new, with a further purpose or different character" from the original work. *Campbell*, 510 U.S. at 579. It is not enough that the use "add[s] value or utility." *Authors Guild, Inc. v. HathiTrust*, 755 F.3d 87, 96 (2d Cir. 2014). The question instead is whether a defendant's use of a work "serves a new and different function from the original work and is not a substitute for it." *Id.*; *see also Worldwide Church of God*, 227 F.3d at 1120 (translation not fair use). "[A] use of copyrighted material that 'merely repackages or republishes the original' is unlikely to be deemed a fair use." *TVEyes*, 883 F.3d at 177 (quoting *Infinity Broad. Corp. v. Kirkwood*, 150 F.3d 104, 108 (2d Cir. 1998) (quoting Pierre N. Leval, *Toward a Fair Use Standard*, 103 Harv. L. Rev. 1105, 1111 (1990)).

The D.C. Circuit affirmed this Court's rejection of PRO's argument that its use of Plaintiffs' Works was transformative because PRO provides them to the public in a centralized collection or in different formats, *e.g.*, making copies more accessible to the visually impaired. See ASTM II, 896 F.3d at 450 (citing Am. Geophysical Union v. Texaco Inc., 60 F.3d 913, 923-24; see also Soc'y of the Holy Transfiguration Monastery, Inc. v. Archbishop Gregory of Denver, Colorado, 685 F. Supp. 2d 217, 227 (D. Mass. 2010), aff'd 689 F.3d 29 (1st Cir. 2012) ("A simple repackaging of a work in a new format... is not transformative when the result is simply a mirror image reflected on a new mirror.").

PRO must therefore show its purpose—"to make the law and other government materials more widely available," *ASTM II*, 896 F.3d at 444 (quoting Dkt. 121-5, Malamud Decl. ¶ 4)—transforms the Work by "add[ing] something new," *TVEyes*, 883 F.3d at 176 (citing *HathiTrust*,

755 F.3d at 96). It cannot. PRO does not serve a purpose that is meaningfully different from Plaintiffs' purpose in providing free, read-only access to the same incorporated Works. *See* 2d Supp. SMF ¶ 86. Plaintiffs' offerings allow anyone to easily view incorporated by reference standards online for free. 2d Supp. SMF ¶ 85. Their dissemination of the information goes beyond that, including NFPA's "Free Access Widget," that allows organizations—such as government entities that have incorporated by reference NFPA standards—to embed an imaged link on their websites, directing visitors to the free copies of NFPA standards on the NFPA website. *See* SMF ¶ 101. Plaintiffs view this provision of information as educational and central to their overall mission. <sup>9</sup> 2d Supp. SMF ¶ 86-87.

Moreover, Plaintiffs better serve PRO's professed purpose of informing the public about "the law" because Plaintiffs' versions (a) are authentic copies, which reflect rigorous quality assurance review, whereas PRO's versions *still* contain errors; and (b) provide (as PRO admits) more accurate information regarding the incorporation status of each posted standard. The principal difference between the way Plaintiffs make the standards freely accessible and the way PRO does is one of formatting: Plaintiffs make the standards available for online access in read-

 $<sup>^9</sup>$  NFPA also created the CodeFinder<sup>TM</sup> tool, which is designed to "creat[e] general public awareness of some of the jurisdictions" that "may require the use of NFPA codes and/or standards." 2d Supp. SMF  $\P$  90.

and rekeying techniques. See 2d Supp. SMF ¶¶ 13-18. PRO postings include other inaccuracies, such as citations to federal regulations that do not exist, see 2d Supp. SMF ¶ 37 (PRO's Internet Archive posting of the 2000 edition of NFPA 101, states that it has been posted "By Authority of the Code of Federal Regulations: 59 CFR 130," but there is no title 59 to the C.F.R.), and to superseded and incorrect standards, 2d Supp. SMF ¶¶ 36, 38-40 (e.g., PRO posted the 1982 version of ASTM E23, where 46 C.F.R. § 56.50-105(a)(1)(ii) incorporates the 1996 version, 2d Supp. SMF ¶ 36(fff)). PRO has expressly acknowledged that it is Plaintiffs—and not PRO's postings—that provide the best source for authoritative standards, "urg[ing]" visitors to consult "with the standards organizations" to access "definitive versions of these important laws." 2d Supp. SMF ¶ 20. PRO's implicit recognition that its postings are not accurate undermines its claim of transformative use. Its postings are an inferior substitute for the versions of the standards that Plaintiffs already make available to the public on their websites.

only format. PRO, in contrast, makes the entire published standard available for printing and copying, without restrictions on further redistribution. *See* 2d Supp. SMF ¶92. PRO "essentially republishes [Plaintiffs'] content unaltered from its original form, with no 'new expression, meaning or message'"—a use that is substitutional and not transformative. *TVEyes*, 883 F.3d at 178 (quoting *HathiTrust*, 755 F.3d at 96 (quoting *Campbell*, 510 U.S. at 579)) (citing *Kirkwood*, 150 F.3d at 106 (transmitting unaltered radio broadcasts in real time over telephone lines not transformative); *Video Pipeline, Inc. v. Buena Vista Home Entm't, Inc.*, 342 F.3d 191, 199-200 (3d Cir. 2003) (streaming previews of movies without commentary not transformative)).

b. PRO cannot meet its burden to show that its postings of Plaintiffs' standards are essential to complying with a legal duty.

In remanding for this Court to make standard-by-standard determinations, the D.C. Circuit recognized that the incorporation by reference process varies and incorporation *per se* does not justify copying and distribution as fair use. *ASTM II*, 896 F.3d at 442. The D.C. Circuit drew a distinction between whether the specific portions of the standard PRO copied and distributed is "essential to complying with [one's] legal duty," as compared to just "help[ing] inform one's understanding of the law." *Id.* at 450 (emphasis added). Despite the D.C. Circuit's clear mandate, PRO refused to do any standard-by-standard or grouping-of-standards (let alone portion-by-portion) analysis. It has, instead, insisted that *all* standards incorporated by reference are "the law" and it is entitled to post *all* of those standards verbatim. <sup>11</sup> 2d Supp. SMF ¶¶ 31-32

Indeed, PRO's absolutist position may be even more extreme than it appears on its face. Many standards incorporate other standards by reference, which may in turn reference other standards. 2d Supp. SMF ¶ 69. The logical conclusion of PRO's position is that *any* jurisdiction's incorporation of *any* portion of a standard would lead to an unrestricted fair use to copy and distribute dozens of other standards that are cross-referenced in their entirety. That result cannot be squared with the D.C. Circuit's standard-by-standard approach and insistence that the standards could not be treated "interchangeably." *ASTM II*, 896 F.3d at 449. Such a "fair use" result also would put the United States out of compliance with its international obligations under Art. 13 of the WTO TRIPS Agreement, which requires that the United States

(PRO Interrog. Resp. No. 19 at p. 14, Resp. No. 21 at p. 25). 12 Based on the undisputed evidence, PRO cannot meet its burden of proving that everything PRO copied and distributed is "essential to complying with any legal duty." ASTM II, 896 F.3d at 450 (emphasis added).

1. As a threshold matter, many of the Works are not incorporated by the regulation(s) PRO identifies in the cover sheets that it places in front of its copies, and PRO has failed to identify any other incorporating reference. 2d Supp. SMF ¶¶ 36 (a), (c), (e)-(f), (k), (n), (p)-(u), (aa)-(dd), (hh), (qq), (vv), (iii), (nnn), (ppp). These are a subset of the 95 (92 ASTM, 1 NFPA, 2 ASHRAE) of PRO's cover sheets that include inaccurate citations, also including when PRO's cited authority actually incorporates a different or later version of the standard at issue. *Id.* ¶¶ 36, 37, 41-42. PRO cannot claim fair use as to these standards when it has not even met its burden to identify an incorporation by reference.

Even those Works where PRO has identified some incorporation by reference, many are similar to those that the D.C. Circuit specifically identified as unlikely to give rise to fair use. This set includes "discretionary reference procedure[s]" that are incorporated in such a manner as to be optional or references—*i.e.*, "helpful" but not "essential," ASTM II, 896 F.3d at 447, 450 (emphasis added), as well as optional standards and standards that do not govern private conduct.

For example, 40 C.F.R. § 86.113-04(a)(1)<sup>13</sup> incorporates ASTM D86-07, the "Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure."

<sup>&</sup>quot;shall confine limitations or exceptions to exclusive rights to certain special cases which do not conflict with a normal exploitation of the works and do not unreasonably prejudice the legitimate interest of the right holder."

<sup>&</sup>lt;sup>12</sup> PRO cannot attempt to backtrack from this sworn admission now through belated analysis. *See Kizas v. Webster*, 492 F. Supp. 1135, 1147 (D.D.C. 1980), *aff'd*, 770 F.2d 524 (D.C. Cir. 1983) (rejecting contradictory evidence as "last-minute effort by the defendants to raise an issue of material fact precluding summary judgment").

2d Supp. SMF ¶ 45. But as the D.C. Circuit explained, this standard is incorporated "as a '[r]eference procedure' used by the Environmental Protection Agency and regulated motor-vehicle manufacturers." *ASTM II*, 896 F.3d at 450. It "merely tells the regulated entity how it can ensure that the gasoline it uses in fact satisfies the codified requirements." *Id*.

As another example, PRO identifies 40 C.F.R. Appendix D to Part 75, the "Optional S02 Emmissional Data Protocol for Gas-Fired and Oil-Fired Units" as the regulation incorporating ASTM standard D1217-93, the "Standard Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer." 2d Supp. SMF ¶ 46. This regulation incorporates the standard to be exactly what it says—*optional*. Subsection 2.2.4.3(d) provides an alternative procedure for sampling oil from shipment tanks or containers and testing samples for density, of which D1217-93 is just one. *See* 40 C.F.R. §§ 2.2.4.3(d), 2.2.6 (cross-referencing other standards in Part 60). Each of these is an option, provided as a reference point, but none of the many options is itself legally binding. This is true for other ASTM Works as well. *See* 2d Supp. SMF ¶ 47 (listing examples).

In the same manner as the discretionary or optional incorporations by reference, each of the NFPA Works contain explicitly "Permissive [R]ules," which are "those that identify actions that are allowed but not required," and "are normally used to *describe options or alternative methods.*" 2d Supp. SMF ¶ 57 (2014 NEC at art. 90-5(B)). Such optional rules are delineated "by the use of the terms *shall be permitted* or *shall not be required.*" *Id.* An example of such an optional rule is article 324.56(A) of the 2014 NEC regarding FCC Systems Alterations, which

<sup>&</sup>lt;sup>13</sup> Notably, PRO identifies only 40 C.F.R.  $\S$  1065.710 as incorporating D86-07. *See* 2d Supp. SMF  $\P$  36(oo). This identification is incorrect; 40 C.F.R.  $\S$  1065.710 incorporates the 2012 version of D86, not the 2007 version PRO posted. *See* 40 C.F.R.  $\S$  1065.710; 1065.1010.

states "Alterations to FCC systems shall be permitted." *Id.* at art. 324.56(A). There is no binding legal obligation in telling the installer of electrical equipment they can make alterations.

Further, some of the incorporations by reference "have no direct legal effect on any private party's conduct." *ASTM II*, 896 F.3d at 443. As just one example, ASTM A 307 is incorporated by reference in 46 C.F.R. § 56.25-20(b), which governs the design, construction, and installation of marine vessel piping systems. 2d Supp. SMF ¶ 49. The regulation provides that, with respect to bolts used in ships' and barges' piping systems, "[w]hen class 250 cast iron flanges are used or when class 125 cast iron flanges are used with ring gaskets, the bolting material must be carbon steel conforming to ASTM A 307 (incorporated by reference, *see* 46 CFR § 56.01-2), Grade B." 46 C.F.R. § 56.25-20(b). The persons governed by that regulation—those who design, construct and install piping systems in marine vessels—do not need access to ASTM A 307 to comply with this regulation. They simply have to purchase bolt that are designated as A 307, Grade B; they do not need to know how to manufacture such bolts.

Likewise, the D.C. Circuit recognized that the case for fair use was lessened where a standard was incorporated in such a way to only trigger *public* and not *private* obligations. *ASTM II*, 896 F.3d at 443 (these standards are "incorporated for the purpose of triggering agency obligations," *see*, *e.g.*, 42 U.S.C. § 6833(b)(2)(A) ("Whenever . . . [ASHRAE] Standard 90.1-1989 . . . [is] revised, the Secretary [of Energy] shall . . . determine whether such revision will improve energy efficiency in commercial buildings."), or establishing regulatory floors, *see*, *e.g.*, *id.* § 6833(b)(2)(B)(i) ("If the Secretary makes an affirmative determination," each state shall

<sup>&</sup>lt;sup>14</sup> Likewise, NFPA standards include provisions that explicitly provide for discretion and dictate that there are alternative options for compliance. For example, the National Fuel Gas Code (2006 ed.) states: "The provisions of this code are not intended to prevent the use of any material, method of construction, or installation procedure not specifically prescribed by this code, provided any such alternative is acceptable to the authority having jurisdiction." 2d Supp. SMF ¶ 58. It is the authorities, not Plaintiffs, who decide what is ultimately required.

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have two years to "certify that it has reviewed and updated the provisions of its commercial building code regarding energy efficiency" such that its code "meet[s] or exceed[s] [the] revised standard."). Here, PRO's proffered evidence of ASHRAE 90.1 being incorporated by reference (*i.e.*, the cover sheets) points to incorporation of Standard 90.1 into 10 C.F.R. § 433.4, which states "[a]ll Federal agencies shall design new Federal buildings" that meet the ASHRAE standards, but does not impose a similar requirement on private actors. 2d Supp. SMF ¶ 43.

PRO's wholesale copying of these nonbinding standards is not at all tailored to that which is *essential* to complying with private legal duties, nor does PRO limit its dissemination in any other relevant respect, such as to those individuals who are governed by even these optional references. *Cf. Authors Guild v. Google, Inc.*, 804 F.3d 202, 222 (2d Cir. 2015) ("*Google Books*") (limiting features of use "substantially protects against its serving as an effectively competing substitute"); *HathiTrust*, 755 F.3d at 91 (print-disabled "patron[s] must obtain certification of [their] disability from a qualified expert"). Its conduct therefore does not fall within the limited circumstances the D.C. Circuit posited could be a transformative purpose.

2. Under the D.C. Circuit's holding, even where there is some incorporation by reference that imposes a legal obligation on some individual, PRO cannot show a transformative use for publishing the *entire* standard. The D.C. Circuit explained that PRO might be able to show a transformative use *only if* it limited its posting to "the relevant portions of that particular standard." ASTM II, 896 F.3d at 450. PRO has posted entire standards indiscriminately, stating (incorrectly) that "[t]he entirety of each standard... is incorporated by reference into the law, and it is therefore necessary to reproduce the entire standard verbatim in order to accurately state what the law is." 2d Supp. SMF ¶¶ 31, 32 (PRO Resp. to Interrogs. 19, 21.). PRO cannot

<sup>&</sup>lt;sup>15</sup> Even then, the D.C. Circuit required "[f]aithfully reproducing the relevant text." *ASTM II*, 896 F.3d at 451. PRO's versions are not accurately reproduced. 2d Supp. SMF ¶¶ 13-19.

meet its burden under the D.C. Circuit's test. Here are just a few examples where the regulation cited by PRO only incorporates a portion of a standard:

- **ASTM B122/B122M:** PRO Identifies 46 C.F.R. § 119.440 as the incorporating by reference regulation, but that regulation only incorporates B122/B122M with respect to copper alloy C71500, one of eleven copper alloys addressed in the standard. The portions of the standard related to the other ten copper alloys are unnecessary to understand the minimum thickness for copper alloy C71500.
- ASTM B85-96: PRO identifies 46 C.F.R. § 56.60-2 as the incorporating by reference regulation, but that regulation only incorporates one table within ASTM B85-96—table X-2—and states that "[t]ension tests shall be performed to determine tensile strength, yield strength, and elongation" in accordance with the minimum value in X-2. The remainder of the standard is unnecessary to determine the minimum value in X-2. Table X-2 also contains values for sheer strength and fatigue strength that are unnecessary to understand the minimum value for the required tension tests.
- **ASTM E145-94 (2001):** PRO identifies 40 C.F.R. § 63.14 as the incorporating by reference regulation, but Appendix A to Subpart PPPP of 40 C.F.R. § 63.14 references only forced draft oven types IIA or IIB. The ASTM E145-94 (2001) standard addresses other types of forced draft ovens.

These examples are representative of other Works where PRO posted the entire standard, but only a portion is actually incorporated by reference into law. 2d Supp. SMF ¶ 48.

Likewise, the D.C. Circuit said fair use was not likely for material that merely "help[s] inform one's understanding of the law [without being] essential to complying with any legal duty." *ASTM II*, 896 F.3d at 450. That is exactly the case for PRO's wholesale copying of Works, all of which include substantial material that either has nothing to do with compliance or is certainly not "essential" to complying with a legal obligation. 2d Supp. SMF ¶¶ 48-56 (ASTM), 59-68 (NFPA), 70-76 (ASHRAE).

As just one example, NFPA 70 includes at least the following material that decidedly does not impose any legal obligation:

• **Prefatory Notices and Background Information:** NFPA 70 includes notices and disclaimers, as well as an introductory note that gives information on the

background and history of the standard. 2d Supp. SMF ¶¶ 62, 63 (e.g., Supp. Pauley Decl. Ex. P (NFPA 70, 2014 ed.) at NFPA-PR0098062-64).

- Reference and Informational Notes: NFPA 70 includes hundreds of "Informational Notes" that provide context, background, cross-references, and other explanatory material. The NEC expressly states that these Notes "are informational only and are not enforceable as requirements of this Code." Id. ¶64 ((e.g., Supp. Pauley Decl. Ex. P (NFPA 70, 2014 ed.) at art. 90.5(C)). Examples include Informational Note No. 2: "Some cleaning and lubricating compounds can cause severe deterioration of many plastic materials used for insulating and structural applications in equipment." Id. at art. 300.20(B) (Note).
- **Diagrams, Figures, and Illustrations:** NFPA 70 includes figures that illustrate concepts in the text, but that do not dictate any legal duty. For example, 2011 NEC, Figure 220.1 provides a graphical overview of the organization of Article 220. *Id.* ¶ 65 (e.g. Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at 70-61). PRO could explain that organizational structure in its own words or offer a different way of visualizing the Article's structure. The Figure may be "help[ful]" in "inform[ing] one's understanding" of the text, but the Figure itself does not dictate any independent requirements. *ASTM II*, 896 F.3d at 450.
- Examples: NFPA 70 includes numerous examples, such as art. 550.4(A), which is a list of examples of a mobile home not intended as a dwelling unit: "those equipped for sleeping purposes only, contractor's on-site offices, construction job dormitories, mobile studio dressing rooms, banks, clinics, mobile stores, or intended for the display or demonstration of merchandise or machinery." 2d Supp. SMF ¶ 66 (e.g. Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at art. 550.4(A); see also id. art. 552.47(A)). These illustrative examples do not impose any requirement.
- Informational Annexes: NFPA 70's informational annexes contain material that "is not a part of the requirements of this NFPA document but is included for informational purposes only." 2d Supp. SMF ¶ 67 (e.g., Supp. Pauley Decl. Ex. P at Annex A). Some informational annexes contain information that is not binding unless "specifically adopted." Id. at Annex H.

All of NFPA's Works contain some or all of these nonbinding portions. 2d Supp. SMF ¶¶ 59-68 (listing examples for all NFPA standards).

ASTM's standards also contain numerous nonbinding portions. Many of ASTM's standards contain appendices that are expressly labeled "Non-mandatory Information." 2d Supp. SMF ¶¶ 51(a), 52. Such appendices contain explanatory information that is not required to

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perform the standard's requirements. *Id.* Additionally, ASTM standards contain supplemental sections including: explanatory notes, summaries, significance and use sections, keywords, definitions, terminology, classification, cited references, and metric conversions. *Id.* ¶¶ 51(e), 55. These resources are nonbinding aids. *Id.* A number of ASTM's standards contain a Supplemental Requirements section that states: "The following supplementary requirements shall apply only when specified by the purchaser in the inquiry, contract or order, for agencies of the U.S. Government." *Id.* ¶¶ 51(e), 56. Additionally, as ASTM's committees are frequently updating and revising its standards, many of ASTM's standards include a summary of changes, and those summaries are nonbinding. *Id.* ¶¶ 51(b)-(c), 53-54. In many instances, ASTM publishes a metric version of its standards. In numerous instances, PRO copied and distributed the entire metric version in addition to the nonmetric version, where the metric version was not referenced by the regulation. *Id.* ¶ 35.

Similarly, all three of the ASHRAE Standards at issue in this case contain forewords, information about ASHRAE and its Standards-creation process, ASHRAE policy statements, and other information that could impose no legal obligation. 2d Supp. SMF ¶¶ 70-76. The ASHRAE Standards even contain multiple "Informative Appendices," which are expressly labeled as not being part of the Standards and just for informational purposes. *Id.* ¶¶ 72-74. PRO copied and posted those too.

PRO's wholesale copying of these non-mandatory portions takes far more than necessary under the D.C. Circuit's test and is therefore not fair use. PRO could have written its own paraphrased material, drawn its own figures, or omitted nonbinding portions. PRO has shown itself fully capable of excising portions of Plaintiffs' Works, as it has done in removing many of

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Plaintiffs' logos. But PRO did none of these things when it came to copying Plaintiffs' Works. It instead copied and distributed the entirety of the text verbatim.

# 2. Factor 2: Plaintiffs' Copyrighted Works Are Important To Advance The Progress Of Science And The Useful Arts

The second factor considers "the nature of the copyrighted work." 17 U.S.C. § 107(2). While often framed as a dichotomy between fictional vs. factual expression, the ultimate goal of copyright is to "promote the Progress of Science and the useful Arts." U.S. Const. art. I, § 8, cl. 8. Copyright in each of Plaintiffs' Works serves the end of advancing the progress of science, technical and technological advancement, as well as public safety. *See ASTM I*, 2017 WL 473822, at \*17 (D.D.C. 2017).

The D.C. Circuit agreed, *ASTM II*, 896 F.3d at 451, but added that this factor may vary with the extent to which the particular copyrighted Work imposes a legally binding obligation, *id.* at 452. On this factor, PRO must justify its copying by demonstrating the legally binding nature of each standard (or portion of standard) PRO has copied. PRO does not and cannot satisfy this burden. As explained above, PRO fails to meet its burden by not citing or citing incorrect authorities to even make a threshold showing that 96 Works were incorporated by reference. 2d Supp. SMF ¶¶ 36, 37. Even then, PRO copied standards that are incorporated in a discretionary or optional manner. *Id.* PRO also copied the entirety of the Works verbatim, including portions not incorporated by reference, and portions that impose no legal duty. *Id.* ¶¶ 48-56, 59-68, 70-76. The second fair use factor weighs against a finding of fair use.

# 3. Factor 3: PRO Copies The Entirety Of The Works—It Does Not Even Attempt To Limit Its Copying And Distribution To Portions Of Standards That Are Essential To Complying With The Law

The third fair use factor looks to "the amount and substantiality of the portion used in relation to the copyrighted work as a whole." 17 U.S.C. § 107(3). "While 'wholesale copying"

like PRO's "does not preclude fair use *per se*,' copying an entire work 'militates against a finding of fair use." *Worldwide Church of God*, 227 F.3d at 1118 (emphasis added); *see also Harper & Row Publishers, Inc. v. Nation Enters.*, 471 U.S. 539, 565 (1985) ("the fact that a substantial portion of the infringing work was copied verbatim is evidence of the qualitative value of the copied material"). "[T]he extent of permissible copying varies with the purpose and character of the use," *Campbell*, 510 U.S. at 586-87; but "[t]he larger the quantity of the copyrighted text the [user] can see and the more control the [user] can exercise over what part of the text she sees, the greater the likelihood that those revelations could serve her as an effective, free substitute for the purchase," *Google Books*, 804 F.3d at 222. The D.C. Circuit therefore instructed this Court to consider whether PRO had "limit[ed] its copying to only what is required to fairly describe the standard's legal import." *ASTM II*, 896 F.3d at 452.

PRO has not even attempted to so limit its copying, either in what it posts online or to whom it disseminates the Works. As explained above, PRO's wholesale, indiscriminate copying sweeps in provisions not incorporated by reference, provisions that do not impose legal obligations on individuals, and simply informative portions. *See*, Section I.B.1.b *supra*. PRO's copying and distribution of large quantities of material that "does not govern any conduct" makes this factor lean decidedly in Plaintiffs' favor. *ASTM II*, 896 F.3d at 452; *see also Google Books*, 804 F.3d at 222 (third factor turned on fact that defendant "does not reveal matter that offers the marketplace a significantly competing substitute for the copyrighted work").

# 4. Factor 4: PRO's Substitutional Use Undermines The Actual And Potential Markets for Plaintiffs' Works

The fourth fair use factor—harm to the copyright owner's "potential market[s]" or the "value of the copyrighted work," 17 U.S.C. § 107(4)—requires the Court to consider "whether unrestricted and widespread conduct of the sort engaged in by the defendant . . . would result in a

substantially adverse impact on the potential market" for both the original and derivative works. *Campbell*, 510 U.S. at 590 (quoting 3 M. Nimmer & D. Nimmer, Nimmer on Copyright § 13.05[A][4] (1993)); *Harper & Row Publishers*, 471 U.S. at 568. It is "[PRO's] burden to affirmatively establish that [its] conduct could not even 'potentially' harm the Plaintiffs' market." *ASTM I*, 2017 WL 473822, at \*18; *see also Cambridge Univ. Press v. Patton*, 769 F.3d 1232, 1276 (11th Cir. 2014) ("The central question... is not whether Defendants' use of Plaintiffs' Works caused Plaintiffs to lose some potential revenue. Rather, it is whether Defendants' use—taking into account the damage that might occur if 'everybody did it'—would cause substantial economic harm such that allowing it would frustrate the purposes of copyright by materially impairing Defendants' incentive to publish the work."). It is "difficult[]" for a defendant like PRO to meet its burden of proving fair use if it does not present "favorable evidence about relevant markets." *Campbell*, 510 U.S. at 590. PRO cannot meet its burden because the undisputed expert testimony, and an application of the D.C. Circuit's guidance, demonstrate that PRO's conduct harms Plaintiffs' potential market.

In addition to this traditional fair use analysis, the D.C. Circuit said this Court should consider three questions relating to this factor. Addressing each question in turn demonstrates that, as the Supreme Court contemplated in *Campbell*, PRO cannot meet its burden of demonstrating this factor weighs in its favor.

First, the D.C. Circuit urged consideration of whether PRO's activities could lead to "additional [market] harm" where Plaintiffs themselves offer free access online "presumably... without entirely cannibalizing sales of their standards." *ASTM II*, 896 F.3d at 453. Plaintiffs' provision of free online access *furthers* their market for disseminating their Works, both as a matter of logic and evidence. Plaintiffs offer their standards in a read-only

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format: this carefully controlled environment, designed to be educational and informational, does not substitute or compete in the commercial marketplace for the sale of less restricted versions of Plaintiffs' Works. 2d Supp. SMF ¶¶ 85, 88. Those industry professionals and tradespeople who purchase the Works to use in the course of their work might reference the free access websites, but these websites would not be a substitute for purchasing a copy that can be downloaded and searched from Plaintiffs. *Id.* ¶¶ 88, 89. Indeed, Plaintiffs view the provision of free access as furthering their overall mission by encouraging more users to visit Plaintiffs' websites, and to do so more frequently, creating opportunities for them to learn about Plaintiffs' other mission-driven activities, including by potentially deciding to purchase the materials so they can have a copy to download. *Id.* ¶¶ 86, 87.

PRO's postings, by contrast, are substitutional and cannibalistic for each of Plaintiffs' sales, licensing efforts, and free access distribution. PRO intentionally makes its versions of Plaintiffs' Works—which are widely viewed, *see*, *e.g.*, 2d Supp. SMF ¶ 98 (accesses to PRO's postings dwarf visits to ASTM's Reading Room); *id.* ¶ 102 (10,000 views of 2011 NEC in 13 months)—available on an anonymous and unrestricted basis. *Id.* ¶¶ 92, 104. This means its users include those individuals and entities who would otherwise purchase or license copies of Plaintiffs' standards. *Id.* ¶ 93. Its users may also include *further* would-be infringers who, by virtue of the anonymity PRO and the Internet Archive, offer and easily profit unlawfully from selling PRO's copies. Indeed, PRO's efforts to make available Plaintiffs' Works in rekeyed formats mean that down-the-line infringers can capitalize on that work, distributing counterfeit copies of PRO's downloadable PDFs. *See id.* ¶¶ 105-06. Regardless of whether PRO intends that result, the fair use inquiry requires consideration of the natural consequences of its activities. *See Authors Guild*, 804 F.3d at 223 (even if copying done for "valuably transformative purpose,"

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copying can lead to harm "if done in a manner that results in widespread revelation of sufficiently significant portions of the original as to make available a significantly competing substitute"). Notably, PRO *could*, but does not, utilize the technical features—such "borrowing" and encrypted access for those with print disabilities—that Internet Archive employs to restrict access to other copyrighted material on its website. 2d Supp. SMF ¶¶ 108-09.

The unrebutted economic evidence—not to mention common sense—dictate that the answer to the D.C. Circuit's first question is that PRO's activities threaten substantial market harm even where Plaintiffs also provide access to their standards. Plaintiffs have already shown a "substantial[] adverse impact on the potential market." Campbell, 510 U.S. at 590. The expert report of John Jarosz recognized Plaintiffs' provision of freely accessible copies but concluded that, nonetheless, PRO's activities would threaten the market both for Plaintiffs' standards and for derivative works. 2d Supp. SMF ¶ 91 (Jarosz Rep. ¶¶ 85, 92, 100, 130-49). That makes sense. As explained above, the principal difference between Plaintiffs' online copies and PRO's postings (beyond the errors in PRO's versions) is that Plaintiffs' sell physical copies and digital copies in a variety of formats and offer more limited read-only access for free, whereas PRO offers no-cost, unrestricted access to Plaintiffs' Works in formats that can be readily downloaded or used to develop derivative works. "[P]arties that are interested in or affected by [Plaintiffs' standards], but who do not necessarily need a digital or hardcopy of the standards" are well served by Plaintiffs' online versions. Id. ¶¶ 86, 88 (Jarosz Rep. ¶ 86). Parties who are, instead, regularly using Plaintiffs' standards during the course of their work, interested in reselling copies of Plaintiffs' standards, or planning to develop unlicensed derivative works are likely to use PRO's versions of the standards. See, e.g., SMF ¶ 240 ("Multiple resellers and merchants have downloaded copies of NFPA's standards that were posted on the Internet and have attempted to

resell them or package them with other products for sale."); see also BMG Music v. Gonzalez, 430 F.3d 888, 890 (7th Cir. 2005) (noting that because "[m]usic downloaded for free from the Internet is a close substitute for purchased music[,] many people are bound to keep the downloaded files without buying originals").

Second, the D.C. Circuit asked this Court to consider whether there would continue to be a market for Plaintiffs' standards if PRO limited its copying to only those parts of Plaintiffs' standards that "provide[] information essential to comprehending one's legal duties." *ASTM II*, 896 F.3d at 450. PRO has no supporting evidence to answer this question because, as demonstrated, PRO does *not* so limit its copying and has maintained that position since the D.C. Circuit's remand, despite that court's clear direction that PRO should revisit its wholesale copying. *See supra* at Section I.B.1.b.; 2d Supp. SMF ¶¶ 31-32 (Resp. to Interrog. Nos. 19, 21). Accordingly, PRO has failed to meet its burden on this question.

Third, the D.C. Circuit instructed this Court to consider whether PRO's copying and distribution of Plaintiffs' Works would harm any markets for derivative works, e.g., if PRO's posting of out-of-date standards would help or harm the market for the current versions of the same standards. See ASTM II, 896 F.3d at 453. The evidence is undisputed that PRO's use harms the market for the current and most up-to-date works. ASTM frequently reapproves the identical standard in an updated version, and in those circumstances, the old version is a perfect substitute for the up-to-date version. 2d Supp. SMF ¶ 96. For example, ASTM's B580 issued in 1979 has been reapproved and reissued in its original form every five years. Even when ASTM standards, are revised in subsequent versions, the latest version frequently retains substantial portions of the prior version. Id. ¶ 35. As a result, for many users, the availability of a free and unrestricted copying of the prior version may be a perfect or near-perfect substitute for the

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current version of the standard, such that the unrestricted download and distribution of the Works at issue will interfere with the market for these derivative Works. *Id.* ¶ 96.

The evidence also shows that PRO does not limit its copying to out-of-date standards. Many jurisdictions expressly incorporate—and PRO promptly posts—the most recently published versions of Plaintiffs' standards. *See, e.g.*, Tex. Agric. Code Ann. § 17.072 (West) (incorporating most recent versions of ASTM D4177); Md. Public Safety Code § 9-303 (West) (same for NFPA 101); 30 Tex. Admin. Code § 217.326 (same for NFPA 1 and NFPA 70); Alaska Stat. Ann. § 44.42.067(b)-(c) (same for ASHRAE 90.1). For example, after the parties filed their initial summary judgment motions, NFPA published the 2017 NEC. PRO has now copied and distributed that version. 2d Supp. SMF ¶ 110.

Further, new editions are not the only derivative product Plaintiffs make. Plaintiffs develop and sell products and services, such as commentaries and trainings. SMF ¶¶ 155, 263. "[A] significant driver of the Plaintiffs' sale" of such items "is the provision of the protected publications in, for example, trainings and seminars." 2d Supp. SMF ¶¶ 83, 84 (Jarosz Rep. ¶ 146). If the standards were freely available for download online, as PRO has made them, Plaintiffs' sales of these products and services would likely decrease. *Id.* ¶ 95. Moreover, if third parties were able to quote freely from these standards to, like PRO claims to, inform the public about "the law," Plaintiffs would lose their competitive advantage in marketing such services and products. *Id.*; *see also* SMF ¶ 264.

In sum, the undisputed evidence shows that none of the answers to the D.C. Circuit's three questions supports PRO's fair use defense. Plaintiffs invest substantial resources in developing their standards in everything from salaries and benefits for Plaintiffs' staff, to expenses for technical committee meetings, to costs associated with editing, producing,

distributing, and promoting the standards. SMF ¶¶ 43-44, 104-05, 152. PRO's systematic, mass copying and distribution of the Works undermine Plaintiffs' resource investment, "imped[ing] the purpose of copyright to incentivize new creative works by enabling their creators to profit from them." *Capitol Records, LLC v. ReDigi Inc.*, 910 F.3d 649, 662 (2d Cir. 2018); *see also Mazer v. Stein*, 347 U.S. 201, 219 (1954) ("The economic philosophy behind the clause empowering Congress to grant patents and copyrights is the conviction that encouragement of individual effort by personal gain is the best way to advance public welfare through the talents of authors and inventors in 'Science and useful Arts.' Sacrificial days devoted to such creative activities deserve rewards commensurate with the services rendered."). There is no evidence that this factor, or any of the other § 107 factors, supports PRO's affirmative defense.

# III. PLAINTIFFS ARE ENTITLED TO SUMMARY JUDGMENT ON THEIR CLAIMS OF TRADEMARK INFRINGEMENT AND FALSE DESIGNATION OF ORIGIN

In addition to infringing Plaintiffs' copyrights, PRO infringed Plaintiffs' trademarks and continues to do so. It is undisputed that PRO acquired genuine versions of Plaintiffs' standards and retyped their content to create new documents that Plaintiffs neither authorized nor quality controlled. SMF ¶ 187-95. PRO did not appeal the Court's ruling that Plaintiffs own valid trademarks or the Court's analysis of the ordinary likelihood of confusion factors. *ASTM II*, 896 F.3d at 456. This Court's prior ruling on these issues is "law of the case" as to the standards at issue in Plaintiffs' prior motions. *See, e.g., Trout*, 780 F. Supp. at 1425 & n.71. PRO has no evidence warranting a different result as to any of the other Works. The question on remand, therefore, is whether PRO can raise a triable issue on its affirmative defense of nominative fair use. PRO cannot make this showing, and Plaintiffs are entitled to a permanent injunction preventing PRO from resuming its use of Plaintiffs' marks.

#### A. Nominative Fair Use Is An Affirmative Defense

Nominative fair use is an affirmative defense, not an element of Plaintiffs' trademark claim. Once a Lanham Act "plaintiff has met its burden of proving that confusion is likely, the burden then shifts to the defendant to show that its nominative use of plaintiff's mark is nonetheless fair." *Century 21 Real Estate Corp. v. Lendingtree, Inc.*, 425 F.3d 211, 232 (3d Cir. 2005). Treating nominative fair use as an affirmative defense (as opposed to yet another factor in the already unwieldy likelihood of confusion calculus, as some circuits do<sup>16</sup>) respects the Supreme Court's existing jurisprudence on trademark fair use. Specifically, the Supreme Court has ruled that classic fair use—use of a mark in its descriptive sense and not as a designation of source—is an affirmative defense to trademark infringement, in part because "some possibility of consumer confusion must be compatible with fair use." *KP Permanent Make-Up, Inc. v. Lasting Impression I, Inc.*, 543 U.S. 111, 121 (2004). In other words, the Supreme Court treats confusion and fairness as separate and distinct concepts. An approach that blends these concepts together into a single test—a test in which fairness must *negate* instead of coexist with confusion—is untenable.<sup>17</sup> Instead, if a plaintiff proves that confusion is likely, consideration of the fair use defense should follow. *Century 21*, 425 F.3d at 222; *see also, e.g., Mary Kay, Inc. v.* 

<sup>&</sup>lt;sup>16</sup> See Int'l Info. Sys. Sec. Certification Consortium v. Sec. Univ., LLC, 823 F.3d 153, 168 (2d Cir. 2016); Toyota Motor Sales, U.S.A., Inc. v. Tabari, 610 F.3d 1171, 1175 (9th Cir. 2010). But see ASTM II, 896 F.3d at 457 (recognizing that circuits are divided on correct analysis and declining to resolve which approach is correct).

<sup>17</sup> Demonstrating that the approach is unworkable, circuits that treat nominative fair use as part of the likelihood of confusion analysis cannot even agree on the correct way to do so. The Second Circuit has directed "district courts... to consider the Ninth Circuit and Third Circuit's nominative fair use factors, *in addition to* the [traditional likelihood of confusion] factors." *Int'l Info. Sys.*, 823 F.3d at 168 (emphasis added). In the Ninth Circuit, by contrast, the nominative fair use factors supplant the multi-factor test that courts typically employ to determine consumer confusion. *See Tabari*, 610 F.3d at 1175.

Weber, 601 F. Supp. 2d 839, 854 (N.D. Tex. 2009) (treating nominative fair use as an affirmative defense); Chrysler Corp. v. Newfield Publ'ns, 880 F. Supp. 504, 512 (E.D. Mich. 1995) (same).

Here, the Plaintiffs have demonstrated a likelihood of confusion. *ASTM I*, 2017 WL 473822, at \*23; *see also ASTM II*, 896 F.3d at 456 ("PRO [does not] contest[] . . . the district court's analysis of the ordinary likelihood of confusion factors"). Accordingly, it is PRO's burden to prove that its use is fair.

# B. PRO Cannot Meet Its Burden To Establish Any Of The Three Nominative Fair Use Factors

To succeed on its nominative fair use defense, PRO must show that: (1) its use of Plaintiffs' trademarks is necessary to describe Plaintiffs' Works; (2) PRO used only so much of Plaintiffs' marks as is reasonably necessary to identify Plaintiffs' Works; *and* (3) PRO has not done anything to suggest sponsorship or endorsement by Plaintiffs or to inaccurately describe the relationship between the parties or their Works. *Century 21*, 425 F.3d at 222; *see also New Kids on the Block v. News Am. Publ'g, Inc.*, 971 F.2d 302, 308 (9th Cir. 1992). PRO's original use of Plaintiffs' marks certainly does not satisfy and cannot satisfy any (let alone all three) of these elements and neither does its current practice.

First, PRO does not need to use any of Plaintiffs' marks—their logos, organizational names, or even the names they give their standards—in furtherance of its claimed mission of educating the public about legally binding obligations. PRO could fulfill this mission by posting the legally binding obligations without identifying Plaintiffs as the source of that information and without using their word marks. This is exactly what the party posting building codes in Veeck did. He posted the codes and identified them as building codes of the relevant jurisdictions; he

<sup>&</sup>lt;sup>18</sup> Again, PRO's failure to challenge this Court's previous analysis of the likelihood-of-confusion factors means it is bound by that holding. *See Trout*, 780 F. Supp. at 1425 & n.71.

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did not identify the institutional author, Southern Building Code Congress International, by name, let alone display its logos. *Veeck v. S. Bldg. Code Cong. Int'l*, 293 F.3d 791, 793 (5th Cir. 2002). Here, PRO could similarly identify Plaintiffs' Works merely as works incorporated by reference into the relevant federal regulations, without identifying Plaintiffs or using their marks. For instance, PRO could have identified ASTM's Standard Specification for Structural Steel as the "standard adopted by 24 C.F.R. Part 200" rather than ASTM A36. But it did not.

Second, as this Court, the D.C. Circuit, and even PRO have acknowledged, PRO's use of Plaintiffs' trademark logos goes beyond what is reasonably necessary to identify Plaintiffs' Works. See ASTM II, 896 F.3d at 457 ("it may well be that PRO overstepped when it reproduced both ASTM's logo and its word marks but, as it told the district court, it is not wedded to using the logo" (citation omitted); see also, e.g., Tabari, 610 F.3d at 1181 (use of a stylized mark and logo was more use of the mark than necessary); David's Bridal, Inc. v. House of Brides, Inc., No. 06 Civ. 5660 (SRC), 2010 WL 323306, at \*7 (D.N.J. Jan. 20, 2010) (use of design elements unnecessary). After remand, PRO claims to have redacted Plaintiffs' logos from the materials it posted. 2d Supp. SMF ¶21. This is not entirely true. PRO's postings of the NEC still use NFPA's trademarked NEC logo, id. ¶23, as does PRO's posting of ASTM D86-07, id. ¶24. Plaintiffs have a right to permanent injunctive relief to ensure PRO does not resume this practice.

Third, irrespective of any past, present, or future disclaimers, PRO's use of Plaintiffs' marks suggests that Plaintiffs endorse PRO's posted copies and that those copies are genuine versions of Plaintiffs' Works. PRO's disclaimers have been woefully insufficient. PRO originally posted the Works without any disclaimer; then, in response to this lawsuit, PRO posted text that this Court said "c[ould] hardly be called disclaimers at all." ASTM I, 2017 WL 473822, at \*23. While PRO has since revised its "disclaimers" on several occasions, litigation-driven

revisions are not a reason to deny summary judgment on liability for trademark infringement or to deny a permanent injunction. *See id.* (rejecting PRO's trademark fair use argument based in part on the finding that PRO "did not begin using the disclaimer until 2015, after the start of this litigation")). In any event, as the D.C. Circuit noted, "the disclaimers PRO appends to many of its copies of the standards may well fail to adequately eliminate the possibility a consumer would assume sponsorship or endorsement by ASTM." *ASTM II*, 896 F.3d at 457. And PRO "bears a 'heavy burden to come forward with evidence sufficient to demonstrate that any [disclaimer] would significantly reduce the likelihood of consumer confusion." *Australian Gold, Inc. v. Hatfield*, 436 F.3d 1228, 1243 (10th Cir. 2006) (quoting *Home Box Office, Inc. v. Showtime/The Movie Channel Inc.*, 832 F.2d 1311, 1316 (2d Cir. 1987)). PRO cannot meet this burden.

PROs' current disclaimers take three forms. The first appears on the cover page of PDF copies of Plaintiffs' Works posted by PRO, as depicted below.



2d Supp. SMF ¶ 26. Considered in its star-spangled entirety, this cover page conveys a clear message—the document that follows is, "By Authority of the United States of America," a

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"Legally Binding Document," and is "APPROVED" by at least the Executive Director of the Office of the Federal Register. The contradictory disclaimer—that the document is "Not Affiliated Or Authorized by ASTM or by the Government of the United States"—is barely perceptible amidst the surrounding regalia. Even if this disclaimer was somehow adequate (it is not), it resides only on the first page of PRO's copies of Plaintiffs' Works. See id. Anyone who downloads PRO's pirated PDFs can delete this page—and thus the disclaimer—with a single click, and further disseminate disclaimer-less copies of Plaintiffs' Works. Any disclaimer is insufficient to dispel confusion in these circumstances. See, e.g., Int'l Kennel Club of Chi., Inc. v. Mighty Star, Inc., 846 F.2d 1079, 1093 (7th Cir. 1988) (affirming finding of inadequate disclaimer; "it would be difficult to ensure the use of disclaimers by [defendant's] distributors since the defendants had no direct control over the distributors' advertising. . . . . Especially where the infringement in issue is a verbatim copying of the plaintiff's name, we are convinced that that plaintiff's reputation and goodwill should not be rendered forever dependent on the effectiveness of fineprint disclaimers often ignored by consumers.").

The second disclaimer appears "below the fold" of the Internet Archive webpage; a reader must scroll past the PDF copy of the standard—the material the reader came for—to see the disclaimer at all. *See* 2d Supp. SMF ¶ 27. This is insufficient. *See, e.g., TrafficSchool.com, Inc. v. Edriver Inc.*, 653 F.3d 820, 828 (9th Cir. 2011) (affirming ruling that disclaimer was insufficient to dispel confusion when consumers had to scroll to view).

Finally, PRO's HTML-format copies of Plaintiffs' standards—which are available for download on the Internet Archive Website—contain the following "disclaimer," in the form of a "PREAMBLE (NOT PART OF THE STANDARD)."

#### PREAMBLE (NOT PART OF THE STANDARD)

In order to promote public education and public safety, equal justice for all, a better informed citizenry, the rule of law, world trade and world peace, this legal document is hereby made available on a noncommercial basis, as it is the right of all humans to know an speak the laws that severn them.

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END OF PREAMBLE (NOT PART OF THE STANDARD)

2d Supp. SMF 28. This "disclaimer"—which appears in approximately the same typeface and size as the rest of the document—is also inadequate. Indeed, anyone who downloads this document *to read the standard* is likely to ignore the section expressly labeled "NOT PART OF THE STANDARD."

PRO's redaction of Plaintiffs' logos—and to be clear, PRO has not in all cases redacted Plaintiffs' logos, *see* 2d Supp. SMF ¶¶ 23, 24—also fails to dispel confusion. As depicted below, PRO has, in some instances, "blacked out" Plaintiffs' logos, but has typed Plaintiffs' word marks, combined with the phrase "Logo Removed," over the redacted area.



2d Supp. SMF ¶ 22. This technique only draws additional attention to the fact that Plaintiffs' logos—which suggest that PRO's substandard copies originate with Plaintiffs—appear on the standards PRO posts.

PRO intended to make the materials it posts look identical to Plaintiffs' Works by applying Plaintiffs' trademarks to the substandard versions of the Works PRO posted online. SMF ¶ 212. This is not fair use. Because PRO cannot meet its burden on any of the three required elements of nominative fair use, Plaintiffs are entitled to summary judgment on their claims for trademark infringement and false designation of origin.

#### IV. PLAINTIFFS ARE ENTITLED TO A PERMANENT INJUNCTION

The Court should permanently enjoin PRO from all reproduction, display, or distribution of Plaintiffs' standards and all use of Plaintiffs' trademarks. 17 U.S.C. § 502(a); 15 U.S.C. § 1116. This Court already granted an injunction once before, and it should do so again. Nothing in the D.C. Circuit's Order, which was aimed at fair use, bears on this Court's consideration of the four *eBay* factors, and no facts have changed that would counsel for a different result. An injunction is warranted because Plaintiffs will otherwise suffer irreparable harm, no other adequate remedy is available to compensate Plaintiffs, the harm to Plaintiffs outweighs any potential harm to PRO, and the public interest favors an injunction. *See eBay*, 547 U.S. at 391.

# A. Plaintiffs Will Suffer Irreparable Harm Without An Injunction

PRO's unauthorized use of Plaintiffs' copyrights and trademarks threatens harm to (i) Plaintiffs' business model and standard-setting process; (ii) Plaintiffs' rights to exclude others from the use of their copyrighted Works; and (iii) Plaintiffs' reputations. Each of these three injuries is real yet hard to quantify—exactly the type of injury an injunction is meant to address.

### 1. Economic Harm And Ramifications To Plaintiffs' Business Model

Plaintiffs' expert economist, Mr. Jarosz, offered an unrebutted opinion on the direct economic harm Plaintiffs have suffered and are likely to continue to suffer. Plaintiffs generate significant revenue from sales of copyrighted standards or membership dues closely tied to their copyrighted standards. SMF ¶¶ 46-47, 106-08, 154. It is almost axiomatic that another party providing the same product to consumers will impact Plaintiffs' business—especially when provided for free. *See Presidio Components, Inc. v. Am. Technical Ceramics. Corp.*, 702 F.3d 1351, 1363 (Fed. Cir. 2012) ("Direct competition in the same market is certainly one factor

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suggesting strongly the potential for irreparable harm without enforcement of the right to exclude.").

But the magnitude of harm suffered to date is not the biggest risk. PRO has had the standards posted only on-and-off over recent years, and only while engaged in litigation that signals to the market that PRO's provision of the standards may not be legal. The more significant risk is that, if PRO's conduct goes unchecked, it will act as a signal to the market that the creation of unauthorized versions of standards is acceptable, which will lead to the proliferation of new versions of the Works on other sites, thereby compounding Plaintiffs' harm over time as more people use the versions of the standards on PRO's site or similar sites instead of purchasing authentic versions. SMF ¶ 254. Plaintiffs have already seen the impact of PRO's infringement, as third parties have downloaded PRO's infringing copies of ASTM's Works and posted them on third-party websites: The online publisher Scribd.com currently hosts dozens of ASTM standards obtained from PRO. 2d Supp. SMF ¶ 106; SMF ¶ 249.

Further, as Mr. Jarosz explained in his expert report, a continuation of PRO's infringement could force Plaintiffs to significantly alter their business models. Each of the Plaintiffs relies primarily on users of its standards to fund the development of the standards, rather than charging up-front fees to participate in the development process. Plaintiffs' "backloaded" business model means more stakeholders can participate in the standard-creation process so that the standards are balanced and represent a diversity of voices. SMF ¶¶ 257-58. Plaintiffs could be forced to significantly alter their business models to a more "front-loaded" system that charges for participation in the standard-creation process, which would preclude the participation of other stakeholders and impact the substance of the resulting standards. SMF ¶¶ 259-62.

# 2. Harm To Plaintiffs' Right To Exclude Caused By Repeat Infringement

Another harm is to the Plaintiffs' right to exclude others from use of their protected Works and trademarks, which is one of the fundamental tenets of intellectual property law. Repeated infringement threatens that right and justifies an injunction. *Breaking the Chain Found. v. Capitol Educ. Support, Inc.*, 589 F. Supp. 2d 25, 30 (D.D.C. 2008) ("Defendant's continuing disregard for Plaintiff's rights demonstrates that it will continue to infringe on Plaintiff's rights, absent an injunction. This finding further justifies granting Plaintiff's request for a permanent injunction."); *TechnoMarine SA v. Giftports, Inc.*, 758 F.3d 493, 504 (2d Cir. 2014) ("[T]he critical question for a district court in deciding whether to issue a permanent injunction is whether there is a reasonable likelihood that the wrong will be repeated." (citations omitted)).

When infringement is allowed to continue unchecked, a copyright owner essentially loses control of its intellectual property. And courts have found that this loss of control due to rampant infringement is irreparable—especially in an online environment where an infringing file can be shared ad nauseam with other users, thus compounding the harm. *See Metro-Goldwyn-Mayer Studios, Inc. v. Grokster*, 518 F. Supp. 2d 1197, 1218 (C.D. Cal. 2007) ("When digital works are distributed via the internet, every downloader who receives one of the copyrighted works is in turn capable of also transmitting perfect copies of the works. Accordingly, the process is potentially exponential rather than linear, threatening virtually unstoppable infringement of the copyright."); *Groupe SEB USA, Inc. v. Euro-Pro Operating LLC*, 774 F.3d 192, 204–05 (3d Cir. 2014) ("Grounds for irreparable injury include loss of control of reputation, loss of trade, and loss of goodwill.") (quoting S & R Corp. v. Jiffy Lube Int'l, Inc., 968 F.2d 371, 378–79 (3d Cir. 1992)).

Here, PRO distributes downloadable, printable copies of the standards, which can then be taken from the Internet Archive and further shared anonymously and without any ability to trace the individuals or entities using the Works or their purpose in doing so. 2d Supp. SMF ¶ 104; SMF ¶¶ 247-48. And, as the Court noted in its earlier ruling granting an injunction in this case, there is no sign this conduct will end absent an injunction. *See ASTM I*, 2017 WL 473822, at \*24. During the course of this litigation, PRO has continued to post additional standards owned by Plaintiffs, and PRO has indicated that it has no intention of stopping its conduct absent intervention from the Court. 2d Supp. SMF ¶ 110. These facts warrant an injunction so that Plaintiffs can regain control of their copyrights and trademarks and do not need to bring a damages lawsuit for each and every standard that is posted.

# 3. Harm To Plaintiffs' Reputations

Plaintiffs also have a right to protect their reputations. Indeed, courts have recognized that using another's trademark will result in irreparable harm because it causes the trademark owner to lose control of the goodwill associated with its mark. *Hanley-Wood LLC v. Hanley Wood LLC*, 783 F. Supp. 2d 147, 151 (D.D.C. 2011); *Breaking the Chain Found.*, 589 F. Supp. 2d at 30. Here, "Plaintiffs have spent decades establishing the goodwill associated with their names and logos, which the public associates with their high quality work." SMF ¶ 245 (citing Jarosz Rep. ¶ 151). Allowing PRO to publish inferior versions compromises that goodwill.

This risk is not just theoretical. PRO's lax quality control standards, SMF ¶¶ 199-200, resulted in PRO postings with errors that significantly altered the utility of standards, including an error in an NFPA standard which mistook the letter "M" (an abbreviation for meters) to the letters "I" and "N" (an abbreviation for inches), SMF ¶¶ 219 (Pauley Decl. 118-8 at ¶ 54). These errors are still in the versions PRO posts. 2d Supp. SMF ¶¶ 14-18. Such carelessness poses a serious risk to Plaintiffs' reputations as creators of high-quality technical standards.

#### B. Remedies Available At Law Are Inadequate

A permanent injunction should also be granted because there is no other appropriate remedy. In cases where money damages are difficult to quantify or a defendant is unable to pay money damages, the lack of alternative remedy makes an injunction appropriate. *Fox Television Stations, Inc. v. Filmon X LLC*, 966 F. Supp. 2d 30, 50 (D.D.C. 2013). For instance, in *Fox Television*, the Court found an injunction warranted where damages were "neither easily calculable, nor easily compensable," and the Court made particular note that the defendant "would likely be unable to pay statutory copyright damages of \$150,000 per work if Plaintiffs prevail." *Id.* The same considerations apply here.

The harms caused by PRO cannot be readily quantified. First, the types of harm sustained by Plaintiffs—including harm to Plaintiffs' goodwill and impact on Plaintiffs' business models—are inherently difficult to quantify. *See Bell Hellicopter Textron Inc. v. Airbus Helicopters*, 78 F. Supp. 3d 253, 274-75 (D.D.C. 2015) ("losses to... customer base and reputation defy attempts at valuation, and are unlikely to be remedied through a simple damages calculation" (internal citations omitted)). Second, the amount of harm cannot be determined. Because PRO posted Plaintiffs' Works in a manner that allows them to be easily copied, shared, downloaded, or printed by any member of the public, it is impossible to know how many infringing copies or illegal distributions have been made. 2d Supp. SMF ¶ 92. PRO's posted versions of Plaintiffs' standards, on its own site and, again, on the Internet Archive, have been downloaded tens of thousands of times. *Id.* ¶ 99; SMF ¶ 241-44. PRO admits it generally has no idea how the Works accessed from its website are ultimately used or by whom. SMF ¶ 247-48; 2d Supp. SMF ¶ 104. Under these facts, actual monetary damages are impossible to assess.

In the absence of calculable damages, a copyright plaintiff could elect to receive statutory damages available under the Copyright Act. However, any effort to recover statutory damages

would be futile since the damages award would far outweigh PRO's assets. This case involves hundreds of copyrighted works, and statutory damages can range up to \$150,000 *per work* in cases of willful infringement. 17 U.S.C. § 504(c). But PRO's financial documents reveal that PRO has limited assets and, as a self-described "charity," is dependent on fundraising. SMF ¶ 272-73; 2d Supp. SMF ¶ 111. PRO simply does not have the ability to pay damages.

Notably, PRO does not dispute that monetary damages are inadequate in this case. Instead, PRO's position appears to be that there should be no remedy at all, irrespective of how the copyright and trademarks issues are resolved. When asked at the initial summary judgment hearing what would be an appropriate remedy, counsel for PRO responded: "I am not able to say." 2d Supp. SMF ¶ 112. Put simply, there is no adequate remedy but an injunction.

### C. The Balance Of Hardships Favors Issuing An Injunction

In contrast to the financial and reputational harms Plaintiffs face, an injunction would cause no recognizable harm to PRO, so there is nothing to balance against the harms caused to Plaintiffs.

PRO has admitted that there will be no financial harm if PRO's posting of standards is halted. Specifically, Mr. Malamud testified:

Q: If Public Resource was unable to continue to post the standards incorporated by reference on its website, what impact, if any, [would] that have on Public Resource's financial ability to survive long term?

A: Probably none.

Q: Can you identify any harm that would be suffered by Public Resource if it was precluded [from] posting standards incorporated by reference on its website?

A: THE WITNESS: We put a tremendous amount of effort in—into this and one hates to [have] wasted that—that effort.

Q: Anything else that you can think of?

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A: No.

SMF ¶ 277 (C. Malamud Dep. at 219:22-220:17).

PRO's "wasted" effort expended in committing infringement is not a legally cognizable harm. The law is clear that PRO cannot claim an equitable interest in its ability to undertake infringing activity. Fox Television Stations, 966 F. Supp. 2d at 51; Triad Sys. Corp. v. Se. Express Co., 64 F.3d 1330, 1338 (9th Cir. 1995) (defendant "cannot complain of the harm that will befall it when properly forced to desist from its infringing activities."); Concrete Mach. Co. v. Classic Lawn Ornaments, Inc., 843 F.2d 600, 612 (1st Cir. 1988) (harm from ceasing infringement "merits little equitable consideration").

## D. The Public Interest Favors Issuing An Injunction.

It is undisputed that Plaintiffs do important work that serves the public good. The standards at issue are devoted to issues of great importance to the public, including fire safety and energy efficiency. In fact, Mr. Malamud readily admits that the NFPA "does amazing work and saves lives," that he is a "big fan of ASTM . . . and we need to continue to have standards in that area," and that "ASHRAE Standard 90.1 is an important standard." SMF ¶¶ 164-67. It is also widely accepted that these standards serve the public good by aiding government agencies that would not otherwise have the resources or technical expertise to fulfill their regulatory duties as well as they do currently. SMF ¶ 266 (citing Jarosz Rep. at ¶¶ 52-56; 164).

Unfortunately, as Mr. Malamud concedes, "making standards more freely available... potentially poses a challenge to the current business models of the standards development of some standards development organizations." SMF ¶ 255. Indeed, Mr. Jarosz explained in detail in his unrebutted expert report the various ways that Plaintiffs' business models (and the quality of their standards) are likely to change in the face of unfettered infringement. SMF ¶¶ 259-62. That result is not surprising or unique to this case. Courts in this

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circuit have recognized that the very policy considerations underpinning our copyright system mandate that the public interest is best served by protecting the creative work of copyright holders like Plaintiffs so that they will continue to create such works. *See Fox Television Stations*, 966 F. Supp. 2d at 51 ("the public interest can only be served by . . . preventing the misappropriation of skills, creative energies, and resources which are invested in the protected work") (internal citations omitted).

In contrast to the undisputed public interest served by Plaintiffs' standards, PRO cannot identify any adverse public impact that would arise if an injunction is granted. PRO can point to no actual lack of access to Plaintiffs' Works at issue in this litigation because Plaintiffs already provide free read-only access to the standards on their websites. 2d Supp. SMF ¶ 85. Finally, due to rulings in this case, PRO removed its public postings of Plaintiffs' standards from the internet in late 2015 and did not repost them until after the D.C. Circuit's July 2018 ruling remanding the case. *Id.* ¶¶ 11-12. PRO can point to no harm that befell the public as a result of PRO's postings being offline for more than two and a half years.

All available evidence suggests that the public's interest is best served by granting Plaintiffs' request for an injunction.

#### **CONCLUSION**

For the foregoing reasons, the Court should grant summary judgment in favor of Plaintiffs on their copyright infringement and trademark infringement claims and should permanently enjoin PRO from infringing Plaintiffs' copyrights and trademarks.

Respectfully submitted, Dated: October 7, 2019

### /s/ J. Kevin Fee

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#### **CERTIFICATE OF SERVICE**

I hereby certify that on October 7, 2019, the foregoing document was filed with the clerk of this Court via the CM/ECF system and served on counsel of record via email, including:

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/s/ J. Kevin Fee

J. Kevin Fee

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# PLAINTIFFS' SECOND SUPPLEMENTAL STATEMENT OF MATERIAL FACTS IN SUPPORT OF THEIR SECOND MOTION FOR SUMMARY JUDGMENT

# **REDACTED**

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# UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a ASTM INTERNATIONAL;	
NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and	
AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,	Case No. 1:13-ev-01215-TSC
Plaintiffs/ Counter-Defendants,	
V.	

PUBLIC.RESOURCE.ORG, INC.,

Defendant/ Counter-Plaintiff.

# PLAINTIFFS' SECOND SUPPLEMENTAL STATEMENT OF MATERIAL FACTS IN SUPPORT OF THEIR SECOND MOTION FOR SUMMARY JUDGMENT

Pursuant to the Local Rule 7(h), Plaintiffs American Society for Testing and Materials ("ASTM"), National Fire Protection Association, Inc. ("NFPA") and American Society of Heating, Refrigerating, and Air Conditioning Engineers ("ASHRAE") (collectively, "Plaintiffs") hereby submit, in support of their Second Motion for Summary Judgment, this Second Supplemental Statement of Material Facts<sup>1</sup> as to which there is no genuine issue to be tried.

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<sup>&</sup>lt;sup>1</sup> Plaintiffs filed an original Statement of Material Facts (Dkt. 118-2) ("SMF") and Supplemental Statement of Material Facts (155-1). The facts contained in this Second Supplemental Statement of Material Facts are additional to the already-developed record. Plaintiffs also have relied on and cited to their prior statements of material facts in support of the Second Motion for Summary Judgment.

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## I. PLAINTIFFS OWN COPYRIGHTS IN THE 217 STANDARDS AT ISSUE IN THIS MOTION<sup>2</sup>

## ASTM's Copyrighted Works

- 1. ASTM has obtained copyright registration certificates that cover its 191 standards at issue in this motion. Declaration of Jane W. Wise, filed concurrently herewith, ("Wise Decl.") ¶¶ 2, 31-149, Exs. 30-148; Declaration of Thomas O'Brien, previously filed at Dkt. 118-7, ("O'Brien Decl.") ¶¶ 5-12, Exs. 1-4.
- 2. Specifically, ASTM is the claimant for the works appearing in Annex A (collectively, the "ASTM Standards"). Wise Decl. ¶¶ 2, 31-150, Exs. 30-149; O'Brien Decl. ¶¶ 5-12, Exs. 1-4.
- 3. Each and every standard, edition, title, year of the Annual ASTM Book of Standards ("BOS"), and copyright registration number appearing in Annex A is true and correct as shown in the corresponding exhibits. Wise Decl. ¶¶ 2-150, Exs.1-149; O'Brien Decl. ¶¶ 5-12, Exs. 1-4.
- 4. The specified edition of each ASTM Standard identified in Annex A was originally published in the BOS (identified by year) in the corresponding row of Annex A. Wise Decl. ¶¶ 2-33, 35-57, 59-137, 139-150, Exs. 1-32, 34-56, 58-136, 138-149; O'Brien Decl. ¶¶ 7-12, Exs. 3-4.
- 5. Each BOS identified in Annex A is the subject of the copyright registration identified in the corresponding row of Annex A. Wise Decl. ¶¶ 2-33, 35-57, 59-137, 139-150, Exs. 1-32, 34-56, 58-136, 138-149; O'Brien Decl. ¶¶ 7-12, Exs. 3-4.
- 6. For each ASTM Standard where no BOS is identified, the standard is the subject of the copyright registration identified in the corresponding row of Annex A. Wise Decl. ¶¶ 34, 58, 138, Exs. 33, 57, 137; O'Brien Decl. ¶¶ 5-6, Exs. 1-2.

<sup>&</sup>lt;sup>2</sup> The 217 standards at issue in Plaintiffs' motion for summary judgment are collectively referred to herein as the "Works" or "Plaintiffs' Works."

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7. The registrations whose numbers appear in bold Annex A were effective within 5 years of the date of first publication identified in the registration certificate. Wise Decl. ¶¶ 2-33, 35-57, 59-65, 67-149, Exs. 1-32, 34-56, 58-148; O'Brien ¶¶ 7-11, Exs. 3-4.

8. The published version of each ASTM Standard includes a copyright notice alerting the public to the fact that the copyright is owned by ASTM. O'Brien Decl. ¶ 11.

#### NFPA's Copyrighted Works

9. NFPA has obtained copyright registration certificates for its 23 standards at issue in this motion, each within five years of publication. Declaration of Dennis J. Berry, previously filed at Dkt. 118-3, ("Berry Decl.") ¶¶ 2-3, Exs. A-B; Supplemental Declaration of James Pauley Declaration, filed concurrently herewith, ("Supp. Pauley Decl.") ¶¶ 6-24, Exs. W-OO (certificates of registration).

#### ASHRAE's Copyrighted Works

10. ASHRAE has obtained copyright registration certificates for its 3 standards at issue in this motion, each within five years of publication. Declaration of Stephanie Reiniche, previously filed at Dkt. 118-10, ("Reiniche Decl.") ¶ 15, Exs. 3-5.

#### II. PRO'S ONGOING INFRINGEMENT OF PLAINTIFFS' WORKS

- A. PRO's Postings To Internet Archive After Remand From The D.C. Circuit
- 11. Following the D.C. Circuit remand in July 2018, Defendant Public.Resource.Org ("PRO") "reposted the standards at issue . . . to the Internet Archive" website. Wise Decl. ¶ 165, Ex. 164 at Interrog. 22.
- 12. PRO had previously, at the Court's suggestion (and prior to the injunction), removed Plaintiffs' standards from its website and the Internet Archive website in November 2015. SMF ¶ 186.

#### B. PRO Did Not Fix The Errors In Its Versions of Plaintiffs' Standards

- 13. During his deposition, Mr. Malamud claimed that if he were notified of any mistakes, he would do a rigorous quality assurance check and correct any mistakes. SMF ¶ 217 (citing Declaration of Jordana Rubel, previously filed at Dkt. 118-12, ("Rubel Decl."). ¶ 6, Ex. 3 (C. Malamud Dep. at 140:19-25).
- 14. Well over three years have passed since Plaintiffs notified Mr. Malamud of errors in his postings. Nonetheless, PRO never corrected most of these mistakes, instead reposting versions of standards which he previously admitted were not acceptable. SMF ¶ 216 (citing Rubel Decl. ¶ 6, Ex. 3 (C. Malamud Dep. at 140:19-141:6)).
- 15. For example, during Mr. Malamud's deposition, Plaintiffs notified him that the HTML version of ASTM D86-07 he had posted contained a number of errors, including text and numbers that differ from the information in the authentic versions of Plaintiffs' standards. SMF ¶ 215 (citing Rubel Decl. ¶ 6, Ex. 3 (C. Malamud Dep. at 127:4-139:8)).
- 16. PRO has not fixed those errors to its HTML version of ASTM D86-07. Wise Decl. ¶ 166, Ex. 165.
- 17. Plaintiffs also alerted PRO to a number of errors in the HTML posting of the 2011 edition of the National Electrical Code ("NEC") that distort the meaning of substantive provisions of the standard that were written to protect human safety and prevent property damage, including but not limited to erroneously using the letter "M" (an abbreviation for meters) rather than the letters "I" and "N" (an abbreviation for inches). SMF ¶ 219 (citing Declaration of James Pauley filed at Dkt. 118-8, ("Pauley Decl.") ¶ 54).
- 18. PRO has not reposted its version of the 2011 NEC in HTML form, but almost all of those precise errors remain in its Full Text posting of the 2011 NEC. Supp. Pauley Decl. ¶ 39; Wise Decl. ¶ 167, Ex. 166.

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- 19. PRO has not made meaningful changes to the process it previously used to rekey text, convert graphics, reset mathematical formulas or otherwise make change its quality control measures. Wise Decl. ¶ 165, Ex. 164 at Interrog. 22.
- 20. PRO acknowledges that Plaintiffs (or governmental authorities), not PRO, are the definitive source for accurate copies of the Plaintiffs' standards by directing readers "to check with the standards organizations or governmental authorities for further information and access to definitive versions of these important laws." *See, e.g.*, Wise Decl. ¶ 168, Ex. 167.

#### C. PRO Continues To Use Plaintiffs' Marks

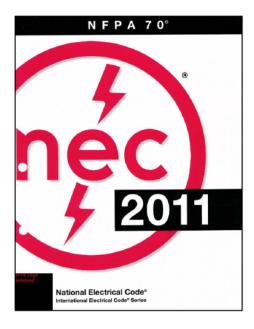
- 21. PRO stated that it removed all of Plaintiffs' logos from PRO's copies of Plaintiffs' Works. Wise Decl. ¶ 165, Ex. 164 at Interrog. 22.
- 22. As depicted below, PRO has in some instances "blacked out" Plaintiffs' logos, but has typed Plaintiffs' word marks, combined with the phrase "Logo Removed," over the redacted area.



Wise Decl. Wise Decl. ¶ 153, Ex. 152 at 180.

23. However, Internet Archive postings show that not all of Plaintiffs' logos have been removed, and PRO has not removed Plaintiffs' word marks. For example, PRO has not removed the NEC logo for at least the 2011 and 2014 editions of the NEC or any of the word marks:

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Wise Decl. ¶ 169, Ex. 168; Supp. Pauley Decl. ¶ 32.

24. Similarly, PRO's Internet Archive postings continue in some instances to display the ASTM Logo, as depicted below.

An American National Standard



Example 2015 Designation: D 86 – 07

## Standard Test Method for Distillation of Petroleum Products at Atmospheric Pressure<sup>1</sup>

This standard is issued under the fixed designation D 86; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval  $\Lambda$  superscript epsilon ( $\in$ ) indicates an editorial change since the last revision or reapproval.

 ${\it This \, standard \, has \, been \, approved \, for \, use \, by \, agencies \, of \, the \, Department \, of \, Defense.}$ 

Wise Decl. ¶ 166, Ex. 165.

25. And even where PRO has redacted the ASTM logo, PRO has not in any instance redacted the ASTM word mark. Wise Decl. ¶ 153, Ex. 152.

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### D. PRO's Changes To Its "Disclaimers" Are Insufficient

26. PRO's "disclaimers" take three forms. The first appears on the cover page of PDF copies of Plaintiffs' Works posted by PRO, as depicted below.



Wise Decl. Wise Decl. ¶ 153, Ex. 152 at 180; Wise Decl. ¶ 168, Ex. 167 at 6.

- 27. The second disclaimer appears "below the fold" of the Internet Archive webpage; a reader must scroll past the PDF copy of the standard to see the disclaimer at all. Wise Decl. ¶ 168, Ex. 167 at 6.
- 28. Finally, PRO's HTML-format copies of Plaintiffs' standards—which are available for download on the Internet Archive Website—contain the following "disclaimer," in the form of a "PREAMBLE (NOT PART OF THE STANDARD)":

PREAMBLE (NOT PART OF THE STANDARD)

In order to premote public education and public select, equal justice for all, a better informed citizenry, the rule of law, world trade and world peace, this legal document is bereby made available on a noncommercial basis, as it is the right of all humans to know and speak the laws that govern them.

This document was prepared and posted by Public Resource, Org (Public Resource), a U.S.-based charity certified under section \$\color{\co

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Wise Decl. ¶ 166, Ex. 165.

29. This "disclaimer" appears in approximately the same typeface and size as the rest of the document. *Id.* 

#### III. PRO'S FAILURE TO FOLLOW THE D.C. CIRCUIT'S DECISION

- A. PRO Essentially Did Nothing In Response To The D.C. Circuit's Decision
- 30. Plaintiffs' interrogatories asked PRO to identify the authority and portions of standards that it contended impose binding legal obligations; but PRO did not do any analysis to determine "with specificity each portion(s) of the Standard at Issue that PRO asserts imposes a legal obligation on an individual or entity." *See generally* Wise Decl. ¶ 165, Ex. 164 at Interrogs. 17-21.
- 31. PRO disavowed any obligation to do any analysis of the standards to support its fair use defense: "The entirety of each standard listed [at issue in this litigation] is incorporated by reference into the law. Public Resource is not an attorney and does not provide legal advice, and cannot provide advice regarding what legal obligations an individual or entity may face as a result of hundreds of different federal, state, and local laws." Wise Decl. ¶ 165, Ex. 164 at Interrog. 19.
- 32. In response to Plaintiffs' interrogatories regarding PRO's basis for copying and distributing every portion of Plaintiffs' standards "verbatim," PRO explained that "[t]he entirety of each standard [at issue in this litigation] is incorporated by reference into the law, and it is therefore necessary to reproduce the entire standard verbatim in order to accurately state what the law is." Wise Decl. ¶ 165, Ex. 164 at Interrog. 21.3

<sup>3</sup> Standards often incorporate other standards by reference. *See infra* ¶ 69. PRO's answer does not explain how it would distinguish between standards that are incorporated by reference directly by a regulation and the numerous additional standards that are incorporated by reference within the standards of other related standards.

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B. PRO Has Failed To Identify Correct Citations That Incorporate The Works By Reference

Incorrect Citations re: ASTM's Standards

- 33. ASTM standards are reviewed on a 5 year schedule. Declaration of James Thomas, previously filed at Dkt. 118-11, ("James Thomas Decl.") ¶ 33. ASTM publishes an Annual Book of ASTM Standards that is composed of a number of volumes and includes the then-current version of each of its standards. O'Brien Decl. ¶ 7.
- 34. Each ASTM standard has a unique designation comprised of a capital letter classification A-G which designates the general classification of the standard (*e.g.*, standards beginning with "A" address ferrous metals). O'Brien Decl. Ex. 3 at 1349.
- 35. In each serial designation, the number following the dash indicates the year of original adoption as a standard, or the year of the standard's last revision. *Id.* Standards that have been reapproved without change are indicated by the year of last reapproval in parentheses as part of the designation number (*e.g.*, C5-79 (1997) indicates that C5 was reapproved in 1997). *Id.* A letter following this number indicates more than one revision during that year (*e.g.*, A106-04b indicates the second revision in 2004 to A106). *Id.* A superscript epsilon indicates an editorial change since the last revision or reapproval (*e.g.*, A36-97a<sup>c1</sup> indicates the first editorial revision of the 1997 version of A36). *Id.* If a standard is written in acceptable metric units, the metric version is indicated by the letter M (*e.g.*, A369M-92 indicates that this version of A389 contains metric units). *Id.* When ASTM publishes standards in metric and inch-pound units it identifies the standard with a dual designation (*e.g.*, ASTM A369/A369M-92 identifies a dual standard). *Id.* Regulations like the Code of Federal Regulations typically identify ASTM standards according to this specific designation number. For example, 40 C.F.R. § 114.600 specifies the edition of

the ASTM standards incorporated by reference in 46 C.F.R. § 119.440, including B122/B122M-95 and B96-93. *See* 40 C.F.R. § 114.600.

- 36. As discussed in detail below, PRO has reproduced and displayed at least 92 standards that have not been incorporated by the regulation(s) it identifies in its cover sheets:
  - a. **ASTM A36 (1977a**<sup>e</sup>): PRO identifies 24 C.F.R. § 200 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1. However, 24 C.F.R. § 200 does not reference this standard.
  - b. **ASTM A36/A36M (1997a<sup>e1</sup>):** PRO identifies 46 C.F.R. § 160.035-3(b)(2) as the incorporating by reference regulations. Wise Decl. ¶ 153, Ex. 152 at 7. However, 46 C.F.R.§ 160.035 was removed and reserved. *See* 76 FR 62962, 62975, Oct. 11, 2011.
  - c. **ASTM A82 (1979):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00092094; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 12. However, 24 C.F.R. § 200, Subpart S does not reference this standard.
  - d. **ASTM A106/A106 M (2004b):** PRO identifies 49 C.F.R §. 192.113 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00079099; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19. However, 49 C.F.R. § 192.113 references ASTM A106, not ASTM A106/A106 M (2004b). And 49 C.F.R. § 192.7, which identifies standards incorpotated by reference, references the 2010 version of ASTM A106/A106 M, not the 2004b version.
  - e. **ASTM A184 (1979):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. ¶ 153, Ex. 152 at 18. However, 24 C.F.R. § 200, Subpart S does not reference this standard.
  - f. **ASTM A185 (1979):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00080317; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 23. However, 24 C.F.R. § 200, Subpart S does not reference this standard.
  - g. **ASTM A203/A203 M (1997):** PRO identifies 46 C.F.R. § 54.05-20(b) as the incorporating by reference regulation. ¶ 153, Ex. 152 at 31. However, 46 C.F.R. § 54.05-20(b) references ASTM A 203/A 203M-97 (Reapproved 2007)<sup>e1</sup>, not ASTM A203/A203 M (1997).

- h. **ASTM A242 (1979)**: PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00082342; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 36. However, 24 C.F.R. § 200, Subpart S does not reference this standard.
- i. **ASTM A285 (1978):** PRO identifies 10 C.F.R. § 440 Appendix A and 24 C.F.R. § 200 Appendix A as the incorporating by reference regulations. Wise Decl. ¶ 153, Ex. 152 at 40. However, 10 C.F.R. § 440 Appendix A and 24 C.F.R. 200 Appendix A do not reference this standard.
- j. **ASTM A307 (1978e):** PRO identifies 24 C.F.R. § 200, Subpart S and 46 C.F.R. 56.25-20(b) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_ 00082371; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 45. However, 24 C.F.R. § 200, Subpart S does not reference this standard, and 46 C.F.R. § 56.25-20(b) references the 1997 version of ASTM A307, not the 1978e version.
- k. **ASTM A325 (1979):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00082401; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 51. However, 24 C.F.R.§ 200, Subpart S does not reference this standard.
- 1. **ASTM A370-77**<sup>e2</sup>: PRO identifies 49 C.F.R. § 179.102-1(a)(1) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 62. However, 49 C.F.R. § 179.102-1(a)(1) incorporates ASTM A370-94 not ASTM A370-77<sup>e2</sup>. 49 C.F.R. § 179.102-1(a)(1).
- m. **ASTM A441-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 120. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A441-79.
- n. **ASTM A449-78a:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 124. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A449-78a.
- o. **ASTM A475-78(1984)**<sup>e1</sup>: PRO identifies 7 C.F.R. § 1755.370(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 131. However, 7 C.F.R. § 1755.370(b) incorporates ASTM A476-78, not ASTM A475-78(1984)<sup>e1</sup>.
- p. **ASTM A490-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO 00088099; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶

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- 153, Ex. 152 at 138. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A490-79.
- q. **ASTM A496-78:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 148. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A496-78.
- r. **ASTM A497-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 155. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A497-79.
- s. **ASTM A500-78:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 163. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A500-78.
- t. **ASTM A501-76:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00089127; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 171. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A501-76.
- u. **ASTM A502-76:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00090524; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 180. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A502-76.
- v. **ASTM A514-77:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 186. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A514-77.
- w. **ASTM A539-90a:** PRO identifies 24 C.F.R. § 3280.705(b)(4) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00091622; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19. However, 24 C.F.R. § 3280.705(b)(4) incorporates ASTM C539-99 not ASTM C539-90a. 24 C.F.R. § 3280.705(b)(4).
- x. **ASTM A570-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00091642; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 197. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A570-79.

- y. **ASTM A572-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Decl. ¶ 153, Ex. 152 at 202. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A572-79.
- z. **ASTM A588-79a:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 207. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A588-79a.
- aa. **ASTM A611-72(1979):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 211. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A611-72(1979).
- bb. **ASTM A615-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00091848; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 216. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A615-79.
- cc. **ASTM A616-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 224. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A616-79.
- dd. **ASTM A617-79:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 232. However, 24 C.F.R. § 200, Subpart S does not reference ASTM A617-79.
- ee. **ASTM B21-83b:** PRO identifies 46 C.F.R. § 56.60-2 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 246. However, 46 C.F.R. § 56.60-2 incorporates B21-96. Additionally, 46 C.F.R. § 56.60-2 only incorporates this standard with respect to certain copper alloys addressed in B21.
- ff. **ASTM B85-84:** PRO identifies 46 C.F.R. § 56.60-2 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 252. However, 46 C.F.R. § 56.60-2 incorporates B85-96. 46 C.F.R. § 56.60-2. Additionally, 46 C.F.R. § 56.60-2 only incorporates one table within ASTM B85-96—table X-2—and states that "[t]ension tests shall be performed to determine tensile strength, yield strength, and elongation" in accordance with the minimum value in X-2. *Id.* The remainder of the standard is unnecessary to determine the minimum value in X-2. *Id.* Table X-2 also contains values for sheer strength and fatigue strength that are unnecessary to understand the minimum value for the required tension tests. *Id.*

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- gg. **ASTM B580-79:** PRO identifies 49 C.F.R. § 171.7 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00093063; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 318. However, 49 C.F.R. § 171.7 incorporates ASTM B580-79 reapproved in 2000, not ASTM B580-79. 49 C.F.R. § 171.7.
- hh. **ASTM C5-79(1997):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00093990; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 330. However, 24 C.F.R. § 200, Subpart S does not reference ASTM C5-79.
- ii. **ASTM C150-99a:** PRO identifies 30 C.F.R. § 250.198 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 334. However, 30 C.F.R. § 250.198 incorporates ASTM C150-07, not ASTM C150-99a. 30 C.F.R. § 250.198.
- jj. **ASTM C330-99:** PRO identifies 30 C.F.R. § 250.901(a)(18) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00093937; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 378. However, 30 C.F.R. § 250.901(a)(18) incorporates ASTM C330-05, not ASTM C330-99. 30 C.F.R. § 250.901(a)(18).
- kk. **ASTM C509-84:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 384. However, 24 C.F.R. § 200, Subpart S does not reference ASTM C509-84.
- ll. **ASTM C516-80(1996)**<sup>e1</sup>: PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00094023; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 392. However, 24 C.F.R. § 200, Subpart S does not reference ASTM C516-80(1996)<sup>e1</sup>.
- mm. **ASTM C549-81(1995)**<sup>e1</sup>: PRO identifies 10 C.F.R. § 440, Appendix A as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00094157; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 411. However, 10 C.F.R. § 440, Appendix A incorporates ASTM C549-81 reapproved in 1986, not ASTM C549-81(1995)<sup>e1</sup>. 10 C.F.R. § 440, Appendix A.
- nn. **ASTM C564-70(1982):** PRO identifies 24 C.F.R. § 3280.611(d)(5)(iv) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 417. However, 24 C.F.R. § 3280.611(d)(5)(iv) incorporates ASTM C564-88 not ASTM C564-70(1982). 24 C.F.R. § 3280.611(d)(5)(iv).
- oo. **ASTM D86-07:** PRO identifies 40 C.F.R. § 1065.710 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106152; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 423.

- However, 40 C.F.R. § 1065.710 incorporates ASTM D86-12, not ASTM D86-07. 40 C.F.R. § 1065.710.
- pp. **ASTM D512-89(1999):** PRO identifies 40 C.F.R. § 136.3(a) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00104757; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 466. However, 40 C.F.R. § 136.3(a) incorporates ASTM D512a-04, D512b-04, and D512c-04 not ASTM D512-89(1999). 40 C.F.R. § 136.3(a).
- qq. **ASTM D814-95:** PRO identifies 40 C.F.R. § 1051.245(e)(1) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00105881; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 493. However, 40 C.F.R. § 1051.245(e)(1) does not incorporate ASTM D814-95. 40 C.F.R. § 1051.245(e)(1).
- rr. **ASTM D975-07:** PRO identifies 40 C.F.R. § 1065.710 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 517. However, 40 C.F.R. § 1065.710 incorporates ASTM D975-13a, not ASTM D975-07. 40 C.F.R. § 1065.710.
- ss. **ASTM D1246-95(1999):** PRO identifies 40 C.F.R. § 136.3(a), Table IB as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 546. However, 40 C.F.R. § 136.3(a), Table IB incorporates ASTM D1246-05, not ASTM D1246-95(1999). 40 C.F.R. § 136.3(a), Table IB.
- tt. **ASTM D1481-93(1997):** PRO identifies 40 C.F.R. § 136.3(a), Table IC as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 599. However, 40 C.F.R. § 136.3(a), Table IC does not incorporate ASTM D1481-93(1997). 40 C.F.R. § 136.3(a), Table IC.
- uu. **ASTM D1518-85 (1998)**<sup>e1</sup>: PRO identifies 46 C.F.R. § 160.174-17(f) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00095007; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 606. However, 46 C.F.R. § 160.174-17(f) incorporates ASTM D1518-85 reapproved in 1990, not ASTM D1518-85 (1998)<sup>e1</sup>. 46 C.F.R. § 160.174-17(f).
- vv. **ASTM D1785-86:** PRO identifies 46 C.F.R. § 56.01-2 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 661. However, 46 C.F.R. § 56.01-2 does not reference ASTM D1785-86. 46 C.F.R. § 56.01-2.
- ww. **ASTM D1890-96:** PRO identifies 40 C.F.R. § 136.3(a) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 678. However, 40 C.F.R. § 136.3(a) does not reference ASTM D1890-96. 40 C.F.R. § 136.3(a).

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- xx. **ASTM D2036-98:** PRO identifies 40 C.F.R. § 136.3(a), Table 1B as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 742. However, 40 C.F.R. § 136.3(a), Table 1B incorporates a different version of ASTM D2036. 40 C.F.R. § 136.3(a), Table 1B incorporates ASTM D2036-09(A) and (B), not ASTM D2036-98. 40 C.F.R. § 136.3(a), Table 1B.
- yy. **ASTM D2163-91 (1996):** PRO identifies 40 C.F.R. § 86.1313-94(f)(3) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 763. However, 40 C.F.R. § 86.1313-94 is reserved by 79 FR 23704 and does not reference ASTM D2163-91 (1996). 40 C.F.R. § 86.1313-94.
- zz. **ASTM D2986-95a (1999):** PRO identifies 40 C.F.R. § 86.1310-2007(b)(7)(i)(A) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 861. However, 40 C.F.R. § 86.1310-2007 is reserved by 79 FR 23704 and does not reference ASTM D2986-95a (1999). 40 C.F.R. § 86.1310-2007.
- aaa. **ASTM D3120-96:** PRO identifies 40 C.F.R. § 80.46(a)(3)(iii) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00103410; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 868. However, 40 C.F.R. § 80.46 incorporates a different version of ASTM D3120. 40 C.F.R. § 80.46 incorporates ASTM D3120-08, not ASTM D3120-96. 40 C.F.R. § 80.46.
- bbb. **ASTM D5257-97:** PRO identifies 40 C.F.R. § 136.3(a) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00104786; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1017. However, 40 C.F.R. § 136.3(a) incorporates ASTM D5257-11, not ASTM D5257-97. 40 C.F.R. § 136.3(a).
- ccc. **ASTM D5373-93 (1997):** PRO identifies 40 C.F.R. § 75, Appendix G as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00104803; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1025. However, 40 C.F.R. § 75, Appendix G incorporates a different version of ASTM D5373. 40 C.F.R. § 75, Appendix G incorporates ASTM D5373-02 (2007), not ASTM D5373-93 (1997). 40 C.F.R. § 75, Appendix G.
- ddd. **ASTM D5489-96a:** PRO identifies 16 C.F.R. § 423.8(g) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1031. However, 16 C.F.R. § 423.8(g) incorporates ASTM D5489-96c, not ASTM D5489-96a. 16 C.F.R. § 423.8(g).
- eee. **ASTM E23-82:** PRO identifies 46 C.F.R. § 56.50-105(a)(1)(ii) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106690; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶

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- 153, Ex. 152 at 1122. However, 46 C.F.R. § 56.50-105(a)(1)(ii) incorporates a different version of ASTM E23. 46 C.F.R. § 56.50-105(a)(1)(ii) incorporates ASTM E23-96, not ASTM E23-82. 46 C.F.R. §§ 56.50-105(a)(1)(ii); 56.01-2(e)(68).
- fff. **ASTM E145-94**<sup>e1</sup>: PRO identifies 40 C.F.R. § 63.14 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106516; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1182. However, 40 C.F.R. § 63.14(h)(103) incorporates ASTM E145-94 (2001), not ASTM E145-94<sup>e1</sup>. 40 C.F.R. § 63.14(h)(103).
- ggg. **ASTM E283-91 (1999):** PRO identifies 10 C.F.R. § 434.402.2 and 24 C.F.R. § 200, Appendix A as the incorporating by reference regulations. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106751; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1223. However, 10 C.F.R. § 434.402.2 does not reference ASTM E 283, and 24 C.F.R. § 200, Appendix A incorporates ASTM E283-91, not ASTM E283-91 (1999).
- hhh. **ASTM E408-71:** PRO identifies 16 C.F.R. § 460.5(b) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106805; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1230. However, 16 C.F.R. § 460.5(b) incorporates ASTM E408-71, reapproved in 2002, not ASTM E408-71. 16 C.F.R. § 460.5(b).
- iii. **ASTM E424-71:** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106810; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1235. However, 24 C.F.R. § 200, Subpart S does not reference ASTM E424-71. 24 C.F.R. § 200, Subpart S.
- jjj. **ASTM E606-80:** PRO identifies 24 C.F.R. § 200.946 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106820; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1244. However, 24 C.F.R. § 200.946 does not reference ASTM E606-80. 24 C.F.R. § 200.946.
- kkk. **ASTM E695-79 (1997)**<sup>e1</sup>: PRO identifies 24 C.F.R. § 200.946(a)(1)(viii) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106851; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1273. However, 24 C.F.R. § 200.946(a)(1)(viii) incorporates ASTM E 695-79, reapproved in 1991, not ASTM E695-79 (1997)<sup>e1</sup>. 24 C.F.R. § 200.946(a)(1)(viii).
- Ill. **ASTM E711-87 (1992):** PRO identifies 40 C.F.R. § 63, Subpart DDDDD, Table 6 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106859; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1279. However, 40 C.F.R. § 63, Subpart DDDDD

- cites ASTM E711-87, reapproved in 2004, not ASTM E711-87 (1992). 40 C.F.R. §§ 63, Subpart DDDDD; 63.14(h)(108).
- mmm. **ASTM E776-87 (1992):** PRO identifies 40 C.F.R. § 63, Subpart DDDDD, Table 6 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00106908; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1300. However, 40 C.F.R. § 63, Subpart DDDDD, Table 6 incorporates ASTM E776-87, reapproved in 2009, not ASTM E776-87 (1992). 40 C.F.R. §§ 63, Subpart DDDDD; 63.14(h)(109).
- nnn. **ASTM E885-88:** PRO identifies 40 C.F.R. § 63, Subpart DDDDD, Table 6 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1308. However, 40 C.F.R. § 63, Subpart DDDDD, Table 6 does not reference ASTM E885-88. 40 C.F.R. § 63, Subpart DDDDD, Table 6.
- ooo. **ASTM E1337-90 (1996):** PRO identifies 49 C.F.R. §§ 571.105, S6.9.2(a) as the incorporating by reference regulations. Wise Decl. ¶ 153, Ex. 152 at 1336. However, 49 C.F.R. §§ 571.105 and 571.5 incorporate ASTM E1337-90, reapproved in 2008, not ASTM E1337-90 (1996). 49 C.F.R. §§ 571.105(a), (b); 571.5(d)(39).
- ppp. **ASTM F462-79 (1999):** PRO identifies 24 C.F.R. § 200, Subpart S as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107383; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19. However, 24 C.F.R. § 200, Subpart S does not reference ASTM F462-79 (1999). 24 C.F.R. § 200, Subpart S.
- qqq. **ASTM F478-92 (1999):** PRO identifies 29 C.F.R. § 1910.137(b)(2)(ix) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107415; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1343. However, 29 C.F.R. § 1910.137(b)(2)(ix) incorporates a different version of ASTM F478. 29 C.F.R. § 1910.137(b)(2)(ix) incorporates ASTM F478-09, not ASTM F478-92 (1999).
- rrr. **ASTM F631-80 (1985):** PRO identifies 33 C.F.R. § 156.40 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1349. However, 33 C.F.R. § 156.40 does not exist; 33 C.F.R. § 156.400 does not reference any ASTM standard, and 33 C.F.R. § 156.106(e)(1) incorporates a different version of ASTM F631. 33 C.F.R. § 156.106(e)(1) incorporates ASTM F631-93, not ASTM F631-80 (1985).
- sss. **ASTM F682-82a (1988):** PRO identifies 46 C.F.R. § 56.01-2 as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1361. However, 46 C.F.R. § 56.01-2 incorporates ASTM F682-82a, reapproved in 2008, not ASTM F682-82a (1988). 46 C.F.R. § 56.01-2(e)(69).

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- ttt. **ASTM F715-81 (1986):** PRO identifies 33 C.F.R. § 154.106 as the incorporating by reference regulations. Wise Decl. ¶ 153, Ex. 152 at 1368. However, both 33 C.F.R. §§ 155, Appendix B and 154.106 incorporate a different version of ASTM F715. 33 C.F.R. §§ 155, Appendix B and 154.106 incorporate ASTM F715-95, not ASTM F715-81 (1986). 33 C.F.R. §§ 155.140(c)(2); 155, Appendix B; 154.106(e)(2).
- uuu. **ASTM F722-82 (1988):** PRO identifies 33 C.F.R. §§ 155.140 as the incorporating by reference regulations. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107471; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1377. However, 33 C.F.R. §§ 155.140 does not reference ASTM F722, and 33 C.F.R. § 154, Appendixes A and B incorporate ASTM F722-82, reapproved in 2008, not ASTM F722-82 (1988). 33 C.F.R. § 154, Appendix A, B; 154.106(e)(3).
- vvv. **ASTM F808-83 (1988)e1:** PRO identifies 33 C.F.R. § 154, Appendix C, 6.3.1 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107483; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1389. However, 33 C.F.R. § 154, Appendix C cites, but does not incorporate by reference, "Item 26 in ASTM F 808." 33 C.F.R. § 154, Appendix C. ASTM F808-83 is also not included amongst the ASTM standards incorporated by reference in 33 C.F.R. § 154.106.
- www. **ASTM F1006-86 (1997):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107009; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1403. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1006-86, reapproved in 2008, not ASTM F1006-86 (1997). 46 C.F.R. §§ 56.60-1(b), 56.60-2(e)(70).
- xxx. **ASTM F1007-86 (1996)**<sup>e1</sup>: PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1408. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1007-86, reapproved in 2007, not ASTM F1007-86 (1996)<sup>e1</sup>. 46 C.F.R. §§ 56.60-1(b), 56.60-2(e)(70).
- yyy. **ASTM F1020-86 (1996)**<sup>e1</sup>: PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1420. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1020-86, reapproved in 2011, not ASTM F1020-86 (1996)<sup>e1</sup>. 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(72).
- **ASTM F1120-87 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1424. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1120-87, reapproved in 2010, not ASTM F1120-87 (1998). 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(73).

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- aaaa. **ASTM F1121-87 (1998):** PRO identifies 33 C.F.R. § 126.15(a)(5) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107047; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1433. However, 33 C.F.R. § 126.15(a)(5) incorporates ASTM F1121-87, reapproved in 2010, not ASTM F1121-87 (1998). 33 C.F.R. §§ 126.15(a)(5), 126.5(b).
- bbbb. **ASTM F1122-87 (1998):** PRO identifies 33 C.F.R. § 154.500(d)(3) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107055; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1437. However, 33 C.F.R. § 154.500(d)(3) incorporates ASTM F1122-87, reapproved in 1992, not ASTM F1122-87 (1998). 33 C.F.R. §§ 154.500(d)(3), 154.106(e)(4).
- cccc. **ASTM F1123-87 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1451. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1123-87, reapproved in 2010, not ASTM F1123-87 (1998). 46 C.F.R. § 56.60-1(b), 56.01-2(e)(74).
- dddd. **ASTM F1139-88 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107074; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1139-88, reapproved in 2010, not ASTM F1139-88 (1998). 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(75).
- eeee. **ASTM F1172-88 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1481. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1172-88, reapproved in 2010, not ASTM F1172-88 (1998). 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(76).
- ffff. **ASTM F1199-88 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1523. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1199-88, reapproved in 2010, not ASTM F1199-88 (1998). 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(78).
- gggg. **ASTM F1200-88 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107162; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1200-88, reapproved in 2010, not ASTM F1200-88 (1998). 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(79).
- hhhh. **ASTM F1201-88 (1998):** PRO identifies 46 C.F.R. § 56.60-1(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1528. However, 46 C.F.R. § 56.60-1(b) incorporates ASTM F1201-88,

- reapproved in 2010, not ASTM F1201-88 (1998). 46 C.F.R. §§ 56.60-1(b), 56.01-2(e)(80).
- iiii. **ASTM F1271-90 (1995)**<sup>e1</sup>: PRO identifies 46 C.F.R. § 39.20-9(c)(1) as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00241177; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1534. However, 46 C.F.R. § 39.20-9(c)(1) does not exist, and 46 C.F.R. § 39.2009(a)(3) incorporates a different version of ASTM F1271. 46 C.F.R. § 39.2009(a)(3) incorporates a different version of ASTM F1271. 46 C.F.R. § 39.2009(a)(3) incorporates ASTM F1271-89, not ASTM F1271-90 (1995)<sup>e1</sup>. 46 C.F.R. §§ 39.2009(a)(3), 39.1005(d)(2).
- jjjj. **ASTM F1273-91 (1996)**<sup>e1</sup>: PRO identifies 46 C.F.R. § 32.20-10 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107183; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1540. However, 46 C.F.R. § 32.20-10 incorporates ASTM F1273-91, reapproved in 2007, not ASTM F1273-91 (1996)<sup>e1</sup>. 46 C.F.R. §§ 32.20-10, 32.01-1(c)(2).
- kkkk. **ASTM F1323-98:** PRO identifies 46 C.F.R. § 63.25-9 as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00107247; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1576. However, 46 C.F.R. § 63.25-9(a) incorporates a different version of ASTM F1323. 46 C.F.R. § 63.25-9(a) incorporates ASTM F1323-2001, not ASTM F1323-98. 46 C.F.R. §§ 63.25-9(a), 63.05-1(d)(1).
- IIII. **ASTM F1471-93:** PRO identifies 40 C.F.R. § 86.1310-2007(b)(1)(iv)(B) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1585. However, 40 C.F.R. § 86.1310-2007 is reserved by 79 FR 23704 and does not reference ASTM F1471. 40 C.F.R. § 86.1310-2007.
- mmmm. **ASTM F1546/F1546M-96:** PRO identifies 46 C.F.R. § 162.027-3(a) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1599. However, 46 C.F.R. § 162.027-3(a) incorporates ASTM F1546/F1546 M-96, reapproved in 2012, not ASTM F1546/F1546M-96. 46 C.F.R. §§ 162.027-3(a); 162.027-2(b)(1).
- nnnn. **ASTM G154-00a:** PRO identifies 49 C.F.R. § 571.106, S12.7(b) as the incorporating by reference regulation. Wise Decl. ¶ 153, Ex. 152 at 1631. However, 49 C.F.R. § 571.106 incorporates ASTM G154-00, not ASTM G154-00a. 49 C.F.R. §§ 571.106, 571.5(d)(38).

#### Incorrect Citations re: NFPA's Standards

37. Additionally, PRO's posting of the 2000 edition of NFPA 101 states that it is posted

"By Authority of the Code of Federal Regulations: 59 C.F.R. 130." Wise Decl. ¶ 168, Ex. 167 at

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1. The Code of Federal Regulations, however, currently spans only Titles 1 to 50; there is no Title

59. See Code of Federal Regulations (Annual Edition), available at

https://www.govinfo.gov/app/collection/C.F.R.

38. Similarly, PRO's postings on the Internet Archive often point to outdated regulations, with no information that the regulation has been superseded. For example, PRO's

posting of the 2005 edition of NFPA 70 says it is posted "By Authority of the Code of Federal

Regulations: 49 C.F.R. 192.189(c)." Wise Decl. ¶ 168, Ex. 167 at 2. That section provides that

"[e]lectrical equipment in vaults must conform to the applicable requirements of Class 1, Group

D, of the National Electrical Code, NFPA-70 (incorporated by reference, see § 192.7)." Section

192.7(h), however, incorporates the 2011, not the 2005, edition of NFPA 70. 49 C.F.R. §

192.7(h)(4).

39. Likewise, PRO's copy of the 2003 NFPA 30 states that it is posted "*By Authority of the Code of Federal Regulations*: 49 C.F.R. 192." Wise Decl. ¶ 168, Ex. 167 at 3. Section 192.7 of Title 49 incorporates the 2012 edition of NFPA 30, but not the 2003 edition. 49 C.F.R. §

192.(h)(1).

40. PRO's posting of the 2005 NFPA 99 contains the same error, telling readers it is posted "By Authority of the Code of Federal Regulations: 38 C.F.R. 51.200(b)(4)," Wise Decl. ¶ 168, Ex. 167 at 4, even though that section references the 2012 edition of NFPA 99. 38 C.F.R. § 51.200(i)(2)(ii).

## Incorrect Citations re: ASHRAE's Standards

41. In addition, PRO's posting of ASHRAE Standard 90.1-2004 on the Internet Archive states that is has been incorporated by reference in Minnesota, Maine and Nevada, Wise Decl. ¶ 170, Ex. 169 at 1, but those states' codes are actually based on a different standard, the

International Energy Conservation Code ("IECC"), for which compliance with ASHRAE 90.1 is just an alternative compliance option, Wise Decl. ¶ 171, Ex. 170.

- 42. The same is true with PRO's posting of ASHRAE Standard 90.1-2007, which asserts that the standard has been incorporated in Illinois and California, ¶ 170, Ex. 169 at 2, which both have adopted the IECC rather than 90.1 or created their own codes that are more stringent than even later versions of 90.1 (that postdate what PRO has posted), Wise Decl. ¶ 171, Ex. 170.
- 43. PRO's postings on Internet Archive also point to instances where the statute or regulation incorporating the standard triggers an obligation for a government actor but not for individuals. For instance, PRO's postings of ASHRAE 90.1-2004 and ASHRAE 90.1-2007 both reference 10 C.F.R. § 433.4, which states "[a]ll Federal agencies shall design new Federal buildings" that meet the ASHRAE standards, but does not impose a similar requirement on private actors. *See* Wise Decl. ¶ 170, Ex. 169.

# C. PRO Copies And Distributes Plaintiffs' Works, Regardless Of Whether They Are Essential To Comply With Any Legal Duty

ASTM Standards (And Portions Thereof) That Do Not Impose Legal Duties

- 44. Apart from the instances where PRO has redacted the ASTM logo discussed above, PRO reproduced and displayed the full text of each of the ASTM Standards. Wise Decl. ¶¶ 151, 153, Exs. 150, 152; Rubel Decl. ¶ 5, Ex. 2 (Rule 30(b)(6) Dep. of Public Resource at 158:22-159:6).
- 45. PRO posted in their entirety numerous standards that are incorporated by regulations in such a manner as to be optional or references. For example, 40 C.F.R. § 86.113-04(a)(1) incorporates ASTM D86-07, the "Standard Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure." But the regulation expressly provides that ASTM D86 is a mere "reference procedure," and that a regulated entity can comply with the

codified requirements by meeting "substantially equivalent specifications approved by the EPA Administrator." *See* 40 C.F.R. § 86.113-04(a)(1).

- 46. Similarly, PRO identifies 40 C.F.R. Appendix D to Part 75, the "Optional S02 Emmissional Data Protocol for Gas-Fired and Oil-Fired Units" as the regulation incorporating ASTM standard D1217-93, the "Standard Test Method for Density and Relative Density (Specific Gravity) of Liquids by Bingham Pycnometer." This regulation incorporates the standard to be optional; Subsection 2.2.4.3(d) expressly provides an alternative procedure for sampling oil from shipment tanks or containers and testing samples for density, of which D1217-93 is just one. *See* 40 C.F.R. Appendix D to Part 75.
  - 47. This is true for other ASTM Works as well. For instance:
    - a. **ASTM F715-95:** PRO identifies 33 C.F.R. § 155, Appendix B, 2.4 as the regulation that incorporates ASTM F715-95, the "Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage." Wise Decl. ¶ 153, Ex. 152 at 1368. This regulation expressly states that testing must be in accordance with either ASTM F715 "or other tests approved by the Coast Guard."
    - b. **ASTM F1321-92:** PRO identifies 46 C.F.R. § 28.535(d) as the regulation that incorporates ASTM F1321, the "Standard Guide for Conducting a Stability Test (Lightweight Survey and Inclining Experiment) to Determine Light Ship Displacement and Centers of Gravity of a Vessel." Wise Decl. ¶ 153, Ex. 152 at 1546. This regulation expressly states that ASTM F1321 "may be used as guidance for any inclining test or deadweight survey conducted under this section."
    - c. ASTM A369-A369M-92, B42-96, B68-95, B75-97, B88-96, B111-95, B 315-93, and F1006: PRO identifies 46 C.F.R. § 56.60-1(b), as the incorporating by reference regulation. Wise Decl. ¶ 151, Ex. 150 at PRO\_00085147, PRO\_00092176, PRO\_00092980, PRO\_00093012, PRO\_00093103, PRO\_00093196, PRO\_00093301, and PRO\_00107009; Wise Decl. ¶ 165, Ex. 164 at Interrog. 19; Wise Decl. ¶ 153, Ex. 152 at 1403. The regulation contains a table of acceptable commercial standards from American National Standards Institute, ASTM, American Society for Mechanical Engineers, and several other SDOs that are each considered to comply with the regulation. 46 C.F.R. § 56.60-1(b). The regulation also contains a note indicating that: "The Coast Guard

will consider use of alternative pipes, tubing, and fittings when it receives certification of their mechanical properties." 46 C.F.R. § 56.60-1(b).

- 48. On numerous occasions, PRO posted entire ASTM Standards, when only a portion of those standards is actually incorporated by reference into law. For instance:
  - a. **ASTM B122/B122M:** PRO identifies 46 C.F.R. § 119.440 as the incorporating by reference regulation, Wise Decl. ¶ 151, Ex. 150 at PRO\_00092264, but that regulation only incorporates B122/B122M with respect to copper alloy C71500, one of eleven copper alloys addressed in the standard. 46 C.F.R. § 119.440. The portions of the standard related to the other ten copper alloys are unnecessary to understand the minimum thickness for copper alloy C71500. *See* Wise Decl. ¶ 151, Ex. 150 at PRO 00092264.
  - b. **ASTM B85-96:** PRO identifies 46 C.F.R. § 56.60-2 as the incorporating by reference regulation, Wise Decl. ¶ 153, Ex. 152 at 252, but that regulation only incorporates one table within ASTM B85-96—table X-2—and states that "[t]ension tests shall be performed to determine tensile strength, yield strength, and elongation" in accordance with the minimum value in X-2. 46 C.F.R. § 56.60-2. The remainder of the standard is unnecessary to determine the minimum value in X-2. *See* Wise Decl. ¶ 153, Ex. 152 at 252. Table X-2 also contains values for sheer strength and fatigue strength that are unnecessary to understand the minimum value for the required tension tests. *Id*.
  - c. **ASTM B283-96:** PRO identifies 46 C.F.R. § 56.60-2 as the incorporating by reference regulation, Wise Decl. ¶ 151, Ex. 150 at PRO\_00092925, but that regulation only requires that tension tests shall be performed to determine tensile strength, yield strength, and elongation with the minimum values listed in Table 3 of ASTM B283-96. 46 C.F.R. § 56.60-2. All portions of the standard other than Table 3 are unnecessary to comply with the regulation. Additionally, Table 3 provides Rockwell hardness measurements, which are also unnecessary to understand the minimum value required for other three measurements. *See* Wise Decl. ¶ 151, Ex. 150 at PRO 00092925.
  - d. **ASTM E23:** PRO identifies 46 C.F.R. § 56.50-105(a)(1)(ii) as the incorporating by reference regulation, Wise Decl. ¶ 151, Ex. 150 at PRO\_00106690, but that regulation requires testing for low temperature toughness using the Charpy V-notch specimen as shown in ASTM E23, Figure 4. 46 C.F.R. 56.50-105(a)(1)(ii). Only Figure 4—no other part of the standard—is necessary to determine the low temperature toughness. *Id.*

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- e. **ASTM E145-94 (2001):** PRO identifies 40 C.F.R. § 63.14 as the incorporating by reference regulation, Wise Decl. ¶ 151, Ex. 150 at PRO\_00106516, but Appendix A to Subpart PPPP of 40 C.F.R. § 63.14 references only forced draft oven types IIA or IIB. 40 C.F.R. § 63.14. The ASTM E145-94 (2001) standard addresses other types of forced draft ovens. *See* Wise Decl. ¶ 151, Ex. 150 at PRO\_001065.
- 49. In addition, PRO posts certain ASTM Standards in their entirety, despite the fact that the incorporation by reference has no direct legal effect on any private party's conduct. As just one example, ASTM A307 is incorporated by reference in 46 C.F.R. § 56.25-20(b), which governs the design, construction, and installation of piping systems in marine vessels. The regulation provides that, with respect to bolts used in ships' and barges' piping systems, "[w]hen class 250 cast iron flanges are used or when class 125 cast iron flanges are used with ring gaskets, the bolting material must be carbon steel conforming to ASTM A307 (incorporated by reference, see 46 C.F.R. § 56.01-2), Grade B." 46 C.F.R. § 56.25-20(b). The persons governed by the regulation at issue—those who design, construct and install piping systems in marine vessels—do not need access to ASTM A307 to comply with this regulation. They simply have to purchase bolts that are designated as A307, Grade B bolts; they do not need to know how to manufacture such bolts.
- 50. ASTM's standards also contain numerous non-mandatory portions that are aids or supplements to the standard. For example, ASTM's Manual of Style contains certain sections that must be included in each ASTM standard, such as the title of the standard. O'Brien Decl. Ex. 5 at A-2. Other sections, are only included when the subject matter is pertinent to the document. *Id*.
  - 51. ASTM standards may include the following non-mandatory sections:
    - a. **Appendixes:** "Additional information may be included in one or more annexes or appendixes.... There are times when it is desirable to include in a specification additional information for general use and guidance but which does not constitute a mandatory part of the [standard]. *Id.* at B-8.

b. **Summary of Changes:** Identifies the "location of selected changes to [the] standard since the last issue. . ." *Id.* at C-3.

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- c. **Summary of Test Method:** "[a] brief outline of the test method, describing in the passive voice its essential features without the details that are a necessary part of the complete statement of procedure." *Id.* at A-5.
- d. **Significance and Use:** "[i]nclude in this section information that explains the relevance and meaning of the test. State the practical uses for the test and how it is typically employed." *Id*.
- e. **Supplementary requirements:** "These should not include statements that would allow the lowering of minimum requirements of the standard . . . . Usually these only apply when specified by the purchaser in the purchase order or contract." *Id.* at B-7.
- 52. There are 61 ASTM standards at issue in this motion that contain appendixes. Wise Decl. at ¶ 148, Ex. 149.

Ctandand	Edition	Din Cita
Standard	Edition	Pin Cite
A106/A106 M	1994	ASTM000200-01.
B21	1979a	ASTM000363.
B68	1996	ASTM000469.
B75	1997	ASTM000498-99.
B124	1984	ASTM000505-07.
B209	1995	ASTM000375.
B283	1995	ASTM000380-81.
D86	1996	ASTM000385.
D512	1980e 1	ASTM000436-39.
D975	1996	ASTM000452-54
D2216	1993	ASTM000463.
D4329	1979	ASTM001693.
D4986	1986	ASTM000491-92.
A106/A106 M	1979(1997)	ASTM000523.
B21	1989(1993) <sup>e1</sup>	ASTM000564.
B68	1984	ASTM000570-71.
B75	1970(1982)	ASTM000597.
B124	2007	ASTM001208-14.
B209	1998	ASTM000998-1000.
B283	1989(1999)	ASTM001095.
D86	2007	ASTM001220-34.
D512	1998b	ASTM001238-53.
D975	1990(1994) <sup>e1</sup>	ASTM001698.
D2216	1995(1999)	ASTM000608-609.
D4329	1986(1996)	ASTM000613.
D4986	1993(1997)	ASTM000641-42.
A106/A106 M	1995	ASTM000712.

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Standard	Edition	Pin Cite
B21	1986	ASTM000722-25.
B68	1997	ASTM000727-29.
B75	1996	ASTM000752-56.
B124	1996	ASTM000781-82.
B209	1998	ASTM000796-800.
B283	1991(1996)	ASTM000806-807.
D86	1998	ASTM000896-901.
D512	1996	ASTM000918-19.
D975	1996	ASTM000956-57.
D2216	1996	ASTM000965-66.
D4329	1998	ASTM000984-86.
D4986	1995	ASTM001042-44.
A106/A106 M	1998	ASTM001088-89.
B21	1996	ASTM001113.
B68	1998a	ASTM001122-23.
B75	1998	ASTM001147-60.
B124	1982	ASTM001342-44.
B209	1980	ASTM001405-406.
B283	1995	ASTM001446-48.
D86	1971	ASTM001736-37.
D512	1980	ASTM001376-79.
D975	1985	ASTM001744.
D2216	1987(1992)	ASTM001388-90.
D4329	1997	ASTM001414.
D4986	1980(1985)	Page 829.
A106/A106 M	1993	ASTM001632.
B21	1982a(1988)	ASTM001636-37.
B75	1992	ASTM001561-74.
B124	1998	ASTM001580-81.
B209	1993	ASTM001588-93.
B283	1999	ASTM001609-11.
D86	1990	ASTM001681-82.
D512	1997	ASTM001668-69.
D975	2000a	ASTM001674-78.

53. There are 13 ASTM standards at issue in this motion that contain a summary of changes. Wise Decl. ¶ 148, Ex. 149.

Standard	Edition	Pin Cite
A106/A106 M	2004b	Page 8.
B21	1996	ASTM000434.
B68	1995	ASTM000485.
B75	1997	ASTM000499.
B124	1996	ASTM000385.
B209	1996	ASTM000424.

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B283	1996	ASTM000454-55.
D86	2007	ASTM001215.
D512	1989(1999)	ASTM001096.
D975	2007	ASTM001235.
D2216	1998	ASTM000811-12.
D4329	1999	ASTM001069-70.
D4986	1998	ASTM001089.

54. There are 65 ASTM standards at issue in this motion that contain a summary of test method section. Wise Decl. ¶ 148, Ex. 149.

Standard	Edition	Pin Cite
C177	1997	ASTM000534-35.
C236	1989(1993) <sup>e1</sup>	ASTM000555.
C518	1991	ASTM000578.
D86	2007	ASTM001190.
D129	1995	ASTM000631.
D512	1989(1999)	ASTM001091-93.
D611	1982(1998)	ASTM001124.
D665	1998e 1	ASTM001181.
D1217	1993(1998)	ASTM000601.
D1246	1995(1999)	ASTM000606.
D1253	1986(1996)	ASTM000610.
D1266	1998	ASTM000614-15.
D1298	1999	ASTM000626.
D1335	1967(1972)	ASTM000636.
D1480	1993(1997)	ASTM000647.
D1481	1993(1997)	ASTM000653.
D1552	1995	ASTM000693
D1688	1995	ASTM000707-08;
		ASTM000710.
D1890	1996	ASTM000731.
D1943	1996	ASTM000736.
D1945	1996	ASTM000741.
D2013	1986(1994)	ASTM000763.
D2015	1996	ASTM000774-75.
D2036	1998	ASTM000783-84.
D2163	1991(1996)	ASTM000802.
D2216	1998	ASTM000809.
D2460	1997	ASTM000830.
D2502	1992(1996)	ASTM000835.
D2503	1992(1997)	ASTM000839.
D2597	1994(1999)	ASTM000865-66.
D2622	1998	ASTM000875.
D2724	1987(1995)	Page 2.
D2879	1997	ASTM000903-04.

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D2120	1006	A CTN (00001 4
D3120	1996	ASTM000914.
D3173	1987(1996)	ASTM000920.
D3178	1989(1997)	ASTM000929.
D3236	1988(1999)	ASTM000943.
D3246	1996	ASTM000951.
D3286	1996	ASTM000958-59.
D3454	1997	ASTM000971.
D3697	1992(1996)	ASTM000987.
D4239	1997 <sup>e1</sup>	ASTM001045-46.
D4294	1998	ASTM001061.
D4809	1995	ASTM001072.
D4891	1989(1994) <sup>e1</sup>	ASTM001080.
D4986	1998	ASTM001084.
D5257	1997	ASTM001097-98.
D5373	1993(1997)	ASTM001103-04.
D5673	1996	ASTM001108.
D5865	1998a	ASTM001114-15.
D6228	1998	ASTM001161-62.
D6420	1999	ASTM001168.
D6503	1999	ASTM001174.
E23	1982	ASTM001321.
E96	1995	ASTM001441-42.
E283	1991(1999)	ASTM001258.
E408	1971	ASTM001730-31.
E424	1971	ASTM001733.
E681	1985	ASTM001738.
E695	1979(1997) <sup>e1</sup>	ASTM001380.
E711	1987(1992)	ASTM001384.
E776	1987(1992)	ASTM001749.
E885	1988	ASTM001416-17.
E1337	1990(1996)	ASTM001268.
F1471	1993	ASTM001582-83.

55. There are 95 ASTM standards at issue in this motion that contain a significance and use section. Wise Decl. at Ex ¶ 148, Ex. 149.

Standard	Edition	Pin Cite
B557	1984	ASTM000470.
C177	1997	ASTM000535-36.
C236	1989(1993) <sup>e1</sup>	ASTM000555-56.
C509	1984	ASTM000566-67.
C518	1991	ASTM000578-79.
D86	2007	ASTM001190.

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Standard	Edition	Pin Cite
D512	1989(1999)	ASTM001090.
D611	1982(1998)	ASTM001124.
D665	1998 <sup>e1</sup>	ASTM001181-82.
D814	1995	ASTM001717.
D1217	1993(1998)	ASTM000601.
D1246	1995(1999)	ASTM000606.
D1253	1986(1996)	ASTM000610.
D1266	1998	ASTM000615.
D1298	1999	ASTM000626.
D1335	1967(1972)	ASTM000636.
D1412	1993(1997)	ASTM000639.
D1480	1993(1997)	ASTM000647.
D1481	1993(1997)	ASTM000653.
D1518	1985(1998) <sup>e1</sup>	ASTM000660.
D1552	1995	ASTM000693.
D1688	1995	ASTM000706.
D1835	1997	ASTM000728-29.
D1890	1996	ASTM000731.
D1943	1996	ASTM000736-37.
D1945	1996	ASTM000741.
D1946	1990(1994) <sup>e1</sup>	ASTM000757.
D2013	1986(1994)	ASTM000763.
D2015	1996	ASTM000775.
D2036	1998	ASTM000784.
D2163	1991(1996)	ASTM000802.
D2216	1998	ASTM000809.
D2234	1998	ASTM000814.
D2460	1997	ASTM000830.
D2502	1992(1996)	ASTM000835.
D2503	1992(1997)	ASTM000839.
D2597	1994(1999)	ASTM000866.
D2622	1998	ASTM000875-76.
D2724	1987(1995)	Page 2.
D2777	1998	ASTM000889.
D2879	1997	ASTM000904.
D3120	1996	ASTM000914.
D3173	1987(1996)	ASTM000920

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Standard	Edition	Pin Cite
D3178	1989(1997)	ASTM000929.
D3236	1988(1999)	ASTM000943-44.
D3246	1996	ASTM000951.
D3286	1996	ASTM000959.
D3371	1995	ASTM000967.
D3454	1997	ASTM000971-72.
D3588	1998	ASTM000979-80.
D3697	1992(1996)	ASTM000987.
D4177	1995	ASTM001020.
D4239	1997 <sup>e1</sup>	ASTM001046.
D4268	1993	ASTM001055-59.
D4294	1998	ASTM001061.
D4329	1999	ASTM001066-67.
D4809	1995	ASTM001072.
D4891	1989(1994) <sup>e1</sup>	ASTM001080.
D4986	1998	ASTM001084-85.
D5257	1997	ASTM001098.
D5373	1993(1997)	ASTM001104.
D5489	1996a	Page 775.
D5673	1996	ASTM001108.
D5865	1998a	ASTM001115.
D6216	1998	ASTM001135-36.
D6228	1998	ASTM001162.
D6420	1999	ASTM001168.
D6503	1999	ASTM001174.
E23	1982	ASTM001321.
E72	1980	ASTM001393-400.
E96	1995	ASTM001442.
E169	1987	ASTM001297-98.
E185	1982	ASTM001312-13.
E260	1996	ASTM001346.
E283	1991(1999)	ASTM001258.
E424	1971	ASTM001733.
E606	1980	ASTM001367-68.
E681	1985	ASTM001738.
E695	1979(1997) <sup>e1</sup>	ASTM001380.

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Standard	Edition	Pin Cite
E711	1987(1992)	ASTM001385.
E773	1997	ASTM001407.
E776	1987(1992)	Yes, ASTM001749.
E885	1988	ASTM001417.
E1337	1990(1996)	ASTM001268.
F478	1992(1999)	ASTM001620.
F631	1980(1985)	Page 826-27.
F631	1993	ASTM001629.
F715	1981(1986)	Page 803.
F715	1995	ASTM 1638.
F808	1983(1988) <sup>e1</sup>	ASTM001652 - 53.
F1321	1992	ASTM001548.
F1471	1993	ASTM001583.
G21	1990	ASTM001679
G151	1997	ASTM001661 - 62.
G154	2000a	ASTM001671

56. There are 23 ASTM standards at issue in this motion that contain a supplementary requirements section. Wise Decl. ¶ 148, Ex. 149.

Standard	Edition	Pin Cite
A36	1977a <sup>e</sup>	Pages (136-38).
A36/A36M	1997a <sup>e1</sup>	ASTM003436.
A106/A106 M	2004b	Pages 7-8.
A203/A203 M	1997	ASTM000171.
A242	1979	ASTM000182.
A285	1978	ASTM000184-85.
A333/A 333M	1994	ASTM000200.
A369/A 369M	1992	ASTM000205.
A441	1979	ASTM000262-63.
A514	1977	ASTM000309-11.
A522/A 522M	1995b	ASTM000321.
A572	1979	ASTM000330-31.
A588	1979a	ASTM000332-33.
A615	1979	ASTM000342.
A633	1979a	ASTM000361-62.
B16	1992	ASTM000392.
B42	1996	ASTM000468.

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Standard	Edition	Pin Cite
B88	1996	ASTM000517.
B96	1993	ASTM000521.
B111	1995	ASTM000374-75.
B283	1996	ASTM000451.
E11	1995	ASTM001265.
F1120	1987(1998)	ASTM001466.

### NFPA Standards (and Portions Thereof) That Do Not Impose Legal Duties

- 57. Each of NFPA's 23 standards at issue in this case include sections that are optional, or permissive, designated by the language "shall be permitted" or "shall not be required." As explained in the 2014 NEC: "Permissive rules of this Code are those that identify actions that are allowed but not required, are normally used to *describe options or alternative methods*, and are characterized by the use of the terms *shall be permitted* or *shall not be required*." Supp. Pauley Decl. ¶ 27, Ex. P (NFPA 70, 2014 ed.) at art. 90.5(B) (NFPA-PR0098088) (emphasis added). An example of such an optional rule is article 324.56(A) of the 2014 NEC regarding FCC Systems Alterations, which states "Alterations to FCC systems shall be permitted." *Id.* Ex. P at art. 324.56(A) (NFPA-PR0098260).
- 58. Similar optional provisions appear throughout the standards. *See* Supp. Pauley Decl. Ex. A (NFPA 1, 2003 ed.) at ch. 10.13.3.10 at 1-49 (NFPA-PR0013107); Ex. B (NFPA 1, 2006 ed.) at ch. 20.5.2.3.2 at 1-139 (NFPA-PR0013654); Ex. C (NFPA 10, 2002 ed.) at ch. 6.1.6 at 10-12 (NFPA-PR0014084); Ex. D (NFPA 11, 2005 ed.) at ch. 6.10.2.3 at 11-25 (NFPA-PR0014167); Ex. E (NFPA 12, 2005 ed.) at ch. 4.3.3.1.2 at 12-8 (NFPA-PR0014251); Ex. F (NFPA 13, 2002 ed.) at ch. 9.2.4.2 at 13-85 (NFPA-PR0014394); Ex. G (NFPA 25, 2002 ed.) at ch. 13.2.3.3 at 25-40 (NFPA-PR0020279); Ex. H (NFPA 30, 2003 ed.) at ch. 7.3.7.7 at 30-64 (NFPA-PR0014720); Ex. I (NFPA 54 (2006 ed.) at ch. 5.3.2.2 at 54-17 (NFPA-PR0014807); Ex. J (NFPA 58, 2001 ed.) at ch. 8.2.2.6 at 58-60 (NFPA-PR0015018); Ex. K (NFPA 58, 2004 ed.) at

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ch. 5.7.1.4(C) at 58-15 (NFPA-PR0015096); Ex. L (NFPA 59, 2004 ed.) at ch. 5.5.2.6 at 59-13 (NFPA-PR0015228); Ex. M (NFPA 70, 1999 ed.) at ch. 240-23 at 70-76 (NFPA-PR0015342); Ex. N (NFPA 70, 2005 ed.) at ch. 504.70 at 70-369 (NFPA-PR0016284); Ex. O (NFPA 70, 2008 ed.) at ch. 517.77 at 70-441 (NFPA-PR0017137); Ex. P (NFPA 70, 2014 ed.) at ch. 324.56(A) at 70-197 (NFPA-PR0098260); Ex. Q (NFPA 72, 2002 ed.) at ch. 11.3.7 at 72-105 (NFPA-PR0018525); Ex. R (NFPA 99, 2005 ed.) at ch. 11.7.2.4 at 99-104 (NFPA-PR0018791); Ex. S (NFPA 101, 2000 ed.) at ch. 13.7.4.4.3 at 101-123 (NFPA-PR0019081); Ex. T (NFPA 101, 2003 ed.) at ch. 7.5.4.1.3 at 101-65 (NFPA-PR0019422); Ex. U (NFPA 101, 2006 ed.) at ch. 36.4.4.3.1 at 101-268 (NFPA-PR0020039); Ex. V (NFPA 704, 2007 ed.) at ch. 4.1.5 at 704-5 (NFPA-PR0020217); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at ch. 610.43(B) at 70-531 (NFPA-PR0018069).

- 59. Each of NFPA's 23 standards at issue, provide that the specific provisions of the NFPA standard are not the *only* way to comply with the law, using language that expressly allows for other materials and methods for compliance that would be acceptable to the authority having jurisdiction. *See, e.g.*, Supp. Pauley Decl. Ex. I (NFPA 54, 2006 ed.) at ch. 1.4 at 54-8 (NFPA-PR0014798) ("The provisions of this code are not intended to prevent the use of any material, method of construction, or installation procedure not specifically prescribed by this code, provided any such alternative is acceptable to the authority having jurisdiction.").
- 60. Similar optional provisions appear throughout the standards. *See* Supp. Pauley Decl. ¶ 26; Ex. A (NFPA 1, 2003 ed.) at ch. 1.4 (NFPA-PR0013044); Ex. B (NFPA 1, 2006 ed.) at ch. 1.4 (NFPA-PR0013527); Ex. C (NFPA 10, 2002 ed.) at ch. 1.2.1 (NFPA-PR0014076); Ex. D (NFPA 11, 2005 ed.) at ch. 1.5 (NFPA-PR0014147); Ex. E (NFPA 12, 2005 ed.) at ch. 1.2.2 (NFPA-PR0014247); Ex. F (NFPA 13, 2002 ed.) at ch. 1.5 (NFPA-PR0014320); Ex. G (NFPA 25, 2002 ed.) at ch. 1.3 (NFPA-PR0020244); Ex. H (NFPA 30, 2003 ed.) at ch. 1.5 (NFPA-PR0020244);

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PR0014664); Ex. I (NFPA 54, 2006 ed.) at ch. 1.4 (NFPA-PR0014798); Ex. J (NFPA 58, 2001 ed.) at ch. 1.1.3 (NFPA-PR0014963); Ex. K (NFPA 58, 2004 ed.) at ch. 1.5 (NFPA-PR0015087); Ex. L (NFPA 59, 2004 ed.) at ch. 1.4 (NFPA-PR0015220); Ex. M (NFPA 70, 1999 ed.) at art. 90-4 (NFPA-PR0015285); Ex. N (NFPA 70, 2005 ed.) at art. 90-4 (NFPA-PR0015939); Ex. O (NFPA 70, 2008 ed.) at art. 90-4 (NFPA-PR0016718); Ex. P (NFPA 70, 2014 ed.) at art. 90-4 (NFPA-PR0098088); Ex. Q (NFPA 72, 2002 ed.) at ch. 1.5 (NFPA-PR0018433); Ex. R (NFPA 99, 2005 ed.) at ch. 1.4 (NFPA-PR0018700); Ex. S (NFPA 101, 2000 ed.) at § 1.5 (NFPA-PR0018981); Ex. T (NFPA 101, 2003 ed.) at ch. 1.4 (NFPA-PR0019378); Ex. U (NFPA 101, 2006 ed.) at ch. 1.4 (NFPA-PR0019793); Ex. V (NFPA 704, 2007 ed.) at ch. 1.5 (NFPA-PR0020216); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at art. 90.4 (NFPA-PR0017560).

- 61. All 23 of NFPA's standards include specific portions of text that do not necessarily set forth any binding legal obligation. *See* Supp. Pauley Decl. ¶¶ 25-29. More specifically, these portions include the following:
- 62. **Prefatory Notices:** All 23 of the NFPA standards include prefatory notices, disclaimers and copyright information, such as a "Notice and Disclaimer of Liability Concerning the Use of NFPA Documents." Supp. Pauley Decl. ¶ 28(a), Ex. A (NFPA 1, 2003 ed.) at NFPA-PR0013033-34; Ex. B (NFPA 1, 2006 ed.) at NFPA-PR0013514-15; Ex. C (NFPA 10, 2002 ed.) at NFPA-PR0014071-72; Ex. D (NFPA 11, 2005 ed.) at NFPA-PR0014141-42; Ex. E (NFPA 12, 2005 ed.) at NFPA-PR0014242-43; Ex. F (NFPA 13, 2002 ed.) at NFPA-PR0014308-09; Ex. G (NFPA 25, 2002 ed.) at NFPA-PR0020238-39; Ex. H (NFPA 30, 2003 ed.) at NFPA-PR0014655-56; Ex. I (NFPA 54, 2006 ed.) at NFPA-PR0014789-90; Ex. J (NFPA 58, 2001 ed.) at NFPA-PR0014957-58; Ex. K (NFPA 58, 2004 ed.) at NFPA-PR0015080-81; Ex. L (NFPA 59, 2004 ed.) at NFPA-PR0015214-15; Ex. M (NFPA 70, 1999 ed.) at NFPA-PR0015266-67; Ex. N (NFPA 70, 1999 ed.)

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2005 ed.) at NFPA-PR0015914-15; Ex. O (NFPA 70, 2008 ed.) at NFPA-PR0016695-96; Ex. P (NFPA 70, 2014 ed.) at NFPA-PR0098062-63; Ex. Q (NFPA 72, 2002 ed.) at NFPA-PR0018419-20; Ex. R (NFPA 99, 2005 ed.) at NFPA-PR0018686-67; Ex. S (NFPA 101, 2000 ed.) at NFPA-PR0018957-58; Ex. T (NFPA 101, 2003 ed.) at NFPA-PR0019356-57; Ex. U (NFPA 101, 2006 ed.) at NFPA-PR0019770-71; Ex. V (NFPA 704, 2007 ed.) at NFPA-PR0020211-12; Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at NFPA-PR0017536-37.

63. History, Development, and Edition Information: All 23 of the NFPA standards include a section describing the history and development of the standard. Supp. Pauley Decl. ¶ 28(b), Ex. A (NFPA 1, 2003 ed.) at 1-1 (NFPA-PR0013035); Ex. B (NFPA 1, 2006 ed.) at 1-1 (NFPA-PR0013516-17); Ex. C (NFPA 10, 2002 ed.) at 10-1 (NFPA-PR0014073); Ex. D (NFPA 11, 2005 ed.) at 11-1 (NFPA-PR0014143); Ex. E (NFPA 12, 2005 ed.) at 12-1 (NFPA-PR0014244; Ex. F (NFPA 13, 2002 ed.) at 13-1 to 13-2 (NFPA-PR0014310-11); Ex. G (NFPA 25, 2002 ed.) at 25-1 (NFPA-PR0020240); Ex. H (NFPA 30, 2003 ed.) at 30-1 to 30-2 (NFPA-PR0014657-58); Ex. I (NFPA 54, 2006 ed.) at 54-1 to 54-2 (NFPA-PR0014791-92); Ex. J (NFPA 58, 2001 ed.) at 58-1 (NFPA-PR0014959); Ex. K (NFPA 58, 2004 ed.) at 58-1 (NFPA-PR0015082); Ex. L (NFPA 59, 2004 ed.) at 59-1 (NFPA-PR0015216); Ex. M (NFPA 70, 1999 ed.) at 70-1 (NFPA-PR0015268; Ex. N (NFPA 70, 2005 ed.) at 70-1 (NFPA-PR0015916); Ex. O (NFPA 70, 2008 ed.) at 70-1 (NFPA-PR0016697); Ex. P (NFPA 70, 2014 ed.) at NFPA-PR0098064; Ex. Q (NFPA 72, 2002 ed.) at 72-1 (NFPA-PR0018421); Ex. R (NFPA 99, 2005 ed.) at 99-1 (NFPA-PR0018688); Ex. S (NFPA 101, 2000 ed.) at 101-1 (NFPA-PR0018959); Ex. T (NFPA 101, 2003 ed.) at 101-1 (NFPA-PR0019358); Ex. U (NFPA 101, 2006 ed.) at 101-1 (NFPA-PR0019772); Ex. V (NFPA 704, 2007 ed.) at 704-1 (NFPA-PR0020213); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at NFPA-PR0017538.

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64. Reference and Informational Notes: Of the 23 NFPA standards, 19 also include informational notes throughout the text that provide context, background, cross-references, and other explanatory material, but they do not set forth any binding legal obligations. Many of these expressly state that the notes "are informational only and are not enforceable as requirements." E.g., Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at art. 90.5(C) at 70-23 (NFPA-PR0017561). For example, NFPA 70 (2011 ed.) provides the following helpful information: "Some cleaning and lubricating compounds can cause severe deterioration of many plastic materials used for insulating and structural applications in equipment." *Id.* at art. 110.11 (Note 2) at 70-35 (NFPA-PR0017572). Informational notes appear throughout the main text of the standards (i.e., not including the annexes). See, e.g., Supp. Pauley Decl. ¶ 28(c), Ex. A (NFPA 1, 2003 ed.) at Table 60.2.2.1.(b) (Note 1) at 1-203 (NFPA-PR0013237); Ex. B (NFPA 1, 2006 ed.) at Table 60.2.6.5 (Note 1) at 1-238 (NFPA-PR0013753); Ex. C (NFPA 10, 2002 ed.) at Table 5.3.1 (Notes 1-3) at 10-11 (NFPA-PR0014083); Ex. D (NFPA 11, 2005 ed.) at Table 5.2.5.3.4 (Note) at 11-14 (NFPA-PR0014156); Ex. E (NFPA 12, 2005 ed.) at Table 5.3.2.2 (Note) at 12-17 (NFPA-PR0014260); Ex. F (NFPA 13, 2002 ed.) at Table 10.8.3.1.2.2 (Note) at 13-95 (NFPA-PR0014404); Ex. G (NFPA 25, 2002 ed.) at Table 11.1 (Note) at 25-31 (NFPA-PR0020270); Ex. I (NFPA 54, 2006 ed.) at Table 6.2(f) (Note) at 54-28 (NFPA-PR0014818); Ex. J (NFPA 58, 2001 ed.) at Table 2.2.2.2 (Notes 1-3) at 58-10 (NFPA-PR0014968); Ex. K (NFPA 58, 2004 ed.) at Table 5.2.4.2 (Notes) at 58-13 (NFPA-PR0015094); Ex. M (NFPA 70, 1999 ed.) at art. 90-2(a)(1) at 70-17 (NFPA-PR0015284); Ex. N (NFPA 70, 2005 ed.) at art. 230.95(C) (FPN Nos. 1-4) at 70-80 (NFPA-PR0015995); Ex. O (NFPA 70, 2008 ed.) at art. 430.26 (FPN) at 70-306 (NFPA-PR0017002); Ex. P (NFPA 70, 2014 ed.) at art. 300.20(B) (Informational Note) at 70-151 (NFPA-PR0098214); Ex. Q (NFPA 72, 2002 ed.) at Table 10.4.2.2 (Note 3) at 72-97 (NFPA-PR0018517); Ex. T (NFPA 101, 2003 ed.) at Table 8.3.4.2

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(footnote 2) at 101-72 (NFPA-PR0019429); Ex. U (NFPA 101, 2006 ed.) at Table 8.3.4.2 (footnote †) at 101-77 (NFPA-PR0019848); Ex. V (NFPA 704, 2007 ed.) at Table 5.2 (footnote \*) at 704-7 (NFPA-PR0020219); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at art. 505.8 (Informational Note) at 70-402 (NFPA-PR0017939).

Diagrams, Figures, and Illustrations: Of the 23 NFPA standards, 14 also include 65. figures that illustrate concepts in the text, but that do not dictate any legal obligations. These include, for example, Figure 220.1 of the 2011 edition of NFPA 70, which provides a graphical overview of the organization of Article 220. See Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at Figure 220.1 at 70-61 (NFPA-PR0017598). Similar figures and illustrations appear throughout the text. See, e.g., Supp. Pauley Decl. ¶ 28(d), Ex. A (NFPA 1, 2003 ed.) at Figure 31.3.7.3.3(C) (NFPA-PR0013184); Ex. B (NFPA 1, 2006 ed.) at Figure 43.1.4.5.3 at 1-200 (NFPA-PR0013715); Ex. D (NFPA 11, 2005 ed.) at Figure 5.3.5.3.1 at 11-18 (NFPA-PR0014160); Ex. F (NFPA 13, 2002 ed.) at Figures 7.7.4.2.1(a), (b) at 13-36 (NFPA-PR0014345); Ex. I (NFPA 54, 2006 ed.) at Figure 12.6.2.1 at 54-85 (NFPA-PR0014875); Ex. J (NFPA 58, 2001 ed.) at Figure 8.2.10 at 58-63 (NFPA-PR0015021); Ex. M (NFPA 70, 1999 ed.) at Figure 250-2 at 70-81 (NFPA-PR0015347); Ex. N (NFPA 70, 2005 ed.) at Figure 250-126 at 70-113 (NFPA-PR0016028); Ex. O (NFPA 70, 2008 ed.) at FPN Figures 517.30 Nos. 1 & 2 at 70-431 (NFPA-PR0017127); Ex. P (NFPA 70, 2014 ed.) at Figure 516.4(C)(1) at 70-459 (NFPA-PR0098522); Ex. S (NFPA 101, 2000 ed.) at Figure 7.10.6.2 at 101-67 (NFPA-PR0019025); Ex. T (NFPA 101, 2003 ed.) at Figure 7.10.6.2.1 at 101-69 (NFPA-PR0019426); Ex. U (NFPA 101, 2006 ed.) at Figure 7.10.6.2.1 at 101-73 (NFPA-PR0019844); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at Informational Note Figure 505.9(C)(2) at 70-404 (NFPA-PR0017941).

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- 66. **Examples:** Of the 23 NFPA standards, 18 include lists of examples or illustrative examples that do not dictate any legal obligations, e.g., a list of examples of mobile homes not intended as a dwelling unit. See Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at art. 550.4(A) at 70-482 (NFPA-PR0018019). These examples appear throughout the text. See, e.g., Supp. Pauley Decl. ¶ 28(e), Ex. A (NFPA 1, 2003 ed.) at ch. 3.3.61.6 at 1-28 (NFPA-PR0013062); Ex. B (NFPA 1, 2006 ed.) at ch. 3.3.163 at 1-37 (NFPA-PR0013552); Ex. D (NFPA 11, 2005 ed.) at ch. 3.3.4 at 11-7 (NFPA-PR0014149); Ex. F (NFPA 13, 2002 ed.) at ch. 8.16.2.4.7.1 at 13-79 (NFPA-PR0014388); Ex. G (NFPA 25, 2002 ed.) at ch. 5.3.3.1 at 25-13 (NFPA-PR0020252; Ex. J (NFPA 58, 2001 ed.) at ch. 2.2.6.3(1) at 58-12 (NFPA-PR0014970); Ex. K (NFPA 58, 2004 ed.) at ch. 5.2.8.2(C)(1) at 58-15 (NFPA-PR0015096); Ex. M (NFPA 70, 1999 ed.) at art. 551-73(c) at 70-419 (NFPA-PR0015685); Ex. N (NFPA 70, 2005 ed.) at art. 352.26 at 70-191 (NFPA-PR0016106); Ex. O (NFPA 70, 2008 ed.) at art. 518.2(A) at 70-443 (NFPA-PR0017139); Ex. P (NFPA 70, 2014 ed.) at art. 551.73(C) at 70-525 (NFPA-PR0098588); Ex. Q (NFPA 72, 2002 ed.) at ch. 3.3.43.19 at 72-17 (NFPA-PR0018437); Ex. R (NFPA 99, 2005 ed.) at ch. 4.3.3.1.2 at 99-25 (NFPA-PR0018712); Ex. S (NFPA 101, 2000 ed.) at Table 22.3.8 (footnote ‡) at 101-183 (NFPA-PR0019141); Ex. T (NFPA 101, 2003 ed.) at Table 22.3.8 (footnote ‡) at 101-194 (NFPA-PR0019551); Ex. U (NFPA 101, 2006 ed.) at Table 22.4.4.11 (footnote †) at 101-207 (NFPA-PR0019978); Ex. V (NFPA 704, 2007 ed.) at Table 6.2 at 704-8 to 704-9 (NFPA-PR0020220-21); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at art. 552.47 at 70-508 (NFPA-PR0018045).
- 67. **Informational Annexes:** All 23 of the NFPA standards include informational annexes that come in a variety of forms. Many are purely explanatory, *e.g.*, Annex A "Explanatory Material," which states "Annex A is not a part of the requirements of this NFPA document but is included for informational purposes only. This annex contains explanatory material numbered to

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correspond with the applicable text paragraphs." Supp. Pauley Decl. Ex. F at Annex A (NFPA 13 (2002 ed.)). Some of these are only binding if specifically incorporated by reference, e.g., Annex H "Administration and Enforcement," which states that it is "not a part of the requirements of this NFPA document and is included for informational purposes only . . . unless specifically adopted by the local jurisdiction adopting the National Electric Code®." *Id.* Ex. P at Annex H (NFPA 70 (2014 ed.)). These examples are not unique, all of the standards include informational annexes. Supp. Pauley Decl. ¶ 28(f), Ex. A (NFPA 1, 2003 ed.) at Annexes A-K at 1-320 to 1-449 (NFPA-PR0013354-483); Ex. B (NFPA 1, 2006 ed.) at Annexes A-P at 1-357 to 1-523 (NFPA-PR0013872-4038); Ex. C (NFPA 10, 2002 ed.) at Annexes A-J at 10-17 to 10-53 (NFPA-PR0014089-125); Ex. D (NFPA 11, 2005 ed.) at Annexes A-I at 11-36 to 11-80 (NFPA-PR0014178-222); Ex. E (NFPA 12, 2005 ed.) at Annexes A-H at 12-25 to 12-52 (NFPA-PR0014268-95); Ex. F (NFPA 13, 2002 ed.) at Annexes A-E at 13-198 to 13-315 (NFPA-PR0014507-624); Ex. G (NFPA 25, 2002 ed.) at Annexes A-E at 25-41 to 25-109 (NFPA-PR0020280-348); Ex. H (NFPA 30, 2003 ed.) at Annexes A-H at 30-75 to 30-111 (NFPA-PR0014731-67); Ex. I (NFPA 54, 2006 ed.) at Annexes A-L at 54-111 to 54-151 (NFPA-PR0014901-41); Ex. J (NFPA 58, 2001 ed.) at Annexes A-J at 58-78 to 58-97 (NFPA-PR0015036-15055); Ex. K (NFPA 58, 2004 ed.) at Annexes A-K at 58-84 to 58-104 (NFPA-PR0015165-85); Ex. L (NFPA 59, 2004 ed.) at Annexes A-F at 59-31 to 59-40 (NFPA-PR0015246-55); Ex. M (NFPA 70, 1999 ed.) at Appendices A-E at 70-571 to 70-619 (NFPA-PR0015835-881); Ex. N (NFPA 70, 2005 ed.) at Annexes A-G at 70-640 to 70-737 (NFPA-PR0016555-652); Ex. O (NFPA 70, 2008 ed.) at Annexes A-H at 70-686 to 70-784 (NFPA-PR0017382-480); Ex. P (NFPA 70, 2014 ed.) at Annexes A-J at 70-772 to 70-867 (NFPA-PR0098835-930); Ex. Q (NFPA 72, 2002 ed.) at Annexes A-F at 72-111 to 72-227 (NFPA-PR0018531-647); Ex. R (NFPA 99, 2005 ed.) at USCA Case #22-7063 Document #1982413 Filed: 01/20/2023 Page 270 of 395

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Annexes A-G at 99-124 to 99-238 (NFPA-PR0018811-925); Ex. S (NFPA 101, 2000 ed.) at Annexes A-B at 101-264 to 101-348 (NFPA-PR0019222-306); Ex. T (NFPA 101, 2003 ed.) at Annexes A-B at 101-276 to 101-359 (NFPA-PR0019633-716); Ex. U (NFPA 101, 2006 ed.) at Annexes A-B at 101-301 to 101-389 (NFPA-PR0020072-160); Ex. V (NFPA 704, 2007 ed.) at Annexes A-G at 704-12 to 704-20 (NFPA-PR0020224-32); Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at Informational Annexes A-I at 70-727 to 70-829 (NFPA-PR0018264-366).

- 68. **Proposal Forms:** NFPA's standards also generally include information regarding the proposal and committee process for NFPA standards, as well as proposal forms so the reader can submit suggestions for future editions. This information and forms do not set forth any binding legal obligations. Supp. Pauley Decl. ¶ 28(g). *See, e.g., id.* Ex. A (NFPA 1, 2003 ed.) at NFPA-PR0013508-10; Ex. B (NFPA 1, 2006 ed.) at NFPA-PR0014067-69; Ex. D (NFPA 11, 2005 ed.) at NFPA-PR0014238-40; Ex. E (NFPA 12, 2005 ed.) at NFPA-PR0014304-06; Ex. H (NFPA 30, 2003 ed.) at NFPA-PR0014785-87; Ex. I (NFPA 54, 2006 ed.) at NFPA-PR0014953-55; Ex. K (NFPA 58, 2004 ed.) at NFPA-PR0015210-12; Ex. L (NFPA 59, 2004 ed.) at NFPA-PR0015262-64; Ex. N (NFPA 70, 2005 ed.) at NFPA-PR0016691-93; Ex. O (NFPA 70, 2008 ed.) at NFPA-PR0017523-34 (and membership information); Ex. P (NFPA 70, 2014 ed.) at NFPA-PR0098986-89; Ex. R (NFPA 99, 2005 ed.) at NFPA-PR0018953; Ex. T (NFPA 101, 2003 ed.) at NFPA-PR0019766-68; Ex. U (NFPA 101, 2006 ed.) at NFPA-PR0020207-09; Ex. V (NFPA 704, 2007 ed.) at NFPA-PR00202234-36; Dubay Decl. Ex. A (NFPA 70, 2011 ed.) at NFPA-PR0018414-17. PRO has posted these forms as well. *See* Wise Decl. ¶ 173, Ex. 172.
- 69. Many standards incorporate other standards by reference, which may in turn reference other standards. Supp. Pauley Decl. Ex. B (NFPA 1, 2006 ed.) at ch. 5.3.4 at 1-49 (NFPA-PR0013562) (providing that certain structures must comply with provisions in NFPA

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101); Ex. U (NFPA 101, 2006 ed.) at ch. 9.1.2 at 101-84 (NFPA-PRO0019855) (dictating that "[e]lectrical wiring and equipment shall [generally] be in accordance with NFPA 70, *National Electrical Code*").

# ASHRAE Standards (and Portions Thereof) That Do Not Impose Legal Duties

- 70. All 3 of ASHRAE's standards at issue, which are three different versions of ASHRAE Standard 90.1, include large portions of the text that are not necessary for compliance with the standard and therefore do not set forth any binding legal obligation in instances where the standard is incorporated by reference. These portions include the following:
- Foreword: All 3 of the ASHRAE standards include a foreword, which does not set forth any binding legal obligations. In fact, the forewords open by stating "[t]his foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard." The forewords go on to provide, *inter alia*, historical information about the development of the Standard over time. Declaration of Steve Comstock, previously filed at Dkt. 155-5, ("Comstock Decl.") ¶ 7, Ex. 1 (ASHRAE 90.1-2004) at 4; Supplemental Declaration of Stephanie Reiniche ("Supp. Reiniche Decl.") ¶ 2, Ex. 1 (ASHRAE 90.1-2007) at 6, and Ex. 2 (ASHRAE 90.1-2010) at 6.
- 72. "Informative Appendix E": All 3 of the ASHRAE standards include what the standards refer to as "Informative Appendix E." The appendix opens with a disclaimer stating: "This appendix is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard." The appendix contains a variety of general information, including contact information for certain trade associations that operate in industries related to the standard. Comstock Decl. ¶ 7, Ex. 1 (ASHRAE 90.1-2004 at 165-66);

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Supp. Reiniche Decl. ¶ 2, Ex. 1 (ASHRAE 90.1-2007) at 170-71, and Ex. 2 (ASHRAE 90.1-2010) at 201-02.

- 73. "Informative Appendix F": All 3 of the ASHRAE standards include what the standards refer to as "Informative Appendix F." The appendix opens with a disclaimer stating: "This appendix is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard." The appendix contains a log tracking changes to the standard over time. Comstock Decl. ¶ 7, Ex. 1 (ASHRAE 90.1-2004) at 167-69; Supp. Reiniche Decl. ¶ 2, Ex. 1 (ASHRAE 90.1-2007) at 172-75, and Ex. 2 (ASHRAE 90.1-2010) at 203-10.
- 74. "Informative Appendix G": Two of the ASHRAE standards include what the standards refer to as "Informative Appendix G." The appendix opens with a disclaimer stating: "This appendix is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard." The appendix contains general information on multiple different ways to track energy efficiency with regard to different aspects of building construction. Comstock Decl. ¶ 7, Ex. 1 (ASHRAE 90.1-2004) at 168-80; Supp. Reiniche Decl. ¶ 2, Ex. 1 (ASHRAE 90.1-2007) at 175-185.
- ASHRAE standards include an Appendix B and an Appendix D. The appendices include tables on general climate data for the United States, Canada, and various foreign countries. Comstock Decl. ¶ 7, Ex. 1 (ASHRAE 90.1-2004) at 110-21, 131-64; Supp. Reiniche Decl. ¶ 2, Ex. 1 (ASHRAE 90.1-2007) at 114-16 and 148-69, and Ex. 2 (ASHRAE 90.1-2010) at 144-46 and 179-200. While data about the United States climate may be helpful to a reader for purposes of

understanding and applying the standards, the data on foreign climates would not be necessary for compliance with the standard within the United States.

76. **Informational Notes and Policy Statements:** All 3 ASHRAE standards also include informational notes that have nothing to do with requirements to comply with the standards. These include "Instructions For Submitting a Proposed Change to the Standard," a form for submitting proposed changes, instructions for electronic submission of comments, a brief description of the ASHRAE organization, and a "Policy Statement" laying out ASHRAE's general position and goals concerning the environmental impact of its activities. Comstock Decl. ¶ 7, Ex. 1 (ASHRAE 90.1-2004) at 181-89; Supp. Reiniche Decl. ¶ 2, Ex. 1 (ASHRAE 90.1-2007) at 189-92, and Ex. 2 (ASHRAE 90.1-2010) at 225-28.

# IV. PRO'S CONDUCT HARMS PLAINTIFFS' ACTUAL AND POTENTIAL MARKETS; AND AN INJUNCTION IS NECESSARY

# A. Plaintiffs Distribute Their Standards, Provide Free Read-Only Access, And Other Informational Resources

### Plaitiffs' Sales, Licensing, and Derivative Works

- 77. Plaintiffs sell their standards, including the Works, in a variety of formats and for a reasonable cost to industry professionals and tradespeople (and the companies and organizations for which they work) who then use these standards in the course of their business. Supp. Pauley Decl. ¶¶ 34, 43; Reiniche Decl., ¶¶ 17-18; James Thomas Decl. ¶¶ 45-48; *see also* Pauley Decl. ¶ 13; Declaration of James Golinveaux, filed at Dkt. 118-5 ("Golinveaux Decl.") ¶ 10.
- 78. Plaintiffs' sell their standards individually for prices that range from \$25 to \$200, or as a part of a membership or subscription. Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶¶ 84 (ASTM), 92 (NFPA), 99 (ASHRAE).
- 79. Plaintiffs depend on the sale of standards to fuel their overall mission-driving work.

  The vast majority of that revenue is from the sale of codes and standards, including those that have

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been incorporated by reference and posted by PRO. Supp. Pauley Decl. ¶ 33; Supp. Reiniche Decl. ¶ 4; James Thomas Decl. ¶¶ 37-38; Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶¶ 107-08).

- 80. ASTM sells its standards in books and as individual standards. Wise Decl. ¶¶ 158-161, Exs. 157-160. ASTM derives revenue from not only the initial publication of a given standard but also from revised, reapproved, and reissued versions of standards. *Id*.
- 81. For example, B580 issued in 1979 has been reapproved and reissued in its original form every five years since 1979. Wise Decl. ¶ 160, Ex. 159. This standard originally appeared in ASTM's Annual Book of ASTM Standards in 1980. Wise Decl. ¶ 9, Ex. 8. The latest version of this standard still appears in ASTM's 2019 Annual Book of ASTM Standards. Wise Decl. ¶ 156, Ex. 155; Wise Decl. ¶ 161, Ex. 160, at ASTM103529, Section 02 Volume 05; Wise Decl. ¶ 159, Ex. 158 at ASTM103291, Section 02 Volume 05.
- 82. NFPA also earns significant revenue from licensing its standards to other companies and organizations to use in their products and services, for example, derivative works like checklists based on the standards. Supp. Pauley Decl. ¶ 36.
- 83. Plaintiffs' revenue from complementary and downstream products and services like e-learning and in person training courses and other derivative works is also dependent on their copyrights in their standards because they market these products as including copies of the published material. James S. Thomas Decl. ¶¶ 4, 5-9; Rubel Decl. ¶¶ 4, Ex. 1 (Jarosz Rep. ¶¶ 109-11, 145).
- 84. As the copyright owners, Plaintiffs' ability to include its standards as reference material for these training courses gives them a competitive advantage over competitors, such as third-party training programs. James S. Thomas Decl. ¶ 10. This advantage is "a significant

driver" of these sources of revenue "is the provision of the protected publications in, for example, trainings and seminars." Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶ 146)).

# Plaintiffs' Read-Only Access (at No Cost to the Reader) and Other Information

- 85. Plaintiffs also provide read-only access to the Works—excluding certain of the Works that are simply not incorporated by reference as claimed by PRO—on their websites, and sometimes linked through other websites, such as local and state government websites. This is provided at no cost to the user. Supp. Pauley Decl. ¶¶ 40-41, 44; Reiniche Decl., ¶¶ 19; O'Brien Decl. ¶¶ 60; Wise Decl. ¶¶ 157, Ex. 156.
- 86. Plaintiffs' provision of free read-only access to and other resources for researching their standards serves Plaintiffs' overall missions by providing a resource for individuals to educate themselves as to the contents of standards, including standards that have been incorporated by reference. Supp. Pauley Decl. ¶ 43, 45; Supp. Reiniche Decl. ¶ 3; Declaration of James S. Thomas, dated October 4, 2019, filed concurrently herewith, ("James S. Thomas Decl.") ¶ 12.
- 87. Plaintiffs' provision of free read-only access and research tools also benefits the public, because they can be sure of the authenticity and accuracy of the copy of the standard they are reading. Supp. Reiniche Decl. ¶ 3; O'Brien Decl. ¶¶ 52-53; Supp. Pauley Decl. ¶ 39.
- 88. Although industry professionals and tradespeople who purchase Plaintiffs' standards to use in the course of their work might reference Plaintiffs' free access websites, the carefully controlled read-only environment do not provide a substitute for purchasing a copy of the Works. James S. Thomas Decl. ¶ 14; Supp. Pauley Decl. ¶ 45. Rather, Plaintiffs' online copies serve those "parties that are interested in or affected by [Plaintiffs' standards], but who do not necessarily need a digital or hardcopy of the standards." Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶ 86).

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89. Plaintiffs are not harmed by the provision of these free access websites because the users who visit them engage with their other products and services in furtherance of Plaintiffs' overall missions and because the read-only format prevents unauthorized distribution. Supp. Pauley Decl. ¶ 45; Supp. Reiniche Decl. ¶ 4; James S. Thomas Decl. ¶ 15.

90. NFPA has also developed additional resources for researching that consolidate information regarding the jurisdictions that have incorporated NFPA's standards by reference into local, state, or federal laws or regulations. These resources include the NEC Adoptions Map and CodeFinder<sup>TM</sup>, which serves the "purpose of creating general public awareness of some of the jurisdictions where [AHJs] may require the use of NFPA codes and/or standards." Supp. Pauley Decl. ¶¶ 46-47.

# B. PRO's Posting Of Its Versions Of Plaintiffs' Works Online Is Substitutional And Harmful

PRO's Conduct Threatens Plaintiffs' Actual and Derivative Markets

- 91. The expert report of John Jarosz concluded that PRO's activities would threaten the market both for Plaintiffs' standards and for derivative works, including future standards, trainings and seminars. Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶¶ 85, 92, 100, 130-49).
- 92. Anyone visiting PRO's postings of the Works on the Internet Archive website can download, copy, print, and redistribute the entirety of Plaintiffs' Works, which are available without restriction in multiple formats, such as Full Text and PDF. Declaration of Christopher Butler, of Internet Archive ("Butler Decl.") ¶ 9; Supp. Pauley Decl. ¶ 31; Wise Decl. ¶ 168, Ex. 167.
- 93. The individuals and entities who use PRO's unrestricted versions of the Plaintiffs' standards include the same sorts of industry professionals and tradespeople, such as engineers, as would otherwise typically obtain copies of Plaintiffs' standards directly from Plaintiffs. Wise

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Decl. ¶ 174, Ex. 173 at PRO\_00267293 (engineer asking after remand from the D.C. Circuit, "Does Friday's decision mean you can update the site?"), PRO\_00267241 (engineering firm saying it heard about PRO from a "colleague" and asking "How might we access the documents you offer?"); Wise Decl. ¶ 165, Ex. 164 at Interrog. 22.

- 94. PRO's versions of Plaintiffs' standards compete directly with Plaintiffs' standards in the market because if the professionals and tradespeople are able to access and download nearly identical standards without cost through PRO's postings to the Internet Archive, they will not buy Plaintiffs' publications or use their free access websites. PRO's postings to the Internet Archive therefore substitute for both sales of Plaintiffs' Works and use of Plaintiffs' free access websites. Supp. Pauley Decl. ¶ 35; Supp. Reiniche Decl. ¶ 5; James S. Thomas Decl. ¶ 16; Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶¶ 109-111, 149).
- 95. PRO's provision of unrestricted, downloadable PDF and HTML copies of Plaintiffs' works competes directly with not only sale of the Works but also ancillary products such as training courses that include copies of the Works. James S. Thomas Decl. ¶ 16; Rubel Decl. ¶ 4, Ex. 1 (Jarosz Rep. ¶¶ 131-41, 145-49).
- 96. The harm resulting from PRO's posting and dissemination of unrestricted copies of ASTM's standards for free extends beyond PRO's impact on the sale of the same version of the ASTM work PRO copied. Prior versions of ASTM's standards can serve as a substitute for new ones because significant portions—and in some instances the entire standard—may remain unchanged from edition to edition. As a result, for many users, prior versions of ASTM's works may be a perfect or near perfect substitute that interferes with the market for the current version of ASTM's standards. James S. Thomas Decl. ¶ 17.

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97. A simple comparison between views of ASTM Standards in the ASTM reading room and data regarding downloads and access to the ASTM Standards on the PRO website and the Internet Archive website shows the damaging impact on the marketplace for ASTM's works.

Wise Decl. ¶ 158, Ex. 157 at ASTM103291.							
ASTM Reading Room Results							
	2013	2014	2015	2016	2017	2018	
Standards Viewed:							

98. PRO's reproduction and display of ASTM's Works dwarfs ASTM's Reading Room impressions. PRO's download data and access data was only available up to 2014. Wise Decl. ¶ 163, Ex. 162 at PRO\_00245530; Wise Decl. ¶ 164, Ex. 163 at PRO\_00232651; Wise Decl. ¶ 152, Ex. 151.

Standard	Edition	PRO Website Views	Downloads from PRO Website	Internet Archive Views	Impact
Total of Standards		48,985	15,451	108,992	173,428
A36	1977a <sup>e</sup>	334	187	1,304	1,825
A36/A36M	1997a <sup>e1</sup>	321	120	615	1,056
A82	1979	308	83	884	1,275
A106/A106 M	2004b	326	0	0	326
A184	1979	264	25	163	452
A185	1979	290	179	2,616	3,085
A203/A203 M	1997	253	40	149	442
A242	1979	293	65	367	725
A285	1978	295	47	175	517
A307	1978 <sup>e</sup>	349	87	417	853
A325	1979	333	97	479	909
A333/A 333M	1994	492	0	0	492
A369/A 369M	1992	245	0	0	245
A370	1977 <sup>e2</sup>	392	869	10,391	11,652
A441	1979	272	49	368	689
A449	1978a	290	50	257	597
A475	1978(1984) <sup>e1</sup>	279	91	508	878
A490	1979	290	87	357	734
A496	1978	285	49	390	724
A497	1979	284	130	973	1,387

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Name			PRO Website	Downloads from	Internet Archive	
AS01	Standard	Edition	Views	PRO Website	Views	Impact
AS02         1976         281         133         781         1,195           AS14         1977         272         62         315         649           AS22A 522M         1995b         277         0         0         277           A539         1990a         237         0         0         237           A570         1979         293         75         364         732           A572         1979         295         50         222         567           A588         1979a         292         36         202         530           A611         1972(1979)         266         84         638         98           A615         1979         369         102         497         968           A616         1979         243         32         288         53           A617         1979         246         51         293         590           A616         1979         246         51         293         590           A616         1979         248         71         460         779           B16         1992         229         66         0         295	A500	1978	293	82	325	700
AS14 1977 272 62 315 649 AS22/A 522M 1996b 277 0 0 0 237 AS39 1990a 2337 0 0 0 237 AS70 1979 293 75 364 732 AS72 1979 295 50 222 567 AS88 1979a 292 36 222 567 AS88 1979a 292 36 222 567 AS88 1979a 369 102 497 968 A611 1972(1979) 266 84 638 988 A615 1979 369 102 497 968 A616 1979 243 32 288 563 A617 1979 246 51 293 590 A633 1979a 288 59 396 743 B16 1992 229 66 0 0 295 B21 1983b 248 71 460 779 B21 1996 259 0 0 0 259 B21 1996 259 0 0 0 259 B42 1996 277 0 0 0 277 B68 1995 288 0 0 0 288 B75 1997 311 0 0 0 311 B85 1984 299 120 1,164 1,583 B88 1996 270 0 0 0 238 B111 1995 238 0 0 238 B111 1995 238 0 0 238 B111 1996 259 0 0 0 238 B111 1996 270 0 0 238 B111 1996 270 0 0 238 B111 1996 280 0 0 238 B12/B 122M 1996 280 0 0 281 B124 1996 280 0 0 281 B124 1996 280 0 0 281 B124 1996 251 281 0 0 238 B124 1996 251 281 0 0 238 B124 1996 251 281 0 0 288 B135 1997 331 1 0 0 238 B14 1996 270 0 0 238 B14 1996 270 0 0 238 B14 1996 270 0 0 238 B15 1993 238 0 0 238 B16 1993 238 0 0 238 B17 1996 259 3 10 0 0 238 B18 119 1995 238 0 0 238 B19 1996 270 0 0 0 238 B124 1996 280 0 0 281 B125/B 122M 1995 238 0 0 0 281 B126 1996 251 197 1,638 2,156 B224 1980 <sup>81</sup> 259 57 274 590 B283 1996 254 0 0 228 B283 1996 254 0 0 298 B283 1996 254 0 0 0 298 B283 1996 257 138 1,131 1,526 B24 1980 <sup>81</sup> 259 57 274 590 B25 1979(1997) 231 45 247 500 B26 1999 330 43 340 713 C25 1979(1997) 231 45 247 520 C5 1979(1997) 231 45 247 520 C5 1979(1997) 231 45 247 354 680 C330 1999 330 157 1,212 1,699 B260 1984 240 53 721 1,014 C516 1980(1986) <sup>81</sup> 252 74 318 674 C516 1980(1986) <sup>81</sup> 252 74 318 674 C516 1980(1996) <sup>81</sup> 219 68 278 565 C549 1981(1995) <sup>81</sup> 252 74 318 674 C516 1980(1996) <sup>81</sup> 219 68 278 565 C549 1981(1995) <sup>81</sup> 252 74 318 507 383 B360 1979 330 434 340 713 C564 1970(1982) 262 442 663 967 D86 2007 466 75 393 934 D129 1995 241 288 118 387	A501	1976	267	64	295	626
A522/A 522M         1995b         277         0         0         277           A539         1990a         237         0         0         237           A570         1979         293         75         364         732           A572         1979         295         50         222         567           A588         1979a         292         36         202         530           A611         1972(1979)         266         84         638         988           A615         1979         243         32         288         563           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         198b         248         71         460         779           B21         1996         259         0         0         259           B21         1996         259         0         0         270	A502	1976	281	133	781	1,195
A539         1990a         237         0         0         237           A570         1979         293         75         364         732           A572         1979         295         50         222         567           A588         1979a         292         36         202         530           A611         1972(1979)         266         84         638         988           A615         1979         369         102         497         968           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A616         1979         246         51         293         590           A617         1979         246         51         293         590           A617         1979         248         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1986         259         0         0         277	A514	1977	272	62	315	649
A570         1979         293         75         364         732           A572         1979         295         50         222         567           A588         1979a         292         36         202         530           A611         1972(1979)         266         84         638         988           A615         1979         369         102         497         968           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1986         259         0         0         259           B21         1996         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         233	A522/A 522M	1995b	277	0	0	277
A572         1979         295         50         222         567           A588         1979a         292         36         202         530           A611         1972(1979)         266         84         638         988           A615         1979         369         102         497         968           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A617         1979         246         51         293         590           A617         1979         248         59         396         743           B16         1992         229         66         0         295           B21         198b         248         71         460         779           B21         1996         259         0         0         277           B68         1995         288         0         0         277           B68         1995         288         0         0         281           B75         1997         311         0         0         270	A539	1990a	237	0	0	237
A588         1979a         292         36         202         530           A611         1972(1979)         266         84         638         988           A615         1979         369         102         497         968           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B21         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         288           B75         1997         311         0         0         270           B86         1995         238         0         0         273           <	A570	1979	293	75	364	732
A611         1972(1979)         266         84         638         988           A615         1979         369         102         497         968           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B7         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         281	A572	1979	295	50	222	567
A615         1979         369         102         497         968           A616         1979         243         32         288         563           A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1986         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281      <	A588	1979a	292	36	202	530
A616         1979         243         32         288         563           A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122M         1996         280         0         0         280           B224 </td <td>A611</td> <td>1972(1979)</td> <td>266</td> <td>84</td> <td>638</td> <td>988</td>	A611	1972(1979)	266	84	638	988
A617         1979         246         51         293         590           A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B42         1996         277         0         0         278           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         238           B124         1996         280         0         0         280           B122B         1996         321         197         1,638         2,156           B	A615	1979	369	102	497	968
A633         1979a         288         59         396         743           B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         238         0         0         238           B124         1996         280         0         0         238           B122B 122M         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590	A616	1979	243	32	288	563
B16         1992         229         66         0         295           B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B42         1996         277         0         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B124         1996         280         0         0         288           B229         1996         321         197         1,638         2,156           B224         1980et         259         57         274         590           B283         1996         254         0         0         205 <td>A617</td> <td>1979</td> <td>246</td> <td>51</td> <td>293</td> <td>590</td>	A617	1979	246	51	293	590
B21         1983b         248         71         460         779           B21         1996         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B1124         1996         280         0         0         280           B224         1996         321         197         1,638         2,156           B224         1980et         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         0         299 </td <td>A633</td> <td>1979a</td> <td>288</td> <td>59</td> <td>396</td> <td>743</td>	A633	1979a	288	59	396	743
B21         1996         259         0         0         259           B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         238           B124         1996         280         0         0         238           B124         1996         280         0         0         238           B209         1996         280         0         0         280           B224         1980e <sup>1</sup> 259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557	B16	1992	229	66	0	295
B42         1996         277         0         0         277           B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         238           B124         1996         280         0         0         238           B24         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980°1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B5	B21	1983b	248	71	460	779
B68         1995         288         0         0         288           B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         238           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,311         1,526 <t< td=""><td>B21</td><td>1996</td><td>259</td><td>0</td><td>0</td><td>259</td></t<>	B21	1996	259	0	0	259
B75         1997         311         0         0         311           B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         238           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         254           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520	B42	1996	277	0	0	277
B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         280           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980 <sup>e1</sup> 259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           C5         1979(1997)         231         45         237         513           C150         1999a         206 101         561         868				0	0	
B85         1984         299         120         1,164         1,583           B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         280           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980 <sup>e1</sup> 259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           C5         1979(1997)         231         45         237         513           C150         1999a         206 101         561         868	B75	1997	311	0	0	311
B88         1996         270         0         0         270           B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         238           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           C5         1979(1997)         231         45         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868				120	1,164	
B96         1993         238         0         0         238           B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         238           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713						
B111         1995         281         0         0         281           B122/B 122M         1995         238         0         0         238           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354 <td< td=""><td></td><td></td><td></td><td>0</td><td>0</td><td></td></td<>				0	0	
B122/B 122M         1995         238         0         0         238           B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980el         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)el         252         74         354         680           C330         1999         330         157         1,212				0	0	281
B124         1996         280         0         0         280           B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721						
B209         1996         321         197         1,638         2,156           B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318						
B224         1980e1         259         57         274         590           B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C549         1981(1995)e1         219         68         278				197	1.638	
B283         1996         254         0         0         254           B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e <sup>1</sup> 252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C549         1981(1995)e <sup>1</sup> 219         68         278         565           C549         1981(1995)e <sup>1</sup> 227         83						
B315         1993         209         0         0         209           B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e <sup>1</sup> 252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e <sup>1</sup> 219         68         278         565           C549         1981(1995)e <sup>1</sup> 227         83         507         817           C564         1970(1982)         262         42				0	0	
B557         1984         343         85         961         1,389           B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75			209	0	0	209
B580         1979         257         138         1,131         1,526           B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28						
B694         1986         219         54         247         520           C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
C5         1979(1997)         231         45         237         513           C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743						-
C150         1999a         206         101         561         868           C177         1997         330         43         340         713           C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743				45		
C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743				101		
C236         1989(1993)e1         252         74         354         680           C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743	C177					
C330         1999         330         157         1,212         1,699           C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743						
C509         1984         240         53         721         1,014           C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743						
C518         1991         282         74         318         674           C516         1980(1996)e1         219         68         278         565           C549         1981(1995)e1         227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743						
C516         1980(1996) <sup>e1</sup> 219         68         278         565           C549         1981(1995) <sup>e1</sup> 227         83         507         817           C564         1970(1982)         262         42         663         967           D86         2007         466         75         393         934           D129         1995         241         28         118         387           D396         1998         277         47         419         743						
C549     1981(1995)e1     227     83     507     817       C564     1970(1982)     262     42     663     967       D86     2007     466     75     393     934       D129     1995     241     28     118     387       D396     1998     277     47     419     743						
C564       1970(1982)       262       42       663       967         D86       2007       466       75       393       934         D129       1995       241       28       118       387         D396       1998       277       47       419       743		1981(1995) <sup>e1</sup>				
D86     2007     466     75     393     934       D129     1995     241     28     118     387       D396     1998     277     47     419     743						
D129     1995     241     28     118     387       D396     1998     277     47     419     743						
D396 1998 277 47 419 743						
D512   1989(1999)   299   87   580   966	D512	1989(1999)	299	87	580	966

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		PRO Website	Downloads from	Internet Archive	
Standard	Edition	Views	PRO Website	Views	Impact
D611	1982(1998)	297	35	355	687
D665	1998 <sup>e1</sup>	253	76	359	688
D814	1995	211	41	147	399
D975	2007	426	159	861	1,446
D975	1998b	232	89	923	1,244
D1217	1993(1998)	245	31	252	528
D1246	1995(1999)	250	27	149	426
D1253	1986(1996)	258	64	396	718
D1266	1998	281	34	381	696
D1298	1999	347	168	786	1,301
D1335	1967(1972)	233	159	1,084	1,476
D1412	1993(1997)	253	83	495	831
D1480	1993(1997)	220	30	281	531
D1481	1993(1997)	252	35	286	573
D1518	1985(1998) <sup>e1</sup>	255	143	1,009	1,407
D1535	1989	218	100	454	772
D1552	1995	268	41	637	946
D1688	1995	233	41	299	573
D1785	1986	315	199	1,294	1,808
D1835	1997	295	74	814	1,183
D1890	1996	206	26	164	396
D1943	1996	213	17	184	414
D1945	1996	218	104	1,653	1,975
D1946	1990(1994) <sup>e1</sup>	261	34	786	1,081
D2013	1986(1994)	333	134	1,071	1,538
D2015	1996	351	131	2,409	2,891
D2036	1998	245	32	404	681
D2163	1991(1996)	313	58	841	1,212
D2216	1998	305	189	1,952	2,446
D2234	1998	253	63	835	1,151
D2460	1997	194	35	134	363
D2502	1992(1996)	227	24	350	601
D2503	1992(1997)	226	52	294	572
D2597	1994(1999)	232	36	160	428
D2622	1998	265	45	278	588
D2724	1987(1995)	256	155	1,183	1,594
D2777	1998	217	26	150	393
D2879	1997	243	31	391	665
D2986	1995a(1999)	230	43	399	672
D3120	1996	226	22	205	453
D3173	1987(1996)	285	79	924	1,288
D3178	1989(1997)	231	33	313	577
D3236	1988(1999)	259	101	729	1,089
D3246	1996	233	60	556	849
D3286	1996	227	138	582	947
D3371	1995	183	20	142	345
D3454	1997	198	45	147	390

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043	T-1:4:	PRO Website	Downloads from	Internet Archive	T 1
Standard	Edition	Views	PRO Website	Views	Impact
D3588	1998	330	143	964	1,437
D3697	1992(1996)	230	32	138	400
D4177	1995	287	104	603	994
D4239	1997 <sup>e1</sup>	279	88	834	1,201
D4268	1993	256	96	572	924
D4294	1998	289	116	654	1,059
D4329	1999	280	0	0	280
D4809	1995	258	74	707	1,039
D4891	1989(1994) <sup>e1</sup>	326	19	102	447
D4986	1998	245	0	0	245
D5257	1997	214	28	228	470
D5373	1993(1997)	274	208	1,064	1,546
D5489	1996a	265	148	537	950
D5673	1996	253	25	153	431
D5865	1998a	290	303	2,161	2,754
D6216	1998	202	42	410	654
D6228	1998	261	56	560	877
D6420	1999	199	44	188	431
D6503	1999	222	61	428	711
E11	1995	268	82	273	623
E23	1982	237	411	3,059	3,707
E72	1980	195	141	1,111	1,447
E96	1995	239	168	1,225	1,632
E145	1994 <sup>e1</sup>	211	188	1,160	1,559
E169	1987	156	61	394	611
E185	1982	161	74	231	466
E260	1996	201	47	355	603
E283	1991(1999)	219	141	882	1,242
E408	1971	183	118	558	859
E424	1971	174	93	583	850
E606	1980	220	369	1,220	1,809
E681	1985	163	99	982	1,244
E695	1979(1997) <sup>e1</sup>	148	39	346	533
E711	1987(1992)	190	139	699	1,028
E773	1997	153	43	245	441
E774	1997	185	92	1,030	1,307
E776	1987(1992)	157	57	415	629
E885	1988	142	62	260	464
E1337	1990(1996)	155	60	582	797
F462	1979(1999)	200	0	0	200
F478	1992(1999)	148	53	275	476
F631	1980(1985)	135	36	214	385
F631	1993	126	60	218	404
F682	1982a(1988)	202	43	180	425
F715	1981(1986)	140	54	204	398
F715	1995	132	47	173	352
F722	1982(1988)	223	54	230	507
r / 22	1982(1988)	223	34	230	50/

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		PRO Website	Downloads from	Internet Archive	
Standard	Edition	Views	PRO Website	Views	Impact
F808	1983(1988) <sup>e1</sup>	139	33	85	257
F1003	1986(1992)	154	36	139	329
F1006	1986(1997)	159	31	126	316
F1007	1986(1996) <sup>e1</sup>	179	41	153	373
F1014	1992	164	37	170	371
F1020	1986(1996) <sup>e1</sup>	160	40	159	359
F1120	1987(1998)	223	36	284	543
F1121	1987(1998)	231	43	325	599
F1122	1987(1998)	167	48	284	499
F1123	1987(1998)	213	78	268	559
F1139	1988(1998)	203	57	218	478
F1155	1998	215	225	702	1,142
F1172	1988(1998)	161	38	190	389
F1173	1995	204	56	235	495
F1199	1988(1998)	185	41	271	497
F1200	1988(1998)	187	49	0	236
F1201	1988(1998)	154	48	157	359
F1271	1990(1995) <sup>e1</sup>	145	52	137	334
F1273	1991(1996) <sup>e1</sup>	197	38	229	464
F1321	1992	233	73	642	948
F1323	1998	179	29	114	322
F1471	1993	158	40	323	521
F1546/F	1996	164	28	215	407
1546M					
F1548	1994	173	45	165	383
F1951	1999	218	0	0	218
G21	1990	225	161	1,441	1,827
G151	1997	225	229	1,000	1,454
G154	2000a	234	583	3,065	3,882

99. The cumulative impact of PRO's reproduction and display of ASTM's standards on its own website and on Internet Archive represents

ASTM's total views across all six years combined. *Compare* Wise Decl. ¶ 158, Ex. 157 at ASTM103291, *with* Wise Decl. ¶ 163, Ex. 162 at PRO 00245530 *and* Wise Decl. ¶ 164, Ex. 163 at PRO 00232651.

100. With respect to NFPA, revenue is somewhat cyclical with publications, but in recent years, NFPA's revenue from the sale of standards has been declining. NFPA attributes this decline, at least in part, to PRO's making copies of NFPA's standards widely available, including

for use by those same industry professionals who would otherwise purchase copies or digital subscription access. Supp. Pauley Decl. ¶ 38.

- 101. NFPA's licenses likely would lose significant value if the licensees or their customers could obtain the same material from PRO in digital format, without cost, and without restrictions on further dissemination. Supp. Pauley Decl. ¶ 36.
- 102. A review of the Internet Archive websites to which PRO posted its versions of Plaintiffs' Works reveals that the 2011 National Electrical Code has been "View[ed]," which includes being accessed or downloaded, 40,151 times since originally uploaded. Supp. Pauley Decl. ¶ 31; Wise Decl. ¶ 168, Ex. 167 at 5. This is an increase of nearly 10,000 in the 13 months since PRO has reposted this standard. SMF ¶ 242 (NFPA's 2011 NEC was downloaded 30,350 times from the Internet Archive website) (citing Rubel Decl. ¶ 5, Ex. 2 (Rule 30(b)(6) Dep. of Public Resource at 254:14-256:16)); Rubel Decl. ¶ 43, Ex. 39 (Ex. 51 to Rule 30(b)(6) Dep. of Public Resource).

### PRO's Conduct Threatens Further Harm from Widespread Anonymous Dissemination

- 103. The Internet Archive website is among the top 300 most-visited websites in the world by alexa.com rankings and millions of people visit the Internet Archive every day. *See* Butler Decl. ¶ 4.
- 104. Neither PRO nor the Internet Archive keeps information regarding the individuals and entities that download and use PRO's versions of Plaintiffs' Works or the reasons that they do so. PRO has "adopted a policy of not talking to its users and not answering any questions or asking questions" of those users regarding Plaintiffs' Works. Wise Decl. ¶ 165, Ex. 164 at Interrog. 23. Likewise, the Internet Archive does not keep records identifying information regarding the individuals who use or download PRO's versions of Plaintiffs' Standards. Butler Decl. ¶¶ 4, 9

Filed: 01/20/2023

("as a general matter we avoid keeping the IP (Internet Protocol) addresses of our readers" and "[aside from counting the number of users] Internet Archive does not otherwise monitor how users view, access, download, or otherwise use the content posted on the websites").

105. Accordingly, PRO's download information is under-inclusive because it fails to account for versions of its standards re-posted by PRO's users. For example, Scribd.com is a subscription service in which users must sign up for premium access to view beyond the PRO cover page. Wise Decl. ¶ 155, Ex. 154.



- 106. The open publishing forum at Scribd.com contains dozens of ASTM works bearing the PRO cover sheet. Wise Decl. ¶ 154, Ex. 153.
- 107. PRO's postings threaten Plaintiffs' ability to control the further dissemination and use of its standards. Because PRO offers unrestricted and anonymous access to standards in multiple formats, Plaintiffs cannot easily track down those individuals who use PRO's versions of NFPA's standards for their commercial businesses, or for sale to other individuals and entities. Supp. Pauley Decl. ¶ 37.

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C. PRO Does Not Make Use of Internet Archive's Features That Would Protect Plaintiffs' Standards

108. Although Internet Archive has the functionality to provide access to books through

"borrowing," which allows registered users to "borrow books for two weeks, after which the

loaned item expires and is removed from the user's device," PRO does not use this function. Butler

Decl. ¶ 5.

109. Although Internet Archive has the functionality to offer access to the blind and print

disabled in Digital Accessible Information System (DAISY) format protected by encryption and

accessible through a key provided by the Library of Congress National Library Service to residents

of the United States and American citizens abroad, PRO offers DAISY format without any

encryption. Butler Decl.  $\P$  6.

**D.** Injunctive Relief Is Necessary

110. PRO has and will continue to post versions of additional standards owned by

Plaintiffs if not enjoined. For example, PRO posted the 2017 edition of the NEC in January 2019.

Supp. Pauley Decl. ¶ 30; Wise Decl. ¶ 168, Ex. 167 at 6.

111. PRO has limited financial resources available to pay any damages award because

it is dependent on fundraising for it activities. PRO Answer, Dkt. 21 at ¶¶ 46-47 ("[nearly] all of

PRO's funding comes from charitable donations"). PRO describes itself as a "charity." Wise

Decl. ¶ 165, Ex. 164 at Interrog. 22.

112. At the initial summary judgment hearing, when asked what would be an appropriate

remedy, counsel for PRO responded "I am not able to say." Transcript of Hearing on Motion for

Summary Judgment, Dkt. 173 at 133:16 (Sept. 12, 2016).

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Dated: October 7, 2019 Respectfully submitted,

### /s/ J. Kevin Fee

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### **CERTIFICATE OF SERVICE**

I hereby certify that on October 7, 2019, the foregoing document was filed with the clerk of this Court via the CM/ECF system and served on counsel of record via email, including:

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Respectfully submitted,

/s/ J. Kevin Fee

J. Kevin Fee

### MATERIAL UNDER SEAL DELETED JA05121-JA06943

# UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING
AND MATERIALS d/b/a/ ASTM
INTERNATIONAL;

NATIONAL FIRE PROTECTION
ASSOCIATION, INC.; and

AMERICAN SOCIETY OF HEATING,
REFRIGERATING, AND AIR
CONDITIONING ENGINEERS,

Plaintiffs/
Counter-Defendants,

v.

PUBLIC.RESOURCE.ORG, INC.,

Defendant/ Counter-Plaintiff.



#### SUPPLEMENTAL DECLARATION OF STEPHANIE REINICHE

- I, Stephanie Reiniche, declare as follows:
- 1. I am currently employed by the American Society of Heating, Refrigerating, and Air Conditioning Engineers ("ASHRAE") as its Director of Technology. I have been employed by ASHRAE since 2003. Based on the information known to me as a result of the duties and responsibilities of my position, as well as information I have gathered from relevant ASHRAE personnel and staff, I have personal knowledge of the facts set forth herein and could and would testify competently thereto if called as a witness.
- 2. The specific ASHRAE standard that I understand to be at issue here, Standard 90.1, pertains to energy efficiency in commercial and high-rise residential buildings. Standard 90.1 is under "continuous maintenance" by ASHRAE, which means that a new version of the standard is released every three years. I understand that in this litigation, three versions of Standard 90.1 are at issue: the 2004, 2007, and 2010 versions. Attached to this declaration are a true and correct copy of Standard 90.1-2007 (attached as **Exhibit 1**) and Standard 90.1-2010 (attached as **Exhibit 2**).
- 3. To further ensure public access, ASHRAE offers online read-only access to many of its standards—particularly those standards that have been incorporated into codes—on the ASHRAE website, available at <a href="https://www.ashrae.org/technical-resources/standards-and-guidelines/read-only-versions-of-ashrae-standards">https://www.ashrae.org/technical-resources/standards-and-guidelines/read-only-versions-of-ashrae-standards</a>. This portion of the ASHRAE website allows viewers to read ASHRAE standards, including the 2004, 2007, and 2010 versions of Standard 90.1. ASHRAE feels it is important to provide this public service so that the public can have access to authentic versions of our standards in a format that allows readers to educate themselves on the standards but that does not harm ASHRAE's business.



- 4. Each time new versions of ASHRAE standards are developed, ASHRAE offers those standards for sale. Sales of the standards are an important piece of ASHRAE's yearly revenues. ASHRAE also relies on membership fees as a significant source of its revenues, and a primary driver of memberships is that members gain access to ASHRAE standards at a discount. These sources of revenue permit ASHRAE to keep operating and developing new standards. As stated above, ASHRAE also makes new versions of many of its standards available for read-only access on its website. ASHRAE does not believe it is harmed by operating the reading room or that the reading room significantly compromises ASHRAE's ability to generate revenue. Instead, the reading room allows for ASHRAE to maintain control over its standards and insure use in ways that benefit ASHRAE. For instance, a user that samples the standard on the ASHRAE site may decide they prefer a mobile version of the standard to take to a construction job site; since the free version is read-only, that user would then buy a copy of the standard. For users that are content viewing the standard on the website, it still provides ASHRAE an opportunity to expose that individual to other products offered by ASHRAE, including by promoting trainings, conferences, and certifications offered on the ASHRAE website.
- 5. Unlike ASHRAE's read-only versions of the standards, ASHRAE believes that versions provided for free (in a downloadable or printable format) by others are harmful to ASHRAE's business. When a third-party, like Public.Resource.Org, purports to offer the exact same standard for free online, ASHRAE believes that provides ASHRAE's target market, which includes builders, contractors, and architects, with free access to products they would otherwise purchase from ASHRAE. These potential customers can now use printed versions of the ASHRAE standards without paying ASHRAE and without interacting with the ASHRAE website.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct.



Executed this 40 day of October 2019 at 12.35 pm

Stephanie Reiniche

#### MATERIAL UNDER SEAL DELETED JA06948-JA07138

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# IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a ASTM INTERNATIONAL;

NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,

Plaintiffs/Counter-defendants,

v.

PUBLIC.RESOURCE.ORG, INC.,

Defendant/Counterclaimant.

Case No. 1:13-cv-01215-TSC

#### PUBLIC RESOURCE'S SECOND MOTION FOR SUMMARY JUDGMENT

Defendant-Counterclaimant Public.Resource.Org, Inc. ("Public Resource") respectfully moves for summary judgment against Plaintiffs American Society for Testing and Materials d/b/a ASTM International, National Fire Protection Association, Inc., and American Society of Heating, Refrigerating, and Air Conditioning Engineers because Public Resource's reproduction, display, and distribution of the works listed in Appendix A to Plaintiffs' motion (Dkt. 198-2) does not constitute copyright infringement and because the Plaintiffs have not met their burden for obtaining a permanent injunction under the Supreme Court's standard in *eBay Inc. v. MercExchange*, *L.L.C.*, 547 U.S. 388 (2006).

As Public Resource describes in the accompanying memorandum of law in support of its motion for summary judgment and opposition to Plaintiffs' motion for summary judgment and

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permanent injunction, there are no genuine issues of material fact that would preclude summary judgment in favor of Public Resource. Public Resource's use of the incorporated standards is a non-infringing fair use. Moreover, Plaintiffs have not articulated any facts to meet all requirements for a permanent injunction under *eBay* and thus conclusively fail to show any right to the relief they seek in the case.

Public Resource further asserts that the Plaintiffs cannot assert copyright in the laws by incorporation at issue because the complete works they claim are binding laws of the United States and at least one state; because they are not copyrightable subject matter, excluded by 17 U.S.C. § 102(b); because the merger doctrine precludes enforcement of copyright in the works that the Plaintiffs assert, which have become government edicts and political facts as laws by incorporation; and because enforcement of the copyrights through the prior restraint that the Plaintiffs seek in this case would violate the First, Fifth, and Fourteenth Amendments of the United States Constitution. Because the United States Court of Appeals for the District of Columbia Circuit reserved a ruling on these issues in the recent appeal and remanded the case to this Court for re-evaluation of the fair use doctrine, and because Public Resource wishes to preserve these issues for a further appeal if necessary, Public Resource formally reasserts its earlier arguments on these points and incorporates here by reference the filings in support of its first motion for summary judgment at Docket Nos. 120-126, 146-147, 149, 151, 160-161, and 163-168.

Public Resource requests an oral hearing on its motion and its opposition to Plaintiffs' second motion for summary judgment and motion for a permanent injunction.

This motion relies on the attached memorandum of points and authorities; the declarations of Carl Malamud and Matthew Becker; Public Resource's request for judicial notice; the index of consolidated exhibits and the exhibits accompanying this motion; Public Resource's proposed

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order, the pleadings and papers on file, specifically including Public Resource's filings on its earlier summary judgment motion; and any further material and argument that the parties may present to the Court at the hearing.

Dated: November 12, 2019 Respectfully submitted,

#### /s/ Andrew P. Bridges

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#### MATERIAL UNDER SEAL DELETED JA07142-JA07198

## IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a ASTM INTERNATIONAL;

NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,

Plaintiffs/Counter-defendants,

 $\mathbf{V}$ .

PUBLIC.RESOURCE.ORG, INC.,

Defendant/Counterclaimant.

Case No. 1:13-cv-01215-TSC

# DECLARATION OF CARL MALAMUD IN OPPOSITION TO [198] PLAINTIFFS' MOTION FOR SUMMARY JUDGMENT AND IN SUPPORT OF DEFENDANT PUBLIC.RESOURCE.ORG., INC.'S CROSS MOTION FOR SUMMARY JUDGMENT

- 1. Since 2007, I have been the President and Founder of Public.Resource.Org ("Public Resource"), a nonprofit corporation incorporated in California which operates solely for educational and charitable purposes and is registered under Section 501(c)(3) of the Internal Revenue Code. I have personal knowledge of the matters stated in this declaration and could competently testify to them if called as a witness.
- 2. In this declaration, I address: (I) Some background on my previous work; and (II) my motivation and practices concerning the issues currently before the Court.

# I. CONTRIBUTIONS TO GOVERNMENT AND TO THE PUBLIC, AND EFFORTS TO MAKE GOVERNMENT AND LEGAL INFORMATION FREELY AVAILABLE

- 3. I completed my doctoral coursework in Economics at the Indiana University School of Business, with a focus on antitrust and regulation. I dropped out of that program to work for the Indiana University computing center, where I worked on early relational database programs and computer networking, managed a large computer literacy program for business students, and assisted the computing center in connecting our university to the Internet.
- 4. In 1984, I was part of a small team at the Board of Governors of the Federal Reserve System that substantially changed how the Board used computers. We created a distributed architecture for the Research Division, installed Unix workstations and a computer network, and provided economists tools that led to substantial improvements in key indicators such as forecasts of the money supply.
- 5. I spent the rest of the 1980s as a computer consultant to the Argonne and Lawrence Livermore National Laboratories and the Department of Defense, as well as teaching advanced seminars in relational databases and computer networks. During that time, I shifted my focus to writing, authoring six books including a three-volume professional series on computer networks and one of the earliest books on relational databases. I also wrote extensively for the press as a featured columnist for publications such as Data Communications, Communications Week, and the Bangkok Post.
- 6. In the 1990s, I began to shift my focus exclusively to the global Internet, and in 1993 I founded the first radio station on the Internet, which I ran as a 501(c)(3) nonprofit public station. My weekly radio program "Geek of the Week" is considered the first "podcast." We live-streamed all the luncheon addresses from the National Press Club, and I helped put the club on-line. Exhibit 1 is a copy I obtained of an article about my work in this matter: John Markoff,

"Turning the Desktop PC Into a Talk Radio Medium," New York Times, March 4, 1993.

- 7. In January 1994, I began efforts to make government materials, and especially legal materials, more widely available on the Internet. I used a National Science Foundation grant to purchase all electronic filings submitted by corporations to the Securities and Exchange Commission and made the Electronic Data Gathering and Retrieval (known as "EDGAR") service available for free on the Internet. **Exhibit 2** is a copy of an article about my work in this matter: John Markoff, "Plan Opens More Data To Public," New York Times, October 22, 1993.
- 8. In August 1995, I donated computers and software to the Securities and Exchange Commission so that it was were able to take over the EDGAR service. It ran the service on the Internet for several years using software we developed. **Exhibit 3** is a letter from the Securities and Exchange Commission to me on August 31, 1995, stating in part: "Looking forward to your support as we continue down the road you've paved." The SEC is still running this popular service today (now using their own software), making SEC filings available to the public at no cost, here: <a href="https://www.sec.gov/edgar.shtml">https://www.sec.gov/edgar.shtml</a>.
- 9. In 1994, I obtained the first "new media" credentials from the Radio-TV Gallery of the U.S. House of Representatives and started live-streaming all proceedings from the floors of the House and Senate. **Exhibit 4** is a copy of an article written about my work in this matter: John Schwartz, "Superhighway Routed Through Capitol Hill," Washington Post, September 9, 1994.
- 10. In 1995, I assisted the Joint Economic Committee in doing the first congressional hearing on the Internet, including live-streaming of the proceedings and questions received for the witnesses from viewers on the Internet. **Exhibit 5** is a letter from Senator Connie Mack to me on June 16, 1995, concerning the hearing.

- World's Fair on the Internet. The fair attracted 5 million unique visitors, and included real-world events throughout the globe in locations such as Japan, Taiwan, the Netherlands, India, and Kazakhstan. The fair received letters of support from numerous heads of state including Presidents William J. Clinton and Boris Yeltsin; and my book on the world's fair, published by MIT Press, included a foreword from His Holiness the Dalai Lama. **Exhibit 6** is a copy of an article about my work in this matter: Katie Hafner, "The Man With Ideas: The Robert Moses of Cyberspace Plans a 1996 World's Fair," Newsweek, July 24, 1995. **Exhibit 7** is a copy of the foreword from my book: "Foreword by His Holiness the Dalai Lama," A World's Fair for the Information Age, MIT Press (1997).
- 12. In 1994, I purchased feeds of all U.S. patents and made them available for free on the Internet. I sought to convince the U.S. Patent and Trademark Office to provide this service instead of me, and in 1998 I engaged in a successful campaign to have the government make this information directly available to the public without charge. **Exhibit 8** is a of an article about my work in this matter: John Schwartz, "Ideas Whose Time for Free Access Has Come," Washington Post, June 29, 1998. **Exhibit 9** is a copy of another article about my work in this matter: John Markoff, "U.S. to Release Patent Data On a World Wide Web Site," New York Times, June 25, 1998.
- 13. In 2005 and 2006, I was the Chief Technology Officer for the non-profit education organization Center for American Progress. While there, I spent considerable time developing a plan that would make all congressional hearings available to the public in high-resolution video. The plan generated considerable interest throughout government. After I left the Center, I continued to pursue this idea. **Exhibit 10** is a letter to me from the Public Printer of

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the United States on July 27, 2006 supporting my proposal. **Exhibit 11** is a letter to me from Hon. Nancy Pelosi, the Speaker of the House of Representatives, on April 17, 2008, supporting my "FedFlix" initiative, in which she stated: "I thank you for your work to increase public discourse on technology, public domain, and transparency issues and look forward to continuing to work with you."

- 14. In 2007, I created Public.Resource.Org. One of the first intensive projects Public Resource undertook was to make congressional hearings more broadly available. After C-SPAN asserted copyright over the broadcast feed of the Speaker testifying before the House, I intervened and the result was broader availability of congressional hearings. As part of that effort, I purchased hundreds of DVDs of congressional hearings, with C-SPAN's blessing, and posted them for free access on the net. **Exhibit 12** is a copy of an article about my work in this matter: James Fallows, "Another Win for Carl Malamud," Atlantic Monthly, March 9, 2007.
- 15. In 2011, in one of his first acts upon taking office, Speaker John Boehner, together with Representative Darrell Issa, chair of the House Committee on Oversight and Government Reform, asked me to assist the U.S. House of Representatives in making congressional video more broadly available. As part of that effort, I helped make the Committee on Oversight and Government Reform the first committee to provide closed-captioning of video, and over the course of the project I posted over 14,000 hours of congressional video spanning a decade, and assisted committees in posting some of these videos on their own web sites. That effort was later recognized on the floor of the House. Exhibit 13 is a letter from Speaker Boehner and Chairman Issa to me, on January 5, 2011, stating in part: "We're writing today to thank you for your nearly two decades of work to increase the availability of public data, and more recently your efforts to publish proceedings of the House Oversight and Government

Reform Committee in their entirety." **Exhibit 14** is a correct copy of the Remarks of Congressman Issa titled "Commemorating the Tenth Anniversary of Public.Resource.Org," Congressional Record, Page E285, March 7, 2017.

- 16. From 2007 to 2015, Public Resource purchased and processed over 2,000 DVDs from the Internal Revenue Service containing the tax returns of non-profit organizations. In the course of that work, I found and redacted over 450,000 social security numbers and other privacy violations and submitted numerous reports to the IRS until it made substantial changes in its regulations to provide for the redaction of personal information. I also pressed the IRS to release e-file versions of non-profit tax returns and pursued a successful Freedom of Information suit in the U.S. District Court which resulted in the release of over 1.5 million e-file returns and substantial changes in IRS policy. *Public.Resource.org v. U.S. Internal Revenue Serv.*, 78 F. Supp. 3d 1262 (N.D. Cal. 2015). The data I processed forms the basis for the non-profit journalism organization ProPublica's free search service for non-profit returns. *Exhibit 15* is a copy of an article about my work in this matter: Suzanne Perry, "IRS Plans to Begin Releasing Electronic Nonprofit Tax Forms Next Year," Chronicle of Philanthropy, June 30, 2015.
- 17. In 2007, Public Resource made available for the first time historical opinions of all circuits of the U.S. Court of Appeals for free access on the Internet.
- 18. In the process of posting the Court of Appeals opinions, I found numerous Social Security Numbers in the opinions, some of which were visible on court web sites. I informed the Clerks of all the Circuits of this so that they were able to redact this information. **Exhibit 16** is a copy of an article about my work in this matter: Robert Ambrogi, "1.8M Pages of Federal Case Law To Go Public," Law Sites, November 14, 2007. **Exhibit 17** is a copy of a letter to me from the Hon. Lee H. Rosenthal, Chair of the Committee on Rules of Practice and Procedure of the

Judicial Conference of the United States, on July 16, 2008, thanking me for the information I provided and stating "[i]t is enormously helpful to have the benefit of the empirical research that you have done."

- 19. In 2008, I discovered thousands of documents with privacy violations in the PACER database of federal court filings after a colleague downloaded documents from a public access site of the Administrative Office of the U.S. Courts. I informed chief judges of 32 U.S. district courts about these issues, and many of them responded by ensuring that the documents were properly redacted. I also briefed congressional officials and, at the request of that court's Chief Judge, the U.S. Court of Appeals for the Ninth Circuit. **Exhibit 18** is a copy of a letter to me from Chief Judge Royce C. Lamberth, U.S. District Court for the District of Columbia, on January 28, 2009, thanking me for my work and stating that the documents I had identified with social security numbers would be replaced with partially redacted versions. **Exhibit 19** is a copy of a letter from U.S. Senator Joseph I. Lieberman to Hon. Lee H. Rosenthal, on February 27, 2009, addressing my work and the need to better ensure redactions of sensitive personal data. **Exhibit 20** is a copy of my prepared statement before the U.S. Court of Appeals for the Ninth Circuit on June 23, 2010.
- 20. In April 2009, I signed Agreement No. NTIS-1832 with the National Technical Information Service, a part of the Department of Commerce, to start the FedFlix project I created to post decades of films and videos produced by the federal government. As part of that effort, NTIS sent me several hundred videos in various old formats. I digitized those videos and returned them to NTIS along with a disk drive of the digitized videos. I then posted the videos on YouTube and the Internet Archive.
  - 21. In 2010, I met with the Honorable David Ferriero, Archivist of the United States,

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and he agreed to let me send volunteers into the National Archives along with DVD duplicators. The volunteers, whom we called the "International Amateur Scanning League," reproduced over 5,000 videos. Those were added to the YouTube and Internet Archive sites. The YouTube FedFlix channel has over 186,000 subscribers and has had over 74 million views. It can be accessed at <a href="https://www.youtube.com/user/PublicResourceOrg">https://www.youtube.com/user/PublicResourceOrg</a>. The Internet Archive FedFlix collection has had close to 18 million views and can be accessed at <a href="https://archive.org/details/FedFlix">https://archive.org/details/FedFlix</a>.

22. In January 2009, President Obama's transition effort asked me to develop plans for transforming the Federal Register. Those plans were adopted, and this resulted in making source code for the Federal Register available to the public at no charge. This code was then used by a number of open source programmers in California to create a vastly better version of the Federal Register, and this new version was subsequently adopted by the Office of the Federal Register as its official web site. I assisted the Office of the Federal Register and the White House throughout this process. I nominated the Office of the Federal Register for the first-ever Walter Gellhorn Award for innovation in government services by the Administrative Conference of the United States, of which I was a member, and was delighted that they won. The Archivist of the United States subsequently recognized my efforts. **Exhibit 21** is a copy of my submission to the Presidential Transition Effort ("Change.Gov"), titled "Federal Register 2.0," on January 5, 2009. Exhibit 22 is a copy of a letter from the Hon. David Ferriero, Archivist of the United States to me, on April 2, 2019, describing Public Resource's "long-term commitment to public access," mentioning receipt of the Walter Gellhorn Award, and stating in closing: "Our Founding Fathers believed that an informed and involved citizenry was key to our democracy and Public Resource helps us make[] this true."

23. A number of organizations have recognized my efforts to make government information more accessible. In 2008, Harvard University presented me the Berkman Award for "outstanding contributions to the Internet's impact on society." In 2008 and 2016, the Society of Professional Journalists presented me the James Madison Award for Freedom of Information. In 2009, the First Amendment Coalition presented me the Bill Farr Award for furthering the principles of free speech, free press, and public access to government. In 2009, the Electronic Frontier Foundation, an organization with a mission to protect and promote privacy, civil liberties, and free expression (and one of the lead *pro bono* counsel for Public.Resource.Org in this case), presented me the Pioneer Award. In 2019, the American Association of Law Libraries presented me the Public Access to Government Information award.

#### II. PUBLIC RESOURCE'S EFFORTS TO MAKE THE LAW FREELY AVAILABLE

- 24. My efforts to make the law available began with the judicial branch, but I was also keenly interested in state statutes. After the State of Oregon objected to Public Resource's posting of the Oregon Revised Statutes, I was invited to appear before the Legislative Counsel Committee, a joint committee of the Oregon Legislature chaired by the Speaker of the House and the Senate President. After hearing from a number of witnesses, including the Legislative Counsel, the committee voted to waive all assertions of copyright over the Oregon Revised Statutes. **Exhibit 23** is a copy of my prepared statement before the Oregon State Legislature Legislative Counsel Committee on June 19, 2008.
- 25. In 2012, a similar situation occurred regarding the posting of the official Code of the District of Columbia. After the General Counsel of the District of Columbia studied the situation, he actively encouraged a number of my colleagues in the open source community to work with the code, and the results were a spectacularly better web site for public access to the laws of the District of Columbia. The software is maintained by the non-profit Open Law Library

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and can be seen at <a href="https://code.dccouncil.us/">https://code.dccouncil.us/</a>.

- 26. Not all states have been as welcoming to such efforts. The States of Georgia and Mississippi both objected strenuously to efforts to make their state laws more broadly accessible, and the State of Georgia sued Public.Resource.Org. That case is now before the U.S. Supreme Court, and it has attracted widespread attention from a number of amici and commentators. *State of Georgia et. al. v. Public.Resource.Org*, U.S. Supreme Court Docket 18-1150. **Exhibit 24** is a copy of an article about my work in this matter: The Editorial Board, "The Law©?," New York Times, June 25, 2019.
- 27. Because of my long-standing interest in administrative law and my interaction with groups such as the Office of the Federal Register, I was naturally drawn to the regulations of my home state, California. I spent considerable effort converting the California Code of Regulations into HTML (hypertext markup language), including conversion of all the diagrams to the open "SVG" (scalable vector graphics) standard, which allows high-quality diagrams to be resized and coded the formulas to the open "MathML" standard, which makes the mathematical expressions accessible to the visually impaired.
- 28. Although most portions of the California Code of Regulations are freely available online, a notable gap in the California Code of Regulations is Title 24, which are the public safety codes of California, including the building, fire, electrical, plumbing, mechanical, and other state-wide public safety codes. The codes are developed and released on a triennial cycle which includes numerous public hearings coordinated by the Building Standards Commission with the strong participation of 13 additional state agencies. The process results in a triennial release of heavily amended versions of model codes, versions that are issued under the authority of the State of California and must be enforced by all municipalities and counties in the state.

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- 29. After deep study of the mechanics of this process of adoption, and reading legal decisions relevant to the question, such as the *Veeck* decision of the Fifth Circuit, I began purchasing and posting Title 24 of the California Code of Regulations in 2008. I then carefully examined other state statutes and regulations looking for explicit and deliberate incorporation by reference of other codes that had binding effect in state laws and regulations.
- 30. In 2010, I wrote to Ms. Maureen Brodoff, General Counsel of NFPA, and asked for a meeting with Mr. James Shannon, then the President of the organization. In June 2011, I met with Ms. Brodoff and Mr. Shannon. They requested that the meeting be governed by a Non-Disclosure Agreement so I am not able to discuss the details, but I can say the meeting was cordial and informative. In 2012, NFPA asked if I could come to Boston to discuss issues with its technical staff and offered to pay for my plane ticket.
- 31. Based on my frequent interactions with the Government Printing Office and the Office of the Federal Register and my membership in the Administrative Conference of the United States, I was quite familiar with the Code of Federal Regulations and the process of incorporation by reference. In 2012, I made a careful study of the Code of Federal Regulations and purchased a number of standards that it had incorporated. I made copies of those standards, added additional materials including a number of letters addressed to government officials, and sent these packets to 10 standards bodies and a number of government agencies. In those packets, I set out my thoughts as to why these materials were binding law and should be made available to the general public. I asked for comments from the standards bodies, but not one responded. Exhibit 25 is a correct copy of a document I sent in these mailings, with the title "Notice of Incorporation," dated March 15, 2012.
  - 32. After waiting 45 days for comments (and sending notes to organizations such as

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NFPA to make sure they had received the packets), I began posting standards that the federal government had incorporated by reference into the Code of Federal Regulations. I heard nothing from standards bodies, with the exception of two take-down notices, one in November 2012 from the American Petroleum Institute and one in December 2012 from the National Standard Plumbing Code Committee. In each case I responded with a letter stating why I believed these documents were properly incorporated into law, and in both cases I did not hear back from the organizations.

- 33. In January 2013, I was contacted by the Sheet Metal and Air Conditioning Contractors National Association (SMACNA) concerning the posting of the "HVAC Air Duct Leakage Test Manual" which was incorporated by reference into 10 CFR § 434.403 as well into state regulations. I responded to SMACNA stating my reasons for posting the document in question. Exhibit 26 is a copy of my response to SMACNA, on January 11, 2013.
- 34. After SMACNA continued to object and threatened suit, Public Resource sued for declaratory relief in the U.S. District Court for the Northern District of California,

  \*Public.Resource.Org v. Sheet Metal and Air Conditioning Contractors' National Association,

  \*Inc., Case No. 3:13-cv-00815. On July 9, 2013 SMACNA agreed to a stipulated judgment in which it agreed no longer to threaten Public Resource or other parties for the posting of 4 standards explicitly incorporated into the CFR, not to assert copyright in those documents, and to pay Public Resource a token one dollar. \*Exhibit 27\* is a correct copy of the Stipulation and Judgment resolving that lawsuit.
- 35. Throughout the six years this lawsuit has been ongoing, I have been driven by one key fact, one that is uncontested: standards incorporated by reference into the U.S. Code of Federal Regulations have the force of law. As S. Joe Bhatia, the President of the American

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National Standards Institute, has said, "A standard that has been incorporated by reference does have the force of law, and it should be available." He stated this when ANSI and other standards bodies, including the plaintiffs in the present action, announced they were making standards available for the first time for public viewing in a carefully controlled "reading room." This action was a direct response to my posting of standards in 2012 and occurred in conjunction with the filing of this lawsuit. **Exhibit 28** is a copy I of an article from the ANSI website, titled "ANSI Launches Online Portal for Standards Incorporated by Reference," dated October 28, 2013.

- astep to make their documents available, if only for limited reading. This is a step forward and is certainly different from their posture before my initiative in 2012. But it is not enough in terms of promulgating the law widely. I believe the issue is whether citizens have the right to speak the law in a way that allows others to better understand their rights and obligations. I am inspired by the example of John B. West, who created the National Reporter System, an action that would not have been possible if state and federal courts had asserted copyright over the opinions of the judges. I presented this view before the House of Delegates of the American Bar Association. Exhibit 29 is a copy of my prepared remarks before the ABA House of Delegates on August 9, 2016. Exhibit 30 is a copy of an article about my work in this matter: Lorelei Laird, "After debate, ABA House calls for publication of privately drafted standards used in legislation," ABA Journal, August 9, 2016.
- 37. I have also been inspired by the story of the Hot Oil case, where a case reached the U.S. Supreme Court in which nobody knew what the law really was. *Panama Refining Co. v. Ryan*, 293 U.S. 388 (1935). This led Justice Brandeis to reach out to Felix Frankfurter, who

Review resulting in the passage of the Administrative Procedures Act and the creation of the Federal Register. This story was told on the 70th Anniversary of the Federal Register and then again on the 75th Anniversary when the Office of the Federal Register formally released an official "Federal Register 2.0," which I helped create. **Exhibit 31** is a correct copy of an article about that event: Hon. David Ferriero, "Federal Register 2.0," The White House Blog, July 26, 2010. **Exhibit 32** is a copy of a document commemorating this event: History of the Federal Register, March 14, 2006.

- the standards published by the plaintiffs. Butfor me the *work at issue* has always been the Code of Federal Regulations and state codes such as Title 24 of the California Code of Regulations. My goal has always been to create an unabridged version of the law, one that is able to better inform my fellow citizens about their rights and obligations. Because of the lawsuit, Public Resource's work on making the unabridged CFR available has been greatly hampered, but we are continuing our efforts to improve access to the CFR. For example, Public Resource has been assisting the Cornell Legal Information Institute by redrawing the diagrams in the CFR into SVG, coding the mathematics, and taking the forms and tables that are often included as bitmap images into valid HTML code. The Cornell version of the CFR is far more accessible than the government versions, and I believe that the Cornell version is also used far more often by citizens. Exhibit 33 is a copy of an article about my work with the Cornell Legal Information Institute: Cornell Legal Information Institute, "Worth A Thousand Words: We're Upping Our Game for Images," April 4, 2019.
  - 39. In twelve years of studying standards incorporated by reference, I am struck by

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the fact that I have never once come across an instance of a standards body objecting to a standard being incorporated by reference into law (except where it objects to having an older edition incorporated into law, preferring a newer edition). Indeed, in the vast majority of the instances, incorporation into law is an explicit goal of the standards organizations. I realize that a great deal of material is incorporated by reference; indeed, in many instances I believe that regulators and standards bodies are too quick to make the law more voluminous than it should be. But it is not my place to second-guess the regulators.

- 40. I have exercised great care in trying to only post materials that have been made into law, including having numerous conversations with the Office of the Federal Register to understand exactly what has been incorporated. For example, **Exhibit 34** is a copy of an email exchange on March 1, 2016, that I had with Amy Bunk, Director of Legal Affairs and Policy at the Office of the Federal Register, in which she stated: "Our regulations require that agencies specifically identify the materials they wish to incorporate by reference, whether it is an entire publication or sections of a publication. If an agency hasn't identified a specific section of a publication, they have incorporated the entire publication." The fact that a standards body coordinated a document, often with the participation and encouragement of numerous government agencies among the actual authors, strikes me no different than the fact that numerous lobbyists on K Street assist the Congress and regulators by coordinating (and often writing) draft legislative texts that become laws and regulations. The true authors of the law, once it is promulgated, are the people of the United States, and thus no claim of copyright can prevent or constrain citizens from speaking their own laws.
- 41. I do not believe I am unique in my passion for making the law available. In a democracy, promulgation is a key aspect of the rule of law. It is the key to our democratic system

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of government. I am inspired and often quote the words of John Adams in his seminal "A Dissertation on the Canon and Feudal Law." He said: "liberty cannot be preserved without a general knowledge among the people, who have a right, from the frame of their nature, to knowledge ... they have a right ... to that most dreaded and envied kind of knowledge, I mean, of the characters and conduct of their rulers. Rulers are no more than attorneys, agents, and trustees for the people. ... let the public disputations become researches into the grounds and nature and ends of government, and the means of preserving the good and demolishing the evil. ... In a word, let every sluice of knowledge be opened and set a-flowing." **Exhibit 35** is a copy of John Adams' "Dissertation on the Canon and Feudal Law."

42. I am aware that in its opinion for *Bellwether Properties, LLC*, v. *Duke Energy Indiana, Inc.*, 87 N.E.3d 462, 468–69 (Ind. 2017), the Indiana Supreme Court stated that the only way it was able to access a version of the 2002 version of the National Electrical Safety Code (NESC), which the Institute of Electrical and Electronic Engineers (IEEE) had promulgated, was by finding it online on the Internet Archive, at

https://ia600704.us.archive.org/16/items/gov.law.ieee.c2.2002/ieee.c2.2002.pdf. I am the person who posted that 2002 version of the NESC to that location on the Internet Archive, in the course of my efforts to make the law freely available. The metadata page for this document indicates that it was "Uploaded by Public.Resource.Org," see

https://archive.org/details/gov.law.ieee.c2.2002 and

https://ia600704.us.archive.org/16/items/gov.law.ieee.c2.2002/ieee.c2.2002.pdf meta.txt.

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I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct. Executed this 4th day of November, 2019 at New Delhi, India.

Carl Malamud

## IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF COLUMBIA

AMERICAN SOCIETY FOR TESTING AND MATERIALS d/b/a ASTM INTERNATIONAL;

NATIONAL FIRE PROTECTION ASSOCIATION, INC.; and

AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR CONDITIONING ENGINEERS,

Plaintiffs/Counter-defendants,

v.

PUBLIC.RESOURCE.ORG, INC.,

Defendant/Counterclaimant.

Case No. 1:13-cv-01215-TSC

# SUPPLEMENTAL DECLARATION OF MATTHEW BECKER IN OPPOSITION TO [198] PLAINTIFFS' MOTION FOR SUMMARY JUDGMENT AND PERMANENT INJUNCTION AND IN SUPPORT OF DEFENDANT PUBLIC RESOURCE'S SECOND MOTION FOR SUMMARY JUDGMENT

- I, Matthew Becker, declare pursuant to 28 U.S.C. § 1746 as follows:
- 1. I am an attorney admitted to practice in the District of Columbia and am an associate with the law firm of Fenwick & West LLP, counsel of record for Defendant-Counterclaimant Public.Resource.Org, Inc. ("Public Resource"). Except where otherwise indicated, I have personal knowledge of the facts herein and could and would testify competently hereto.

#### I. NEWLY OBTAINED OR NOW UNABRIDGED DEPOSITION TESTIMONY

2. The first two deposition transcripts provide newly obtained testimony from current and former government officials that is pertinent to several aspects of the incorporation process,

use of the standards as laws, and public access to those laws, among other issues. After those, I attach here complete copies of deposition transcripts that had previously been provided to the Court only in part. These complete copies are attached both for the convenience of having them collected in one place, and also in case unabridged copies might aid the Court in its analysis.

- 3. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 36** is a true and correct transcript of the deposition of Mia D. Marvelli, dated August 19, 2019.
- 4. Attached to Public Resource's Consolidated Index of Exhibits as <u>Exhibit 37</u> is a true and correct transcript of the deposition of Mary H. Saunders, dated August 15, 2019.
- 5. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 38** is a true and correct transcript of the deposition of Plaintiffs' expert, John Jarosz, dated August 27, 2015. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 9.
- 6. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 39** is a true and correct transcript of the deposition of Public Resource's expert, James Fruchterman, dated July 31, 2015. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 7.
- 7. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 40** is a true and correct transcript of the deposition of Daniel Smith, one of ASTM's Rule 30(b)(6) designees, dated July 24, 2015. Portions of this transcript were previously provided at Dkt. 122-2, Ex. 13.
- 8. Attached to Public Resource's Consolidated Index of Exhibits as <u>Exhibit 41</u> is a true and correct transcript of the deposition of Christian Dubay, one of NFPA's Rule 30(b)(6) designees, dated April 1, 2015. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 6.

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- 9. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 42** is a true and correct transcript of the deposition of Bruce Mullen, one of NFPA's Rule 30(b)(6) designees, dated March 31, 2015. Portions of this transcript were previously provided at Dkt. 122-2, Ex. 11.
- 10. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 43** is a true and correct transcript of the deposition of Stephanie Reiniche, one of ASHRAE's Rule 30(b)(6) designees, dated March 30, 2015. Portions of this transcript were previously provided at Dkt. 122-2, Ex. 12.
- 11. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 44** is a true and correct transcript of the deposition of Steven Comstock, one of ASHRAE's Rule 30(b)(6) designees, dated March 5, 2015. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 5.
- 12. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 45** is a true and correct transcript of the deposition of Jeffrey Grove, one of ASTM's Rule 30(b)(6) designees, dated March 4, 2015. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 8.
- 13. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 46** is a true and correct transcript of the deposition of Donald Bliss, one of NFPA's Rule 30(b)(6) designees, dated March 3, 2015. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 4.
- 14. Attached to Public Resource's Consolidated Index of Exhibits as <u>Exhibit 47</u> is a true and correct transcript of the deposition of Carl Malamud, dated February 27, 2015. Portions of this transcript were previously provided at Dkt. 122-12, Ex. 3.

- 15. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 48** is a true and correct transcript of the deposition of Carl Malamud as Rule 30(b)(6) designee for Public Resource, dated February 26, 2015. Portions of this transcript were previously provided at Dkt. 118-12, Ex. 2.
- 16. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 49** is a true and correct transcript of the deposition of Vikas Bhutada, Rule 30(b)(6) designee for third party HTC Global Services, dated November 5, 2014. Portions of this transcript were previously provided at Dkt. 122-12, Ex. 5.
- 17. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 50** is a true and correct transcript of the deposition of Rebecca Malamud, Rule 30(b)(6) designee for third party Point B Studio, dated November 13, 2014. Portions of this transcript were previously provided at Dkt. 122-1, Ex. 10.
- 18. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 51** is a true and correct copy of ASHRAE's Answers and Objections to Public Resource's Third Set of Interrogatories, dated June 26, 2019.
- 19. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 52** is a true and correct copy of NFPA's Answers and Objections to Public Resource's Third Set of Interrogatories, dated July 1, 2019.
- 20. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 53** is a true and correct copy of ASTM's Second Supplemental Objections and Responses to Public Resource's Third Set of Interrogatories, dated September 9, 2019.

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- 21. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 54** is a true and correct copy of ASTM's Objections and Responses to Public Resource's First Set of Interrogatories, dated March 24, 2014.
- 22. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 55** is a true and correct copy of ASHRAE's 2016-17 Financial Update and Budget Board of Directors Presentation, produced as begin Bates reference ASHRAE0045821.
- 23. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 56** is a true and correct copy of ASHRAE's 2017-18 Financial Update and Budget Board of Directors Presentation, produced as begin Bates reference ASHRAE0045848.
- 24. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 57** is a true and correct copy of Exhibit 5 from the deposition of Mary Saunders.
- 25. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 58** is a true and correct copy of Exhibit 9 from the deposition of Mary Saunders. This exhibit is the Office of the Federal Register's "IBR Handbook," dated July 2018, available at https://www.archives.gov/federal-register/write/handbook.
- 26. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 59** is a true and correct copy of Exhibit 10 from the deposition of Mary Saunders.
- 27. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 60** is a true and correct copy of Exhibit 11 from the deposition of Mary Saunders.
- 28. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 61** is a true and correct copy of Exhibit 13 from the deposition of Mary Saunders.
- 29. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 62** is a true and correct copy of Exhibit 14 from the deposition of Mary Saunders.

- 30. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 63** is a true and correct copy of Exhibit 21 from the deposition of Mary Saunders.
- 31. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 64** is a true and correct copy of Exhibit 23 from the deposition of Mary Saunders.
- 32. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 65** is a true and correct copy of Exhibit 24 from the deposition of Mary Saunders.
- 33. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 66** is a true and correct copy of Exhibit 25 from the deposition of Mary Saunders.
- 34. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 67** is a true and correct copy of Exhibit 26 from the deposition of Mary Saunders.
- 35. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 68** is a true and correct copy of Exhibit 28 from the deposition of Mary Saunders.
- 36. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 69** is a true and correct copy of Exhibit 37 from the deposition of Mary Saunders.
- 37. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 70** is a true and correct copy of Exhibit 43 from the deposition of Mary Saunders.
- 38. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 71** is a true and correct copy of Exhibit 46 from the deposition of Mary Saunders.
- 39. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 72** is a true and correct copy of the December 31, 2015 and 2014 National Fire Protection Association Financial Statements, produced as begin Bates reference NFPA-PR0097912.

- 40. Attached to Public Resource's Consolidated Index of Exhibits as <u>Exhibit 73</u> is a true and correct copy of the December 31, 2016 and 2015 National Fire Protection Association Financial Statements, produced as begin Bates reference NFPA-PR0097936.
- 41. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 74** is a true and correct copy of December 31, 2017 and 2016 National Fire Protection Association Financial Statements, produced as begin Bates reference NFPA-PR0097961.
- 42. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 75** is a true and correct copy of the December 31, 2018 and 2017 National Fire Protection Association Financial Statements, produced as begin Bates reference NFPA-PR0097987.
- 43. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 76** is a true and correct copy of the NFPA income statement, produced as begin Bates reference NFPA-PR0098016.
- 44. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 77** is a true and correct copy of the Code and Standard Units Sold, produced as begin Bates reference NFPA-PR0098022.
- 45. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 78** is a true and correct copy of page view and sales information, produced as begin Bates reference NFPA-PR0098023.
- 46. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 79** is a true and correct copy of NFPA Publication sales 2009-2013, produced as begin Bates reference NFPA-PR0098028.

- 47. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 80** is a true and correct copy of NFPA Publication sales 2014-2018, produced as begin Bates reference NFPA-PR0098029.
- 48. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 81** is a true and correct copy of an email produced as begin Bates reference NFPA-PR0098030.
- 49. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 82** is a true and correct copy of the NEC adoption maps, produced as begin Bates reference NFPA-PR0098046.
- 50. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 83** is a true and correct copy of CodeFinder Tool Disclaimer, produced as begin Bates reference NFPA-PR0098059.
- 51. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 84** is a true and correct copy of Exhibit 3 from the deposition of Mia Marvelli.
- 52. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 85** is a true and correct copy of Exhibit 4 from the deposition of Mia Marvelli.
- 53. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 86** is a true and correct copy of Exhibit 7 from the deposition of Mia Marvelli.
- 54. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 87** is a true and correct copy of Exhibit 8 from the deposition of Mia Marvelli.
- 55. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 88** is a true and correct copy of Exhibit 9 from the deposition of Mia Marvelli.
- 56. Attached as **Exhibit 89** is a table of the ASHRAE standards at issue in this case, and text of applicable incorporations into law. Because incorporations into law are numerous and

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occur at the federal, state, and local levels of government, this table does not exhaust every incorporation for the relevant standards.

- 57. Attached as **Exhibit 90** is a table of the ASTM standards at issue in this case, and text of applicable incorporations into law. Because incorporations into law are numerous and occur at the federal, state, and local levels of government, this table does not exhaust every incorporation for the relevant standards.
- 58. Attached as **Exhibit 91** is a table of the NFPA standards at issue in this case, and text of applicable incorporations into law. Because incorporations into law are numerous and occur at the federal, state, and local levels of government, this table does not exhaust every incorporation for the relevant standards.
- 59. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 92** is a true and correct copy of a printout from the National Archives website, titled "Incorporation by Reference", available at <a href="http://www.archives.gov/federal-register/cfr/ibr-locations.html">http://www.archives.gov/federal-register/cfr/ibr-locations.html</a>.
- 60. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 93** is a true and correct copy of the Declaration in Support of Probable Cause, *California v. Harris*, No. 17-CR-017349A (Cal. Super. Ct. June 5, 2017), *available at* <a href="https://www.scribd.com/document/350446988/Ghost-Ship-fire-criminal-charges">https://www.scribd.com/document/350446988/Ghost-Ship-fire-criminal-charges</a>.
- 61. Attached to Public Resource's Consolidated Index of Exhibits as <u>Exhibit 94</u> is a true and correct copy of the Criminal Complaint, *California v. Harris*, No. 17-CR-017349A (Cal. Super. Ct. June 5, 2017), *available at* <a href="https://web.archive.org/web/20170729051241/https://cbssanfran.files.wordpress.com/2017/06/almena-and-harris-complaint.pdf">https://web.archive.org/web/20170729051241/https://cbssanfran.files.wordpress.com/2017/06/almena-and-harris-complaint.pdf</a>.).

62. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 95** is a true and correct copy of the internal document produced by ASTM at ASTM102031-2.

63. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 96** is a true and correct copy of the Expert Report of James Fruchterman, previously submitted at Dkt. 122-6 and resubmitted for the convenience of the Court.

64. Attached to Public Resource's Consolidated Index of Exhibits as **Exhibit 97** is a true and correct copy of the internal document produced by ASTM at ASTM19297-9.

I declare under penalty of perjury under the laws of the United States that the foregoing is true and correct.

Executed this 12th day of November, 2019 at San Francisco, California.

/s/ Matthew B. Becker	
Matthew B. Becker	

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## **EXHIBIT 34**

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Hi Carl,

Our regulations require that agencies specifically identify the materials they wish to incorporate by reference, whether it is an entire publication or sections of a publication. If an agency hasn't identified a specific section of a publication, they have incorporated the entire publication. It's best to check each specific incorporation by reference to see what the agency has incorporated.

Amy

On Mon, Feb 29, 2016 at 3:29 PM, Carl Malamud < carl@media.org > wrote: Hi Amy -

Hope you're well!

You, me, Michael White, and Ray Mosley all discussed at various times the idea that if a document is incorporated by reference in the CFR, the entire document is incorporated unless it specifically says only one section.

Is that written down anyplace? I've looked in the IBR manual on your site, looked at the FR notices for the IBR rules going back to 1967, and can't seem to find that actually stated.

The one exception is the Mineral Management Service (MMS), now the BSEE, which makes a point of stating "The entire document is incorporated by reference, unless the text of the corresponding sections in this part  $\hat{a} \in \hat{a}$ 

https://www.law.cornell.edu/cfr/text/30/250.198

Is there a more definitive source for "the entire document is incorporated―?

Best regards,

Carl

--

Amy Bunk
Director of Legal Affairs and Policy
Office of the Federal Register
National Archives and Records Administration
(o) 202-741-6025
(b) 202-271-8041
amy.bunk@nara.gov
abunk@gpo.gov

# **EXHIBIT 36**

1	UNITED STATES DISTRICT COURT
2	FOR THE DISTRICT OF COLUMBIA
3	
4	AMERICAN SOCIETY FOR
	TESTING AND MATERIALS
5	d/b/a ASTM INTERNATIONAL;
6	NATIONAL FIRE PROTECTION
	ASSOCIATION, INC. and CASE NO.
7	AMERICAN SOCIETY OF 1:13-cv-01215-TSC-DAR
8	HEATING, REFRIGERATING,
	AND AIR CONDITIONING
9	ENGINEERS,
10	Plaintiffs-
11	Counterdefendants,
12	vs.
13	PUBLIC.RESOURCE.ORG, INC.,
14	Defendant-Counterclaimant.
15	
16	
17	VIDEOTAPED DEPOSITION OF MIA D. MARVELLI
18	Sacramento, California
19	Monday, August 19, 2019
20	Volume I
21	Reported by:
22	Carrie Pederson
23	CSR No. 4373, RMR, CRR
24	Job No. 3465980
25	Pages 1 - 202
	Page 1

1	UNITED STATES DISTRICT COURT	1	APPEARANCES: (Continued)
2	FOR THE DISTRICT OF COLUMBIA	2	,
3			For Plaintiff American Society of Testing and
4 AMER	RICAN SOCIETY FOR		
TESTI	NG AND MATERIALS	5	MORGAN, LEWIS & BOCKIUS LLP
5 d/b/a A	ASTM INTERNATIONAL;,	6	BY: J. KEVIN FEE
6 NATIO	ONAL FIRE PROTECTION	_	
	CIATION, INC. and CASE NO.	7	Attorney at Law
	RICAN SOCIETY OF 1:13-cv-01215-TSC-DAR	8	1111 Pennsylvania Avenue, NW
	ING, REFRIGERATING,	9	Washington, D.C. 20004-2541
	AIR CONDITIONING	10	202-739-5353
9 ENGI	,	11	kevin.fee@morganlewis.com
10 Plainti		12	
	erdefendants,	13	For Defendant(s):
	vs. IC.RESOURCE.ORG, INC.,	14	FENWICK & WEST LLP
	dant-Counterclaimant.	15	BY: ARMEN NERCESSIAN
15	dant Countertramant.	16	ANDREW BRIDGES
16		17	Attorneys at Law
17		18	555 California Street
18		19	12th Floor
	Videotaped Deposition of MIA D. MARVELLI,	20	San Francisco, California 94104
	ne I, taken on behalf of the defendants, at One	21	650-335-7281
21 Capito	l Mall, Suite 240, Sacramento, California,	22	anercessian@fenwick.com
22 beginn	ing at 10:04 a.m. and ending at 4:22 p.m. on		anercessian@ienwick.com
23 Monda	ay, August 19, 2019, before Carrie Pederson,	23	
	ed Shorthand Reporter No. 4373.	24	
25	D 2	25	D 4
	Page 2		Page 4
1 APP	PEARANCES:	1	APPEARANCES: (Continued):
2		2	
3 For	Plaintiff National Fire Protection Association:	3	For California Building Standards Commission and the
4	MUNGER, TOLLES & OLSON LLP		Witness:
5	BY: RACHEL G. MILLER-ZIEGLER	5	STATE OF CALIFORNIA
6	Attorney at Law	6	DEPARTMENT OF JUSTICE
7	1155 F. Street, N.W.	7	OFFICE OF THE ATTORNEY GENERAL
8	7th Floor	8	BY: JERRY YEN
9	Washington, D.C. 20004-1361	9	Attorney at Law
10	202-220-1115	10	1300 I Street
11			
	Rachel.Miller-Ziegler@mto.com	11	Sacramento, California 95814
12	And	12	916-210-7836
13	MUNGER, TOLLES & OLSON LLP	13	Jerry.Yen@doj.ca.gov
14	BY: ROSE LEDA EHLER	14	
15	Attorney at Law		Also Present:
16	350 South Grand Avenue	16	Viana Barbu, Attorney at Law
17	50th Floor	17	State of California
18	Los Angeles, California 90071-3426	18	Department of General Services
19	213-683-9240	19	Legal Division
20	rose.ehler@mto.com	20	
21		21	Videographer: John Macdonell
22		22	
23		23	
24		24	
25		25	
	Page 3		Page 5
1	•		-

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13   13   14   15   16   16   16   16   16   16   16			
3 MIA D. MARVELLI   4 Volume   1			
4 Volume I	2		2 10:04 a.m 4:22 p m.
5	3	MIA D. MARVELLI	3
Factor   F	4	Volume I	4 MIA D. MARVELLI,
Examination By Mr. Nercessian   8   Examination By Mr. Nercessian   186   9   Examination By Mr. Nercessian   186   10   Examination By Mr. Nercessian   186   10   Examination By Mr. Nercessian   199   11   Examination By Mr. Nercessian   199   12   11   Examination By Mr. Nercessian   199   12   12   13   14   14   15   16   16   16   16   16   16   16	5		5 having been administered an oath, was examined and
Examination By Ms. Miller-Ziegler	6	PAGE	6 testified as follows:
9   Examination By Mr. Nercessian   186   10   Examination By Mr. Nercessian   197   10   MS. EHLER: Yes.   10:01   12   VIDEO OPERATOR: Okay. We're on the   10:01   13 record. If's 10:04 am. on August 19th, 2019.   10:04   14   This is the deposition of Mia Marvelli.   10:04   15   We're here in the matter of American Society   10:04   16   for Testing and Materials, et al. versus   10:04   17   Public. Resource. Org.   10:04   18   We're located at One Capitol Mail in   10:04   18   We're located at One Capitol Mail in   10:04   19   Sacramento, California.   10:04   19   Sacramento, Californ	7	Examination By Mr. Nercessian 8	7 EXAMINATION
10	8	Examination By Ms. Miller-Ziegler 160	8 THE REPORTER: Good morning, counsel. Do
11	9	Examination By Mr. Nercessian 186	9 you want realtime also?
12	10	Examination By Ms. Miller-Ziegler 197	10 MS. EHLER: Yes.
13   13   13   15   16   16   16   16   16   16   16	11	Examination By Mr. Nercessian 199	11 MR. FEE: No. 10:01
14	12		12 VIDEO OPERATOR: Okay. We're on the 10:0
15	13		13 record. It's 10:04 a m. on August 19th, 2019. 10:04
15	14		14 This is the deposition of Mia Marvelli. 10:04
16   17   18   17   19   10   17   19   10   17   19   10   18   18   18   18   18   18   18	15		We're here in the matter of American Society 10:04
17   Public.Resource.Org.   10:04			•
18 We're located at One Capitol Mall in 10:04 19 Sacramento, California. 10:04 21 Vertiext. I'm not related to any party in this 10:04 22 action, nor am I a notary public or financially 10:04 23 interested. 10:04 24 Before the reporter swears the witness, 10:04 25 would counsel please identify themselves. 10:04 26 Exhibit 1 July 19, 2019 letter to Mia 24 27 Exhibit 1 July 19, 2019 letter to Mia 24 28 Exhibit 2 Marvelli Depo Prep 33 29 Exhibit 3 Codes 34 29 Exhibit 4 2019 California Electrical Code 57 29 Exhibit 5 Subpoena to Testify at a 83 210 Deposition in a Civil Action 11 Exhibit 6 March 10, 2016 email to Michael 85 210 Nearman from Pamela Maeda 12 Nearman from Pamela Maeda 13 Exhibit 7 State of California Standard 107 214 Agreement 15 Exhibit 8 August 1, 2016 email to DGS 132 216 CBSC-Sacramento Staff from Alexander Hunter 15 Exhibit 9 NCB Coordination Sheet, 141 218 Department of General Services 19 Exhibit 10 California Electrical Code 150 210 Agreement Between and Among BNi 21 Publications, Inc., Department 22 of General Services Procurement 22 Division For California Building 24 Standards Commission And The National Fire Protection And The National Fire P	17		
19 Sacramento, California. 10:04 20 I'm John Macdonell, the videographer, with 10:04 21 Veritext. I'm not related to any party in this 10:04 22 action, nor am I a notary public or financially 10:04 23 interested. 10:04 24 Before the reporter swears the witness, 10:04 25 would counsel please identify themselves. 10:04 26 Exhibit 1 July 19, 2019 letter to Mia 24 27 Exhibit 2 Marvelli from Fenwick & West LLP 28 Exhibit 3 Codes 34 29 Exhibit 5 Subpocena to Testify at a 83 20 Deposition in a Civil Action 20 Exhibit 5 State of California Electrical Code 57 21 Exhibit 6 March 10, 2016 email to Michael 85 21 Nearman from Pamela Maeda 21 Exhibit 7 State of California Standard 107 23 Exhibit 7 State of California Standard 107 24 Agreement 25 Exhibit 8 August 1, 2016 email to DGS 132 26 Commission. 10:05 27 Exhibit 9 NCB Coordination Sheet, 141 28 Department of General Services 19 Exhibit 10 California Electrical Code 150 29 Agreement Between and Among BNi 21 Publications, Inc., Department 22 of General Services Procurement 22 of General Services Procurement 23 Division For California Building 24 Standards Commission And The National Fire Protection 29 Q. Good morning. 10:05	1		
20 I'm John Macdonell, the videographer, with 10:04 21 Veritext. I'm not related to any party in this 10:04 22 action, nor am 1 a notary public or financially 10:04 23 interested. 10:04 24 Before the reporter swears the witness, 10:04 25 would counsel please identify themselves. 10:04 26 Page 6  1 EXHIBITS 2 DEFENDANT'S 3 DESCRIPTION PAGE 4 Exhibit 1 July 19, 2019 letter to Mia 24 5 Marvelli from Fenwick & West LLP 6 Exhibit 2 Marvelli Depo Prep 33 7 Exhibit 3 Codes 34 8 Exhibit 4 2019 California Electrical Code 57 9 Exhibit 5 Subpoena to Testify at a 83 10 Deposition in a Civil Action 11 Exhibit 6 March 10, 2016 email to Michael 85 11 Mearman from Pamela Maeda 13 Exhibit 7 State of California Standard 107 14 Agreement 15 Exhibit 8 August 1, 2016 email to DGS 132 16 CBSC-Sacramento Staff from Alexander Hunter 17 Exhibit 9 NCB Coordination Sheet, 141 18 Department of General Services 19 Exhibit 10 California Electrical Code 150 20 Agreement Between and Among BNi 21 Publications, Inc., Department 22 of General Services Procurement 23 Division For California Building 24 A. Good morning. 10:05	1		<u> </u>
21 Veritext. I'm not related to any party in this 10:04 22 action, nor am I a notary public or financially 10:04 23 interested. 10:04 24 Before the reporter swears the witness, 10:04 25 would counsel please identify themselves. 10:04 26 Exhibit 1 July 19, 2019 letter to Mia 24 27 Marvelli from Fenwick & West LLP 28 Exhibit 2 Marvelli Depo Prep 33 29 Exhibit 3 Codes 34 20 Exhibit 3 Codes 34 21 Exhibit 4 2019 California Electrical Code 57 29 Exhibit 5 Subpoena to Testify at a 83 20 Deposition in a Civil Action 11 Exhibit 6 March 10, 2016 email to Michael 85 21 Nearman from Pamela Maeda 13 Exhibit 7 State of California Standard 107 21 Exhibit 8 August 1, 2016 email to DGS 132 21 Commission. 10:05 22 Exhibit 9 NCB Coordination Sheet, 141 23 Exhibit 10 California Electrical Code 150 24 Agreement Between and Among BNi 21 Publications, Inc., Department 22 of General Services Procurement 23 Division For California Building 24 A. Good morning. 10:05 21 Standards Commission And The National Fire Protection 22 BY MR. NERCESSIAN: Yes. I'm Armen Nercessian 10:04 23 interested. 10:04 24 Before the reporter swears the witness, 10:04 25 would counsel please identify themselves. 10:04 4 MR. NERCESSIAN: Yes. I'm Armen Nercessian 10:04 4 MR. BRIDGES: Andrew Bridges of 10:04 5 Fenwick & West also representing Defendant 10:04 4 MR. BRIDGES: Andrew Bridges of 10:04 5 Fenwick & West also representing Public. Resource.Org. 10:04 4 MR. BRIDGES: Andrew Bridges of 10:04 5 Fenwick & West also representing bublic. Resource.Org. 10:04 6 MR. YEN: Jerry Yen with the California 10:05 8 and the California Building Standards Commission. 10:05 9 MS. BARBU: Viana Barbu with the Department 10:05 10 of General Services Legal Division representing Mia 10:05 11 Marvelli as Executive Director of Building Standards 10:05 12 Commission. 10:05 13 MS. MILLER-ZIEGLER: And Rose Ehler, also from 10:05 14 with Munger, Tolles & Olson, and on behalf of the Na			
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5 Q. Have you ever been involved in any lawsuits 10:05 6 before? 10:06 7 A. Yes. 10:06 8 Q. What was your involvement in previous 10:06 9 lawsuits? 10:06 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 10 A. Yes. 10:06 11 a nswers that you previously provided is not 10 completely correct, just let me know, and we'll 7 address it; okay? 10:07 9 Q. And if you need a break at any time over the 10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense? 10:08 13 A. Yes. 10:08 14 Q. Have you spoken with anyone about your 15 testimony today? 10:08 15 testimony today? 10:08 16 A. No. Just my representation. 10:08 17 Q. Have you been asked to limit your testimony 18 today in any way? 10:08 19 Q. So I'll lay out a few preliminaries of how 10:06	0:07 10:07 10:07 10:07 10:08
3 had your deposition taken before?  4 A. No.  10:05  4 Q. If you come to realize that any of your  10:05  5 Q. Have you ever been involved in any lawsuits  10:05  6 before?  10:06  7 A. Yes.  10:06  8 Q. What was your involvement in previous  10:06  10 A. Respondent.  10:06  11 Q. In your capacity as a representative of the  10:2 State?  10:06  12 State?  10:06  13 A. Yes.  10:06  14 Q. Did you furnish any testimony in any of  10:06  14 Q. Did you furnish any live testimony?  10:06  10 A. A declaration.  10:06  11 A. No.  10:06  12 O. Did you furnish any live testimony?  10:06  10 A. No.  10:06  11 Q. Have you been asked to limit your testimony  10:08  11 A. No.  10:08  12 O. Have you been asked to limit your testimony  10:08  11 A. No.  10:08  12 O. Have you been asked to limit your testimony  10:08  11 A. No.  10:08  12 O. Have you been asked to limit your testimony  13 A. Yes.  10:07  24 Q. If you come to realize that any of your  10:06  10 completely correct, just let me know, and we'll  25 answers that you previously provided is not  10:07  26 completely correct, just let me know, and we'll  27 address it; okay?  10:07  28 A. Yes.  10:07  29 Q. And if you need a break at any time over the  10 course of the day, just let me know, and if there is  11 a question pending, we can give you the break. Doe  12 that make sense?  10:08  13 A. Yes.  10:08  14 Q. Have you spoken with anyone about your  15 testimony today?  10:08  16 A. No. Just my representation.  10:08  17 Q. Have you been asked to limit your testimony  18 A. No.  10:08  19 Q. So I'll lay out a few preliminaries of how  10:06  10 A. No.  10:08	10:07 10:07 10:07 10:08 es 10:09
4 A. No. 10:05 5 Q. Have you ever been involved in any lawsuits 10:05 6 before? 10:06 7 A. Yes. 10:06 8 Q. What was your involvement in previous 10:06 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 10 A. No. 10:06 11 Q. Have you come to realize that any of your 10 5 answers that you previously provided is not 10 completely correct, just let me know, and we'll 7 address it; okay? 10:07 9 Q. And if you need a break at any time over the 10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense? 10:08 11 A. Yes. 10:08 12 that make sense? 10:08 13 A. Yes. 10:08 14 Q. Have you spoken with anyone about your 15 testimony today? 10:08 15 testimony today? 10:08 16 A. No. Just my representation. 10:08 17 Q. Have you been asked to limit your testimony 18 today in any way? 10:08	10:07 10:07 10:07 10:08 es 10:09
5 Q. Have you ever been involved in any lawsuits 10:05 6 before? 10:06 7 A. Yes. 10:06 8 Q. What was your involvement in previous 10:06 9 lawsuits? 10:06 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 10 A. Yes. 10:06 11 a number of completely correct, just let me know, and we'll of completely correct, just let me know, and if there is 10 course of the day, just let me know, and if use of completely correct, just let me know, and if use of completely concerns to the day, just let me know, and if use of completely concerns to a supple supple supple supple supple supple supple	10:07 10:07 10:07 10:08 es 10:09
6 before? 10:06 7 A. Yes. 10:06 8 Q. What was your involvement in previous 10:06 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 11 Q. Did you furnish any live testimony? 10:06 11 Q. Didyou furnish any live testimony? 10:06 11 Q. Have you been asked to limit your testimony in any way? 10:08 11 A. No. 10:08 12 that make sense? 10:08 13 A. Yes. 10:08 14 Q. Have you been asked to limit your testimony 15 testimony today? 10:08 16 A. No. 10:08 17 Q. Have you been asked to limit your testimony 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 10 completely correct, just let me know, and we'll 7 address it; okay? 10:07  8 A. Yes. 10:07  9 Q. And if you need a break at any time over the 10 course of the day, just let me know, and we'll 7 address it; okay? 10:07  9 Q. And if you need a break at any time over the 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and we'll 10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break at any time over the 10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break at any time over the 10 course of the day, just let me know, and if there is 11 a question pending, we can give you head a break at any time over the 10 course of the day, just let me know, and if there is 11 a question pending, we can give you head a break at an	10:07 10:07 10:08 es 10:08
7 A. Yes. 10:06 8 Q. What was your involvement in previous 10:06 9 lawsuits? 10:06 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 10 Course of the day, just let me know, and if there is 10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense? 10:08 11 A. Yes. 10:08 12 that make sense? 10:08 13 A. Yes. 10:08 14 Q. Have you spoken with anyone about your 15 testimony today? 10:08 15 testimony today? 10:08 16 A. No. Just my representation. 10:08 17 Q. Have you been asked to limit your testimony 18 today in any way? 10:08 18 today in any way? 10:08	10:07 10:08 es 10:0
8 Q. What was your involvement in previous 9 lawsuits? 10:06 9 Q. And if you need a break at any time over the 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 17 Q. Did you furnish any live testimony? 10:06 18 today in any way? 10:08 19 Q. So I'll lay out a few preliminaries of how 10:06 19 A. No. 10:08	10:08 es 10:09
9 Q. And if you need a break at any time over the 10 A. Respondent. 10:06 11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. And if you need a break at any time over the 10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense? 10:08 14 Q. Have you spoken with anyone about your 15 those matters? 10:06 15 testimony today? 10:08 16 A. No. Just my representation. 10:08 17 Q. Have you been asked to limit your testimony 18 today in any way? 10:08 19 Q. So I'll lay out a few preliminaries of how 10:06 19 A. No. 10:08	10:08 es 10:09
10 A. Respondent.  11 Q. In your capacity as a representative of the 10:06  12 State?  10:06  13 A. Yes.  10:06  14 Q. Did you furnish any testimony in any of 10:06  15 those matters?  10:06  10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense?  10:08  13 A. Yes.  10:08  14 Q. Have you spoken with anyone about your 15 those matters?  10:08  16 A. A declaration.  10:08  17 Q. Did you furnish any live testimony?  10:06  18 A. No.  10:08  10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense?  10:08  13 A. Yes.  10:08  14 Q. Have you spoken with anyone about your 15 testimony today?  10:08  16 A. No. Just my representation.  10:08  17 Q. Have you been asked to limit your testimony 18 today in any way?  10:08  10 course of the day, just let me know, and if there is 11 a question pending, we can give you the break. Doe 12 that make sense?  10:08  13 A. Yes.  10:08  14 Q. Have you spoken with anyone about your 15 testimony today?  10:08  16 A. No. Just my representation.  10:08  17 Q. Have you been asked to limit your testimony 18 today in any way?  10:08	10:08 es 10:09
11 Q. In your capacity as a representative of the 10:06 12 State? 10:06 13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06  11 a question pending, we can give you the break. Doe 12 that make sense? 10:08 12 that make sense? 10:08 13 A. Yes. 10:08 14 Q. Have you spoken with anyone about your 15 testimony today? 10:08 16 A. No. Just my representation. 10:08 17 Q. Have you been asked to limit your testimony 18 today in any way? 10:08 19 A. No. 10:08	es 10:0
12 State?       10:06       12 that make sense?       10:08         13 A. Yes.       10:06       13 A. Yes.       10:08         14 Q. Did you furnish any testimony in any of those matters?       10:06       14 Q. Have you spoken with anyone about your         15 those matters?       10:06       15 testimony today?       10:08         16 A. A declaration.       10:06       16 A. No. Just my representation.       10:08         17 Q. Did you furnish any live testimony?       10:06       17 Q. Have you been asked to limit your testimony         18 today in any way?       10:08         19 Q. So I'll lay out a few preliminaries of how       10:06       19 A. No.       10:08	
13 A. Yes. 10:06 14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 18 A. No. 10:06 19 Q. So I'll lay out a few preliminaries of how 10:06 10:08 113 A. Yes. 10:08 12 Q. Have you spoken with anyone about your 15 testimony today? 10:08 13 A. Yes. 10:08 14 Q. Have you spoken with anyone about your 15 testimony today? 10:08 16 A. No. Just my representation. 10:08 17 Q. Have you been asked to limit your testimony 18 today in any way? 10:08 19 A. No. 10:08	10:08
14 Q. Did you furnish any testimony in any of 10:06 15 those matters? 10:06 16 A. A declaration. 10:06 17 Q. Did you furnish any live testimony? 10:06 11 Q. Did you furnish any live testimony? 10:06 11 A. No. 10:06 12 Q. Have you spoken with anyone about your 15 testimony today? 10:08 11 A. No. Just my representation. 10:08 12 Q. Have you been asked to limit your testimony 18 today in any way? 10:08 13 today in any way? 10:08	10:08
15 those matters? 10:06 15 testimony today? 10:08 16 A. A declaration. 10:06 16 A. No. Just my representation. 10:08 17 Q. Did you furnish any live testimony? 10:06 17 Q. Have you been asked to limit your testimony 18 A. No. 10:06 18 today in any way? 10:08 19 Q. So I'll lay out a few preliminaries of how 10:06 19 A. No. 10:08	10:08
16A. A declaration.10:0616A. No. Just my representation.10:0817Q. Did you furnish any live testimony?10:0617Q. Have you been asked to limit your testimony18A. No.10:0618 today in any way?10:0819Q. So I'll lay out a few preliminaries of how10:0619A. No.10:08	
17 Q. Did you furnish any live testimony? 10:06 17 Q. Have you been asked to limit your testimony 18 A. No. 10:06 18 today in any way? 10:08 19 Q. So I'll lay out a few preliminaries of how 10:06 19 A. No. 10:08	
18       A. No.       10:06       18 today in any way?       10:08         19       Q. So I'll lay out a few preliminaries of how 10:06       19       A. No.       10:08	
19 Q. So I'll lay out a few preliminaries of how 10:06 19 A. No. 10:08	10:08
20 today is going to go: I will ask you a series of 10:06 20 Q. Is there any reason you would not be able to	10:08
21 questions. Do you understand that you are giving 10:06 21 give complete and accurate answers to my questions	s 10:0
22 testimony under oath today? 10:06 22 today? 10:08	
23 A. Yes. 10:06 23 A. No. 10:08	
	0:08
25 A. Yes. 10:06 25 deposition? 10:08	
Page 10	Page 12
1 Q. Do you understand that the court reporter is 10:06 1 A. Read the documents that were provided me.	10:08
2 taking down everything you say? 10:06 2 Q. Did you review any other documents?	10:08
3 A. Yes. 10:06 3 A. No. 10:08	
4 Q. Because to establish a record, do you 10:06 4 Q. Did you conduct any research on your own	10:08
5 understand that we need only audible responses such $10:065$ into the case? $10:08$	
6 as a verbal "yes" or "no"? 10:06 6 A. No. 10:08	
7 A. Yes. 10:07 7 Q. Did you conduct any research on your own	10:08
	0:08
9 question, will you please let me know? And I will 10:07 9 A. No. 10:08	
10 try to rephrase. 10:07 In Q. Did you have any conversations to prepare	10:08
	0:09
12 Q. If you answer my question without asking for 10:07 12 representation? 10:09	
13 clarification, I'm going to take it to mean that you 10:07   13 A. No. 10:09	
14 understood it. Is that understood? 10:07 14 Q. Are you currently employed? 10:0	)9
15 A. Yes. 10:07 15 A. Yes. 10:09	
	0:09
17 what everyone says, let's not try to talk let's 10:07   17 A. Executive Director of the Building Standards	10:09
18 try not to talk over one another. So if I'm asking a 10:07 18 Commission. 10:09	
	):09
20 answer. Do you understand? 10:07 20 Commission? 10:09	
21 A. Yes. 10:07 21 A. It's a state commission that administers the 1	4 10:09
21 A. Yes. 10:07 21 A. It's a state commission that administers the 1 22 Q. Likewise, if I start to ask you a question 10:07 22 California Building Standards process, and there's 1	
21 A. Yes. 10:07 21 A. It's a state commission that administers the 1 22 Q. Likewise, if I start to ask you a question 10:07 22 California Building Standards process, and there's 1 23 and you weren't allowed to finish, please tell me, 10:07 23 staff, and there's ten commissioners that we support	. 10:09
21 A. Yes. 10:07 22 Q. Likewise, if I start to ask you a question 10:07 23 and you weren't allowed to finish, please tell me, 10:07 24 and I'll allow you to finish. If I go on to another 10:07 21 A. It's a state commission that administers the 1 22 California Building Standards process, and there's 1 23 staff, and there's ten commissioners that we support. 24 Q. Okay. And when you say you administer the	. 10:09 10:09
21 A. Yes. 10:07 22 Q. Likewise, if I start to ask you a question 10:07 23 and you weren't allowed to finish, please tell me, 10:07 24 and I'll allow you to finish. If I go on to another 10:07 25 question and you don't say you need more time, I'll 10:07 26 question and you don't say you need more time, I'll 10:07 27 Q. Likewise, if I start to ask you a question 10:07 28 california Building Standards process, and there's 1 29 question and there's ten commissioners that we support. 20 Q. Okay. And when you say you administer the 20 process, what does that process entail? 10:07	. 10:09 10:09

4 (Pages 10 - 13)

1 A. We utilize the California Building Standards 10:09	1 MS. MILLER-ZIEGLER: Objection to form. 10:12
2 law, which is found in the Health and Safety Code, 10:09	2 THE WITNESS: So they're appointed by the 10:12
3 and we also use the Administrative Procedures Act, 10:09	3 governor. 10:12
4 which is in the Government Code, to administer the 10:09	4 (Discussion off the record) 10:12
5 rulemaking process for it's also known as 10:09	5 MS. MILLER-ZIEGLER: Objection to form. 10:12
6 Title 24. 10:10	6 I'll be objecting sometimes throughout the 10:12
7 Q. Title 24. Does Title 24 go by any other 10:10	7 questioning. If you could just pause before 10:12
8 names? 10:10	8 answering so that I can have a chance to object. 10:12
9 A. California Building Standards Code. 10:10	9 THE WITNESS: Certainly. 10:12
10 Q. And it's Title 24. What law is the Title 24 10:10	10 MS. MILLER-ZIEGLER: Thank you. 10:12
11 of? 10:10	11 MR. NERCESSIAN: I can rephrase. 10:12
12 A. It's the 24th title in 28 regulations for 10:10	12 BY MR. NERCESSIAN: 10:12
13 California known as the California Code of 10:10	13 Q. So what role do these commissioners play? 10:12
14 Regulations, is the whole 28 titles. 10:10	14 A. They're appointed by the governor, and they 10:12
15 Q. And when you say you're responsible for 10:10	15 make up the different requirements that is in 10:12
16 administering the process, what stages does that 10:10	16 building standards law. There's ten different types 10:12
17 process entail? 10:10	17 of commissioners that are required to be appointed by 10:12
18 A. We receive rulemaking documents from various 10:10	18 the governor. For example, one represents building 10:13
19 State agencies, and we conduct public hearings and 10:10	19 officials. 10:13
20 meetings, public comment periods, and then ultimately 10:10	20 Q. Are there any that represent officials that 10:13
21 commission reviews and approves I shouldn't say 10:10	21 administer electrical systems? 10:13
22 approve. Takes action on those rulemakings. 10:10	22 A. I'm not sure what you mean. 10:13
23 Q. How does it take action on those 10:10	23 Q. I can strike that. 10:13
24 rulemakings? 10:11	24 Can you provide another example of a type of 10:13
25 A. They either approve, disapprove, further 10:11	25 commissioner that is appointed by the governor that 10:13
Page 14	Page 16
1 study or sorry. There's four actions they can 10:11	1 you interface with? 10:13
2 take. 10:11	2 A. Sure. Another representative is from the 10:13
3 Q. And it's approve, disapprove, further study 10:11	3 construction industry, so they're a licensed 10:13
4 and 10:11	4 contractor. 10:13
5 A. Or approve as amend. Sorry. I apologize 10:11	5 Q. Okay. So and that's still a role 10:13
6 for talking over you. 10:11	6 appointed by the governor? 10:13
7 Q. Oh. No worries. So the four actions are 10:11	7 A. Correct. 10:13
8 approve, amend, disapprove, further action? 10:11	8 Q. What authority does the governor make these 10:13
9 A. Approve, approve as amend, further study or 10:11	9 appointments under? 10:14
10 disapprove. 10:11	10 A. California Building Standards law, which is 10:14
11 Q. Okay. Oh. I understand. Thank you. 10:11	11 found in Health and Safety Code, and I don't know the 10:14
12 A. Uh-huh. 10:11	12 exact section number. 10:14
13 Q. And you say you interface with ten 10:11	13 Q. Okay. You referred earlier to rulemaking 10:14
14 commissioners? 10:11	14 materials that you provide to these commissioners. 10:14
15 A. Uh-huh. 10:11	15 What do those rulemaking materials consist of? 10:14
16 Q. What's the nature of those interactions? 10:11	16 A. Express Terms, Initial Statement of Reasons. 10:14
17 A. Our office supplies them the rulemaking 10:11	17 That's all I can think of right now. 10:14
18 materials so they can make a determination on the 10:12	18 Q. Okay. So what are Express Terms? 10:14
19 rulemakings that they're provided. 10:12	19 A. They're the code language and strikeout and 10:14
20 Q. And who are these commissioners? 10:12	20 underline format so that the people can see and the 10:14
21 A. Do I need to name them all, or how 10:12	21 commissioners can see what is being proposed by a 10:14
22 Q. Functionally, who are they? Are they 10:12	22 State agency. 10:14
23 commissioners of different State agencies, or are 10:12	23 Q. And what do the commissioners do with those 10:14
24 they all commissioners of one agency and an agency 10:1	224 Express Terms? 10:15
25 that has multiple commissioners? 10:12 Page 15	25 A. Review them for their technical merit. 10:15 Page 17

1		
3 A. The four that I spoke of carlier.   10:15   10:	1 Q. And what action do they take with respect to 10:15	1 Code. We conduct the public merit meetings, and the 10:18
4	2 those Express Terms? 10:15	2 staff reviews the materials and assembles them for 10:18
4	3 A. The four that I spoke of earlier. 10:15	3 the public meetings that we conduct. 10:18
5   From the case of comment with the public?   10:15   6   A. They're presented at a public meeting, so   10:15   7   C. Since roughly February 2016   10:18   10:1	_	
6 A. They're presented at a public meeting, so 7 there's an opportunity at that time for the public to 7 there's an opportunity at that time for the public to 8 Comment. 10:15 9 Q. And do each of these ten commissioners 10:15 11 they've been provided with? 10:15 12 A. No. 10:15 13 Q. Is it just one public hearing that all the 10:15 14 commissioners participate in? 10:15 15 A. Yes. 10:15 16 Q. You also referred to Initial Statement of 10:15 17 Reasons. 10:15 18 A. Uh-huh. 10:15 19 Q. And what is that? 10:15 20 Q. And what is that? 10:15 21 Q. What were those roles? 10:18 14 associate architect, and I was employed with them 10:18 15 A. Yes. 10:15 16 Q. You also referred to Initial Statement of 10:15 17 Reasons. 10:15 18 A. Uh-huh. 10:15 29 Q. And what is that? 10:16 20 Q. And what is that? 10:16 21 Government Code specific to the Administrative 22 Procedures Act that discusses the rationale, the 23 purpose and the reason for a code change, and then 10:16 24 there's a variety of other statements that that labout 10:16 25 the benefit to the State, cost to the State, and 10:16 26 Q. Oraby. So the Building Standards Commission 10:16 27 A. Correct. 10:16 28 Q. What were those roles? 10:19 10 General Statements provided with the state, and the public comment plane. 10:19 29 Procedures a variety of other statements that that labout 10:16 21 Q. What were those roles? 10:19 22 Q. What was an architectural associate and an 10:18 24 there's a variety of other statements that all about 10:16 25 the benefit to the State, cost to the State, and 10:16 26 Q. Oraby and the reason for a code change, and then 10:16 27 Q. And what it is that? 10:19 28 without looking at the document. 10:16 29 Without looking at the document. 10:16 20 Q. Oraby and the case of the State, and 10:19 20 Q. Oraby and the free state of the State, and 10:19 21 Q. What were those roles? 10:19 22 Q. What were those roles? 10:19 23 Q. Oldy your role change at all after the 10:19 24 architect and an architectural associate. 10:19 25 promotion? 10:19 26 Q. Or t		
7	-	
8 comment		
9 Q. And do each of these ten commissioners   10:15   10 conduct separate hearings on the Express Terms that   10:15   10 BSC?   10:18   1 A. Yes.   10:18   1 A. Ye		
10   conduct separate hearings on the Express Terms that 10:15   10   BSC?   10:18   11   they've been provided with?   10:15   12   A. No.   10:15   13   A. I was an architectural associate and an   10:18   14   commissioners participate in?   10:15   13   A. I was an architectural associate and an   10:18   10:18   15   A. Yes.   10:15   13   A. I was an architectural associate and an   10:18   10:18   10:15   14   associate architect, and I was employed with them   10:18   10:		
11   11   12   13   14   15   15   15   16   16   16   16   16		
12   A. No.   10:15		
13   A. I was an architectural associate and an   10:18		
14 commissioners participate in? 10:15 15 A. Yes. 10:15 2 A. Vis surface and the state of 10:15 3 Q. Orange and the reason for a code change, and then 10:16 24 there's a variety of other statements that talk about 10:16 25 the benefit to the State, cost to the State, and 10:16 3 Q. Orange and the reason for a code change, and then 10:16 4 is also known as the CBSC; correct? 10:16 5 A. Yes. 10:16 6 Q. Or the BSC? 10:16 7 A. Correct. 10:16 8 Q. What's the relationship between the Building 10:16 9 Standards Commission and the California Department of 10:16 10 General Services? 10:19 11 A. We are a commission within DGS. 10:16 11 A. No. 10:17 12 BY MR. NERCESSIAN: 10:17 13 BY MR. NERCESSIAN: 10:17 15 BY Q. Do any other State agencies play a role in the 10:17 16 Q. Do any State agencies play a role in the 10:17 17 BY MR. NERCESSIAN: 10:17 18 Q. Do any State agencies play a role in the 10:17 19 process of administering Title 24? 10:17 19 quesces is followed, specifically that meeting 10:17 20 A. No. overse staff and the budget, ensure that 10:17 21 Gircher of BCS? BSC? 10:16 22 Q. Obes of BCS play any independent role in this 10:17 23 A. Oversee staff and the budget, ensure that 10:17 24 the process is followed, specifically that meeting 10:17 25 go notices are supplied according to the Government 10:17 26 A. No. 0:10:17 27 BY MR. NERCESSIAN: 10:17 28 Q. Do any Other State agencies play a role in the 10:17 29 Grove a supplied according to the Government 10:17 20 A. No. 0:10:17 21 Guille and the public somment plase. 10:19 22 architect? 10:16 23 A. Reviewed rulemaking documents, prepared them 10:18 24 the recise a variety of other statements that talk about 10:16 25 question and the reason for a code change, and then 10:16 25 question and the reason for a code change, and then 10:16 26 question and the reason for a code change, and then 10:16 27 A. Correct. 10:16 28 Q. Drabage and the reason for a code change, and then 10:17 29 Q. Do any other State agencies play a role? 10:17 20 Q. Do any other State agencies play a		
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14 A. No. 10:17 15 Q. Do any other State agencies play a role? 10:17 16 MS. MILLER-ZIEGLER: Objection as vague. 10:17 17 BY MR. NERCESSIAN: 10:17 18 Q. Do any State agencies play a role in the 10:17 19 process of administering Title 24? 10:17 19 process of administering Title 24? 10:17 20 A. No. 10:17 21 Q. What are your responsibilities as executive 10:17 22 director of BCS BSC? 10:17 23 A. Oversee staff and the budget, ensure that 10:17 24 the process is followed, specifically that meeting 10:17 25 notices are supplied according to the Government 10:17 26 MR. NERCESSIAN: I can rephrase. 10:20 16 BY MR. NERCESSIAN: 10:20 17 Q. In that role as an architectural associate 10:20 18 and associate architect, did you play any role in 10:20 19 administering the processes related to the adoption 10:20 20 of the California Building Codes? 10:20 21 A. Yes. 10:20 22 Q. What was that involvement? 10:20 23 A. Reviewed documents from State agencies, 10:20 24 prepared meeting materials so that they could be 10:20 25 notices are supplied according to the Government 10:17 26 Do any State agencies play a role in the 10:17 27 Q. In that role as an architectural associate 10:20 28 and associate architect, did you play any role in 10:20 29 of the California Building Codes? 10:20 20 of the California Building Codes? 10:20 21 A. Yes. 10:20 22 Q. What was that involvement? 10:20 23 A. Reviewed documents from State agencies, 10:20 24 prepared meeting materials so that they could be 10:20		
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20 A. No. 10:17 21 Q. What are your responsibilities as executive 10:17 22 director of BCS BSC? 10:17 23 A. Oversee staff and the budget, ensure that 10:17 24 the process is followed, specifically that meeting 10:17 25 notices are supplied according to the Government 10:17 20 of the California Building Codes? 10:20 21 A. Yes. 10:20 22 Q. What was that involvement? 10:20 23 A. Reviewed documents from State agencies, 10:20 24 prepared meeting materials so that they could be 10:20 25 publicly viewed. 10:20	18 Q. Do any State agencies play a role in the 10:17	18 and associate architect, did you play any role in 10:20
21 Q. What are your responsibilities as executive 10:17 21 A. Yes. 10:20 22 director of BCS BSC? 10:17 22 Q. What was that involvement? 10:20 23 A. Oversee staff and the budget, ensure that 10:17 23 A. Reviewed documents from State agencies, 10:20 24 the process is followed, specifically that meeting 10:17 24 prepared meeting materials so that they could be 10:20 25 notices are supplied according to the Government 10:17 25 publicly viewed. 10:20	19 process of administering Title 24? 10:17	19 administering the processes related to the adoption 10:20
22 director of BCS BSC? 10:17 23 A. Oversee staff and the budget, ensure that 10:17 24 the process is followed, specifically that meeting 10:17 25 notices are supplied according to the Government 10:17 26 What was that involvement? 10:20 27 A. Reviewed documents from State agencies, 10:20 28 prepared meeting materials so that they could be 10:20 29 publicly viewed. 10:20	20 A. No. 10:17	20 of the California Building Codes? 10:20
23 A. Oversee staff and the budget, ensure that 10:17 23 A. Reviewed documents from State agencies, 10:20 24 the process is followed, specifically that meeting 10:17 24 prepared meeting materials so that they could be 10:20 25 notices are supplied according to the Government 10:17 25 publicly viewed. 10:20	21 Q. What are your responsibilities as executive 10:17	21 A. Yes. 10:20
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25 notices are supplied according to the Government 10:17 25 publicly viewed. 10:20	23 A. Oversee staff and the budget, ensure that 10:17	23 A. Reviewed documents from State agencies, 10:20
25 notices are supplied according to the Government 10:17 25 publicly viewed. 10:20	24 the process is followed, specifically that meeting 10:17	24 prepared meeting materials so that they could be 10:20
	25 notices are supplied according to the Government 10:17	25 publicly viewed. 10:20
		Page 21

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1 Q. And did you play any role in the processes 10:20	1 buildings. 10:23
2 related to the approval of California's Building 10:20	2 Q. And by that, do you mean you developed 10:23
3 Codes? 10:20	3 construction drawings so that they complied with the 10:23
4 A. I'm not sure I understand that question. 10:20	4 California Building Standards Code? 10:23
5 Q. Do you understand there to be any difference 10:20	5 A. Yes. 10:23
6 between the processes related to the adoption of 10:21	6 MS. MILLER-ZIEGLER: Objection to form. 10:23
7 California's Building Codes and their approval? 10:21	7 BY MR. NERCESSIAN: 10:24
8 A. I would just say that the process sets up 10:21	8 Q. Show you a document. We can mark this as 10:24
9 the end game, if you will, for the commission to take 10:21	9 Exhibit 1. 10:24
10 action. 10:21	10 (Exhibit 1 marked) 10:24
11 Q. Okay. And when the building commission 10:21	11 BY MR. NERCESSIAN: 10:24
12 takes action, what is the output of this process? 10:21	12 Q. All right. You've been handed a document 10:24
13 A. If the standard 10:21	13 marked as Exhibit 1. Ms. Marvelli, do you recognize 10:24
14 MS. MILLER-ZIEGLER: Objection to form. 10:21	14 this document? 10:25
15 BY MR. NERCESSIAN: 10:21	15 A. Yes. 10:25
16 Q. You can answer the question. 10:21	16 Q. And what is this document? 10:25
17 A. Okay. Thanks. If the regulations are 10:21	17 A. It's what I was sent a couple weeks ago to 10:25
18 approved by the commission, they're assembled for the 10:21	18 the office. 10:25
19 publisher so the publisher can develop the next 10:21	19 Q. And this is a letter with respect to the 10:25
20 edition of the code. 10:22	20 subpoena for this deposition; correct? 10:25
21 Q. And what's the latest edition of the code? 10:22	21 A. Yes. 10:25
22 A. The current effective code is a 2016 10:22	22 Q. The letter includes as Exhibit A the opinion 10:25
23 edition. 10:22	23 of the U.S. Court of Appeals for the District of 10:25
24 Q. And have the rulemaking processes for 10:22	24 Columbia with respect to this dispute. 10:25
25 revision after the 2016 edition taken place? 10:22	25 MS. MILLER-ZIEGLER: Objection. This hasn't 10:25
Page 22	Page 24
1 A. Yes. 10:22	1 been provided to us in the past. 10:25
2 Q. And what edition of the code do those 10:22	2 MR. NERCESSIAN: Okay. Your objection is 10:25
3 processes relate to? 10:22	3 noted. 10:25
4 A. The 2019 edition. 10:22	4 BY MR. NERCESSIAN: 10:25
5 O And when does that become effective? 10.22	
5 Q. And when does that become effective? 10:22	5 Q. Have you read this opinion? 10:25
6 A. January 1st of 2020. 10:22	5 Q. Have you read this opinion? 10:25 6 A. Not the whole thing. 10:25
6 A. January 1st of 2020. 10:22	6 A. Not the whole thing. 10:25
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23 19 Department of General Services, how did you utilize 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26 19 Q. And so what do you know about the case? 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23 19 Department of General Services, how did you utilize 10:23 20 the California Building Codes? 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26 19 Q. And so what do you know about the case? 10:26 20 A. Just that there's a dispute between the two 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23 19 Department of General Services, how did you utilize 10:23 20 the California Building Codes? 10:23 21 MS. MILLER-ZIEGLER: Objection as outside 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26 19 Q. And so what do you know about the case? 10:26 20 A. Just that there's a dispute between the two 10:26 21 groups. 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23 19 Department of General Services, how did you utilize 10:23 20 the California Building Codes? 10:23 21 MS. MILLER-ZIEGLER: Objection as outside 10:23 22 the scope of the subpoena. 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26 19 Q. And so what do you know about the case? 10:26 20 A. Just that there's a dispute between the two 10:26 21 groups. 10:26 22 Q. Have you had any discussions about this case 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23 19 Department of General Services, how did you utilize 10:23 20 the California Building Codes? 10:23 21 MS. MILLER-ZIEGLER: Objection as outside 10:23 22 the scope of the subpoena. 10:23 23 BY MR. NERCESSIAN: 10:23 24 Q. You can answer the question. 10:23 25 A. For the design and construction of state 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26 19 Q. And so what do you know about the case? 10:26 20 A. Just that there's a dispute between the two 10:26 21 groups. 10:26 22 Q. Have you had any discussions about this case 10:26 23 at any point? 10:26
6 A. January 1st of 2020. 10:22 7 Q. Before you were employed by the California 10:22 8 Building Standards Commission, did you have any 10:22 9 experience with the California Building Codes in 10:22 10 previous roles? 10:23 11 A. Yes. 10:23 12 Q. What was that involvement? 10:23 13 A. Utilizing them for the design of state 10:23 14 buildings. 10:23 15 Q. And what position did you utilize them in? 10:23 16 A. I was an architectural associate for the 10:23 17 Department of General Services. 10:23 18 Q. And as an architectural associate at the 10:23 19 Department of General Services, how did you utilize 10:23 20 the California Building Codes? 10:23 21 MS. MILLER-ZIEGLER: Objection as outside 10:23 22 the scope of the subpoena. 10:23 23 BY MR. NERCESSIAN: 10:23 24 Q. You can answer the question. 10:23	6 A. Not the whole thing. 10:25 7 Q. When did you read this opinion? 10:25 8 A. I read part of it when I first received it. 10:26 9 Q. Were you aware of this opinion at any point 10:26 10 before you received this letter? 10:26 11 A. No. 10:26 12 Q. Do you have any knowledge of the dispute 10:26 13 between Public.Resource and the plaintiffs in this 10:26 14 lawsuit? 10:26 15 A. I have some knowledge. 10:26 16 Q. And what is that knowledge? 10:26 17 A. Just information that is on the Internet 10:26 18 about this particular 10:26 19 Q. And so what do you know about the case? 10:26 20 A. Just that there's a dispute between the two 10:26 21 groups. 10:26 22 Q. Have you had any discussions about this case 10:26 23 at any point? 10:26 24 A. No. 10:26

1 copyright protection there is and standards that are 10:26	1 Q. What do you understand the difference to be? 10:29
2 incorporated into other law. Are you familiar with 10:26	2 A. Well, there's the reference standards, which 10:29
3 standards that standard development organizations put 10:26	3 are very detail-oriented, and then there is the code 10:30
4 out? 10:27	4 developers where the reference standards are referred 10:30
5 MR. FEE: Objection to form. 10:27	5 to. 10:30
6 BY MR. NERCESSIAN: 10:27	6 Q. So do you have any familiarity with 10:30
7 Q. Have you had any involvement with standards 10:27	7 reference standards from your employment at the 10:30
8 in over the course of your employment at the 10:27	8 Building Standards Commission? 10:30
9 Building Standards Commission? 10:27	9 A. I have familiarity. 10:30
10 A. I'm sorry, I'm not following that question. 10:27	10 Q. And what's that experience with the 10:30
11 Q. In your role at the Building Standards 10:27	11 reference standards that you have? 10:30
12 Commission, have you interacted with any industry 10:27	12 A. That they're referenced in the model codes 10:30
13 standards? 10:27	13 that California is required to adopt. 10:30
14 MS. MILLER-ZIEGLER: Objection to form. 10:27	14 Q. And why is California required to adopt 10:30
15 BY MR. NERCESSIAN: 10:27	15 those model codes? 10:30
16 Q. You can answer the question. 10:27	16 A. That's part of our building standards law. 10:30
17 A. I don't know what you mean by "interacted." 10:27	17 Q. What does the Building Standards Commission 10:30
18 Q. Have you taken any actions with have you 10:27	18 do with those reference codes? 10:30
19 reviewed any industry standards in your role? 10:27	19 MS. MILLER-ZIEGLER: Objection to form. 10:30
20 MR. FEE: Objection to form. 10:27	20 BY MR. NERCESSIAN: 10:31
21 THE WITNESS: I guess I don't know what you 10:27	21 Q. What I can rephrase. 10:31
22 mean by "reviewed." 10:27	22 A. Okay. 10:31
23 BY MR. NERCESSIAN: 10:27	23 Q. What actions does the Building Standards 10:31
24 Q. Have you read any industry standards in your 10:27	24 Commission take, if any, with respect to those 10:31
25 role at the Building Standards Commission? 10:28	25 reference codes? 10:31
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1 MR. FEE: Objection to form. 10:28	1 A. They take the same action that they do with 10:31
1 MR. FEE: Objection to form. 10:28 2 BY MR. NERCESSIAN: 10:28	1 A. They take the same action that they do with 10:31 2 the model codes, the four we spoke of earlier. 10:31
2 BY MR. NERCESSIAN: 10:28	2 the model codes, the four we spoke of earlier. 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28 13 MR. FEE: Objection to form. 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32 13 nine-point criteria that they need to take a 10:32
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28 13 MR. FEE: Objection to form. 10:28 14 THE WITNESS: I suppose I have, but I 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32 13 nine-point criteria that they need to take a 10:32 14 different action, then approve. 10:32
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28 13 MR. FEE: Objection to form. 10:28 14 THE WITNESS: I suppose I have, but I 10:28 15 couldn't tell you specifics on what that would be. 10:28	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32 13 nine-point criteria that they need to take a 10:32 14 different action, then approve. 10:32 15 Q. What is this nine-point criteria you're 10:32
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2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28 13 MR. FEE: Objection to form. 10:28 14 THE WITNESS: I suppose I have, but I 10:28 15 couldn't tell you specifics on what that would be. 10:28 16 BY MR. NERCESSIAN: 10:28 17 Q. Have you had any interactions with standard 10:29	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32 13 nine-point criteria that they need to take a 10:32 14 different action, then approve. 10:32 15 Q. What is this nine-point criteria you're 10:32 16 referring to? 10:32 17 A. It's the basis in which the State agencies 10:32
2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28 13 MR. FEE: Objection to form. 10:28 14 THE WITNESS: I suppose I have, but I 10:28 15 couldn't tell you specifics on what that would be. 10:28 16 BY MR. NERCESSIAN: 10:28 17 Q. Have you had any interactions with standard 10:29 18 development organizations over the course of your 10:29	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32 13 nine-point criteria that they need to take a 10:32 14 different action, then approve. 10:32 15 Q. What is this nine-point criteria you're 10:32 16 referring to? 10:32 17 A. It's the basis in which the State agencies 10:32 18 state that they're the building standards may be 10:32
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2 BY MR. NERCESSIAN: 10:28 3 Q. You can answer. 10:28 4 A. I'm not following that. 10:28 5 Q. So what is it about my question that you 10:28 6 don't understand? I can rephrase. 10:28 7 A. I guess I'm trying to understand if it's 10:28 8 specific about a certain standard or just the 10:28 9 standards in general. 10:28 10 Q. Just standards in general. Have you ever 10:28 11 reviewed any industry standards over the course of 10:28 12 your employment at the Building Standards Commission? 10:28 13 MR. FEE: Objection to form. 10:28 14 THE WITNESS: I suppose I have, but I 10:28 15 couldn't tell you specifics on what that would be. 10:28 16 BY MR. NERCESSIAN: 10:28 17 Q. Have you had any interactions with standard 10:29 18 development organizations over the course of your 10:29 19 employment at the Building Standards Commission? 10:29 20 A. Can you repeat the question? I'm sorry. 10:29	2 the model codes, the four we spoke of earlier. 10:31 3 Q. Okay. So then I'd like to discuss one of 10:31 4 those four actions, approve as amended. 10:31 5 A. Okay. 10:31 6 Q. When the Building Standards Commission 10:31 7 approves as amend a reference code, what does that 10:31 8 mean? 10:31 9 A. They may be approving a change from what was 10:31 10 proposed. 10:32 11 Q. And why might it take those actions? 10:32 12 A. There could be a reason based on the 10:32 13 nine-point criteria that they need to take a 10:32 14 different action, then approve. 10:32 15 Q. What is this nine-point criteria you're 10:32 16 referring to? 10:32 17 A. It's the basis in which the State agencies 10:32 18 state that they're the building standards may be 10:32 19 approved, and it's in 18930, I believe, of the Health 10:32 20 and Safety Code. 10:32
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1 or as determined by the State Fire Marshal. I can't 10:33	1 BY MR. NERCESSIAN: 10:36
2 think of them all at the moment. 10:33	2 Q. In what cases? 10:36
Q. And if one of these criteria is met, then 10:33	3 MR. FEE: Objection to form. 10:36
4 the California Building Standards Commission may 10:33	4 THE WITNESS: That's too broad of a 10:36
5 recommend amending a reference standard in its 10:33	5 question. I don't 10:36
6 adoption; is that correct? 10:33	6 BY MR. NERCESSIAN: 10:36
7 A. If one of the criteria is not met, yes. 10:33	7 Q. In what cases would a person not have to 10:36
8 Q. If one of the criteria is not met? 10:33	8 refer to separate reference standard? 10:36
9 A. Yeah. 10:33	9 MR. FEE: Objection to form. 10:36
10 Q. What happens if all of the criteria are met? 10:33	10 MR. YEN: You can answer 10:36
11 A. I didn't hear you. 10:33	11 THE WITNESS: Okay. 10:36
12 Q. What happens if all of the criteria are met? 10:33	MR. YEN: if you understand the question. 10:36
13 A. Generally the commission approves the 10:34	13 THE WITNESS: There's instances where part 10:36
14 package. 10:34	14 of the reference standard is in reprinted or in 10:37
15 Q. And where the commission chooses to amend a 10:34	15 the code, but I couldn't give you specifics. 10:37
16 reference standard in its adoption, how does the 10:34	16 BY MR. NERCESSIAN: 10:37
17 commission accomplish that incorporation? 10:34	17 Q. When you say that there are instances that 10:37
18 MR. FEE: Objection. Form. 10:34	18 parts of a reference standard are reprinted within 10:37
19 MS. MILLER-ZIEGLER: Objection to form. 10:34	19 the code, do you mean that they appear within the 10:37 20 body of the California code as printed? 10:37
20 BY MR. NERCESSIAN: 10:34	1
Q. Do you understand the question? 10:34	21 MS. MILLER-ZIEGLER: Objection as leading. 10:37 22 BY MR. NERCESSIAN: 10:37
22 A. No. 10:34	
23 Q. Does the commission incorporate by reference 10:34 24 any reference standards? 10:34	
25 A. Yes. 10:34	
Page 30	25 to be able to give you that answer. 10:37 Page 32
1 Q. What does that mean? What strike that. 10:34	1 Q. Okay. In that case, we can mark this next 10:37
2 So the way you're using "incorporate by 10:35	2 in order. 10:38
3 reference," what does it mean to you? 10:35	3 (Exhibit 2 marked) 10:38
4 A. It would be part of the model code. 10:35	4 MS. MILLER-ZIEGLER: Where is this from? 10:38
5 Q. So that's the incorporation. 10:35	5 MR. NERCESSIAN: This is from the Internet 10:39
6 A. Uh-huh. 10:35	6 archive. 10:39
7 Q. But does the code incorporate the standard 10:35	7 MS. MILLER-ZIEGLER: Generally the Internet 10:39
8 by referencing a reference standard? 10:35	8 archive versions have some annotation indicating that 10:39
9 MS. MILLER-ZIEGLER: Objection to form. 10:35	9 they're from the Internet archive which this doesn't 10:39
10 THE WITNESS: Can you repeat the question? 10:35	10 have. Has this been modified? 10:39
11 BY MR. NERCESSIAN: 10:35	11 MR. NERCESSIAN: It's just the PDF that's 10:39
12 Q. Yes. Does the code incorporate a reference 10:35	12 available on the Internet archive. 10:39
13 standard by referencing that standard? 10:35	13 MS. MILLER-ZIEGLER: There's no other front 10:39
14 A. Yes. 10:35	14 matter that's associated with it? 10:39
15 Q. How does it reference it? 10:35	15 MR. NERCESSIAN: No. There was a PDF linked 10:39
16 MR. FEE: Object to the form. 10:36	16 directly there. There is the notation that appears 10:39
17 BY MR. NERCESSIAN: 10:36	17 on the front that you see. 10:39
18 Q. You can answer. 10:36	18 MS. MILLER-ZIEGLER: We'll object to the 10:39
19 A. There's a number that is referenced in the 10:36	19 unauthorized copy then. 10:39
20 model code to the reference standard. 10:36	20 MR. FEE: You obviously put cover sheets on 10:39
21 Q. So if somebody is reading the California 10:36	21 this, too? You're not claiming that this cover sheet 10:39
22 Building Standards Code, do they have to refer to 10:36	22 was part of the archive? 10:39
23 another reference code to understand it? 10:36	23 MR. NERCESSIAN: No, not claiming the cover 10:39
MR. FEE: Objection to form. 10:36	24 sheet was part of it. That's just to break it up. 10:39
24 MR. FEE: Objection to form. 10:36 25 THE WITNESS: In some cases, yes. 10:36	24 sheet was part of it. That's just to break it up. 10:39 25 MR. FEE: I object to that as well. 10:39

1 MS. MILLER-ZIEGLER: We'll also object to 10:4	0 1 Q. And previously, you testified that it goes 10:45
2 the authenticity of this. 10:40	2 into effect January 1st, 2020? 10:45
3 BY MR. NERCESSIAN: 10:40	3 A. Correct. 10:45
4 Q. All right. Ms. Marvelli, are you familiar 10:40	4 Q. Until the 2019 edition goes into effect, the 10:45
5 with this document? 10:40	5 2016 California Building Standards Code will be the 10:45
6 MR. FEE: Objection to form. 10:40	6 law; correct? 10:45
7 THE WITNESS: Nope. 10:40	7 MR. FEE: Objection to form. 10:45
8 BY MR. NERCESSIAN: 10:40	8 THE WITNESS: Yes. 10:45
9 Q. Does it appear to well, what makes you 10:40	9 BY MR. NERCESSIAN: 10:45
10 say that? 10:40	10 Q. And the 2016 California Building Code will 10:45
11 A. Well, there's information that is not part 10:40	11 be effective until the 2019 edition goes into effect; 10:45
12 of what we publish as a California Electrical Code on 10:40	12 correct?
13 the cover. 10:40	13 A. Yes. 10:46
14 Q. I represent okay. So this is deposition 10:40	14 Q. How many parts does the 2019 triennial 10:46
15 Exhibit Number 2, and what's the information on the 10:4	
16 cover that you the annotations strike that. 10:42	16 A. Thirteen. 10:46
We can mark this next in order. 10:42	17 Q. Does each part pertain to a different 10:46
18 (Exhibit 3 marked) 10:42	18 subject matter? 10:46
19 BY MR. NERCESSIAN: 10:42	19 A. Yes. 10:46
20 Q. All right. You have been handed an exhibit 10:42	20 Q. So, for instance, Part 1 is the California 10:46
21 marked for identification as Deposition Exhibit 3. 10:43	21 Administrative Code; correct? 10:46
22 Do you recognize this document? 10:43	22 A. Yes. 10:46
23 A. It appears as though it's a print of our web 10:43	23 Q. And Part 3 is the California Electrical 10:46
24 page or code's web page. 10:43	24 Code; correct? 10:46
25 Q. And what does the California Building 10:43	25 A. Correct. 10:46
Page 34	Page 36
1 Commission display on the code's web page on its 10:43	1 Q. Does CBSC currently host any parts of the 10:46
2 site? 10:43	2 2016 triennial edition of the California Building 10:46
3 MS. MILLER-ZIEGLER: Objection to form. 10:43	3 Standards Code on the BSC website? 10:46
4 THE WITNESS: The 12 parts of Title 24. 10:43	4 A. I don't know what you mean by "host." 10:46
5 BY MR. NERCESSIAN: 10:43	5 Q. By "host," I mean does it store an 10:46
6 Q. How often does CBSC issue a new Title 24? 10:43	6 accessible version of the code on the BSC website? 10:47
7 A. Triennially, every three years, but we also 10:43	7 A. No. I believe it's all points to the 10:47
8 could have emergencies change without regulatory 10:43	8 model code publisher. 10:47
9 effect or an intervening supplement which would amend 10:44	9 Q. And CBSC does not currently host any parts 10:47
10 any edition of the code. 10:44	10 for any edition of the California Building Standards 10:47
11 Q. And you'll note, if you look at the bottom 10:44	11 Code on the BSC website; correct? 10:47
12 of the page, there's a URL there. Can you read that 10:44	12 A. I'm not certain of that. 10:47
13 URL, please? 10:44	13 Q. On the second page of this exhibit, there's 10:47
14 A. Sure. Https://www.dgs.ca.gov/BSC/Codes. 10:44	14 a heading that reads "2016 Triennial Edition of 10:47
15 Q. Thank you. And that's a website that's 10:44	15 Title 24." 10:47
16 administered by the State; is that correct? 10:45	16 A. Uh-huh. 10:47
17 A. Yes. 10:45	17 Q. Does CBSC currently host a complete edition 10:47
18 Q. And the "DGS" in that subdomain stands for 10:45	18 of the 2016 version of Title 24 on the BSC website? 10:47
19 the Department of General Services; correct? 10:45	19 A. It points to the model code developers much 10:48
20 A. Yes. 10:45	20 like the '19 code. 10:48
21 Q. And what does the "BSC" stand for? 10:45	21 Q. And that's the same for the 2013 edition; 10:48
22 A. Building Standards Commission. 10:45	22 correct?
23 Q. When was the 2019 edition of Title 24 10:45	23 A. Correct. 10:48
24 published? 10:45	24 Q. This web page also, in a section marked 10:48
25 A. On or around July 1st of this year. 10:45	25 "Purchase the Codes," directs the user to public 10:48
Page 35	Page 37

10 (Pages 34 - 37)

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1 code strike that. 10:48	1 MR. YEN: I just wanted to clarify that you 10:50
2 In a section called "Purchase the Codes," 10:48	2 weren't just referring to the commission. 10:50
3 similarly, the website directs the user to the 10:48	3 MR. NERCESSIAN: No. 10:50
4 publisher's websites; correct? 10:48	4 MR. YEN: Okay. 10:50
5 MS. MILLER-ZIEGLER: Objection as leading. 10:48	5 BY MR. NERCESSIAN: 10:50
6 THE WITNESS: Yes. 10:48	6 Q. All right. On the third page of the 10:50
7 BY MR. NERCESSIAN: 10:48	7 exhibit, there's a under a heading that says 10:50
8 Q. One of those publishers is the International 10:48	8 "California Building Standards Code," there's a 10:50
9 Code Council? 10:48	9 description that reads "The California Building 10:50
10 A. Yes. 10:49	10 Standards Code is a compilation of three types of 10:50
11 Q. And what parts is the International Code 10:49	11 building standards from different origins." 10:50
12 Council responsible for publishing? 10:49	What are the sources of the California 10:51
13 A. It's listed here on the web page. Would you 10:49	13 Building Standards Code? 10:51
14 like me to read them all or 10:49	14 A. California amendments which are proposed by 10:51
15 Q. No. 10:49	15 State agencies, the model codes that California is 10:51
16 A. Okay. 10:49	16 required by law to adopt. That's two kinds. It's a 10:51
17 Q. And the web page lists the parts that are 10:49	17 blend. 10:52
18 available through each publisher; correct? 10:49	18 Q. So this statement identifies three. 10:52
19 A. Yes. 10:49	19 A. Uh-huh. 10:52
20 Q. Does the State of California, to your 10:49	20 Q. What makes you so and we discussed two 10:52
21 knowledge, make the full text of the California 10:49	21 kinds. Is there not a third? 10:52
22 Building Standards Code available to the public? 10:49	22 A. I'd have to read this because I'm not 10:52
23 MR. FEE: Objection to form. 10:49	23 understanding what that have been adopted by State 10:52
24 THE WITNESS: Yes. 10:49	24 without change. Okay, I get it. We recently went 10:52
25 BY MR. NERCESSIAN: 10:49 Page 38	25 through a web page change, so I needed to read this 10:52 Page 40
1 Q. How? 10:49	1 because I haven't read this yet. 10:52
2 MR. FEE: Same objection. 10:49	2 Q. Okay. 10:53
2 MR. FEE: Same objection. 10:49 3 THE WITNESS: It's viewable on our website 10:49	2 Q. Okay. 10:53 3 A. So I guess I understand why they're saying 10:53
2 MR. FEE: Same objection. 10:49 3 THE WITNESS: It's viewable on our website 10:49 4 through the publisher. 10:49	2 Q. Okay. 10:53 3 A. So I guess I understand why they're saying 10:53 4 three. So there's building standards that have been 10:53
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1 occupancies in California, do they apply to 10:54	1 Code was the 2016 version of the California 10:56
2 residences? 10:54	2 Electrical Code based on? 10:56
3 MS. MILLER-ZIEGLER: Objection to form. 10:54	3 MS. MILLER-ZIEGLER: Objection to form. 10:56
4 THE WITNESS: Yes. 10:54	4 THE WITNESS: The 2014 electrical code. 10:56
5 BY MR. NERCESSIAN: 10:54	5 BY MR. NERCESSIAN: 10:56
6 Q. Do they apply to office buildings? 10:54	6 Q. So you described that standard as NFPA 70. 10:57
7 A. Yes. 10:54	7 What does "NFPA" stand for? 10:57
8 Q. Do they apply to schools? 10:54	8 A. National Fire Protection Association. 10:57
9 A. Yes. 10:54	9 Q. Is that the same National Fire Protection 10:57
10 Q. Do the national model codes adopted into 10:54	10 Association that is a named plaintiff in this case? 10:57
11 Title 24 apply to hospitals? 10:54	11 MR. FEE: Objection to form. 10:57
12 A. Yes. 10:54	12 THE WITNESS: Yes. 10:57
13 MS. MILLER-ZIEGLER: Objection to form. 10:54	13 BY MR. NERCESSIAN: 10:57
14 BY MR. NERCESSIAN: 10:55	14 Q. Can you describe how the CBSC developed the 10:57
15 Q. Do they apply to government buildings? 10:55	15 2019 edition of the California Electrical Code? 10:57
16 A. Yes. 10:55	16 A. Yes. 10:57
17 Q. Are there any occupancies in California that 10:55	17 O. Please do. 10:57
18 the national model codes adopted into Title 24 do not 10:55	18 A. Okay. Again, state law requires the State 10:57
19 apply to? 10:55	19 agencies to adopt the most recent edition of model 10:57
20 MS. MILLER-ZIEGLER: Objection to form. 10:55	20 codes, and in the case of the electrical code, it 10:57
21 THE WITNESS: I don't have an answer for 10:55	21 would be the 2017 National Electrical Code. The 10:57
22 that. 10:55	22 State agencies carry forward existing amendments in 10:58
23 BY MR. NERCESSIAN: 10:55	23 some cases from the previous edition. 10:58
24 Q. Because it applies to all occupancies in 10:55	24 They may make amendments to the new edition 10:58
25 California; correct? 10:55	25 that they're looking at. They may have pre-cycle 10:58
Page 42	Page 44
1 MS. MILLER-ZIEGLER: Objection to form. 10:55	1 workshops to vet any changes that are necessary. 10:58
2 THE WITNESS: Yes. 10:55	2 Then their rulemaking documents are submitted to the 10:58
3 BY MR. NERCESSIAN: 10:55	3 Building Standards Commission staff, and they are 10:58
3 BY MR. NERCESSIAN: 10:55 4 Q. So we established earlier that Part 3 of 10:55	3 Building Standards Commission staff, and they are 10:58 4 those files are reviewed for compliance with the 10:58
3 BY MR. NERCESSIAN: 10:55 4 Q. So we established earlier that Part 3 of 10:55 5 Title 24 is the California Electrical Code. What 10:55	3 Building Standards Commission staff, and they are 10:58 4 those files are reviewed for compliance with the 10:58 5 Administrative Procedures Act and the building 10:58
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1 other rulemaking documents are presented to the 11:00	1 by State agencies, the timing strike that. Not 11:03
2 commission at a public meeting where the commission 11:00	2 the timing. The initial submittal rulemaking 11:03
3 takes action on the rulemaking package. 11:00	3 documents that are required to be submitted, the 11:03
4 Q. Got it. And it is the commission that has 11:00	4 actions that can be taken by the commission. That's 11:03
5 the final say on what language ultimately makes it 11:00	5 what I can remember off the top of my head. 11:03
6 into the version of the California Electrical Code? 11:00	6 Q. And all those rules are directed at 11:03
7 MS. MILLER-ZIEGLER: Objection. Form. 11:00	7 governing California state administrative processes; 11:03
8 THE WITNESS: The commission looks at all of 11:00	8 correct? 11:03
9 the public comments that were considered, the 11:00	9 MS. MILLER-ZIEGLER: Objection to form. 11:03
10 Statement of Reasons, and they rely on the 11:00	10 MR. FEE: Object to form. 11:03
11 determination of the State agency as well, and that 11:00	11 THE WITNESS: Not sure I follow that 11:03
12 is all weighed, and as long as it meets the 11:00	12 question. 11:03
13 nine-point criteria, the commission may take action 11:00	13 BY MR. NERCESSIAN: 11:03
14 on the package to approve it. 11:00	14 Q. I can rephrase. Who is the audience for 11:03
15 BY MR. NERCESSIAN: 11:01	15 Part 1 of Title 24? 11:04
16 Q. And that's the nine-point criteria you 11:01	16 MR. FEE: Objection to form. 11:04
17 referred to earlier where if one of the criteria is 11:01	17 THE WITNESS: That code, administrative code 11:04
18 not met, there might be reason for an amendment; 11:01	18 is available for anybody, so it's the public, it 11:04
19 correct? 11:01	19 could be State agencies, it could be code advisory 11:04
20 A. Possibly, yes. 11:01	20 committee members, it could be the commission. 11:04
21 Q. You referred to in this to there being a 11:01	21 BY MR. NERCESSIAN: 11:04
22 code advisory committee. 11:01	22 Q. Got it. 11:04
23 A. Uh-huh. Yes. Sorry. 11:01	23 A. Uh-huh. Could we take a break for a couple 11:04
24 Q. Where does that advisory committee reside? 11:01	24 minutes? Would that be okay? 11:04
25 A. It's assembled every two years for each 11:01	25 Q. There's no question pending, so okay. 11:04
Page 46	Page 48
1 triennial coded option, and a call for application 11:01	1 1 A Okay Pause for a minute 11:04
1 triennial coded option, and a call for application 11:01	1 1 A. Okay. Pause for a minute. 11:04  2 VIDEO OPERATOR: We're off the record. It's 11:04
2 goes out by the Building Standards Commission staff, 11:01	2 VIDEO OPERATOR: We're off the record. It's 11:04
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13 (Pages 46 - 49)

1 THE WITNESS: Just referenced in the code 11:23	1 MR. FEE: Objection to form. 11:25
2 that's adopted by California. That's all. 11:23	2 THE WITNESS: Yes. 11:25
3 BY MR. NERCESSIAN: 11:23	3 BY MR. NERCESSIAN: 11:25
4 Q. In what context does the code use it? 11:23	4 Q. Does the State make, to your knowledge 11:25
5 A. I don't know. 11:23	5 strike that. 11:25
6 Q. Are you familiar with the term 11:23	6 To your knowledge, does the State of 11:25
7 "incorporation by reference"? 11:23	7 California make the text of the California Electrical 11:25
8 A. Yes. 11:23	8 Code available to the public in any way other than by 11:26
9 Q. And what's your understanding of that term? 11:23	9 referring it to the publisher? 11:26
10 A. Referenced in the code. 11:23	10 MS. MILLER-ZIEGLER: Object to form. 11:26
11 Q. So do you understand that "incorporation by 11:23	11 MR. YEN: Again, you keep using the "State 11:26
12 adoption" and "incorporation by reference" have the 11:23	12 of California," so you're saying the entire State of 11:26
13 same meaning? 11:23	13 California, not just the commission; right? I just 11:26
14 MS. MILLER-ZIEGLER: Objection. Leading. 11:23	14 want to be clear when you 11:26
15 THE WITNESS: I don't know. 11:23	15 MR. NERCESSIAN: I'm asking to her 11:26
16 BY MR. NERCESSIAN: 11:24	16 knowledge. 11:26
	17 MR. YEN: Okay. For the entire state? 11:26
	18 MR. NERCESSIAN: For the entire state. 11:26
18 understanding of how the meaning of "incorporation by 11:24	18 MR. NERCESSIAN: For the entire state. 11:26  19 MR. YEN: Okay. 11:26
19 reference" may differ from "incorporation by 11:24 20 adoption"? 11:24	20 THE WITNESS: The Building Standards 11:26
_	21 Commission makes available on its website a link to 11:26
21 MS. MILLER-ZIEGLER: Objection. This calls 11:24	22 the model code. The State of California, there's a 11:26
22 for a legal conclusion. It's also outside the scope 11:24	,
23 of the subpoena. 11:24	
24 THE WITNESS: Yeah. I don't have an answer 11:24 25 for you. I don't know. 11:24	24 jurisdictions need to make available the building 11:26 25 codes, all of the building codes publicly at their 11:26
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1 BY MR. NERCESSIAN: 11:24	1 office as well, a printed version if you will. 11:26
2 Q. But your understanding is that incorporation 11:24	2 BY MR. NERCESSIAN: 11:26
3 by reference has been used in the codes in strike 11:24	3 Q. And who is the publisher in the case of the 11:26
4 that. 11:24	4 California Electrical Code? 11:27
5 Is it your understanding that incorporation 11:24	5 A. The 2016 edition, the publisher was BNi, and 11:27
6 by reference applies when California law references 11:24	6 for the 2019 edition, the publisher was NFPA. 11:27
7 reference standards such as the National Electrical 11:24	7 Q. With respect to the 2016 edition, was 11:27
8 Code? 11:25	8 strike that.
9 MR. FEE: Objection to form. 11:25	9 Did the NFPA serve any role with respect to 11:27
10 MS. MILLER-ZIEGLER: Objection. Calls for a 11:25	10 the 2016 edition of the California Electrical Code? 11:27
11 legal conclusion. 11:25	11 MR. FEE: Objection. Form. 11:27
12 THE WITNESS: Yeah. I don't know. 11:25	12 MS. MILLER-ZIEGLER: Objection. It's vague. 11:27
13 BY MR. NERCESSIAN: 11:25	13 THE WITNESS: I don't know. 11:27
14 Q. You said that the State of California makes 11:25	14 BY MR. NERCESSIAN: 11:27
15 California build the strike that. 11:25	15 Q. What is BNi? 11:27
16 You testified earlier that the Building 11:25	16 A. I don't know the full name. I know them as 11:27
17 Standards Commission makes the California Building 11:25	17 BNi, is the publisher for the 2016 electrical code. 11:27
18 Standards Code available to the public by referring 11:25	18 Q. Do you know anything about the entity BNi if 11:28
19 the public to the publisher; is that correct? Do you 11:25	19 not the full name? 11:28
20 recall that testimony? 11:25	20 A. No, I don't. 11:28
21 A. Yes. 11:25	21 Q. You understand that they publish the 2016 11:28
22 MR. FEE: Objection. Form. 11:25	22 California Electrical Code? 11:28
23 BY MR. NERCESSIAN: 11:25	23 A. Yes. 11:28
24 Q. Is the same true for the California 11:25	24 Q. Did anybody else, any other entity publish 11:28
25 Electrical Code? 11:25	25 the 2016 electrical code, California Electrical Code? 11:28
Page 51	Page 53
	1

14 (Pages 50 - 53)

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3 publisher of the California Electrical Code, the 2016 11:28 4 edition, other than BNi? 11:28 5 MS. MILLER-ZIEGLER: Objection. That 11:28 6 misstates her testimony. 11:28 7 THE WITNESS: I don't know. 11:28 8 BY MR. NERCESSIAN: 8 9 Q. Okay. So you're not aware of any other 11:28 10 publisher of the 2016 California Electrical Code 11:28 11 other than BNi? 11:28 12 A. Correct. 11:29 13 Q. Do you know how BNi makes the 2016 11:29 14 electrical code available to the public? 11:29 15 A. Via the website or by purchasing. 11:29 16 Q. When you say it makes it available via the 11:29 17 website, what website is that? 11:29 17	2 access to the text of the 2016 California Electrical 11:31 3 Code without payment? 11:31 4 MR. FEE: Objection to form. 11:31 5 MS. MILLER-ZIEGLER: Objection. Vague. 11:31 6 BY MR. NERCESSIAN: 11:31 7 Q. I can rephrase. Do you know whether BNi 11:31 8 provides the public with full access to the text of 11:31 9 the 2016 California Electrical Code without payment? 11:32 9 MR. FEE: Objection to form. 11:32 9 MS. MILLER-ZIEGLER: Objection. Vague. 11:32 12 THE WITNESS: I don't know that. 11:32 13 BY MR. NERCESSIAN: 11:32
3 publisher of the California Electrical Code, the 2016 11:28 4 edition, other than BNi? 11:28 5 MS. MILLER-ZIEGLER: Objection. That 11:28 6 misstates her testimony. 11:28 7 THE WITNESS: I don't know. 11:28 8 BY MR. NERCESSIAN: 8 9 Q. Okay. So you're not aware of any other 11:28 10 publisher of the 2016 California Electrical Code 11:28 11 other than BNi? 11:28 12 A. Correct. 11:29 13 Q. Do you know how BNi makes the 2016 11:29 14 electrical code available to the public? 11:29 15 A. Via the website or by purchasing. 11:29 16 Q. When you say it makes it available via the 11:29 17 website, what website is that? 11:29 17	3 Code without payment? 11:31  4 MR. FEE: Objection to form. 11:31  5 MS. MILLER-ZIEGLER: Objection. Vague. 11:31  6 BY MR. NERCESSIAN: 11:31  7 Q. I can rephrase. Do you know whether BNi 11:31  8 provides the public with full access to the text of 11:31  9 the 2016 California Electrical Code without payment? 11:32  9 MR. FEE: Objection to form. 11:32  10 MS. MILLER-ZIEGLER: Objection. Vague. 11:32  11:32  12 THE WITNESS: I don't know that. 11:32  13 BY MR. NERCESSIAN: 11:32
4 edition, other than BNi? 11:28 4 5 MS. MILLER-ZIEGLER: Objection. That 11:28 5 6 misstates her testimony. 11:28 6 7 THE WITNESS: I don't know. 11:28 7 8 BY MR. NERCESSIAN: 8 9 Q. Okay. So you're not aware of any other 11:28 10 10 publisher of the 2016 California Electrical Code 11:28 11 11 other than BNi? 11:28 11 12 A. Correct. 11:29 12 13 Q. Do you know how BNi makes the 2016 11:29 13 14 electrical code available to the public? 11:29 14 15 A. Via the website or by purchasing. 11:29 15 16 Q. When you say it makes it available via the 11:29 17 17 website, what website is that? 11:29 17	MR. FEE: Objection to form. 11:31  MS. MILLER-ZIEGLER: Objection. Vague. 11:31  BY MR. NERCESSIAN: 11:31  Q. I can rephrase. Do you know whether BNi 11:31  provides the public with full access to the text of 11:31  the 2016 California Electrical Code without payment? 11:32  MR. FEE: Objection to form. 11:32  MS. MILLER-ZIEGLER: Objection. Vague. 11:32  THE WITNESS: I don't know that. 11:32  BY MR. NERCESSIAN: 11:32
5         MS. MILLER-ZIEGLER: Objection. That         11:28         5           6         misstates her testimony.         11:28         6           7         THE WITNESS: I don't know.         11:28         7           8         BY MR. NERCESSIAN:         8         8           9         Q. Okay. So you're not aware of any other         11:28         9           10         publisher of the 2016 California Electrical Code         11:28         10           11         other than BNi?         11:28         11           12         A. Correct.         11:29         12           13         Q. Do you know how BNi makes the 2016         11:29         13           14         electrical code available to the public?         11:29         14           15         A. Via the website or by purchasing.         11:29         15           16         Q. When you say it makes it available via the         11:29         16           17         website, what website is that?         11:29         17	MS. MILLER-ZIEGLER: Objection. Vague. 11:31 BY MR. NERCESSIAN: 11:31 Q. I can rephrase. Do you know whether BNi 11:31 By provides the public with full access to the text of 11:31 The 2016 California Electrical Code without payment? 11:32 MR. FEE: Objection to form. 11:32 MS. MILLER-ZIEGLER: Objection. Vague. 11:32 THE WITNESS: I don't know that. 11:32 BY MR. NERCESSIAN: 11:32
6 misstates her testimony. 11:28 6 7 THE WITNESS: I don't know. 11:28 7 8 BY MR. NERCESSIAN: 8 9 Q. Okay. So you're not aware of any other 11:28 10 10 publisher of the 2016 California Electrical Code 11:28 11 11 other than BNi? 11:28 11 12 A. Correct. 11:29 12 13 Q. Do you know how BNi makes the 2016 11:29 13 14 electrical code available to the public? 11:29 14 15 A. Via the website or by purchasing. 11:29 15 16 Q. When you say it makes it available via the 11:29 16 17 website, what website is that? 11:29 17	6 BY MR. NERCESSIAN: 11:31  7 Q. I can rephrase. Do you know whether BNi 11:31  8 provides the public with full access to the text of 11:31  9 the 2016 California Electrical Code without payment? 11:32  10 MR. FEE: Objection to form. 11:32  11:32  12 MS. MILLER-ZIEGLER: Objection. Vague. 11:32  12 THE WITNESS: I don't know that. 11:32  13 BY MR. NERCESSIAN: 11:32
7       THE WITNESS: I don't know.       11:28       7         8       BY MR. NERCESSIAN:       8         9       Q. Okay. So you're not aware of any other       11:28       9         10       publisher of the 2016 California Electrical Code       11:28       10         11       other than BNi?       11:28       11         12       A. Correct.       11:29       12         13       Q. Do you know how BNi makes the 2016       11:29       13         14       electrical code available to the public?       11:29       14         15       A. Via the website or by purchasing.       11:29       15         16       Q. When you say it makes it available via the       11:29       16         17       website, what website is that?       11:29       17	Q. I can rephrase. Do you know whether BNi 11:31 B provides the public with full access to the text of 11:31 D the 2016 California Electrical Code without payment? 11:32 D MR. FEE: Objection to form. 11:32 MS. MILLER-ZIEGLER: Objection. Vague. 11:32 D THE WITNESS: I don't know that. 11:32 B BY MR. NERCESSIAN: 11:32
8 BY MR. NERCESSIAN:       9       Q. Okay. So you're not aware of any other       11:28       9         10 publisher of the 2016 California Electrical Code       11:28       10         11 other than BNi?       11:28       11         12 A. Correct.       11:29       12         13 Q. Do you know how BNi makes the 2016       11:29       13         14 electrical code available to the public?       11:29       14         15 A. Via the website or by purchasing.       11:29       15         16 Q. When you say it makes it available via the       11:29       16         17 website, what website is that?       11:29       17	B provides the public with full access to the text of 11:31  O the 2016 California Electrical Code without payment? 11:32  MR. FEE: Objection to form. 11:32  MS. MILLER-ZIEGLER: Objection. Vague. 11:32  THE WITNESS: I don't know that. 11:32  BY MR. NERCESSIAN: 11:32
9 Q. Okay. So you're not aware of any other 11:28 10 publisher of the 2016 California Electrical Code 11:28 11 other than BNi? 11:28 11 12 A. Correct. 11:29 12 13 Q. Do you know how BNi makes the 2016 11:29 13 14 electrical code available to the public? 11:29 14 15 A. Via the website or by purchasing. 11:29 15 Q. When you say it makes it available via the 11:29 16 17 website, what website is that? 11:29 17	B provides the public with full access to the text of 11:31  O the 2016 California Electrical Code without payment? 11:32  MR. FEE: Objection to form. 11:32  MS. MILLER-ZIEGLER: Objection. Vague. 11:32  THE WITNESS: I don't know that. 11:32  BY MR. NERCESSIAN: 11:32
9 Q. Okay. So you're not aware of any other 11:28 10 publisher of the 2016 California Electrical Code 11:28 11 other than BNi? 11:28 11 12 A. Correct. 11:29 12 13 Q. Do you know how BNi makes the 2016 11:29 13 14 electrical code available to the public? 11:29 14 15 A. Via the website or by purchasing. 11:29 15 Q. When you say it makes it available via the 11:29 16 17 website, what website is that? 11:29 17	the 2016 California Electrical Code without payment? 11:32  MR. FEE: Objection to form. 11:32  MS. MILLER-ZIEGLER: Objection. Vague. 11:32  THE WITNESS: I don't know that. 11:32  BY MR. NERCESSIAN: 11:32
10 publisher of the 2016 California Electrical Code       11:28       10         11 other than BNi?       11:28       11         12 A. Correct.       11:29       12         13 Q. Do you know how BNi makes the 2016       11:29       13         14 electrical code available to the public?       11:29       14         15 A. Via the website or by purchasing.       11:29       15         16 Q. When you say it makes it available via the       11:29       16         17 website, what website is that?       11:29       17	MR. FEE: Objection to form. 11:32  MS. MILLER-ZIEGLER: Objection. Vague. 11:32  THE WITNESS: I don't know that. 11:32  BY MR. NERCESSIAN: 11:32
11 other than BNi?       11:28       11         12 A. Correct.       11:29       12         13 Q. Do you know how BNi makes the 2016       11:29       13         14 electrical code available to the public?       11:29       14         15 A. Via the website or by purchasing.       11:29       15         16 Q. When you say it makes it available via the 11:29       16         17 website, what website is that?       11:29       17	MS. MILLER-ZIEGLER: Objection. Vague. 11:32 THE WITNESS: I don't know that. 11:32 B BY MR. NERCESSIAN: 11:32
12       A. Correct.       11:29       12         13       Q. Do you know how BNi makes the 2016       11:29       13         14       electrical code available to the public?       11:29       14         15       A. Via the website or by purchasing.       11:29       15         16       Q. When you say it makes it available via the 11:29       16         17       website, what website is that?       11:29       17	2 THE WITNESS: I don't know that. 11:32 3 BY MR. NERCESSIAN: 11:32
13 Q. Do you know how BNi makes the 2016 11:29 13 14 electrical code available to the public? 11:29 14 15 A. Via the website or by purchasing. 11:29 15 16 Q. When you say it makes it available via the 11:29 16 17 website, what website is that? 11:29 17	B BY MR. NERCESSIAN: 11:32
14 electrical code available to the public? 11:29 14 15 A. Via the website or by purchasing. 11:29 15 16 Q. When you say it makes it available via the 11:29 16 17 website, what website is that? 11:29 17	
15A. Via the website or by purchasing.11:291516Q. When you say it makes it available via the 11:291617website, what website is that?11:2917	
16 Q. When you say it makes it available via the 11:29 16 17 website, what website is that? 11:29 17	,
17 website, what website is that? 11:29	
	, ,
IV A The one I'm aware of is the Colifornia 11.20	7 questions, verbal, not 11:32
	, ,
19 Building Standards Commission's link on their website 11:29	, E
20 to their website. 11:29 20	THE WITNESS: Sorry. 11:32
21 Q. And for the 2016 edition that we're 11:29 21	BY MR. NERCESSIAN: 11:32
22 discussing, that links to a BNi website? 11:29 22	Q. All right. So when I asked, "You don't know 11:32
23 A. I don't know. 11:29 23	3 one way or another?" your answer was confirming that 11:32
24 Q. Do you know of any restrictions that appear 11:29 24	you don't know one way or another; correct? 11:32
25 on the website access through the link for the 2016 11:30 25	5 A. I don't know what BNi offers. 11:32
Page 54	Page 56
1 California Electrical Code? 11:30 1	Q. Does anybody in your office know what BNi 11:32
2 MR. FEE: Objection to form. 11:30 2	2 offers? 11:32
THE WITNESS: Can you repeat the question? 11:30	MR. FEE: Objection to form, calls for 11:32
4 BY MR. NERCESSIAN: 11:30 4	speculation. 11:32
5 Q. Are you aware of any restrictions on the 11:30 5	THE WITNESS: I don't know that. I wouldn't 11:32
	6 know that. 11:32
	7 BY MR. NERCESSIAN: 11:32
8 MR. FEE: Objection to form. 11:30 8	
J	profit publisher? 11:33
10 BY MR. NERCESSIAN: 11:30 10	
11 Q. Is it possible that there are restrictions 11:30 11	-
	2 BY MR. NERCESSIAN: 11:33
13 on the BSC website for the 2016 electrical code? 11:30	
MR. YEN: Objection. Calls for speculation. 11:30	3
15 MS. MILLER-ZIEGLER: Objection. Lacks 11:30 15	
16 foundation as well. 11:30 16	<u> </u>
	7 BY MR. NERCESSIAN: 11:33
18 Q. Do you know whether the public has full 11:31 18	` '
19 access to the text of the 2016 California Electrical 11:31	1 1
20 Code without payment? 11:31 20	
21 MR. FEE: Objection to form. 11:31 21	-
22 MG MG LED GUEGLED GUIL I VI	2 (Exhibit 4 marked) 11:34
22 MS. MILLER-ZIEGLER: Objection. Vague. 11:31 22	B BY MR. NERCESSIAN: 11:34
	Q. Ms. Marvelli, I've handed you a document 11:34
	Q. Mis. Mar veni, i ve handed you a document
23       THE WITNESS: I'm sorry. Repeat the       11:31       23         24 question again.       11:31       24	5 that's been marked for identification as Exhibit 4. 11:34

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1 Do you recognize this document? 11:34	1 other? 11:37
2 A. I've not seen this print before, but it 11:34	2 A. No, I'm not aware. I'm not aware. I don't 11:37
3 appears to be the California Electrical Code, the '19 11:35	3 know. 11:37
4 edition. 11:35	4 Q. Have you ever attempted to print the 11:37
5 Q. And the URL for this link has the domain 11:35	5 California Electrical Code from the NFPA viewer? 11:37
6 nfpa.org; correct? 11:35	6 A. I have not attempted to print the '19 11:37
7 A. Yes. 11:35	7 electrical code from the viewer. 11:37
8 Q. Is that NFPA the same as the named 11:35	8 Q. Are you aware whether anyone can copy text 11:37
9 plaintiffs in this lawsuit, the named plaintiff? 11:35	9 from the NFPA viewer for the 2019 California 11:37
10 MR. FEE: Object to form. 11:35	10 Electrical Code? 11:37
11 MR. YEN: Hold on a second. 11:35	11 MR. FEE: Objection to form. 11:37
12 If you need clarification, you can ask him 11:35	12 THE WITNESS: I don't know. 11:37
13 for clarification. 11:35	13 BY MR. NERCESSIAN: 11:37
14 THE WITNESS: Okay. Sorry. Yeah. Yeah, I 11:35	14 Q. Do you know whether someone can search the 11:38
15 guess I need clarification. 11:35	15 text of the 2019 California Electrical Code on the 11:38
16 BY MR. NERCESSIAN: 11:35	16 NFPA viewer? 11:38
17 Q. Do you know what the domain nfpa.org who 11:35	17 MR. FEE: Objection to form. 11:38
18 owns it, who runs it? 11:35	18 THE WITNESS: I don't know actually. I 11:38
19 MR. FEE: Objection to form. 11:35	19 don't know. 11:38
20 THE WITNESS: NFPA, so 11:35	20 BY MR. NERCESSIAN: 11:38
21 MR. YEN: Objection. Calls for speculation. 11:36	21 Q. And the BSC website links to a version of 11:38
22 THE WITNESS: Yeah, it does, yeah. 11:36	22 the California Electrical Code for the year 2019 on 11:38
23 BY MR. NERCESSIAN: 11:36	23 the NFPA viewer; correct? 11:38
24 Q. Do you have any experience with accessing 11:36	24 A. Yes. 11:38
25 any web pages at nfpa.org? 11:36	25 Q. It links to this, the website reflected in 11:38
Page 58	Page 60
1 A. Yes. 11:36	1 this document; correct? 11:38
2 Q. Have you accessed the 2019 California 11:36	2 MS. MILLER-ZIEGLER: Objection. Lack of 11:38
3 Electrical Code through nfpa.org? 11:36	3 foundation. 11:38
4 A. Yes. 11:36	4 MR. FEE: Object to form. Mischaracterizes 11:38
5 Q. Do you have any familiarity with the NFPA 11:36	5 her testimony. 11:38
6 viewer that the NFPA supplies for viewing the 2019 11:36	6 THE WITNESS: I don't know if it links 11:38
7 electrical code? 11:36	7 directly to what I'm looking at today. 11:38
8 MS. MILLER-ZIEGLER: Objection to form. 11:36	8 BY MR. NERCESSIAN: 11:38
9 THE WITNESS: I have familiarity, yes. 11:36	9 Q. Do you have any reason to believe it doesn't 11:38
10 BY MR. NERCESSIAN: 11:36	10 link to this web page in the NFPA viewer reflected 11:38
11 Q. In light of that experience, are the 11:36	11 here? 11:38
12 screenshots you see reflected in this exhibit 11:36	12 MS. MILLER-ZIEGLER: Objection. Lack of 11:38
13 familiar to you? 11:36	13 foundation. 11:39
14 MR. FEE: Objection to form. 11:36	14 THE WITNESS: I don't have a way to confirm 11:39
15 THE WITNESS: No. 11:36	15 that. 11:39
16 BY MR. NERCESSIAN: 11:36	16 BY MR. NERCESSIAN: 11:39
17 Q. Have you yourself accessed the 2019 11:36	17 Q. Have you ever tried copying text from the 11:39
18 California Electrical Code on the NFPA viewer? 11:37	18 California Electrical Code on the NFPA viewer? 11:39
19 A. Yes. 11:37	19 A. No. 11:39
20 Q. Are you aware whether you can print the code 11:37	20 Q. I'd like to refer you to the second page, 11:39
21 from the NFPA viewer? 11:37	21 and here on the second page, there's language stating 11:39
21 from the NFPA viewer? 11:37	21 and here on the second page, there's language stating 11:39
21 from the NFPA viewer? 11:37 22 MR. FEE: Objection to form. 11:37	21 and here on the second page, there's language stating 11:39 22 that "Portions of this publication are reproduced 11:39
21 from the NFPA viewer?       11:37         22 MR. FEE: Objection to form.       11:37         23 THE WITNESS: I'm not aware, no.       11:37	21 and here on the second page, there's language stating 11:39 22 that "Portions of this publication are reproduced 11:39 23 with permission from the National Electrical Code." 11:39

16 (Pages 58 - 61)

1 Q. And this also identifies that no portions of 11:39	1 page which the public can access. 11:43
2 NEC material may be reproduced except with permission 11:40	2 Q. I'd like to refer you call your attention 11:43
3 of the National Fire Protection Association." Do you 11:40	3 to this next page as well. It's noted as page 49 of 11:43
4 see that text? 11:40	4 1034. Have you at the top of the strike that. 11:43
5 A. Yes. 11:40	5 At the top of the page, it reads "Chapter 1 11:44
6 Q. What portions of the publication here did 11:40	6 California Matrix Adoption Tables." Do you see that? 11:44
7 NFPA contribute? 11:40	7 A. Yes. 11:44
8 MR. YEN: Objection. Calls for speculation. 11:40	8 Q. What is a Matrix Adoption Table? 11:44
9 MS. MILLER-ZIEGLER: Object to form. 11:40	9 A. It's a guide for the code reader to see 11:44
10 MR. NERCESSIAN: I can rephrase. 11:40	10 which State agencies amend or adopt an entire article 11:44
11 BY MR. NERCESSIAN: 11:40	11 of the electrical code or only specific sections from 11:44
12 Q. How can a reader of the California 11:40	12 the articles. 11:44
13 Electrical Code distinguish which portions of the 11:40	13 Q. And what information do these tables reflect 11:44
14 California Electrical Code NFPA contributed? 11:40	14 that allows a reader to distinguish whether a code is 11:44
15 MR. YEN: Same objection. 11:40	
J .	15 accepted as amended or adopted in its entirety? 11:44
16 THE WITNESS: So on page and I don't 11:40	16 MR. FEE: Objection. Form. 11:44
17 know the pages aren't numbered, so on the top 11:41	17 MS. MILLER-ZIEGLER: Objection. Misstates 11:44
18 right corner, it says 11 of 1034. There's a legend 11:41	18 her testimony. 11:44
19 that tells the reader how to distinguish between 11:41	MR. FEE: Also object, you're asking these 11:44
20 model code and California amendments. 11:41	20 questions without the full California Electrical Code 11:45
21 BY MR. NERCESSIAN: 11:41	21 in front of her, so she can't answer the question in 11:45
22 Q. And that legend indicates that if in the 11:41	22 the context of the entire document. 11:45
23 margin there is this "CA" notation vertically, that 11:41	23 BY MR. NERCESSIAN: 11:45
24 indicates that a California amendment has been made 11:41	24 Q. You may answer if you understand the 11:45
25 to the model code; correct? 11:41	25 question. 11:45
Page 62	Page 64
1 A. Yes. 11:41	1 A. This table represents what was approved by 11:45
2 MR. FEE: I'm going to object to the use of 11:41	2 the commission for publication in this edition of the 11:45
3 this exhibit in its entirety. Have you excerpted 11:41	3 code. 11:45
4 pages of this? 11:41	4 Q. So, for instance, it reflects on the top 11:45
5 MR. NERCESSIAN: Yes. These are screenshots 11:41	5 line those portions that were adopted in their 11:45
6 of what's available in the NFPA viewer. 11:41	6 entirety? 11:45
7 MR. FEE: Selected by you? 11:41	7 MS. MILLER-ZIEGLER: Objection. It's vague. 11:45
8 MR. NERCESSIAN: Selected by me, yes. 11:41	8 THE WITNESS: Yeah. 11:45
9 MR. FEE: Okay. I object to that. 11:41	9 BY MR. NERCESSIAN: 11:45
10 MS. MILLER-ZIEGLER: Objection as 11:42	10 Q. So how would code reader understand whether 11:45
11 incomplete. 11:42	11 portion of the reference code, reference standard was 11:45
12 BY MR. NERCESSIAN: 11:42	12 adopted in its entirety? 11:45
13 Q. All right. Does the Building Standards 11:42	MR. FEE: Object as to form. Object to the 11:45
14 Commission make any of these California amendments 11:42	14 exhibit again. 11:45
15 available to the public separately from the 11:42	15 THE WITNESS: Yeah. I'm not sure I'm 11:45
16 publication of the California Electrical Code? 11:42	16 understanding the question. 11:46
17 MS. MILLER-ZIEGLER: Objection. Form. 11:42	17 BY MR. NERCESSIAN: 11:46
THE WITNESS: Yes. The Final Statement of 11:42	18 Q. So let's look at this table that just for 11:46
19 Reasons may contain those amendments. 11:42	19 "Article 110 - Requirements of Electrical 11:46
20 BY MR. NERCESSIAN: 11:42	20 Installations." How would a code reader interpret 11:46
21 Q. After the rulemaking process is over, does, 11:42	21 this table? 11:46
22 to your knowledge, the State of California publish 11:42	21 4115 4600.
22 to jour knowledge, the blace of Camornia publish 11.42	22 MR FFF: Objection 11:46
23 any California amendments congrately? 11.42	22 MR. FEE: Objection. 11:46
23 any California amendments separately? 11:42	23 MS. MILLER-ZIEGLER: Objection. 11:46
<ul> <li>23 any California amendments separately?</li> <li>24 A. The Building Standards Commission makes</li> <li>25 available the Final Statement of Reasons on its web</li> <li>11:43</li> </ul>	
	23 MS. MILLER-ZIEGLER: Objection. 11:46

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2 BY MR. NERCESSIAN: 11:46 2 access strike that. 3 Q. What information is this table intend 11:46 4 4 forward from a previous 5 What information does this table for Article 11:46 5 person seeking to access 6 110 provide that may be helpful to a code reader in 11:46 6 A. I'm not following 7 interpreting the relevant portion of the California 11:47 7 Q. So earlier we estar 8 Electrical Code? 11:47 8 that. 9 MS. MILLER-ZIEGLER: Objection to form. 11:47 9 It's possible that a 10 THE WITNESS: This table, for example, 11:47 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike that.	11:50
3 Q. What information is this table intend 11:46 4 strike that. 11:46 5 What information does this table for Article 11:46 6 110 provide that may be helpful to a code reader in 11:46 7 interpreting the relevant portion of the California 11:47 8 Electrical Code? 11:47 9 MS. MILLER-ZIEGLER: Objection to form. 11:47 10 THE WITNESS: This table, for example, 11:47 11 represents that DSA, the acronym SS adopts the entire 11:47  3 If it was the case to 4 forward from a previous 5 person seeking to access 6 A. I'm not following 7 Q. So earlier we esta 8 that. 9 It's possible that a 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike tha	that they were carried 11:49 as code cycle, how would a 11:49 ss those provisions know? 11:50 g the question. Sorry. 11:50 ablished that strike 11:50 11:50
4 strike that.  11:46  4 forward from a previous person seeking to access to 110 provide that may be helpful to a code reader in 11:46  7 interpreting the relevant portion of the California 11:47  8 Electrical Code?  11:47  9 MS. MILLER-ZIEGLER: Objection to form.  11:47  10 THE WITNESS: This table, for example, 11:47  11 represents that DSA, the acronym SS adopts the entire 11:47  4 forward from a previous 5 person seeking to access 6  A. I'm not following 7  Q. So earlier we esta 8 that.  9 It's possible that a 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47  11 rules while strike that	us code cycle, how would a 11:49 ss those provisions know? 11:50 g the question. Sorry. 11:50 ablished that strike 11:50 11:50
5 What information does this table for Article 11:46 6 110 provide that may be helpful to a code reader in 11:46 7 interpreting the relevant portion of the California 11:47 8 Electrical Code? 11:47 9 MS. MILLER-ZIEGLER: Objection to form. 11:47 10 THE WITNESS: This table, for example, 11:47 11 represents that DSA, the acronym SS adopts the entire 11:47  5 person seeking to acces 6 A. I'm not following 7 Q. So earlier we esta 8 that. 9 It's possible that a 10 HCD may adopt an ent 11 rules while strike tha	ss those provisions know? 11:50 g the question. Sorry. 11:50 ablished that strike 11:50 11:50
6 110 provide that may be helpful to a code reader in 11:46 7 interpreting the relevant portion of the California 11:47 8 Electrical Code? 11:47 9 MS. MILLER-ZIEGLER: Objection to form. 11:47 10 THE WITNESS: This table, for example, 11:47 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike that	g the question. Sorry. 11:50 ablished that strike 11:50 11:50
7 interpreting the relevant portion of the California 11:47  8 Electrical Code? 11:47  9 MS. MILLER-ZIEGLER: Objection to form. 11:47  10 THE WITNESS: This table, for example, 11:47  11 represents that DSA, the acronym SS adopts the entire 11:47  7 Q. So earlier we estate that.  9 It's possible that a 10 HCD may adopt an ent.  11 rules while strike that.	ablished that strike 11:50 11:50
8 Electrical Code? 11:47 8 that. 9 MS. MILLER-ZIEGLER: Objection to form. 11:47 9 It's possible that a 10 THE WITNESS: This table, for example, 11:47 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike tha	11:50
9 MS. MILLER-ZIEGLER: Objection to form. 11:47 9 It's possible that a 10 THE WITNESS: This table, for example, 11:47 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike that 12 rules while strike that 13 rules while strike that 14 rules while strike that 15 rules while strike that 16 rules while strike that 18 rules whi	
10 THE WITNESS: This table, for example, 11:47 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike that	G 1 11.50
10 THE WITNESS: This table, for example, 11:47 10 HCD may adopt an ent 11 represents that DSA, the acronym SS adopts the entire 11:47 11 rules while strike that	State agency such as 11:50
11 represents that DSA, the acronym SS adopts the entire 11:47	tire article as amended into its 11:50
12 Article 110.   11:47   12   It's possible that a	State agency such as 11:50
	tire article as amended into its 11:50
14 Q. And what is DSA? 11:47 14 rules; correct?	11:50
15 A. The Division of the State Architect. And 11:47 15 A. I'm sorry. Repea	
	t a State agency such as 11:50
*	re article as amended into its 11:51
18 Q. And then we have two columns over, do you 11:47 18 rules?	11:51
19 see there's this column that reads "HCD"?  11:47  19 A. Yes.	11:51
	sion does not appear in their 11:51
	11:51
*	
25 within that column, there are X's here under sub 11:48 Page 66 25 strike that.	11:51 Page 68
1 column one and a sub column two. 11:48 1 One reason such a	provision might not appear 11:51
	of Rules is if it was carried 11:51
3 Q. What do those X's reflect? 11:48 3 forward from a previou	
4 A. That HCD's authority for one and two is 11:48 4 A. Yes.	11:51
	ow would a person know 11:51
6 amended sections are listed below. 11:48 6 where to look to find the	1
	1
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object	tion. Calls for speculation. 11:52
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS:	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAL	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In sucl 11 amended by HCD? 11:48 11 knowledge, the State of	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN: 11:48 10 Q. All right. In such 11:48 11 knowledge, the State of 12:48 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: I can rephrase. 11:49 13 In such a case, is in the state of 13:48 15 In such a case, is in 14:48 16 In such a case, wo 15 In such a case, is in 15:48 17 In such a case, wo 16:40 In such a case, is in 16:48 In such a case, is in 16:48 In such a case, wo 17:49 In such a case, is in 16:48 In such a case,	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: I can rephrase. 11:49 13 In such a case, is i 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:49 12 In such a case, wo 13 MR. NERCESSIAN: 11:49 13 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons for the same to the same that t	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: 1 can rephrase. 11:49 13 In such a case, is i 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons if 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle?	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: I can rephrase. 11:49 13 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons in 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 A. It's possible.	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: I can rephrase. 11:49 13 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons of 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 A. It's possible. 18 amended by HCD? 11:49 18 Q. Is there any way	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53
7 Q. And to access those articles that are 11:48 7 MR. FEE: Object 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: 1 can rephrase. 11:49 13 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons of 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 to access those articles adopted in their entirety as 11:49 17 A. It's possible. 18 amended by HCD? 11:49 19 the relevant provision to 15 the relevant pr	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 buld strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53
7 Q. And to access those articles that are 11:48 8 adopted in their entirety as amended strike that. 11:48 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: 1 can rephrase. 11:49 13 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons for 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 to access those articles adopted in their entirety as 11:49 16 earlier cycle? 17 A. It's possible. 18 amended by HCD? 11:49 18 Q. Is there any way 19 A. They are made available on the link to the 11:49 19 the relevant provision to 20 website, and those may or may not be in the Final 11:49 20 entirety as amended work.	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53 ould know where to look to 11:53
7 Q. And to access those articles that are 11:48 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN: 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. NERCESSIAN: 11:49 12 In such a case, wo 13 MR. NERCESSIAN: 11:49 13 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons for 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 to access those articles adopted in their entirety as 11:49 16 earlier cycle? 17 A. It's possible. 18 amended by HCD? 11:49 19 the relevant provision to 20 website, and those may or may not be in the Final 11:49 20 entirety as amended wo 21 Statement of Reasons that were amended by HCD. 11:49 21 access that provision?	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53 ould know where to look to 11:53
7 Q. And to access those articles that are 11:48 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN: 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. NERCESSIAN: 1 can rephrase. 11:49 13 In such a case, wo 13 MR. NERCESSIAN: 1 can rephrase. 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons of 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 to access those articles adopted in their entirety as 11:49 18 Q. Is there any way 19 A. They are made available on the link to the 11:49 19 the relevant provision to 20 website, and those may or may not be in the Final 11:49 21 access that provision? 22 Q. Why may they not be present in the Final 11:49 22 MR. FEE: Object.	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53 ould know where to look to 11:53 tion to form, calls for 11:53
7 Q. And to access those articles that are 11:48 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN: 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: I can rephrase. 11:49 13 In such a case, is i 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons for 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 to access those articles adopted in their entirety as 11:49 17 A. It's possible. 18 amended by HCD? 11:49 19 the relevant provision to 20 website, and those may or may not be in the Final 11:49 20 entirety as amended wo 21 Statement of Reasons that were amended by HCD. 11:49 22 MR. FEE: Object 23 Statement of Reasons that were amended by HCD? 11:49 23 speculation.	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 buld strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53 buld know where to look to 11:53 tion to form, calls for 11:53
7 Q. And to access those articles that are 11:48 8 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS: 9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN: 10 articles that had been adopted in their entirety as 11:48 10 Q. All right. In such 11 amended by HCD? 11:48 11 knowledge, the State of 12 MR. FEE: Objection. Calls for speculation. 11:48 12 In such a case, wo 13 MR. NERCESSIAN: 1 can rephrase. 11:49 13 In such a case, is i 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons for 16 Standards Commission provide to a code reader seeking 11:49 15 Statement of Reasons for 11:49 16 earlier cycle? 17 A. It's possible. 18 amended by HCD? 11:49 18 Q. Is there any way 19 A. They are made available on the link to the 11:49 19 the relevant provision to 20 website, and those may or may not be in the Final 11:49 20 entirety as amended word 21 Statement of Reasons that were amended by HCD. 11:49 21 access that provision? 22 Q. Why may they not be present in the Final 11:49 22 MR. FEE: Object 23 Statement of Reasons that were amended by HCD? 11:49 23 speculation. 24 THE WITNESS:	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 ould strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:5 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53 ould know where to look to 11:53 tion to form, calls for 11:53 11:53 Yeah. Yeah. I can't I 11:53
7 Q. And to access those articles that are 11:48 adopted in their entirety as amended strike that. 11:48 8 THE WITNESS:  9 How would a code reader access those 11:48 9 BY MR. NERCESSIAN: 11:48 10 Q. All right. In such a case, wo 13 MR. NERCESSIAN: 11:49 11 knowledge, the State of 14 BY MR. NERCESSIAN: 11:49 12 In such a case, is in 14 BY MR. NERCESSIAN: 11:49 14 entire code provision as 15 Q. What means of access does the Building 11:49 15 Statement of Reasons for 16 Standards Commission provide to a code reader seeking 11:49 16 earlier cycle? 17 to access those articles adopted in their entirety as 11:49 17 to access those articles adopted in their entirety as 11:49 18 amended by HCD? 11:49 19 the relevant provision to 20 website, and those may or may not be in the Final 11:49 19 the relevant provision? 11:49 19 the relevant provision? 11:49 11:49 12 access that provision? 11:49 12 A. They could have been carried forward from a 11:49 11:49 11:49 12 THE WITNESS:	tion. Calls for speculation. 11:52 Yeah. I don't know. 11:52 N: 11:52 h a case, does, to your 11:52 f California strike that. 11:52 buld strike that. 11:53 it possible that the 11:53 s amended appears in a Final 11:53 from the State agency from an 11:53 11:53 11:53 a person seeking to find 11:53 that was adopted in its 11:53 buld know where to look to 11:53 tion to form, calls for 11:53

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1 an answer for that question actually. 11:54	1 BNi; correct? 11:57
2 BY MR. NERCESSIAN: 11:54	2 A. That was the publisher, yes. I don't know 11:57
3 Q. And why don't you have an answer for that 11:54	3 the exact website link. 11:57
4 question? 11:54	4 Q. That text is not on the BSC site; correct? 11:57
5 A. I don't think I'm fully understanding what 11:54	5 MR. FEE: Objection. Mischaracterizes her 11:57
6 you're trying to ask. I apologize. 11:54	6 testimony. 11:57
7 Q. All right. I can rephrase. 11:54	7 THE WITNESS: That text is not on our 11:57
8 A. Okay. 11:54	8 website. It links to the publisher's website. 11:57
9 Q. I'm trying to ask with respect to these code 11:54	9 BY MR. NERCESSIAN: 11:57
10 provisions that are part of the California 11:54	10 Q. And you're not aware of what restrictions 11:57
11 amendments, how can a person seeking to find them 11:54	11 the publisher places on access to that text? 11:57
12 access them? 11:54	12 MS. MILLER-ZIEGLER: Objection. Asked and 11:57
13 MR. FEE: Objection. Calls for speculation. 11:54	13 answered. 11:57
14 THE WITNESS: They're made available on the 11:54	14 THE WITNESS: No. 11:57
·	
15 website in previous editions of the code. 11:54	
16 BY MR. NERCESSIAN: 11:54	16 Q. Do you have to register with NFPA to see the 11:58
17 Q. And to access those strike that. 11:54	17 California Electrical Code at its site? 11:58
To access those previous editions, would the 11:54	18 MS. MILLER-ZIEGLER: Objection. Calls for 11:58
19 person have to go through the publisher such as BNi? 11:55	19 speculation. 11:58
20 MR. FEE: Objection. Calls for speculation. 11:55	20 THE WITNESS: I don't know. 11:58
21 THE WITNESS: I don't know. 11:55	21 BY MR. NERCESSIAN: 11:58
22 BY MR. NERCESSIAN: 11:55	22 Q. So you have no awareness whether one has to 11:58
23 Q. And when you testified earlier that 11:55	23 register within NFPA to see the California Electrical 11:58
24 they're available on the website in previous editions 11:55	24 Code on their site? 11:58
25 of the code; correct? Do you recall that testimony? 11:55	25 A. I only am familiar with how it's accessed 11:58
Page 70	Page 72
1 A. Yes. 11:55	1 through the BSC website to the NFPA website. 11:58
2 Q. On whose website? 11:55	2 Q. And that, as we established earlier, is by a 11:58
3 A. The link provided on our website. 11:55	3 link on the BSC website? 11:58
4 Q. The link is provided on the BSC website? 11:55	4 A. Correct. 11:58
5 A. Yes. 11:56	5 MS. MILLER-ZIEGLER: Objection. Asked and 11:58
6 MS. MILLER-ZIEGLER: Objection. Asked and 11:56	6 answered. 11:58
7 answered. 11:56	7 BY MR. NERCESSIAN: 11:58
8 BY MR. NERCESSIAN: 11:56	8 Q. Do you know whether a person needs to agree 11:58
9 Q. Where is the code provided? 11:56	9 to terms and conditions to access the California 11:58
10 MR. FEE: Objection. Form. 11:56	
	10 Electrical Code on a publisher's website?
	10 Electrical Code on a publisher's website? 11:58  11 MS. MILLER-ZIEGLER: Objection, Lacks 11:58
11 THE WITNESS: I'm having I can't I 11:56	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58
11 THE WITNESS: I'm having I can't I 11:56 12 don't know I don't understand the question that 11:56	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58 12 foundation. 11:58
11 THE WITNESS: I'm having I can't I 11:56 12 don't know I don't understand the question that 11:56 13 you're asking. 11:56	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58 12 foundation. 11:58 13 THE WITNESS: I don't know. 11:59
11       THE WITNESS: I'm having I can't I       11:56         12       don't know I don't understand the question that       11:56         13       you're asking.       11:56         14       BY MR. NERCESSIAN:       11:56	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58 12 foundation. 11:58 13 THE WITNESS: I don't know. 11:59 14 BY MR. NERCESSIAN: 11:59
11 THE WITNESS: I'm having I can't I 11:56 12 don't know I don't understand the question that 11:56 13 you're asking. 11:56 14 BY MR. NERCESSIAN: 11:56 15 Q. The link that's available on the BSC website 11:56	11       MS. MILLER-ZIEGLER: Objection. Lacks       11:58         12       foundation.       11:58         13       THE WITNESS: I don't know.       11:59         14       BY MR. NERCESSIAN:       11:59         15       Q. Do you know with strike that.       11:59
11 THE WITNESS: I'm having I can't I 11:56 12 don't know I don't understand the question that 11:56 13 you're asking. 11:56 14 BY MR. NERCESSIAN: 11:56 15 Q. The link that's available on the BSC website 11:56 16 is to text elsewhere; correct? 11:56	11       MS. MILLER-ZIEGLER: Objection. Lacks       11:58         12       foundation.       11:58         13       THE WITNESS: I don't know.       11:59         14       BY MR. NERCESSIAN:       11:59         15       Q. Do you know with strike that.       11:59         16       With respect to the 2016 code, do you know       11:59
11 THE WITNESS: I'm having I can't I 11:56 12 don't know I don't understand the question that 11:56 13 you're asking. 11:56 14 BY MR. NERCESSIAN: 11:56 15 Q. The link that's available on the BSC website 11:56 16 is to text elsewhere; correct? 11:56 17 A. Yes. 11:56	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58 12 foundation. 11:58 13 THE WITNESS: I don't know. 11:59 14 BY MR. NERCESSIAN: 11:59 15 Q. Do you know with strike that. 11:59 16 With respect to the 2016 code, do you know 11:59 17 whether BNi had to obtain permission from any other 11:59
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11 THE WITNESS: I'm having I can't I 11:56  12 don't know I don't understand the question that 11:56  13 you're asking. 11:56  14 BY MR. NERCESSIAN: 11:56  15 Q. The link that's available on the BSC website 11:56  16 is to text elsewhere; correct? 11:56  17 A. Yes. 11:56  18 Q. Text on, for instance, with respect to the 11:56  19 2016 version of the code, to a website service by 11:56  20 BNi; correct? 11:57  21 MR. FEE: Objection. Calls for speculation. 11:57  22 THE WITNESS: The 2016 from our website does 11:57	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58 12 foundation. 11:58 13 THE WITNESS: I don't know. 11:59 14 BY MR. NERCESSIAN: 11:59 15 Q. Do you know with strike that. 11:59 16 With respect to the 2016 code, do you know 11:59 17 whether BNi had to obtain permission from any other 11:59 18 entity to publish the California Electrical Code? 11:59 19 MR. FEE: Objection to form. 11:59 20 THE WITNESS: I don't know. 11:59 21 BY MR. NERCESSIAN: 11:59 22 Q. Do you know whether the State of California 11:59
11 THE WITNESS: I'm having I can't I 11:56 12 don't know I don't understand the question that 11:56 13 you're asking. 11:56 14 BY MR. NERCESSIAN: 11:56 15 Q. The link that's available on the BSC website 11:56 16 is to text elsewhere; correct? 11:56 17 A. Yes. 11:56 18 Q. Text on, for instance, with respect to the 11:56 19 2016 version of the code, to a website service by 11:56 20 BNi; correct? 11:57 21 MR. FEE: Objection. Calls for speculation. 11:57 22 THE WITNESS: The 2016 from our website does 11:57 23 reference the model code publisher. 11:57	11 MS. MILLER-ZIEGLER: Objection. Lacks 11:58 12 foundation. 11:58 13 THE WITNESS: I don't know. 11:59 14 BY MR. NERCESSIAN: 11:59 15 Q. Do you know with strike that. 11:59 16 With respect to the 2016 code, do you know 11:59 17 whether BNi had to obtain permission from any other 11:59 18 entity to publish the California Electrical Code? 11:59 19 MR. FEE: Objection to form. 11:59 20 THE WITNESS: I don't know. 11:59 21 BY MR. NERCESSIAN: 11:59 22 Q. Do you know whether the State of California 11:59 23 receives any revenue from BNi with respect to its 11:59

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1 receive revenue from BNi. 11:59	1 any contributions? 12:02
2 Q. Do you know whether any other agency of the 11:59	2 A. I do believe they amend the California 12:02
3 State of California does? 11:59	3 Electrical Code, yes. 12:03
4 A. I have I do not know, no. 11:59	4 Q. So you're defining just to I understand 12:03
5 Q. I'd like to refer your attention to the 12:00	5 the terminology you're using, you're defining 12:03
6 page marked 7 of 1034 of this same document. That 12:00	6 "contribution" as whether they propose an amendment? 12:03
7 starts with the heading "Acknowledgments." 12:00	7 A. A California amendment. 12:03
8 A. 7? 12:00	8 Q. That's understood. Did the Department of 12:03
9 Q. 7, correct. 12:00	9 Housing and Community Development seek to copyright 12:03
10 A. Okay. 12:00	10 any of their contributions to the California 12:03
11 Q. And so you see in this first paragraph that 12:00	11 Electrical Code? 12:03
12 it states "The California Electrical Code was 12:00	12 A. I don't know. 12:03
13 developed through the outstanding collaborative 12:00	13 MR. FEE: Objection. Calls for speculation. 12:03
14 efforts of," a number of State agencies here? Do you 12:01	14 BY MR. NERCESSIAN: 12:03
15 see that paragraph? 12:01	15 Q. Are you aware of whether any of these 12:03
16 A. Yes. 12:01	16 agencies strike that. 12:03
17 Q. Going down the list, what contributions 12:01	17 Are you aware of whether any of these State 12:03
18 strike that. 12:01	18 agencies that made contributions to the 2019 12:03
19 Are you aware of strike that. 12:01	19 California Electrical Code sought a copyright in 12:03
20 So each of these State agencies contributed 12:01	20 their contributions? 12:03
21 to the development of the California Electrical Code; 12:01	21 MS. MILLER-ZIEGLER: Objection. Calls for 12:03
22 correct? 12:01	22 speculation. 12:03
23 MR. FEE: Objection to form. 12:01	23 THE WITNESS: I don't know. 12:03
24 MS. MILLER-ZIEGLER: Objection. Misstates 12:01	24 BY MR. NERCESSIAN: 12:03
25 what the document says. 12:01	25 Q. The only organization you're aware of that 12:04
Page 74	Page 76
1 THE WITNESS: I don't know that every State 12:01	1 has asserted a copyright in the California Electrical 12:04
2 agency contributed to the contributed to 12:01	2 Code is the strike that. 12:04
3 amendments to the California Electrical Code that's 12:01	3 What organizations are you aware of that 12:04
4 listed here. 12:01	4 have asserted a copyright in the 2019 California 12:04
5 BY MR. NERCESSIAN: 12:01	5 Electrical Code? 12:04
6 Q. Each of these State agencies collaborated in 12:01	6 A. The model code publisher. 12:04
7 the process of developing the California Electrical 12:02	7 O. And who is that? 12:04
8 Code, however, did they not? 12:02	8 A. In the case of the '19, it's NFPA. 12:04
9 MR. FEE: Objection. Calls for speculation. 12:02	9 Q. And what about the 2016 California 12:04
THE WITNESS: I don't know that every one 12:02	10 Electrical Code? I can elaborate. 12:04
11 collaborated for the electrical code. 12:02	11 With respect to the 2016 California 12:04
12 BY MR. NERCESSIAN: 12:02	12 Electrical Code, are you aware of any organizations 12:05
13 Q. And what definition of "collaborated" are 12:02	13 that have asserted a copyright in that version? 12:05
14 you using? 12:02	14 MS. MILLER-ZIEGLER: Objection. Calls for a 12:05
15 A. I know that these State agencies contributed 12:02	15 legal conclusion. 12:05
16 to amendments, but not all of them did. These are a 12:02	16 THE WITNESS: Yeah. I'd have to research 12:05
17 list of common State agencies that contribute to all 12:02	17 that. I don't know. 12:05
18 of the California Building Standards Code. 12:02	18 BY MR. NERCESSIAN: 12:05
19 Q. All right. 12:02	19 Q. I'm asking for your awareness. 12:05
20 A. So, for example, the Department of Public 12:02	20 A. That would be BNi. 12:05
21 Health, I wouldn't know unless I researched to see if 12:02	21 Q. And anybody else you're aware of? 12:05
22 they actually specifically amended something in the 12:02	22 A. It could possibly be NFPA, but that's 12:05
23 California Electrical Code. 12:02	23 yeah. I'd have to research that. 12:05
24 Q. All right. Are you aware whether the 12:02	24 Q. Are you aware of whether any of the State 12:05
25 Department of Housing and Community Development made 12:02	
Page 75	Page 77
	20 (Pages 74 - 77)

20 (Pages 74 - 77)

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1 California Electrical Code have sought a copyright 12:05	1 Q. What organizations are you aware of that 12:08
2 interest in those contributions? 12:05	2 have asserted a copyright interest in any version of 12:08
3 A. No. 12:05	3 the California Electrical Code? 12:09
4 Q. So you have no awareness of State agencies 12:05	4 MS. MILLER-ZIEGLER: Objection. That's 12:09
5 seeking a copyright in their contributions to the 12:05	5 vague. 12:09
6 2016 California Electrical Code? 12:06	6 THE WITNESS: I think I already answered 12:09
7 A. No. 12:06	7 that question. 12:09
8 Q. Do you have strike that. 12:06	8 BY MR. NERCESSIAN: 12:09
9 Do you have any awareness of strike that. 12:06	9 Q. That was specific to a particular triennial 12:09
Did you have any involvement in the 12:06	10 version. I'm asking more broadly. So I can restate 12:09
11 development of the 2013 version of the California 12:06	11 the question. 12:09
12 Electrical Code? 12:06	12 A. Okay. 12:09
13 A. No. Can you repeat the question? I'm 12:06	13 Q. What organizations are you aware of that 12:09
14 sorry. 12:06	14 have asserted a copyright interest in any version of 12:09
15 Q. Yes. Did you have any involvement in the 12:06	15 the California Electrical Code? 12:09
16 development of the 2013 version of the California 12:06	16 A. That's too broad of a question. 12:09
17 Electrical Code? 12:06	17 MS. MILLER-ZIEGLER: Objection. Vague. Not 12:09
18 A. Yes. 12:06	18 clear what you're talking about, the California 12:09
19 Q. What was your involvement? 12:06	19 MR. NERCESSIAN: I said California 12:09
20 A. When I worked as an architectural associate, 12:07	20 Electrical Code. 12:09
21 like I spoke to earlier, I would have been involved 12:07	21 MS. MILLER-ZIEGLER: Okay. And the 12:09
22 in receiving documents from State agencies that 12:07	22 California amendments 12:09
23 possibly amend the California Electrical Code and 12:07	23 (Discussion off the record) 12:09
24 review those documents for the public process. 12:07	24 MS. MILLER-ZIEGLER: Just wanting to clarify 12:09
25 Q. And what sources was the 2013 version of the 12:07	25 what exactly it is that you're talking about that's 12:09
Page 78	Page 80
1 California Electrical Code based on? 12:07	1 being copyrighted. 12:09
2 A. I believe it was the 2011 edition of the 12:07	2 BY MR. NERCESSIAN: 12:10
3 NEC. 12:07	3 Q. The question is are you aware of any 12:10
4 Q. That's the National Electrical Code? 12:07	4 organizations that have asserted a copyright interest 12:10
5 A. Yes. 12:07	5 in any version, that's any triennial version of the 12:10
6 Q. Are you aware of any organization that has 12:07	6 California Electrical Code including the California 12:10
7 asserted a copyright interest in the 2013 version of 12:07	7 amendments? 12:10
8 the California Electrical Code? 12:07	8 MS. MILLER-ZIEGLER: We'll keep the 12:10
9 A. No. 12:07	9 objection as vague. 12:10
10 Q. Is it your understanding that no 12:07	10 THE WITNESS: No. 12:10
11 organization has asserted a copyright interest in the 12:08	
	11 BY MR. NERCESSIAN: 12:10
12 2013 version of the California Electrical Code? 12:08	12 Q. Other than BNi and NFPA 12:10
13 A. No. 12:08	12 Q. Other than BNi and NFPA 12:10 13 MR. YEN: Objection. Vague. 12:10
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08	12 Q. Other than BNi and NFPA 12:10 13 MR. YEN: Objection. Vague. 12:10 14 MS. MILLER-ZIEGLER: We think this is an 12:10
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08	12 Q. Other than BNi and NFPA 12:10 13 MR. YEN: Objection. Vague. 12:10 14 MS. MILLER-ZIEGLER: We think this is an 12:10 15 unfair question. You're being pretty vague about 12:11
13     A. No.     12:08       14     Q. You just have no understanding one way or     12:08       15     another?     12:08       16     A. Correct.     12:08	12 Q. Other than BNi and NFPA 12:10 13 MR. YEN: Objection. Vague. 12:10 14 MS. MILLER-ZIEGLER: We think this is an 12:10 15 unfair question. You're being pretty vague about 12:11 16 what you're talking about being copyrighted or not. 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08	12 Q. Other than BNi and NFPA 12:10 13 MR. YEN: Objection. Vague. 12:10 14 MS. MILLER-ZIEGLER: We think this is an 12:10 15 unfair question. You're being pretty vague about 12:11 16 what you're talking about being copyrighted or not. 12:11 17 MR. NERCESSIAN: I'm simply asking about 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08	12 Q. Other than BNi and NFPA 12:10 13 MR. YEN: Objection. Vague. 12:10 14 MS. MILLER-ZIEGLER: We think this is an 12:10 15 unfair question. You're being pretty vague about 12:11 16 what you're talking about being copyrighted or not. 12:11 17 MR. NERCESSIAN: I'm simply asking about 12:11 18 whether Ms. Marvelli has any awareness of any 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08 20 A. No. 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11  20 MS. MILLER-ZIEGLER: In the California 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08 20 A. No. 12:08 21 Q. Are you aware of any State agencies that 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11  20 MS. MILLER-ZIEGLER: In the California 12:11  21 amendments or in the NEC? 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08 20 A. No. 12:08 21 Q. Are you aware of any State agencies that 12:08 22 have asserted a copyright interest in their 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11  20 MS. MILLER-ZIEGLER: In the California 12:11  21 amendments or in the NEC? 12:11  22 MR. NERCESSIAN: In the California 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08 20 A. No. 12:08 21 Q. Are you aware of any State agencies that 12:08 22 have asserted a copyright interest in their 12:08 23 contributions for any version of the California 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11  20 MS. MILLER-ZIEGLER: In the California 12:11  21 amendments or in the NEC? 12:11  22 MR. NERCESSIAN: In the California 12:11  23 Electrical Code. The objection is noted. 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08 20 A. No. 12:08 21 Q. Are you aware of any State agencies that 12:08 22 have asserted a copyright interest in their 12:08 23 contributions for any version of the California 12:08 24 Electrical Code? 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11  20 MS. MILLER-ZIEGLER: In the California 12:11  21 amendments or in the NEC? 12:11  22 MR. NERCESSIAN: In the California 12:11  23 Electrical Code. The objection is noted. 12:11  24 BY MR. NERCESSIAN: 12:11
13 A. No. 12:08 14 Q. You just have no understanding one way or 12:08 15 another? 12:08 16 A. Correct. 12:08 17 Q. Are you aware of any State agencies that 12:08 18 have asserted a copyright interest in the 2013 12:08 19 version of the California Electrical Code? 12:08 20 A. No. 12:08 21 Q. Are you aware of any State agencies that 12:08 22 have asserted a copyright interest in their 12:08 23 contributions for any version of the California 12:08	12 Q. Other than BNi and NFPA 12:10  13 MR. YEN: Objection. Vague. 12:10  14 MS. MILLER-ZIEGLER: We think this is an 12:10  15 unfair question. You're being pretty vague about 12:11  16 what you're talking about being copyrighted or not. 12:11  17 MR. NERCESSIAN: I'm simply asking about 12:11  18 whether Ms. Marvelli has any awareness of any 12:11  19 organizations that have asserted an interest. 12:11  20 MS. MILLER-ZIEGLER: In the California 12:11  21 amendments or in the NEC? 12:11  22 MR. NERCESSIAN: In the California 12:11  23 Electrical Code. The objection is noted. 12:11

3   Exhibit Number 4 containing sereenshots from the   12:12   12:14   2:15   12:15   12:16				
3   Fixhibit Number 4 containing screenshots from the   12:12   1   13:13   1   13:13	1	on from this exhibit, just a few more questions. 12:11	1	A. It's a PRA request. 12:16
A NFPA's website. Does page one of the exhibit fairly 12:12   represent what a test would see on the screen in 12:12   reviewing the California Electrical Code on the NFPA 12:12   Website?   THE WITNESS: I would say yes. 12:12   ITHE WITNESS: I would be necessary to 12:12   ITHE WITNESS: Website without printing over a thousand screenshors? 12:12   Website without printing over a thousand screenshors? 12:13   MR YEN: As you doing okay? 12:13   MR YEN: As you doing okay? 12:13   MR YEN: As you doing okay? 12:13   MR WITNESS: Yeah. Little while longer, 12:13   MR YEN: As you doing okay? 12:13   MR WITNESS: We'ne got the record a 12:13   MR WITNESS: We'ne got the record a 12:13   MR WITNESS: We'ne got the record a 12:13   MR WITNESS: Yeah. Little while longer, 12:13   MR WITNESS: We'ne got the record a 12:13   MR WITNESS: Yeah. Little while longer, 12:13   MR WITNESS: We'ne we go off the reco	2	You heard NFPA's counsel's objection to 12:11	2	Q. And had you seen this document prior to 12:16
1   France of the series in   12-12   12-12   12-12   13   14   14   13   15   12-13   12-14   14   14   14   14   14   14   14		-	3	receiving the subpoena? 12:16
6   reviewing the California Electrical Code on the NFPA   12:12   2   2   2   3   8   MR. FEE: Objection. Calls for speculation. 12:12   12:16   8   MR. FEE: Objection. Calls for speculation. 12:12   12:16   8   A. FEE: Objection. Calls for speculation. 12:12   12:16			4	A. Yes, back in 2016 when it was received at 12:16
Website?		•	5	our office. 12:16
MR, FEE: Objection. Calls for speculation. 12:12   THE WITNESS: Iwould say yes. 12:12   11			6	Q. And it's a public records request of 12:16
S			7	
10 BY MR. NERCESSIAN:   12:12   12 reproduce the entire California Electrical Code?   12:12   13 A. 1 don't know.   12:12   14 whole California Electrical Code from the NFPA   12:12   15 whole California Electrical Code from the NFPA   12:12   16 website without printing over a thousand screenshots?   12:13   16 website without printing over a thousand screenshots?   12:13   17 A. 1 don't know.   12:13   18 MR. YEN: Are you doing okay?   12:13   18 MR. YEN: Are you doing okay?   12:13   18 MR. YEN: Are you doing okay?   12:13   19 THE WITNESS: Yeah. Little while longer,   12:13   18 MR. YEN: Are you doing okay?   12:13   18 MR. YEN: Are you doing okay?   12:13   19 MR. YEN: Are you doing okay?   12:13   19 MR. YEN: Are you doing okay?   12:13   12:14   19 MR. YEN: Yeah. Little while longer,   12:13   12:14   17 This letter was addressed to you; correct?   12:17   12:18   12:18   12:19   12:10   12:19   12:10   12:19   12:10		•		
10		* *	9	O. What documents does this request seek? 12:16
12   reproduce the entire California Electrical Code?   12:12   13   A. 1 don't know.   12:12   15   15   16   17   17   A. Yes.   12:13   17   18   18   Q. Are you aware whether one can reproduce the   12:12   18   18   MR. YEN: Are you doing okay?   12:13   18   MR. YEN: Yeah.   12:13   12:13   12:14   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:13   12:14   18   12:14   18   12:14   18   12:14   18   12:14   18   18   Q. The document, and, Ms. Marvelli, do you recognize this   12:15   19   9 document, and, Ms. Marvelli, do you recognize this   12:15   12   12   Q. What is it?   12:15   13   13   A. It was what was served to me a couple weeks   12:15   18   18   Q. The document ontains a number of   12:15   18   18   Q. The document ontains a number of   12:15   19   9 about some of them.   12:15   12   12   A. Okay.   12:15   12:16   1				•
13				-
14		•		-
15				
16   website without printing over a thousand screenshots?   12:12   17   A.		*		
17				6
18    MR. YEN: Are you doing okay?				
THE WITNESS: Yeah. Little while longer,   12:13   18				
20				-
MR. YEN: Yeah.   12:13   22   MR. NERCESSIAN: Can we go off the record a   12:13   12:13   25   record. It's   12:14   27   reveal any attorney-client communications you had   Page   12:14   28   THE WITNESS: Okay. We responded to the PRA   12:15   13   13   A. It was what was served to me a couple weeks   12:15   13   13   A. It was what was served to me a couple weeks   12:15   13   13   A. It was what was served to me a couple weeks   12:15   15   15   Q. And it's the subpocna to testify at today's   12:15   15   15   Q. And it's the subpocna to testify at today's   12:15   15   16   16   deposition; is that correct?   12:15   15   16   16   deposition; is that correct?   12:15   18   18   Q. The document contains a number of   12:15   19   9   attachments, and I'd like to ask you some questions   12:15   19   19   attachments, and I'd like to ask you some questions   12:15   19   19   attachments, and I'd like to ask you some questions   12:15   19   10   40   40   40   40   40   40   40	20	and then we'll take a break? 12:13		
22	21	MR. YEN: Yeah. 12:13		· · · · · · · · · · · · · · · · · · ·
VIDEO OPERATOR: Sure. We're off the   12:13   12:13   25   record. It's	22	MR. NERCESSIAN: Can we go off the record a 12:13		
12:13 25 record. It's   12:17   12:18   12:18   12:19   12:17   12:19   12:1	23	sec? 12:13		· · · · · · · · · · · · · · · · · · ·
1   1   1   1   1   1   1   1   1   1	24			
25   Page 82   25   reveal any attorney-client communications you had Page 82   1   1   (Recess)   12:13   2   VIDEO OPERATOR: We're back on the record.   12:14   2   12:14   3   It's   .     2   12:14   3   It's   .     3   12:14   4   4   MR. NERCESSIAN: Can we please mark this   12:14   5   5   next in order?   12:14   6   6   (Exhibit 5 marked)   12:14   7   7   BY MR. NERCESSIAN:   12:15   10   10   document?   12:15   11   11   A. Yes.   12:15   12   12   Q. What is it?   12:15   13   3   A. It was what was served to me a couple weeks   12:15   14   14   ago.   12:15   15   5   Q. And it's the subpoena to testify at today's   12:15   16   16   deposition; is that correct?   12:15   17   7   A. Yes.   12:15   18   18   Q. The document contains a number of   12:15   19   9   attachments, and I'd like to ask you some questions   12:15   18   18   Q. The document contains a number of   12:15   19   9   attachments, and I'd like to ask you some questions   12:15   12   12   A. Okay.   12:15   12   12   12   12   12   12   12				
Page 82   Page 92   Page		12:13		
1 1 (Recess) 12:13 2 VIDEO OPERATOR: We're back on the record. 12:14 2 12:14 3 It's . 3 and provided any responsive documents. 12:17 3 12:14 4 4 MR. NERCESSIAN: Can we please mark this 12:14 5 5 next in order? 12:14 6 6 (Exhibit 5 marked) 12:14 7 7 BY MR. NERCESSIAN: 12:15 9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document? 12:15 11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 10 20 a about some of them. 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16	25	Page 82	25	reveal any attorney-client communications you had 12:1 Page 84
2 VIDEO OPERATOR: We're back on the record. 12:14 2 12:14 3 It's		1 450 02		1 ugo o i
2 12:14 3 It's . 3 12:14  4 4 MR. NERCESSIAN: Can we please mark this 12:14 5 5 next in order? 12:14 6 6 (Exhibit 5 marked) 12:14 7 7 BY MR. NERCESSIAN: 12:14 8 8 Q. Please take a moment to look at the 12:15 9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document? 12:15 11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16	1	1 (Recess) 12:13	1	with respect to this. 12:17
3 12:14 4 4 MR. NERCESSIAN: Can we please mark this 12:14 5 5 next in order? 12:14 6 6 (Exhibit 5 marked) 12:14 7 7 BY MR. NERCESSIAN: 12:14 8 8 Q. Please take a moment to look at the 12:15 9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document? 12:15 11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  4 BY MR. NERCESSIAN: 12:17 5 Q. Did you review the documents that were 12:17 7 A. Yes. 12:17 7 A. Yes. 12:17 9 that I understand was part of that production. 12:18 10 (Exhibit 6 marked) 12:19 11 BY MR. NERCESSIAN: 12:19 12 Q. You've been passed a document marked for 12:19 13 identification as Exhibit 6. You can take a moment 12:19 14 to review this document. Have you seen this document 12:19 15 before? 12:19 16 A. I've not seen this document before. 12:19 17 Q. Do you see the date at the bottom of the 12:19 18 page that reads 12-16-2016? 12:19 19 A. Yes. 12:19 20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20		2 VIDEO OPERATOR: We're back on the record. 12:14	2	THE WITNESS: Okay. We responded to the PRA 12:17
4 4 MR. NERCESSIAN: Can we please mark this 12:14 5 5 next in order? 12:14 6 6 (Exhibit 5 marked) 12:14 7 7 BY MR. NERCESSIAN: 12:14 8 8 Q. Please take a moment to look at the 12:15 9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document? 12:15 11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  5 Q. Did you review the documents that were 12:17 6 provided pursuant to this request? 12:17 7 A. Yes. 12:17 7 A. Yes. 12:17 9 that I understand was part of that production. 12:18 10 (Exhibit 6 marked) 12:19 11 BY MR. NERCESSIAN: 12:19 12 Q. You've been passed a document marked for 12:19 13 identification as Exhibit 6. You can take a moment 12:19 14 to review this document. Have you seen this document 12:19 15 before? 12:19 16 A. I've not seen this document before. 12:19 17 Q. Do you see the date at the bottom of the 12:19 18 page that reads 12-16-2016? 12:19 19 A. Yes. 12:19 20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20	2	12:14 3 It's .	3	and provided any responsive documents. 12:17
5 5 next in order? 12:14 6 6 (Exhibit 5 marked) 12:14 7 7 BY MR. NERCESSIAN: 12:15 9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document? 12:15 11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16 25 26 Provided pursuant to this request? 12:17 26 A. Yes. 12:17 27 A. Yes. 12:17 28 Q. I have a document I'd like to show you now 12:17 29 that I understand was part of that production. 12:18 20 (Exhibit 6 marked) 12:19 21 11 BY MR. NERCESSIAN: 12:19 21 Q. You've been passed a document marked for 12:19 21 document I'd like to show you now 12:17 29 that I understand was part of that production. 12:18 20 (Exhibit 6 marked) 12:19 21 Q. You've been passed a document marked for 12:19 21 document I'd like to show you now 12:17 22 Q. You've been passed a document marked for 12:19 23 document I'd like to show you now 12:17 24 A. Yes. 12:19 25 Q. You've been passed a document marked for 12:19 26 Q. You've been passed a document Have you seen this document 12:19 27 Q. You've been passed a document marked for 12:19 28 Q. You've been passed a document marked for 12:19 29 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 21 Q. You've been passed a document marked for 12:19 22 Q. You've been pa	3	12:14	4	BY MR. NERCESSIAN: 12:17
6 6 (Exhibit 5 marked)   12:14   7 7 BY MR. NERCESSIAN:   12:14   8 8 Q. Please take a moment to look at the   12:15   9 9 document, and, Ms. Marvelli, do you recognize this   12:15   10 10 document?   12:15   11 11 A. Yes.   12:15   12 12 Q. What is it?   12:15   13 3 A. It was what was served to me a couple weeks   12:15   14 14 ago.   12:15   15 15 Q. And it's the subpoena to testify at today's   12:15   16 16 deposition; is that correct?   12:15   17 17 A. Yes.   12:15   18 18 Q. The document contains a number of   12:15   19 19 attachments, and I'd like to ask you some questions   12:15   19 19 attachments, and I'd like to ask you some questions   12:15   19 12 12 A. Okay.   12:15   12:16   12:16   12:16   12:16   12:16   12:19   12:10   12:	4		5	Q. Did you review the documents that were 12:17
7 7 BY MR. NERCESSIAN:         12:14           8 8 Q. Please take a moment to look at the         12:15           9 9 document, and, Ms. Marvelli, do you recognize this         12:15           10 10 document?         12:15           11 11 A. Yes.         12:15           12 12 Q. What is it?         12:15           13 13 A. It was what was served to me a couple weeks         12:15           14 14 ago.         12:15           15 15 Q. And it's the subpoena to testify at today's         12:15           16 16 deposition; is that correct?         12:15           17 17 A. Yes.         12:15           18 18 Q. The document contains a number of 19 pa attachments, and I'd like to ask you some questions         12:15           19 19 attachments, and I'd like to ask you some questions of them.         12:15           21 21 A. Okay.         12:15           21 22 Q. So if we could go to Attachment A. Do you         12:15           23 23 recognize this document?         12:16    12:15  12:19  13 that I understand was part of that production.  12:18  14 to Ribit I understand was part of that production.  12:18  15 (Exhibit 6 marked)  12:19  16 (Exhibit 6 marked)  12:19  17 Q. Vou've been passed a document marked for 12:19  18 to review this document. Have you seen this document before.  12:19  16 A. I've not seen this document before.  12:19  17 Q. Do you see the date at the bottom of the 12:19  18 page that reads 12-16-2016?  19 A. Yes.  12:19  10 A. A seri	5		6	provided pursuant to this request? 12:17
8 8 Q. Please take a moment to look at the 9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document? 12:15 11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 19 19 Q. So if we could go to Attachment A. Do you 12:15 12:16 12		· · · · · · · · · · · · · · · · · · ·	7	A. Yes. 12:17
9 9 document, and, Ms. Marvelli, do you recognize this 12:15 10 10 document?			8	Q. I have a document I'd like to show you now 12:17
10 10 document?		~	9	that I understand was part of that production. 12:18
11 11 A. Yes. 12:15 12 12 Q. What is it? 12:15 13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  11 BY MR. NERCESSIAN: 12:19 12 Q. You've been passed a document marked for 12:19 13 identification as Exhibit 6. You can take a moment 12:19 14 to review this document. Have you seen this document 12:19 15 before? 12:19 16 A. I've not seen this document before. 12:19 17 Q. Do you see the date at the bottom of the 12:19 18 page that reads 12-16-2016? 12:19 20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20			10	(Exhibit 6 marked) 12:19
12 12 Q. What is it?  13 13 A. It was what was served to me a couple weeks 12:15  14 14 ago.  15 15 Q. And it's the subpoena to testify at today's 12:15  16 16 deposition; is that correct?  17 17 A. Yes.  18 18 Q. The document contains a number of 12:15  19 19 attachments, and I'd like to ask you some questions 12:15  20 20 about some of them.  12:15  12:15  13 identification as Exhibit 6. You can take a moment 12:19  14 to review this document. Have you seen this document 12:19  16 A. I've not seen this document before.  12:19  16 A. I've not seen this document before.  12:19  17 Q. Do you see the date at the bottom of the 12:19  18 page that reads 12-16-2016?  19 A. Yes.  12:19  20 Q. What does the document appear to be?  12:19  21 A. A series of emails.  12:19  22 Q. Emails from who?  12:20  23 A. Looks like some of them are CBSC staff.  12:20			11	BY MR. NERCESSIAN: 12:19
13 13 A. It was what was served to me a couple weeks 12:15 14 14 ago. 12:15 15 Q. And it's the subpoena to testify at today's 12:15 16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  13 identification as Exhibit 6. You can take a moment 12:19 14 to review this document. Have you seen this document 12:19 15 before? 12:19 16 A. I've not seen this document before. 12:19 17 Q. Do you see the date at the bottom of the 12:19 18 page that reads 12-16-2016? 12:19 20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20			12	Q. You've been passed a document marked for 12:19
14 14 ago.       12:15         15 15 Q. And it's the subpoena to testify at today's 12:15       12:15         16 16 deposition; is that correct?       12:15         17 17 A. Yes.       12:15         18 18 Q. The document contains a number of 19 public attachments, and I'd like to ask you some questions 12:15       12:15         19 19 attachments, and I'd like to ask you some questions 12:15       12:15         20 20 about some of them.       12:15         21 21 A. Okay.       12:15         22 22 Q. So if we could go to Attachment A. Do you 12:15       22 Q. Emails from who?       12:20         23 23 recognize this document?       12:16       14 to review this document. Have you seen this document 12:19         15 before?       12:19         16 A. I've not seen this document before.       12:19         17 Q. Do you see the date at the bottom of the 12:19         18 page that reads 12-16-2016?       12:19         20 Q. What does the document appear to be?       12:19         21 A. A series of emails.       12:19         22 Q. Emails from who?       12:20         23 A. Looks like some of them are CBSC staff.       12:20		`	13	identification as Exhibit 6. You can take a moment 12:19
14 14 ago.       12:15         15 15 Q. And it's the subpoena to testify at today's 12:15       15 before?       12:19         16 16 deposition; is that correct?       12:15       16 A. I've not seen this document before.       12:19         17 17 A. Yes.       12:15       17 Q. Do you see the date at the bottom of the 12:19         18 18 Q. The document contains a number of 19 public attachments, and I'd like to ask you some questions 12:15       18 page that reads 12-16-2016?       12:19         19 A. Yes.       12:19         20 20 about some of them.       12:15       20 Q. What does the document appear to be?       12:19         21 A. Okay.       12:15       21 A. A series of emails.       12:19         22 22 Q. So if we could go to Attachment A. Do you 12:15       22 Q. Emails from who?       12:20         23 A. Looks like some of them are CBSC staff.       12:20		•	14	to review this document. Have you seen this document 12:19
16 16 deposition; is that correct? 12:15 17 17 A. Yes. 12:15 18 18 Q. The document contains a number of 12:15 19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  16 A. I've not seen this document before. 12:19 17 Q. Do you see the date at the bottom of the 12:19 18 page that reads 12-16-2016? 12:19 20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20		-		•
16   16   deposition; is that correct?				
18 18 Q. The document contains a number of       12:15         19 19 attachments, and I'd like to ask you some questions       12:15         20 20 about some of them.       12:15         21 21 A. Okay.       12:15         22 22 Q. So if we could go to Attachment A. Do you       12:15         23 23 recognize this document?       12:16            18 page that reads 12-16-2016?       12:19         19 A. Yes.       12:19         20 Q. What does the document appear to be?       12:19         21 A. A series of emails.       12:19         22 Q. Emails from who?       12:20         23 A. Looks like some of them are CBSC staff.       12:20		1		
19 19 attachments, and I'd like to ask you some questions 12:15 20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  19 A. Yes. 12:19 20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20				•
20 20 about some of them. 12:15 21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16  20 Q. What does the document appear to be? 12:19 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20				
21 21 A. Okay. 12:15 22 22 Q. So if we could go to Attachment A. Do you 12:15 23 23 recognize this document? 12:16 21 A. A series of emails. 12:19 22 Q. Emails from who? 12:20 23 A. Looks like some of them are CBSC staff. 12:20				
22 22 Q. So if we could go to Attachment A. Do you 12:15 22 Q. Emails from who? 12:20 23 23 recognize this document? 12:16 22 A. Looks like some of them are CBSC staff. 12:20				**
23 23 recognize this document? 12:16 23 A. Looks like some of them are CBSC staff. 12:20		•		
		· · · · · · · · · · · · · · · · · · ·		~
174 74 A YES 1716 174 U. WDCD UBSU SBILL		C		
25 25 Q. What is this document? 12:16 Page 83 25 A. So there's Pam Maeda, Mike Nearman. 12:20 Page 83	25		25	A. So there's Pam Maeda, Mike Nearman. 12:20 Page 85
1 48		1 age 03		1 age 65

22 (Pages 82 - 85)

1 Q. And before we move on, what role does Pam 12:20	1 Q. I want to call your attention to the first 12:23
2 Maeda have at CBSC? 12:20	2 sentence within the body. 12:23
3 A. At the time, in 2016, she was either an 12:20	3 A. Okay. 12:23
4 issue I believe she was an office technician. 12:20	4 Q. That says "In our future response to 12:23
5 Q. And Michael Nearman? 12:20	5 Mr. Malamud, please keep this info. It may be 12:23
6 A. Deputy executive director. 12:20	6 useful." Do you see that? 12:23
7 Q. Do you have any reason to believe that these 12:20	7 A. Yes. 12:23
8 documents were not produced by CBSC in response to 12:21	8 Q. Do you recall why the information reflected 12:23
9 the public records request, Public.Resource? 12:21	9 in this document may be useful? 12:23
10 MR. FEE: Objection. Calls for speculation. 12:21	10 A. No. I haven't read this in two years, so, 12:24
11 THE WITNESS: I don't know because I don't 12:21	11 no, I don't recall. 12:24
12 have a copy of what we responded to in our PRA. Are 12:21	12 Q. I want to call your attention to this 12:24
13 you stating that this is the PRA request that we sent 12:21	13 further down on the document, there's a heading that 12:24
14 back to them? I have no way to know that. 12:21	14 reads "Caution Regarding Official Code." Do you see 12:24
15 BY MR. NERCESSIAN: 12:21	15 that? 12:24
16 Q. What information would you need to know 12:21	16 A. Yes. 12:24
17 that? 12:21	17 Q. And that caution includes information about 12:24
18 A. Well, I would want to look at what we 12:21	18 a Government Code section. 12:24
19 responded to the PRA from our office. That wasn't 12:21	19 A. Uh-huh. 12:24
20 included in the documents that you provided me in the 12:21	20 Q. Do you see that? 12:24
21 subpoena. 12:21	21 A. Uh-huh. Yes. Sorry. 12:24
22 Q. Yes. These were other well, strike that. 12:21	22 Q. What does the relevant section of the code 12:24
23 The subpoena did not include the full 12:22	23 cited here require? 12:24
24 universe of documents that strike that. 12:22	24 MR. FEE: Objection. Calls for a legal 12:24
Did the subpoena attach the full universe of 12:22	25 conclusion. 12:24
Page 86	Page 88
1 documents that CBSC provided in response to the 12:2:	1 THE WITNESS: Yeah. I would just offer what 12:24
	- I
2 public records request from Public.Resource? 12:22	2 it states here. 12:24
2 public records request from Public.Resource? 12:22 3 A. No. 12:22	2 it states here. 12:24 3 BY MR. NERCESSIAN: 12:25
	3 BY MR. NERCESSIAN: 12:25
3 A. No. 12:22	3 BY MR. NERCESSIAN: 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:2	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:2 5 the public records request from Public.Resource? 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:2 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:2 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:2 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23 18 Q. Do you recognize this document? 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23 18 Q. Do you recognize this document? 12:23 19 A. Yes. 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25 19 entire California Code of Regulations including 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: Exhibit 6, correct. 12:23 18 Q. Do you recognize this document? 12:23 19 A. Yes. 12:23 20 Q. And what is this document? 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25 19 entire California Code of Regulations including 12:25 20 Title 24? 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23 18 Q. Do you recognize this document? 12:23 19 A. Yes. 12:23 20 Q. And what is this document? 12:23 21 A. It's an email from me to Alex and Michael 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25 19 entire California Code of Regulations including 12:25 20 Title 24? 12:25 21 A. The Office of Administrative Law links to 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23 18 Q. Do you recognize this document? 12:23 19 A. Yes. 12:23 20 Q. And what is this document? 12:23 21 A. It's an email from me to Alex and Michael 12:23 22 Nearman back in 2016. 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25 19 entire California Code of Regulations including 12:25 20 Title 24? 12:25 21 A. The Office of Administrative Law links to 12:25 22 our website for Title 24. 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23 18 Q. Do you recognize this document? 12:23 19 A. Yes. 12:23 20 Q. And what is this document? 12:23 21 A. It's an email from me to Alex and Michael 12:23 22 Nearman back in 2016. 12:23 23 Q. And what prompted you to write this 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25 19 entire California Code of Regulations including 12:25 20 Title 24? 12:25 21 A. The Office of Administrative Law links to 12:25 22 our website for Title 24. 12:25 23 Q. Does the Office of Administrative Law 12:25
3 A. No. 12:22 4 Q. Did CBSC produce documents in response to 12:25 5 the public records request from Public.Resource? 12:22 6 A. Yes. 12:22 7 Q. Did those documents include internal emails 12:22 8 from CBSC staff? 12:22 9 A. I don't know. 12:22 10 Q. Did you review the documents that CBSC 12:22 11 produced in response to this public records request? 12:22 12 A. No. 12:22 13 Q. I'd like to call your attention to the last 12:22 14 page of this compilation document. 12:23 15 MR. YEN: Exhibit 6? 12:23 16 MR. NERCESSIAN: Exhibit 6, correct. 12:23 17 BY MR. NERCESSIAN: 12:23 18 Q. Do you recognize this document? 12:23 19 A. Yes. 12:23 20 Q. And what is this document? 12:23 21 A. It's an email from me to Alex and Michael 12:23 22 Nearman back in 2016. 12:23 23 Q. And what prompted you to write this 12:23 24 document? 12:23	3 BY MR. NERCESSIAN: 12:25 2 4 Q. And what is that? 12:25 5 A. It appears to state "Government Code 12:25 6 Section 11344 requires the" "OLA" is the 12:25 7 abbreviation for the Office of Administrative Law 12:25 8 "to provide for the official compilation, printing 12:25 9 and publication of State regulations in the 12:25 10 California Code of Regulations." 12:25 11 Q. Now we've been discussing Title 24. 12:25 12 A. Uh-huh. 12:25 13 Q. And is Title 24 part of the Code of 12:25 14 Regulations? 12:25 15 A. It's the 24th title in the California Code 12:25 16 of Regulations, yes. 12:25 17 Q. Is it your understanding that the Office of 12:25 18 Administrative Law provides a compilation of the 12:25 19 entire California Code of Regulations including 12:25 20 Title 24? 12:25 21 A. The Office of Administrative Law links to 12:25 22 our website for Title 24. 12:25 23 Q. Does the Office of Administrative Law 12:25 24 provide access to the other titles within the 12:26

23 (Pages 86 - 89)

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1 MR. FEE: Objection to form. 12:26	1 publisher and let them know that the link is broken, 12:29
2 THE WITNESS: I don't know. 12:26	2 and then we have it fixed. 12:29
3 BY MR. NERCESSIAN: 12:26	3 BY MR. NERCESSIAN: 12:29
4 Q. Are you aware of whether Title 24 of the 12:26	4 Q. Because it's the publisher that furnishes 12:29
5 California Code of Regulations is treated any 12:26	5 the text of the California Electrical Code to people 12:29
6 differently than other titles within the California 12:26	6 seeking to access it online; correct? 12:29
7 Code of Regulations? 12:26	7 A. The link is provided through our website to 12:29
8 MS. MILLER-ZIEGLER: Objection to form. 12:26	8 the publisher. 12:29
9 THE WITNESS: I just know that it points to 12:26	9 Q. Any other difficulties that you have been 12:29
10 our website, the CBSC website. 12:26	10 aware of at the CBSC in gaining access to the 12:29
11 BY MR. NERCESSIAN: 12:26	11 California Electrical Code? 12:29
12 Q. Do any of the other titles of the California 12:26	12 MS. MILLER-ZIEGLER: Objection. 12:29
13 Code of Regulations point to the CBSC website? 12:26	13 Mischaracterizes her testimony. 12:29
MR. YEN: Objection. Calls for speculation. 12:26	14 THE WITNESS: No. 12:29
15 THE WITNESS: Yeah. I don't know. 12:26	15 BY MR. NERCESSIAN: 12:29
16 BY MR. NERCESSIAN: 12:26	16 Q. In situations where in the cases 12:30
17 Q. Are you aware of any other titles that point 12:26	17 strike that. 12:30
18 to the CBSC website? 12:26	18 In those cases where you've received calls 12:30
19 A. I don't know. 12:27	19 with problems accessing the code, who was it that had 12:30
20 Q. So you're not aware of any other titles of 12:27	20 the issue? 12:30
21 the California Code of Regulations that point to the 12:27	21 A. I don't know. I don't recall. 12:30
22 CBSC website? 12:27	22 Q. Was it BSC staff? 12:30
23 A. I don't have any knowledge of that. I don't 12:27	23 A. I don't recall. 12:30
24 know. 12:27	24 Q. Would it have been members of the public? 12:30
25 Q. Are you aware of any issues persons seeking 12:27	25 A. I don't recall. 12:30
Page 90	Page 92
1 to read the code have encountered in accessing the 12:27	1 Q. So is it your testimony there strike 12:30
2 California Electrical Code? 12:27	2 that. 12:30
3 MR. FEE: Objection. Calls for speculation. 12:27	3 So is it your testimony that strike that. 12:30
4 MS. MILLER-ZIEGLER: Vague. 12:27	4 Like to refer you to the first page of this 12:30
5 THE WITNESS: You'll have to repeat the 12:28	5 compilation document. So we discussed previously 12:31
6 question. I'm sorry. 12:28	6 this exchange between Pam Maeda and Mike Nearman. Do 12:31
7 BY MR. NERCESSIAN: 12:28	7 you recall that? 12:31
8 Q. Okay. I can rephrase. 12:28	8 A. Yes. 12:31
9 A. Uh-huh. 12:28	9 Q. And do you see there's this first paragraph 12:31
10 Q. Has the CBSC ever been informed of issues 12:28	10 that reads "Just received a phone call from Suren 12:31
11 persons seeking to read the California Electrical 12:28	11 at," and it provides a phone number, "and he tried to 12:31
12 Code have encountered in accessing the code? 12:28	12 view the code on the BSC website, and it came up with 12:31
13 MS. MILLER-ZIEGLER: Objection. Calls for 12:28	13 the ICC page wanting him to pay for the premium 12:31
14 speculation. 12:28	14 access in order to view the code"? Do you see that 12:31
15 MR. FEE: Objection to form. 12:28	15 paragraph? 12:32
16 THE WITNESS: We've received calls where the 12:28	16 A. Uh-huh. 12:32
17 code might not be online, and we notify the publisher 12:28	17 Q. Here, the reference it makes to Part 2.5, do 12:32
18 to put it online if there's a link that's broken. 12:28	18 you understand that to mean Part 2.5 of Title 24? 12:32
19 BY MR. NERCESSIAN: 12:28	19 A. Yes. 12:32
20 Q. And in those situations, does the CBSC have 12:29	20 Q. And Part 2.5 is the residential code? 12:32
21 any ability to itself fix the access issue with the 12:29	21 A. That's the California Residential Code, yes. 12:32
22 broken link? 12:29	22 Q. And who is the publisher for the California 12:32
23 A. No. 12:29	23 Residential Code? 12:32
24 MR. FEE: Objection to form. 12:29	24 A. The International Code Council. 12:32
,	12.02
25 THE WITNESS: We sorry. We contact the 12:29	25 O. And that's the ICC you referred to in this 12:32
25 THE WITNESS: We sorry. We contact the 12:29 Page 91	25 Q. And that's the ICC you referred to in this 12:32 Page 93

24 (Pages 90 - 93)

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	ia Residential Code from the ICC website? 12:35
2 A. Yes. 12:32 2 MR	2. FEE: Objection. Calls for speculation. 12:35
3 Q. Have you been aware of any instances 12:32 3 THI	E WITNESS: I don't I can't answer the 12:35
4 strike that. 12:32 4 question	the way you're asking it. That's the 12:35
5 Are you aware of any instances where CBSC 12:32 5 difficulty	y. 12:36
6 has received word from a member of the public that a 12:32 6 BY MR.	NERCESSIAN: 12:36
7 publisher required that person to pay for premium 12:32 7 Q. So	what's the nature of the difficulty? 12:36
8 access to view the code? 12:33 8 Maybe I	can clarify. 12:36
9 MR. FEE: Objection. To the extent it 12:33 9 A. Wo	ell, to view the California codes, you can 12:36
10 purports to characterize this document, 12:33 10 access th	ne codes via our website, which points to ICC 12:36
11 mischaracterizes it. 12:33 11 similarly	to how we just discussed the BNi or the 12:36
12 THE WITNESS: I think it's taken out of 12:33 12 NFPA, so	to that's how you can view the codes online. 12:36
	ant to purchase the codes, you have other 12:36
14 accurate. 12:33 14 access to	-
15 BY MR. NERCESSIAN: 12:33 15 Q. Bu	at if you want to view the codes, do you 12:36
	nether they're strike that. 12:36
	ort of purchasing the codes, do you know 12:36
	a person can receive strike that. 12:36
	ort of purchasing the codes, do you know 12:36
	a person can search the California 12:36
	tial Code on the ICC website? 12:37
	2. FEE: Objection. Calls for speculation. 12:37
	E WITNESS: I don't know. 12:37
	NERCESSIAN: 12:37
25 THE WITNESS: No. 12:34 25 Q. Ha	ave you viewed the California Residential 12:37 Page 96
	8
1 BY MR. NERCESSIAN: 12:34 1 Code on	the ICC website? 12:37
2 Q. Are you aware of anybody in strike that. 12:34 2 A. Ye	
	ave you tried to print the California 12:37
4 team at CBSC receiving reports from people seeking to 12:34 4 Resident	tial Code from the ICC website? 12:37
5 access the code that they met a demand to pay for 12:34 5 A. No	D. 12:37
6 premium access to view the code? 12:34 6 Q. Do	you know whether one can print the 12:37
7 MR. FEE: Objection to form. 12:34 7 Californi	ia Residential Code from the ICC website? 12:37
8 THE WITNESS: I don't know. 12:34 8 MR	A. FEE: Objection. Calls for speculation. 12:37
9 BY MR. NERCESSIAN: 12:34 9 THI	E WITNESS: I don't know. 12:37
10 Q. Are you aware of whether the ICC web 12:34 10 BY MR.	NERCESSIAN: 12:37
11 page requires premium access in order to view the 12:34 11 Q. Ha	ave you tried to search the California 12:37
12 California Residential Code? 12:35 12 Resident	tial Code from the ICC website? 12:37
13 A. It does not. 12:35 13 A. No	D. 12:37
14 Q. Are you aware of whether the ICC website 12:35 14 Q. Do	you know whether one can search the 12:37
	ia Residential Code from the ICC website? 12:37
1	t. FEE: Objection. Calls for speculation. 12:37
	E WITNESS: I don't know. 12:37
	NERCESSIAN: 12:37
	ave you tried to extract tests from the 12:37
	ia Residential Code from the ICC website? 12:37
21 THE WITNESS: Not aware. 12:35 21 A. No	
1.77 BY IVIK, NEKUESSIAN: 1735 177 U. UK	o you know whether one can extract text 12.38
	o you know whether one can extract text 12:38 California Residential Code from the ICC 12:38
23 Q. One way or another? 12:35 23 from the	California Residential Code from the ICC 12:38
23 Q. One way or another? 12:35 23 from the 24 A. No. 12:35 24 website?	California Residential Code from the ICC 12:38
23 Q. One way or another? 12:35 23 from the 24 A. No. 12:35 24 website?	California Residential Code from the ICC 12:38

1 THE WITNESS: I don't know. 12:38	1 O. When did it do so? 12:41
2 BY MR. NERCESSIAN: 12:38	2 A. I don't have the specific dates. 12:41
3 Q. Other than viewing the California 12:38	3 Q. What do you recall of that instance? 12:41
4 Residential Code from the ICC website, have you taken 12:38	4 MR. FEE: Objection to form. 12:41
5 any other actions with respect to the California 12:38	5 THE WITNESS: It was a sorry. Okay? 12:41
6 Residential Code on the ICC website? 12:38	6 BY MR. NERCESSIAN: 12:41
7 MS. MILLER-ZIEGLER: Objection. Vague. 12:38	7 O. Okay. 12:41
8 THE WITNESS: Yeah. I'm not sure what 12:38	8 A. It was displayed on our website, and when 12:41
9 you're asking. 12:38	9 staff realized that that version was displayed on our 12:41
10 BY MR. NERCESSIAN: 12:38	10 website, we removed it and posted the appropriate 12:41
11 Q. Have you done anything other than view the 12:38	11 link to the California Electrical Code, the 2016 12:41
12 code strike that. 12:38	12 edition. 12:42
With respect to the California Residential 12:38	13 Q. And the link it was replaced with was this 12:42
14 Code on the ICC website okay. Strike that. 12:38	14 nfpa.org URL; is that correct? 12:42
15 A. Which one? 12:39	MS. MILLER-ZIEGLER: Objection to form. 12:42
16 Q. We're just starting with a blank slate. 12:39	16 THE WITNESS: I 12:42
17 A. Great. 12:39	17 BY MR. NERCESSIAN: 12:42
18 Q. All right. With respect to the California 12:39	18 Q. You don't know one way or 12:42
19 Residential Code that appears on the ICC website, 12:39	19 A. I don't know. Yeah. Was a long time ago. 12:42
20 have you done anything other than view that code? 12:39	20 Q. Why did the Building Standards Commission 12:42
21 A. No. 12:39	21 make the decision to place a searchable PDF file of 12:42
MS. MILLER-ZIEGLER: Objection. Vague. 12:39	22 the California Electrical Code 2016 edition on its 12:42
23 BY MR. NERCESSIAN: 12:39	23 website? 12:42
Q. I'd like to go back to another attachment of 12:39	24 MS. MILLER-ZIEGLER: Objection. Calls for 12:42
25 Exhibit 5, and this is Attachment B, and I just have 12:39	25 speculation. 12:42
Page 98	Page 10
1 a few preliminary questions, and then we can go on 12:39	1 THE WITNESS: It was a mistake by staff. 12:42
2 our lunch break. 12:40	2 BY MR. NERCESSIAN: 12:42
3 All right. So do you recognize this 12:40	3 Q. How did the Building Standards Commission 12:42
4 document, Attachment B? 12:40	4 obtain a searchable PDF file of the California 12:42
5 A. Yes. 12:40	5 Electrical Code? 12:43
6 Q. And what is this document? 12:40	6 MS. MILLER-ZIEGLER: Objection to form. 12:43
7 A. It appears to be another PRA request dated 12:40	7 THE WITNESS: We have a contract with NFPA 12:43
8 December 9th, 2016. 12:40	8 and BNi, and we receive a searchable version for 12:43
0 0 4 11	
9 Q. And do you see that the second to last 12:40	9 staff only for the production of the next edition of 12:43
10 sentence of the first paragraph reads "On or around 12:40	10 the code. 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40	10 the code. 12:43 11 BY MR. NERCESSIAN: 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40	10 the code. 12:43 11 BY MR. NERCESSIAN: 12:43 12 Q. Do you know why the BSC does not keep the 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40	10 the code. 12:43 11 BY MR. NERCESSIAN: 12:43 12 Q. Do you know why the BSC does not keep the 12:43 13 text of the California Electrical Code on its own 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41	10 the code. 12:43 11 BY MR. NERCESSIAN: 12:43 12 Q. Do you know why the BSC does not keep the 12:43 13 text of the California Electrical Code on its own 12:43 14 website? 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41	10 the code. 12:43  11 BY MR. NERCESSIAN: 12:43  12 Q. Do you know why the BSC does not keep the 12:43  13 text of the California Electrical Code on its own 12:43  14 website? 12:43  15 MR. YEN: Objection. Calls for speculation. 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41	10 the code. 12:43 11 BY MR. NERCESSIAN: 12:43 12 Q. Do you know why the BSC does not keep the 12:43 13 text of the California Electrical Code on its own 12:43 14 website? 12:43 15 MR. YEN: Objection. Calls for speculation. 12:43 16 THE WITNESS: I don't know. 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41 17 Q. Is that sentence accurate? 12:41	10 the code. 12:43  11 BY MR. NERCESSIAN: 12:43  12 Q. Do you know why the BSC does not keep the 12:43  13 text of the California Electrical Code on its own 12:43  14 website? 12:43  15 MR. YEN: Objection. Calls for speculation. 12:43  16 THE WITNESS: I don't know. 12:43  17 BY MR. NERCESSIAN: 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41 17 Q. Is that sentence accurate? 12:41 18 MR. FEE: Objection. Calls for speculation. 12:41	10 the code. 12:43 11 BY MR. NERCESSIAN: 12:43 12 Q. Do you know why the BSC does not keep the 12:43 13 text of the California Electrical Code on its own 12:43 14 website? 12:43 15 MR. YEN: Objection. Calls for speculation. 12:43 16 THE WITNESS: I don't know. 12:43 17 BY MR. NERCESSIAN: 12:43 18 Q. So you have no idea why the Building 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41 17 Q. Is that sentence accurate? 12:41 18 MR. FEE: Objection. Calls for speculation. 12:41 19 THE WITNESS: It was a long time ago, so I 12:41	10 the code. 12:43  11 BY MR. NERCESSIAN: 12:43  12 Q. Do you know why the BSC does not keep the 12:43  13 text of the California Electrical Code on its own 12:43  14 website? 12:43  15 MR. YEN: Objection. Calls for speculation. 12:43  16 THE WITNESS: I don't know. 12:43  17 BY MR. NERCESSIAN: 12:43  18 Q. So you have no idea why the Building 12:43  19 Standards Commission does not itself keep the text of 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41 17 Q. Is that sentence accurate? 12:41 18 MR. FEE: Objection. Calls for speculation. 12:41 19 THE WITNESS: It was a long time ago, so I 12:41 20 don't recall the specifics. 12:41	10 the code. 12:43  11 BY MR. NERCESSIAN: 12:43  12 Q. Do you know why the BSC does not keep the 12:43  13 text of the California Electrical Code on its own 12:43  14 website? 12:43  15 MR. YEN: Objection. Calls for speculation. 12:43  16 THE WITNESS: I don't know. 12:43  17 BY MR. NERCESSIAN: 12:43  18 Q. So you have no idea why the Building 12:43  19 Standards Commission does not itself keep the text of 12:43  20 the California Electrical Code on its website? 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41 17 Q. Is that sentence accurate? 12:41 18 MR. FEE: Objection. Calls for speculation. 12:41 19 THE WITNESS: It was a long time ago, so I 12:41 20 don't recall the specifics. 12:41 21 BY MR. NERCESSIAN: 12:41	10 the code. 12:43  11 BY MR. NERCESSIAN: 12:43  12 Q. Do you know why the BSC does not keep the 12:43  13 text of the California Electrical Code on its own 12:43  14 website? 12:43  15 MR. YEN: Objection. Calls for speculation. 12:43  16 THE WITNESS: I don't know. 12:43  17 BY MR. NERCESSIAN: 12:43  18 Q. So you have no idea why the Building 12:43  19 Standards Commission does not itself keep the text of 12:43  20 the California Electrical Code on its website? 12:43  21 MS. MILLER-ZIEGLER: Objection. Form. 12:43
10 sentence of the first paragraph reads "On or around 12:40 11 October 27th and until on or around November 7th, the 12:40 12 Building Standards Commission displayed on its 12:40 13 website a searchable PDF file of the California 12:40 14 Electric Code 2016 triennial edition"? Do you see 12:41 15 that sentence? 12:41 16 A. Yes. 12:41 17 Q. Is that sentence accurate? 12:41 18 MR. FEE: Objection. Calls for speculation. 12:41 19 THE WITNESS: It was a long time ago, so I 12:41 20 don't recall the specifics. 12:41	10 the code. 12:43  11 BY MR. NERCESSIAN: 12:43  12 Q. Do you know why the BSC does not keep the 12:43  13 text of the California Electrical Code on its own 12:43  14 website? 12:43  15 MR. YEN: Objection. Calls for speculation. 12:43  16 THE WITNESS: I don't know. 12:43  17 BY MR. NERCESSIAN: 12:43  18 Q. So you have no idea why the Building 12:43  19 Standards Commission does not itself keep the text of 12:43  20 the California Electrical Code on its website? 12:43

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12:44

12:44

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24 of the California Electrical Code on its website? 12:41

12:41

25 A. Yes.

24 on our website.

25 BY MR. NERCESSIAN:

1 Q. But the BSC itself has a text searchable 12:44	1 that? 01:47
2 version in the form of a PDF file of the California 12:44	2 MR. YEN: Objection. Mischaracterizes 01:47
3 Electrical Code; correct? 12:44	3 testimony. 01:47
4 A. Yes. 12:44	4 THE WITNESS: I recall a conversation about 01:47
5 Q. How does the BSC use that file? 12:44	5 the nine-point criteria, yes. 01:47
6 A. Internally for code development. 12:44	6 BY MR. NERCESSIAN: 01:47
7 Q. And what does that mean? 12:44	7 Q. I think that we have come across and what 01:47
8 A. We are able to clip copy information out if 12:44	8 are the criteria for? 01:47
9 we need to make amendments to the code during the 12:44	9 A. It's the criteria that the State agencies 01:48
10 code development process. 12:44	10 develop the building standards on they must be met 01:4
11 Q. And what is clip copy information? 12:44	11 in order for them well, I'm not articulating well. 01:48
12 A. If there's a specific section that 12:44	12 Sorry. It's in building standards law, and it must 01:48
13 California wants to amend or not California I 12:44	13 be met prior to the commission, bringing it to the 01:48
14 should say the Building Standards Commission, we can 12:44	14 commission for the commission to take action on. 01:4
15 copy that information and make our amendments to it. 12:45	15 Q. And do each of the State agencies apply the 01:48
16 Q. And just one more question, and then we can 12:45	16 same nine-point criteria? 01:48
17 take our lunch break. 12:45	17 A. Yes. 01:48
18 A. Uh-huh. 12:45	18 Q. I believe that we came across the nine-point 01:48
19 Q. You stated earlier that it's in BSC's 12:45	19 criteria over the break, and I'd just like to talk 01:48
20 contract that BSC are provided a link to the 12:45	20 through them and see if you could confirm the 01:48
21 publisher's website. What contract does that refer 12:45	21 accuracy of the findings. Is one of the criteria 01:48
22 to? 12:45	22 whether the proposed building standards do not 01:48
23 A. That's the contract that the Building 12:45	23 conflict with, overlap or duplicate other building 01:48
24 Standards Commission has with the publisher for the 12:45	24 standards? 01:48
25 code development. 12:45	25 A. That sounds accurate, yes. 01:48
Page 102	Page 104
1 1 Q. And is there a separate contract for each 12:45	1 Q. Is another one of the nine-point criteria 01:49
2 edition of the California Electrical Code that the 12:45	2 whether the proposed building standards are within 01:4
2 3 BSC develops? 12:45	3 the parameters established by enabling legislation 01:49
3 4 A. Yes. Every two years or four years, we 12:45	4 and are not expressly within the exclusive 01:49
4 5 enter into a new contract with the publishers. 12:45	5 jurisdiction of another agency? 01:49
5 6 Q. So does that contract prohibit California or 12:45	6 A. Yes. 01:49
6 7 the BSC from providing the text of the California 12:46	7 Q. Is another one of the criteria whether the 01:49
7 8 Electrical Code to the public on its website? 12:46	8 public interest requires the adoption of the building 01:49
8 9 MS. MILLER-ZIEGLER: Objection. Calls for a 12:46	9 standards? 01:49
9 10 legal conclusion. 12:46	10 A. I'm sorry, you'd have to repeat that one. 01:49
10 11 THE WITNESS: That, I don't know. 12:46	11 Q. Yes. 01:49
11 12 MR. YEN: Same objection. 12:46	12 A. I didn't hear it. I'm sorry. 01:49
12 13 MR. NERCESSIAN: All right. We can call it 12:46	13 Q. Is another of the nine-point criteria 01:49
13 14 lunch. 12:46	14 whether the public interest requires the adoption of 01:49
14 15 THE WITNESS: Okay. 12:46 15 16 VIDEO OPERATOR: Okay. We're off the 12:46	15 the building standards? 01:49
15 16 VIDEO OPERATOR: Okay. We're off the 12:46 16 12:46 17 record. It's .	16 A. It's in the best public interest, yes. 01:49
17 12:46	17 Q. Is another one of the criteria whether the 01:49
18 18 (Noon recess taken) 12:46	18 proposed building standards are not unreasonable, 01:49
19 19 VIDEO OPERATOR: We're back on the record. 01:47	19 arbitrary, unfair or capricious in whole or in part? 01:49
20 20 It's 1:47. 01:47	20 A. Yes. 01:49
21 21 BY MR. NERCESSIAN: 01:47	21 Q. Is another of the nine-point criteria 01:49
22 22 Q. So earlier in the day, we were discussing 01:47	22 whether the cost to the public is reasonable based on 01:50
23 23 the nine-point criteria analysis that CBSC and State 01:47	23 the overall benefit to be derived from the building 01:50
24 24 agencies used to determine whether to adopt the 01:47	24 standards? 01:50
25 25 language of a model code provision. Do you recall 01:47	25 A. Yes. 01:50
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1 Q. Is one of the criteria whether the proposed 01:50	1 A. That's kind of a broad question. 01:53
2 building standards are not unnecessarily vague or 01:50	2 Q. I can rephrase it. What was your role in 01:53
3 ambiguous in whole or in part? 01:50	3 negotiating this agreement? 01:53
4 A. Yes. 01:50	4 A. Reviewing the document. 01:53
5 Q. Is another of the criteria whether the 01:50	5 Q. Did you participate in the negotiations of 01:53
6 applicable national specifications, public standards 01:50	6 this agreement in any other way? 01:53
7 and model codes have been incorporated therein as 01:50	7 A. I don't know what you mean by "negotiation." 01:53
8 provided in this part where appropriate? 01:50	8 I reviewed the document. 01:53
9 A. Yes. 01:50	9 Q. Did you propose edits to the document? 01:53
10 Q. Is another of the criteria whether the 01:50	10 A. Yes, some. 01:54
11 format of the proposed building standards is 01:50	11 Q. Which ones? Strike that. 01:54
12 consistent with that adopted by the commission? 01:50	Which edits did you propose to the document? 01:54
13 A. Yes. 01:50	13 MR. YEN: Caution you not to reveal any 01:54
14 Q. Is another of the criteria whether the 01:50	14 communications you had with your attorney. 01:54
15 proposed building standards, if they promote fire and 01:50	15 THE WITNESS: Yeah. And, well, I can't 01:54
16 panic safety as determined by the State Fire Marshal, 01:51	16 recall because it was quite some time ago. 01:54
17 have the written approval of the State Fire Marshal? 01:51	17 BY MR. NERCESSIAN: 01:54
18 A. Yes. 01:51	18 Q. What is the maximum amount of this 01:54
19 Q. Can you think of any criteria other than 01:51	19 agreement? 01:54
20 these that I went through that comprise the 01:51	20 A. I don't know off the top of my head. It's a 01:54
21 nine-point criteria we were discussing previously? 01:51	21 zero dollar contract as far as I know. 01:54
22 A. I can't think of any others, no. 01:51	22 Q. And why is it a zero dollar contract? 01:54
23 Q. Do you recognize do any of the criteria 01:51	23 A. It's how we enter into a contract with the 01:54
24 apply to the adoption of the NEC into the CEC? 01:51	24 publishers. 01:54
25 MS. MILLER-ZIEGLER: Objection. Calls for a 01:51 Page 106	25 Q. What does it mean that it's a zero dollar 01:54 Page 108
1 legal conclusion. 01:51	1 contract? 01:54
2 THE WITNESS: I don't know. 01:51	2 MR. YEN: Objection. Calls for a legal 01:54
3 BY MR. NERCESSIAN: 01:51	3 conclusion. 01:54
4 Q. All right. So we were previously discussing 01:51	4 THE WITNESS: Thank you. 01:54
5 contracts that the California Building Standards 01:52	5 I'm sorry, I can't answer that. I don't 01:54
6 Commission has with various publishers; do you recall 01:52	6 know. 01:54
7 that? 01:52	7 BY MR. NERCESSIAN: 01:55
8 A. Yes. 01:52	8 Q. Does the contract itself state anywhere that 01:55
9 Q. Let's mark this exhibit next in order. I 01:52	9 it's a zero dollar contract? 01:55
10 believe we're at 7. 01:52	10 A. I don't know. The front page does. 01:55
11 (Exhibit 7 marked) 01:52	11 Q. And where is that? 01:55
12 BY MR. NERCESSIAN: 01:52	12 A. On item three. 01:55
13 Q. You have been handed Exhibit 7. Do you 01:52	13 Q. Like to call your attention to Section 4-A 01:55
14 recognize this document? 01:52	14 of the contract. 4-A of Exhibit A. My apologies. 01:55
15 A. Yes. 01:52	15 Do you see that section? 01:55
16 Q. And what is this document? 01:52	16 A. Is that about the third page in? 01:55
17 A. Appears to be a Standard Agreement between 01:52	17 Q. Yes. 01:55
18 the Division of excuse me Department of General 01:53	18 A. Okay. 01:55
19 Services, California Building Standards Commission, 01:53	19 Q. This provision reflects a license grant from 01:55
20 and NFPA, National Fire Protection Association. 01:53	20 NFPA to CBSC; is that correct? 01:55
21 Q. And here at the bottom of the page, there's 01:53	21 MR. YEN: Objection. Calls for a legal 01:56
22 a signature. Is that yours? 01:53	22 conclusion. 01:56
23 A. Yes. 01:53	23 THE WITNESS: I'd have to read the whole 01:56
24 Q. What do you recall about the negotiation of 01:53	24 thing. 01:56
25 this document? 01:53	25 BY MR. NERCESSIAN: 01:56
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28 (Pages 106 - 109)

1 Q. I'd like to just focus on the language that 01:56 2 states "NFPA hereby grants CBSC a nonexclusive, 01:56 3 nontransferrable sublicense to use and copy all or 01:56 4 any portion of the 2014 NEC, NFPA supplements and 01:56 5 revisions to the 2014 NEC (hereinafter referred to as 01:56 6 'licensed property'), solely to create and publish 01:56 7 the 2016 CEC." Do you see that language? 01:56 8 A. I see it. 01:56 9 Q. What do you understand that language to 01:56 10 allow CBSC to do? 01:56 11 MR. YEN: Objection. Calls for a legal 01:56 12 conclusion. 01:56 13 MS. MILLER-ZIEGLER: Objection. It's also 01:56 14 incomplete. You left out the rest of the sentence. 01:57 15 BY MR. NERCESSIAN: 01:59 16 Q. "Horeinefter" do you have any understanding of what this 01:50 11 G. C. "Horeinefter" do you have any understanding of what this 01:50 12 the 2016 CEI." Do you see that language? 01:56 13 MR. YEN: Objection. Calls for a legal 01:56 14 incomplete. You left out the rest of the sentence. 01:56 15 BY MR. NERCESSIAN: 01:59 16 (Part of the sentence) 01:56 17 THE WITNESS: Yeah. I'm not sure I follow 01:50 18 Was understanding of what this 01:50 19 Q. Do you have any understanding of what this 01:50 10 Understanding that we are allowed to utilize the most 01:50 11 the Contract allows the NFPA to do utilize the most 01:50 12 the 2016 California codes. 01:59 13 MR. YEN: Objection. Calls for a legal 01:59 14 conclusion. 01:59 15 THE WITNESS: Yeah. I'm not sure I follow 01:01:01:01:01:01:01:01:01:01:01:01:01:0	:59 9 :59
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8 A. I see it. 01:56 8 edition of the California codes. 01:59 9 Q. What do you understand that language to 01:56 9 BY MR. NERCESSIAN: 01:59 10 allow CBSC to do? 01:56 10 Q. And do you have any understanding of what 01:11 MR. YEN: Objection. Calls for a legal 01:56 11 the contract allows the NFPA to do with respect to 01:12 conclusion. 01:56 12 the 2016 California Electrical Code? 01:59 13 MS. MILLER-ZIEGLER: Objection. It's also 01:56 13 MR. YEN: Objection. Calls for a legal 01:59 14 incomplete. You left out the rest of the sentence. 01:56 14 conclusion. 01:59 15 BY MR. NERCESSIAN: 01:57 15 THE WITNESS: Yeah. I'm not sure I follow 01:	:59
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14 incomplete. You left out the rest of the sentence. 01:56 15 BY MR. NERCESSIAN: 01:57 16 Onclusion. 01:59 17 THE WITNESS: Yeah. I'm not sure I follow 01:	
15 BY MR. NERCESSIAN: 01:57 15 THE WITNESS: Yeah. I'm not sure I follow 01:	
16 O "Hawington" do you have any 01.57	.59
16 Q. "Hereinafter" do you have any 01:57 16 your question. 01:59	
17 understanding of what this language in the contract 01:57 17 BY MR. NERCESSIAN: 02:00	
18 means? 01:57 18 Q. So you have no understanding of what the 02:0	00
19 MR. YEN: Same objection. 01:57 19 contract allows the NFPA to do concerning the 2016 0.	2:00
20 MS. MILLER-ZIEGLER: Same objection as well. 01:57 20 California Electrical Code? 02:00	
21 THE WITNESS: Yeah. It was a long time ago, 01:57 21 MS. MILLER-ZIEGLER: Objection. That 02	2:00
22 so I don't recall. 01:57 22 mischaracterizes her testimony. 02:00	
23 BY MR. NERCESSIAN: 01:57 23 MR. YEN: Same objection and calls for a 02:00	)
24 Q. Do you have any understanding of what CBSC 01:57 24 legal conclusion. 02:00	
25 does to effectuate the commitments of this contract? 01:57 25 THE WITNESS: Yeah. I don't know. 02:00	
Page 110	Page 112
1 MR. YEN: Objection. Vague. 01:57 1 BY MR. NERCESSIAN: 02:00	
2 MS. MILLER-ZIEGLER: Calls for a legal 01:57 2 Q. Here on Section 5, paragraph two, I want to 02:00	0
3 conclusion. 01:57 3 call your attention to this sentence that reads 02:00	
4 THE WITNESS: Yeah. I'd have to review it. 01:57 4 "Special supplements for minor or inconsequential 02	:00
5 I don't know off the top of my head. 01:57 5 errors and/or changes shall be posted to the NFPA 02:	:00
6 BY MR. NERCESSIAN: 01:57 6 website and shall be provided to CBSC for posting on 0	2:00
7 Q. Why does CBSC negotiate these contracts for 01:57 7 CBSC's website in a read-only format." Do you see 02	2:00
8 each triennial edition of the code? 01:57 8 that language? 02:00	
9 MS. MILLER-ZIEGLER: Objection. Calls for a 01:57 9 A. I actually didn't follow where you're 02:00	
10 legal conclusion. 01:57 10 pointing to. 02:00	
11 THE WITNESS: In order to use the model code 01:57 11 Q. Section 5-A-2. And I can read the language 02:0	00
12 every two years.   12 again if it will help.   02:01	
13 BY MR. NERCESSIAN: 01:58 13 A. I see the language, yes. 02:01	
14 Q. And how does CBSC use the code every two 01:58 14 Q. To your knowledge, has the NFPA ever 02:0	)1
15 years pursuant to a contract like this? 01:58 15 provided to CBSC a special supplement for minor or 0	02:01
16 A. We use it per the building standards law to 01:58 16 inconsequential errors? 02:01	
17 adopt for the State agencies to review and adopt 01:58 17 A. I don't recall. 02:01	
18 the most recent model code on a triennial basis. 01:58 18 Q. To your knowledge, has CBSC ever posted in 02	2:01
19 Q. What is your understanding of what NFPA 01:58 19 read-only format on its website a special supplement 02	.:01
20 receives in return to allowing CBSC to use the model 01:58 20 for minor or inconsequential errors? 02:01	
21 code to create a triennial version of its code? 01:58 21 A. Yes. 02:01	
22 MR. YEN: Objection. Calls for a legal 01:58 22 Q. Under what circumstances? 02:01	
23 conclusion. 01:58 23 A. There are what's called an errata so if 02:02	
24 THE WITNESS: Yeah. I don't have an answer 01:58 24 there are minor or inconsequential changes to the 02:0	)2
25 for you on that one. 01:59 25 code that are nonregulatory, there are supplement 02:0	02 Page 113

29 (Pages 110 - 113)

1 pages I'm sorry there are errata pages 02:02	1 A. No. 02:05
2 provided, and those help the code user know that this 02:02	2 Q. And how does CBSC effectuate that agreement? 02:05
3 is a minor error in the code, and it's published on a 02:02	3 A. I'm not following the question. 02:05
4 different piece of paper, a color buff paper, and 02:02	4 Q. I can rephrase it. What steps does CBSC 02:06
5 that tells the code user there's, you know, like a 02:02	5 take, when developing the California Electrical Code, 02:06
6 numbering error or grammatical error. 02:02	6 to track whether language is adopted or not? 02:06
7 Q. What are other examples of minor or 02:02	7 MS. MILLER-ZIEGLER: Objection to form. 02:06
8 inconsequential errors that CBSC has corrected in the 02:02	8 THE WITNESS: Well, we spoke to the code 02:06
9 past? 02:02	9 adoption process earlier. So if a State agency 02:06
MS. MILLER-ZIEGLER: Objection to form. 02:02	10 doesn't adopt a specific section, it's shown in 02:06
11 THE WITNESS: That it might not be a CBSC 02:02	11 strikeout, and that information is forwarded to the 02:06
12 error, it might be it could be a model code error, 02:02	12 publisher, and then the publisher publishes it based 02:06
13 it could be a printing error, it could be yeah. 02:02	13 on the agreement that we have with them in the 02:06
14 BY MR. NERCESSIAN: 02:03	14 contract. 02:06
15 Q. Any other examples? 02:03	15 BY MR. NERCESSIAN: 02:06
16 A. Not that I can think of. 02:03	16 Q. When a State agency is considering whether 02:06
17 Q. And these errata are posted to the CBSC 02:03	17 to adopt a specific section of the model code, does 02:06
18 website itself? 02:03	18 it always start with the model code itself? 02:06
19 A. I couldn't tell you. I don't know if it's 02:03	19 MR. YEN: Objection. Calls for speculation. 02:07
20 from the NFPA website or the BNi website or our 02:03	20 THE WITNESS: I can't I don't have an 02:07
21 website. I don't know off the top of my head. 02:03	21 answer for you on that one. 02:07
22 Q. Where on the CBSC website does CBSC provide 02:03	22 BY MR. NERCESSIAN: 02:07
23 information about this errata? 02:03	23 Q. I want to call your attention to Section 6-G 02:07
24 MS. MILLER-ZIEGLER: Objection to form. 02:03	24 at the bottom of the page, and I just want to 02:07
25 THE WITNESS: On the codes page that you 02:03	25 highlight this language that states "NFPA and/or 02:07
Page 114	Page 116
1 referred to. 02:03	1 authorized agency and licensee shall thereafter 02:07
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03	2 publish and make available for sale to the State of 02:07
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04 9 the licensed property, be it chapters, sections, 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08 9 THE WITNESS: The Building Standards 02:08
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04 9 the licensed property, be it chapters, sections, 02:04 10 provisions, tables, appendices, reference, etc., 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08 9 THE WITNESS: The Building Standards 02:08 10 Commission can also purchase the code, if they so 02:08
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04 9 the licensed property, be it chapters, sections, 02:04 10 provisions, tables, appendices, reference, etc., 02:04 11 which CBSC or any authorized agency does not adopt as 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08 9 THE WITNESS: The Building Standards 02:08 10 Commission can also purchase the code, if they so 02:08 11 choose, as can other State agencies that need to use 02:08
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04 9 the licensed property, be it chapters, sections, 02:04 10 provisions, tables, appendices, reference, etc., 02:04 11 which CBSC or any authorized agency does not adopt as 02:04 12 part of Title 24, shall be shown with a strike 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08 9 THE WITNESS: The Building Standards 02:08 10 Commission can also purchase the code, if they so 02:08 11 choose, as can other State agencies that need to use 02:08 12 the electrical code if they so choose. 02:08
1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04 9 the licensed property, be it chapters, sections, 02:04 10 provisions, tables, appendices, reference, etc., 02:04 11 which CBSC or any authorized agency does not adopt as 02:04 12 part of Title 24, shall be shown with a strike 02:04 13 through the language in the code. NFPA will show 02:04	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08 9 THE WITNESS: The Building Standards 02:08 10 Commission can also purchase the code, if they so 02:08 11 choose, as can other State agencies that need to use 02:08 12 the electrical code if they so choose. 02:08 13 BY MR. NERCESSIAN: 02:08
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1 referred to. 02:03 2 BY MR. NERCESSIAN: 02:03 3 Q. The codes page that we previously 02:03 4 reviewed 02:03 5 A. Yes. 02:03 6 Q in this case? I want to call your 02:03 7 attention to Section 6-B of this contract, and do you 02:04 8 see this language which states "All those portions of 02:04 9 the licensed property, be it chapters, sections, 02:04 10 provisions, tables, appendices, reference, etc., 02:04 11 which CBSC or any authorized agency does not adopt as 02:04 12 part of Title 24, shall be shown with a strike 02:04 13 through the language in the code. NFPA will show 02:04 14 non-adoptive language in legislated (strike through) 02:04 15 text and will note as not adopted by the State on 02:05	2 publish and make available for sale to the State of 02:07 3 California." Do you see that language? 02:07 4 A. Yes. 02:07 5 Q. Is it accurate that the NFPA makes available 02:07 6 copies of the code for sale to the State of 02:07 7 California? 02:08 8 MS. MILLER-ZIEGLER: Objection. Form. 02:08 9 THE WITNESS: The Building Standards 02:08 10 Commission can also purchase the code, if they so 02:08 11 choose, as can other State agencies that need to use 02:08 12 the electrical code if they so choose. 02:08 13 BY MR. NERCESSIAN: 02:08 14 Q. So if a State agency needs to use the 02:08 15 California Electrical Code, they need to purchase the 02:08
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30 (Pages 114 - 117)

1 Q. Why might a State agency need to use a code 02:09	1 THE WITNESS: I did both. 02:11
2 such as the California Electrical Code? 02:09	2 BY MR. NERCESSIAN: 02:11
3 MR. YEN: Objection. Calls for speculation. 02:09	3 Q. And when accessing it online strike that. 02:11
4 MR. NERCESSIAN: I can rephrase. 02:09	4 A. Can I correct my last statement? 02:12
5 BY MR. NERCESSIAN: 02:09	5 Q. Sure. 02:12
6 Q. Are you aware of any reason why a State 02:09	6 A. I personally did not purchase the code. 02:12
7 agency might need to use a code such as the 02:09	7 Q. When you purchased the code, did you receive 02:12
8 California Electrical Code? 02:09	8 any additional access privileges online? 02:12
9 MS. MILLER-ZIEGLER: Objection. It's vague. 02:09	9 MS. MILLER-ZIEGLER: Objection. 02:12
10 THE WITNESS: When I worked at the 02:09	10 Mischaracterizes. 02:12
11 Department of General Services, in my architectural 02:09	11 THE WITNESS: I personally didn't access the 02:12
12 associate capacity, we had to use the codes to design 02:09	12 code. I mean I'm sorry. 02:12
13 and construct state buildings or leased facilities, 02:09	13 And I apologize. 02:12
14 and we would use the codes, and the Department of 02:09	14 MS. MILLER-ZIEGLER: Oh, no. That's all 02:12
15 General Services would purchase the codes for the 02:09	15 right. 02:12
16 staff members to use. 02:09	16 THE WITNESS: I personally didn't purchase 02:12
17 BY MR. NERCESSIAN: 02:09	17 the code. That's what I corrected in my earlier 02:12
18 Q. And is it possible to design and construct 02:09	18 statement. I apologize. 02:12
19 those State buildings or leased facilities without 02:09	19 BY MR. NERCESSIAN: 02:12
20 reviewing the code? 02:10	20 Q. Yes. Who did purchase the code? 02:12
21 MS. MILLER-ZIEGLER: Objection. Calls for 02:10	21 A. The company that I worked for. 02:12
22 speculation. 02:10	22 Q. And what was that? 02:12
23 THE WITNESS: Well, a licensed professional 02:10	23 A. It was Department of General Services. 02:12
24 would not do that because you have to follow the 02:10	Q. And with the department's purchase of the 02:12
25 code. It's possible not to purchase it. It's 02:10 Page 118	25 code, were there any additional online access 02:12 Page 120
1 possible to go online and use the code. 02:10	1 privileges that you received? 02:12
2 BY MR. NERCESSIAN: 02:10	2 MS. MILLER-ZIEGLER: Objection. It's vague. 02:12
3 Q. But a licensed professional working in an 02:10	3 THE WITNESS: I'm not aware that they 02:12
4 architectural capacity needs to consult the code 02:10	4 purchased an online access version. I review it 02:12
5 before they can design and construct a building? 02:10	5 online through what was available online. 02:12
6 MS. MILLER-ZIEGLER: Objection. Calls for 02:10	6 BY MR. NERCESSIAN: 02:13
7 speculation. 02:10	7 Q. To your knowledge, what local jurisdictions 02:13
8 BY MR. NERCESSIAN: 02:10	8 make the California Electrical Code available for 02:13
9 O. Is that true? 02:10	9 free? 02:13
10 A. I can't speak for all licensed 02:10	10 MR. YEN: Objection. Calls for speculation. 02:13
11 professionals. I can only speak for myself. 02:10	11 THE WITNESS: I don't know. 02:13
12 Q. In your experience as a licensed 02:10	12 BY MR. NERCESSIAN: 02:13
13 professional, you reviewed the code in designing and 02:10	
	13 O Your previous testimony stated that local 02:13
	13 Q. Your previous testimony stated that local 02:13
14 constructing the buildings you built? 02:10	14 jurisdictions also make available the code for free. 02:13
14 constructing the buildings you built? 02:10 15 A. Yes. 02:10	14 jurisdictions also make available the code for free. 02:13 15 Do you know of any? 02:13
14 constructing the buildings you built? 02:10 15 A. Yes. 02:10 16 Q. Why did General Services purchase the code 02:10	14 jurisdictions also make available the code for free. 02:13 15 Do you know of any? 02:13 16 A. I can't speak to any off the top of my head, 02:13
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14 constructing the buildings you built? 02:10 15 A. Yes. 02:10 16 Q. Why did General Services purchase the code 02:10 17 instead of seeing it online? 02:11 18 MS. MILLER-ZIEGLER: Objection. Calls for 02:11 19 speculation. 02:11 20 THE WITNESS: I can't answer that. I don't 02:11 21 know. 02:11 22 BY MR. NERCESSIAN: 02:11	14 jurisdictions also make available the code for free. 02:13 15 Do you know of any? 02:13 16 A. I can't speak to any off the top of my head, 02:13 17 but that is part of building standards law. 02:13 18 Q. Can you identify one? 02:13 19 A. I've personally not gone to a local 02:13 20 jurisdiction and asked for it, so I can't verify 02:14 21 that. 02:14 22 Q. Have you ever gone to a law library that 02:14
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1 the closest law library that would maintain a version 02:14	1 broad of a question for me to be able to answer. 02:17
2 of the code? 02:14	2 BY MR. NERCESSIAN: 02:17
3 A. I don't know. 02:14	3 Q. Can you name one significant effect that the 02:17
4 Q. When you say that local jurisdictions may 02:14	4 code has on the state's built environment and its 02:17
5 make available versions of the code for free, what 02:14	5 citizens? 02:17
6 types of jurisdictions are you referring to? 02:14	6 A. I would say fire issues. 02:17
7 MR. YEN: Objection. Mischaracterizes 02:14	7 Q. Because the code addresses fire issues? 02:17
8 previous testimony. 02:14	8 A. Correct. 02:18
9 BY MR. NERCESSIAN: 02:14	9 Q. Does the code address any other safety 02:18
10 Q. Do local I can rephrase it. 02:14	10 issues? 02:18
Do local jurisdictions include cities? 02:14	11 A. Yes. 02:18
12 A. My reference was to and this is a broad 02:15	12 Q. What's another safety issue that the code 02:18
13 statement because they're called different things in 02:15	13 addresses? 02:18
14 different local jurisdictions, would be a local 02:15	14 A. Structural, mechanical performance, 02:18
15 building department, if you will, but that could be a 02:15	15 accessibility, concrete strength. 02:18
16 broad statement. 02:15	16 Q. Anything else? 02:18
17 Q. Is that because a local building department 02:15	17 A. There's probably too many for I mean 02:18
18 might be for a county or a city or subdivision, and 02:15	18 that's all I can think of at the time. 02:18
19 it just depends? 02:15	19 Q. What do you mean by "fire issues"? 02:18
20 A. That's correct. 02:15	20 A. So fire safety issues, so egress of 02:18
21 Q. Are you aware whether any of those local 02:15	21 buildings, combustibility of products. 02:18
22 building departments get the code for free? 02:15	22 Q. With respect to egress of buildings, does 02:19
23 A. Not aware. I don't know. 02:15	23 the code require that certain types of buildings be 02:19
24 Q. Don't know one way or another? 02:15	24 built in certain ways with respect to means of exit? 02:19
25 A. I do not know. 02:15	25 MS. MILLER-ZIEGLER: Objection to form. 02:19
Page 122	Page 124
1 Q. Does CBSC take any steps to give those local 02:15	1 THE WITNESS: That's a very broad question. 02:19
2 building departments access to the code? 02:16	2 DVAD NED CECCIAN
2 building departments access to the code? 02.10	2 BY MR. NERCESSIAN: 02:19
3 A. I don't know what you mean by "access." We 02:16	2 BY MR. NERCESSIAN: 02:19 3 Q. Does the code contain any requirements with 02:19
3 A. I don't know what you mean by "access." We 02:16	3 Q. Does the code contain any requirements with 02:19
3 A. I don't know what you mean by "access." We 02:16 4 have the viewable format on our website. They can 02:16	<ul> <li>Q. Does the code contain any requirements with 02:19</li> <li>4 respect to egress of buildings? 02:19</li> </ul>
3 A. I don't know what you mean by "access." We 02:16 4 have the viewable format on our website. They can 02:16 5 view it like anyone else. 02:16	<ul> <li>Q. Does the code contain any requirements with 02:19</li> <li>4 respect to egress of buildings? 02:19</li> <li>A. Yes. 02:19</li> </ul>
3 A. I don't know what you mean by "access." We 02:16 4 have the viewable format on our website. They can 02:16 5 view it like anyone else. 02:16 6 Q. By clicking through on the links to the 02:16	<ul> <li>Q. Does the code contain any requirements with 02:19</li> <li>4 respect to egress of buildings? 02:19</li> <li>A. Yes. 02:19</li> <li>Q. What might be one example of such a 02:19</li> </ul>
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3 A. I don't know what you mean by "access." We 02:16 4 have the viewable format on our website. They can 02:16 5 view it like anyone else. 02:16 6 Q. By clicking through on the links to the 02:16 7 publishers' websites? 02:16 8 A. Correct. Uh-huh. 02:16 9 Q. I want to call your attention to Section 02:16 10 H-1, and this one contains the heading "Time is of 02:16 11 the Essence" and contains the statement "Because the 02:16	3 Q. Does the code contain any requirements with 02:19 4 respect to egress of buildings? 02:19 5 A. Yes. 02:19 6 Q. What might be one example of such a 02:19 7 requirement? 02:19 8 A. The width of exit corridors. 02:19 9 Q. Any others? 02:19 10 A. Fire sprinkler issues, installation of fire 02:19 11 sprinklers. 02:20
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3 A. I don't know what you mean by "access." We 02:16 4 have the viewable format on our website. They can 02:16 5 view it like anyone else. 02:16 6 Q. By clicking through on the links to the 02:16 7 publishers' websites? 02:16 8 A. Correct. Uh-huh. 02:16 9 Q. I want to call your attention to Section 02:16 10 H-1, and this one contains the heading "Time is of 02:16 11 the Essence" and contains the statement "Because the 02:16 12 code may have significant effects on the safety of 02:16 13 the state's built environment and its citizens, time 02:16 14 is of the essence in performing the herein duties." 02:16	3 Q. Does the code contain any requirements with 02:19 4 respect to egress of buildings? 02:19 5 A. Yes. 02:19 6 Q. What might be one example of such a 02:19 7 requirement? 02:19 8 A. The width of exit corridors. 02:19 9 Q. Any others? 02:19 10 A. Fire sprinkler issues, installation of fire 02:19 11 sprinklers. 02:20 12 Q. Are you aware of any consequences that might 02:20 13 flow from not having an exit corridor that is as wide 02:20 14 as the code prescribes? 02:20
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3 A. I don't know what you mean by "access." We 02:16 4 have the viewable format on our website. They can 02:16 5 view it like anyone else. 02:16 6 Q. By clicking through on the links to the 02:16 7 publishers' websites? 02:16 8 A. Correct. Uh-huh. 02:16 9 Q. I want to call your attention to Section 02:16 10 H-1, and this one contains the heading "Time is of 02:16 11 the Essence" and contains the statement "Because the 02:16 12 code may have significant effects on the safety of 02:16 13 the state's built environment and its citizens, time 02:16 14 is of the essence in performing the herein duties." 02:16 15 Would you agree with that statement? 02:16 16 MS. MILLER-ZIEGLER: Objection. Vague. 02:17	3 Q. Does the code contain any requirements with 02:19 4 respect to egress of buildings? 02:19 5 A. Yes. 02:19 6 Q. What might be one example of such a 02:19 7 requirement? 02:19 8 A. The width of exit corridors. 02:19 9 Q. Any others? 02:19 10 A. Fire sprinkler issues, installation of fire 02:19 11 sprinklers. 02:20 12 Q. Are you aware of any consequences that might 02:20 13 flow from not having an exit corridor that is as wide 02:20 14 as the code prescribes? 02:20 15 MS. MILLER-ZIEGLER: Objection to form. 02:20 16 THE WITNESS: That's a broad question. 02:20
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1 MS. MILLER-ZIEGLER: Objection. Form. 02:21	1 codes. 02:23
2 THE WITNESS: Yeah. That's too broad of a 02:21	2 BY MR. NERCESSIAN: 02:23
3 question for me. Sorry. 02:21	3 Q. Do those agencies include, for instance, the 02:23
4 BY MR. NERCESSIAN: 02:21	4 Department of Housing and Community Development? 02:24
5 Q. You can still answer the question, though. 02:21	5 A. They may have for some, but as far as I 02:24
6 A. I don't have an answer for you, though. I 02:21	6 know, they delegate that to the local jurisdictions 02:24
7 don't I don't know. 02:21	7 for enforcement of housing. 02:24
8 Q. Are you aware of what any consequences might 02:21	8 Q. And when you say "local jurisdictions," you 02:24
9 be if the width of an exit corridor is not compliant 02:21	9 mean local building departments as we previously 02:24
10 with what the code prescribes? 02:21	10 discussed? 02:24
11 MR. FEE: Objection. Calls for speculation. 02:21	11 A. Yes, the broad definition of a local 02:24
12 MS. MILLER-ZIEGLER: Calls for a legal 02:21	12 building department, yes. 02:24
13 conclusion. Objection. 02:21	13 Q. Do you know whether the Division of the 02:24
14 THE WITNESS: All I'm familiar with is that 02:21	14 State Architect plays any role in enforcing 02:24
15 you have to have a certain amount of distance in a 02:21	15 compliance with the California Building Codes? 02:24
16 corridor for a certain amount of occupant load. I 02:21	16 A. For State buildings, they do. 02:24
17 can't speculate on what would happen if it wasn't 02:22	17 Q. Do you know what kind of enforcement actions 02:24
18 there, if it wasn't available. 02:22	18 they might take? 02:24
19 BY MR. NERCESSIAN: 02:22	19 A. I do not. 02:24
20 Q. So you have no knowledge or awareness of 02:22	20 Q. Do you know whether the office of the State 02:24
21 what might happen if a building design didn't comply? 02:22	21 Fire Marshal takes any actions to enforce compliance 02:24
22 MR. FEE: Objection. Calls for speculation 02:22	22 with the California Building Codes? 02:25
23 and form. 02:22	23 A. I apologize. What was the last State agency 02:25
24 MS. MILLER-ZIEGLER: And calls for a legal 02:22	24 you requested? I thought that was what we were 02:25
25 conclusion. 02:22	25 talking about. 02:25
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1 THE WITNESS: It's a broad question that I 02:22	1 Q. It was the Division of State Architect. 02:25
1 THE WITNESS: It's a broad question that I 02:22 2 don't have an answer for. 02:22	1 Q. It was the Division of State Architect. 02:25 2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25
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2 don't have an answer for. 02:22	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25
2 don't have an answer for.       02:22         3 BY MR. NERCESSIAN:       02:22	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25
2 don't have an answer for. 02:22 3 BY MR. NERCESSIAN: 02:22 4 Q. What consequences could happen to a 02:22	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25 4 construction and essential service buildings. 02:25
2 don't have an answer for. 02:22 3 BY MR. NERCESSIAN: 02:22 4 Q. What consequences could happen to a 02:22 5 contractor for failure to meet the California 02:22	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25 4 construction and essential service buildings. 02:25 5 Q. So it's your testimony that the Division of 02:25
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2 don't have an answer for.  3 BY MR. NERCESSIAN:  4 Q. What consequences could happen to a 02:22 5 contractor for failure to meet the California 02:22 6 Electrical Code requirements? 02:22 7 MS. MILLER-ZIEGLER: Objection. Calls for a 02:22 8 speculation and a legal conclusion. 02:22 9 THE WITNESS: Yeah. I don't work for the 02:22 10 California license bureau, so I don't know the 02:22 11 consequences of that. 02:23 12 BY MR. NERCESSIAN: 02:23 13 Q. You can't name one possible consequence? 02:23 14 A. No. 02:23 15 Q. Does the California Building Standards 02:23 16 Commission play any role in monitoring compliance 02:23 17 with the California Building Codes? 02:23 18 A. No. We are not an enforcement agency. 02:23 19 Q. What enforcement agencies are you aware of 02:23 20 that monitor compliance with the California Building 02:23 21 Codes? 02:23 22 MS. MILLER-ZIEGLER: Objection to form. 02:23	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25 4 construction and essential service buildings. 02:25 5 Q. So it's your testimony that the Division of 02:25 6 the State Architect enforces compliance with the 02:25 7 California Building Codes for school constructions 02:25 8 and essential service buildings? 02:25 9 A. Yes. 02:25 10 Q. And are you aware of what actions the 02:25 11 Division of the State Architect takes when enforcing 02:25 12 with respect to school construction and essential 02:25 13 service buildings? 02:25 14 A. No. 02:25 15 Q. Do you know whether the Office of the State 02:25 16 Fire Marshal takes any actions to enforce compliance 02:25 17 with the California Building Codes? 02:26 18 A. I don't know what they do. I don't know 02:26 19 what they do in terms of enforcement, but they do 02:26 20 Q. Do you know whether they enforce? 02:26 21 A. Yes, for State buildings? 02:26 22 Q. For State buildings? 02:26
2 don't have an answer for.  3 BY MR. NERCESSIAN:  4 Q. What consequences could happen to a  02:22  5 contractor for failure to meet the California  02:22  6 Electrical Code requirements?  02:22  7 MS. MILLER-ZIEGLER: Objection. Calls for a  02:22  8 speculation and a legal conclusion.  02:22  9 THE WITNESS: Yeah. I don't work for the  02:22  10 California license bureau, so I don't know the  02:22  11 consequences of that.  02:23  12 BY MR. NERCESSIAN:  02:23  13 Q. You can't name one possible consequence?  02:23  14 A. No.  02:23  15 Q. Does the California Building Standards  02:23  16 Commission play any role in monitoring compliance  02:23  17 with the California Building Codes?  02:23  18 A. No. We are not an enforcement agency.  02:23  19 Q. What enforcement agencies are you aware of  02:23  20 that monitor compliance with the California Building  02:23  21 Codes?  02:23  22 MS. MILLER-ZIEGLER: Objection to form.  02:23  23 THE WITNESS: There's various State agencies  02:23	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25 4 construction and essential service buildings. 02:25 5 Q. So it's your testimony that the Division of 02:25 6 the State Architect enforces compliance with the 02:25 7 California Building Codes for school constructions 02:25 8 and essential service buildings? 02:25 9 A. Yes. 02:25 10 Q. And are you aware of what actions the 02:25 11 Division of the State Architect takes when enforcing 02:25 12 with respect to school construction and essential 02:25 13 service buildings? 02:25 14 A. No. 02:25 15 Q. Do you know whether the Office of the State 02:25 16 Fire Marshal takes any actions to enforce compliance 02:25 17 with the California Building Codes? 02:26 18 A. I don't know what they do. I don't know 02:26 19 what they do in terms of enforcement, but they do 02:26 20 Q. Do you know whether they enforce? 02:26 21 A. Yes, for State building. 02:26 22 Q. For State buildings? 02:26 23 A. Yes. 02:26
2 don't have an answer for.  3 BY MR. NERCESSIAN:  4 Q. What consequences could happen to a  5 contractor for failure to meet the California  6 Electrical Code requirements?  7 MS. MILLER-ZIEGLER: Objection. Calls for a  7 O2:22  8 speculation and a legal conclusion.  8 speculation and a legal conclusion.  9 THE WITNESS: Yeah. I don't work for the  9 O2:22  10 California license bureau, so I don't know the  10 O2:22  11 consequences of that.  12 BY MR. NERCESSIAN:  13 Q. You can't name one possible consequence?  14 A. No.  15 Q. Does the California Building Standards  16 Commission play any role in monitoring compliance  17 with the California Building Codes?  18 A. No. We are not an enforcement agency.  19 Q. What enforcement agencies are you aware of  10 Q:23  20 that monitor compliance with the California Building  21 Codes?  22 MS. MILLER-ZIEGLER: Objection to form.  22 O2:23  23 THE WITNESS: There's various State agencies  22 O2:23  24 that have authority to enforce the codes, and then  22:23	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25 4 construction and essential service buildings. 02:25 5 Q. So it's your testimony that the Division of 02:25 6 the State Architect enforces compliance with the 02:25 7 California Building Codes for school constructions 02:25 8 and essential service buildings? 02:25 9 A. Yes. 02:25 10 Q. And are you aware of what actions the 02:25 11 Division of the State Architect takes when enforcing 02:25 12 with respect to school construction and essential 02:25 13 service buildings? 02:25 14 A. No. 02:25 15 Q. Do you know whether the Office of the State 02:25 16 Fire Marshal takes any actions to enforce compliance 02:25 17 with the California Building Codes? 02:26 18 A. I don't know what they do. I don't know 02:26 19 what they do in terms of enforcement, but they do 02:26 20 Q. Do you know whether they enforce? 02:26 21 A. Yes, for State buildings? 02:26 22 Q. For State buildings? 02:26 23 A. Yes. 02:26 24 Q. Do you know whether the Office of Statewide 02:26
2 don't have an answer for.  3 BY MR. NERCESSIAN:  4 Q. What consequences could happen to a  02:22  5 contractor for failure to meet the California  02:22  6 Electrical Code requirements?  02:22  7 MS. MILLER-ZIEGLER: Objection. Calls for a  02:22  8 speculation and a legal conclusion.  02:22  9 THE WITNESS: Yeah. I don't work for the  02:22  10 California license bureau, so I don't know the  02:22  11 consequences of that.  02:23  12 BY MR. NERCESSIAN:  02:23  13 Q. You can't name one possible consequence?  02:23  14 A. No.  02:23  15 Q. Does the California Building Standards  02:23  16 Commission play any role in monitoring compliance  02:23  17 with the California Building Codes?  02:23  18 A. No. We are not an enforcement agency.  02:23  19 Q. What enforcement agencies are you aware of  02:23  20 that monitor compliance with the California Building  02:23  21 Codes?  02:23  22 MS. MILLER-ZIEGLER: Objection to form.  02:23  23 THE WITNESS: There's various State agencies  02:23	2 A. Oh. Yes. I'm sorry, I misspoke. The 02:25 3 Division of the State Architect does for school 02:25 4 construction and essential service buildings. 02:25 5 Q. So it's your testimony that the Division of 02:25 6 the State Architect enforces compliance with the 02:25 7 California Building Codes for school constructions 02:25 8 and essential service buildings? 02:25 9 A. Yes. 02:25 10 Q. And are you aware of what actions the 02:25 11 Division of the State Architect takes when enforcing 02:25 12 with respect to school construction and essential 02:25 13 service buildings? 02:25 14 A. No. 02:25 15 Q. Do you know whether the Office of the State 02:25 16 Fire Marshal takes any actions to enforce compliance 02:25 17 with the California Building Codes? 02:26 18 A. I don't know what they do. I don't know 02:26 19 what they do in terms of enforcement, but they do - 02:26 20 Q. Do you know whether they enforce? 02:26 21 A. Yes, for State building. 02:26 22 Q. For State buildings? 02:26 23 A. Yes. 02:26 24 Q. Do you know whether the Office of Statewide 02:26 25 Health Planning and Development takes any actions to 02:26

33 (Pages 126 - 129)

18 A. I do not know. 02:27  19 Q. Do you know whether the Board of State and 02:27  20 Community Corrections takes any actions to enforce 02:27  20 Q. What is this document? 02:30		
3	1 enforce compliance with the California Building 02:26	1 strike that. 02:29
4   As of July 1st, 2016?   O2.29   O2.29   O2.29	2 Codes? 02:26	2 Do you know whether any free public access 02:29
5	3 A. Yes. For hospital safety, yes. 02:26	3 to the 2016 California Electrical Code was available 02:29
6 Q. Do you know whether the California Energy 02:26 7 Commission takes any actions to enforce compliance with the California Building of Codes? 02:26 10 Q. Do you know whether the California 02:26 11 Department of Public Health takes any actions to 02:26 12 enforce compliance with the California State 02:26 13 Codes? 02:26 14 A. I do not know that. 02:26 15 Q. Do you know whether the California State 02:26 16 Lands Commission takes any action to enforce with 02:26 17 respect to California Building Codes? 02:27 18 A. I do not know that 02:27 19 Q. Do you know whether the Board of State and 02:27 20 Community Corrections takes any actions to more with 02:27 21 compliance with California Building Codes? 02:27 22 A. I do not know. 02:27 23 Q. How about — the last one is the Building 02:27 24 Sandards Commission, so strike that. 02:27 25 Want to call your attention back to 02:27 27 Q. Why is it important that the code gets 02:27 28 A. Uh-lub. 02:27 29 A. Uh-lub. 02:27 3 Q. Looking at sentence two now that says "The 02:27 4 July 1st, 2016, date to publish the code is of 02:27 5 Q. Why is it important that the code gets 02:27 6 A. Yes. 02:28 11 publication must occur 180 days prior to the 02:28 12 effective date, That's part of building standards? 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 Q. Do you know whether the 2016 California 02:28 16 Q. A Yes. 02:28 17 Do you know whether the 216 Code most hard that of 20:28 18 Electrical Code must that July 1st, 2016, publication 02:28 29 Q. Do you know whether the 216 Code most hard that one one of the California one of the	4 Q. Do you know what actions they take? 02:26	4 as of July 1st, 2016? 02:29
7   THE WITNESS: Yeah. I don't know.	5 A. I do not. 02:26	5 MR. FEE: Objection to form, calls for 02:29
8 with the California Building Codes? 02:26 9 A. 1 do not know. 02:26 11 Department of Public Health takes any actions to 02:26 12 enforce compliance with the California Building 02:26 13 Codes? 02:26 14 A. 1 do not know that. 02:26 15 Q. Do you know whether the California State 02:26 15 Q. Do you know whether the California State 02:27 17 respect to California Building Codes? 02:27 18 A. 1 do not know. 02:27 20 Community Corrections takes any action to enforce with 02:27 21 Compliance with California Building Codes? 02:27 22 A. 1 do not. 02:27 23 Q. How about — the last one is the Building Codes? 02:27 24 Standards Commission, so strike that. 02:27 25 Want to call your attention back to 02:27 26 Lowling at sentence two now that says "The 02:27 27 A. Uh-huh. 02:27 28 July 1st, 2016, date to publish the code is of 02:27 29 A. The commission sets the effective date, 02:28 11 publication must occur 180 days prior to the 02:28 12 published at that date? 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether the 2016 California 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 29 A. Yes. 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NPFA reading 02:28 23 Q. Do you know whether the California 02:28 24 A. Nes. 02:28 25 Q. Do you know whether the California 02:28 26 Q. Do you know whether the California 02:28 27 Q. Do you know whether the California 02:28 28 Q. Do you know whether the California 02:28 29 Q. Do you know whether the California 02:28 20 Q. Do you know whether the California 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 Q. Do you know whether the California 02:28 24 A. Nes. 02:28 25 Q. Do you know whether the California 02:28 26 Q. Do you know whether any free access was — 02:28 27 Q. Do you know whether any free access was — 02:28 28 Q. Do you know whether any	6 Q. Do you know whether the California Energy 02:26	6 speculation. 02:29
9 Q. Pass you a document l'd like marked next in 02:30 10 Q. Do you know whether the California 02:26 11 centrore compliance with the California Building 02:26 12 enforce compliance with the California Building 02:26 13 Codes? 02:26 15 Q. Do you know whether the California State 02:26 16 Lands Commission takes any actions to enforce with 02:26 16 Lands Commission takes any actions to enforce with 02:27 18 A. I do not know. 02:27 19 Q. Do you know whether the Board of State and 02:27 20 Community Corrections takes any actions to enforce 02:27 21 compliance with California Building Codes? 02:27 22 A. I do not. 02:27 23 Q. How about – the last one is the Building 02:27 24 Sandards Commission, so strike that 02:27 25 Want to call your attention back to 02:27 26 A. Uh-huh. 02:27 27 A. Uh-huh. 02:27 28 Q. Looking at sentence two now that says "The 02:27 39 Q. Looking at sentence two now that says "The 02:27 40 July 1st, 2016, date to publish the code is of 02:27 41 July 1st, 2016, date to publish the code is of 02:27 42 A. The commission sets the effective date, 02:27 43 Paublished at that date? 02:27 44 A. Yes. 02:28 45 A. The commission sets the effective date, 02:27 46 A. Yes. 02:28 47 Q. Why is it important that the code gets office of this document which says "Online portions 02:31 48 A. I am a member of the DGS Sacramento staff 02:31 49 you see that Paugh (20:23) 50 Q. What is a limportance." Do you see that language? 02:27 50 Griffical importance." Do you see that language? 02:27 51 D which is 180 days beyond that date, and so the 02:28 51 D which is 180 days beyond that date, and so the 02:28 51 D a. Yes. 02:28 51 D oy ou know whether the 2016 California 02:28 51 D oy ou know whether the 2016 California 02:28 51 C D. Oy ou know whether the 2016 California 02:28 51 C D. Oy ou know whether the 2016 California 02:28 51 C D. Oy ou know whether the 2016 California 02:28 51 C D. Oy ou know whether the 2016 California 02:28 51 C D. Oy ou know whether the 2016 California 02:28 51 C D. Oy ou know whether the 2016 Cali	7 Commission takes any actions to enforce compliance 02:26	7 THE WITNESS: Yeah. I don't know. 02:29
10   Q. Do you know whether the California   0.226   11   Department of Public Health takes any actions to   0.226   12   BY MR. NERCESSIAN:   0.2:30     12   BY MR. NERCESSIAN:   0.2:30     13   Q. You've been passed a document marked for   0.2:30     14   A. I do not know that.   0.2:26   15   Q. Do you know whether the California Building Codes?   0.2:27     15   Gournment?   0.2:30     16   Lands Commission takes any actions to enforce with   0.2:26     16   Lands Commission takes any actions to enforce with   0.2:27     17 respect to California Building Codes?   0.2:27     18   A. I do not know.   0.2:27     19   Q. Do you know whether the Board of State and   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     10   Community Corrections takes any actions to enforce   0.2:27     12   Compliance with California Building Codes?   0.2:27     12   Compliance with California Building Codes?   0.2:27     13   Q. How about - the last one is the Building   0.2:27     14   A. I don not.   0.2:31     15   Courred   0.2:	8 with the California Building Codes? 02:26	8 BY MR. NERCESSIAN: 02:29
11   Department of Public Health takes any actions to 22:26   12   BY MR. NERCESSIAN:   02:30   02:31   02:3	9 A. I do not know. 02:26	9 Q. Pass you a document I'd like marked next in 02:30
12   2   2   2   2   2   3   3   3   3	10 Q. Do you know whether the California 02:26	10 order. Should be 8. 02:30
13   Codes?   02:26	11 Department of Public Health takes any actions to 02:26	11 (Exhibit 8 marked) 02:30
14   A.	12 enforce compliance with the California Building 02:26	12 BY MR. NERCESSIAN: 02:30
15   Q. Do you know whether the California State   02:26   15   document?   02:30	13 Codes? 02:26	13 Q. You've been passed a document marked for 02:30
16   Lands Commission takes any action to enforce with   02:26   17 respect to California Building Codes?   02:27   18   A. I do not know.   02:27   20   Community Corrections takes any actions to enforce   02:27   21 compliance with California Building Codes?   02:27   22   A. I do not.   02:27   22   A. I do not.   02:27   23   Q. How about the last one is the Building   02:27   24   Standards Commission, so strike that.   02:27   25   Want to call your attention back to   02:27   27   28   A. I do not.   02:27   29   A. Uh-huh.   02:27   20   Community Corrections takes any actions to enforce   02:27   27   28   Want to call your attention back to   02:27   29   A. Uh-huh.   02:27   27   27   28   A. Uh-huh.   02:27   29   A. Uh-huh.   02:27   29   A. Uh-huh.   02:27   20   A. Uh	14 A. I do not know that. 02:26	14 identification as Exhibit 8. Do you recognize this 02:30
17 respect to California Building Codes?   02:27   18   A.   I do not know   02:27   19   Q. Do you know whether the Board of State and   02:27   19   email, so it's possible that I received this, yes.   02:30   19   email, so it's possible that I received this, yes.   02:30   19   email, so it's possible that I received this, yes.   02:30   19   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:31   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:30   10   email, so it's possible that I received this, yes.   02:31   10   email, so it's possible that I received this document which sup the specified to possible that I received this document which sup the specified to possible that I received this document which sup that I received this document which sup that I received that time.   02:31   10   email, so it's possible that I received this document which sup that I received this document which sup that I received this document which sup that I time.   02:31   10   10   10   10   10   10   10	15 Q. Do you know whether the California State 02:26	15 document? 02:30
18	16 Lands Commission takes any action to enforce with 02:26	16 A. Uh-huh. Yes. 02:30
19   Q. Do you know whether the Board of State and 02:27   Compliance with California Building Codes?   02:27   Compliance with California Codes?   02:27   Compliance with California Codes?   02:27   Code met that July 1st, 2016, publication University Believing Codes?   02:28   Code met that July 1st, 2016, publication Codes Code was available on the NFPA reading Codes Code Code Code Code Code Code Code Code	17 respect to California Building Codes? 02:27	17 Q. And would you have received this document? 02:30
20   Community Corrections takes any actions to enforce   02:27   21   compliance with California Building Codes?   02:27   02:27   22   A. I do not.   02:27   22   Web person at the time.   02:31	18 A. I do not know. 02:27	
21   compliance with California Building Codes?   02:27   22   A. I do not.   02:27   23   Q. How about — the last one is the Building   02:27   24   X. Standards Commission, so strike that.   02:27   25   Want to call your attention back to   02:27   Page 130   1   Section H of Exhibit 7.   02:27   24   A. 8-1-2016.   02:31   Page 132   1   Section H of Exhibit 7.   02:27   24   A. 8-1-2016.   02:31   Page 132   1   Section H of Exhibit 7.   02:27   25   Q. Looking at sentence two now that says "The   02:27   26   A. Uh-huh.   02:27   27   27   28   July 1st, 2016, date to publish the code is of   02:27   27   28   July 1st, 2016, date to publish the code is of   02:27   27   Q. Why is it important that the code gets   02:27   27   Q. Why is it important that the code gets   02:27   28   Published at that date?   02:28   10   Which is 180 days beyond that date, and so the   02:28   11   publication must occur 180 days prior to the   02:28   12   Q. So that's a legal mandate?   02:28   13   Jaw.   02:28   14   Q. So that's a legal mandate?   02:28   15   A. Yes.   02:28   16   Q. Are you aware whether that — strike that.   02:28   16   Q. Are you aware whether that — strike that.   02:28   17   MR. Yes.   02:28   18   Electrical Code met that July 1st, 2016, publication   02:32   19   date?   02:28   02	19 Q. Do you know whether the Board of State and 02:27	19 email, so it's possible that I received this, yes. 02:30
22	20 Community Corrections takes any actions to enforce 02:27	
23   Q.	21 compliance with California Building Codes? 02:27	21 A. That's an email from Alex Hunter who was our 02:30
24 Standards Commission, so strike that. 02:27 Page 130  1 Section H of Exhibit 7. 02:27 27 28 A. Uh-huh. 02:27 4 July 1st, 2016, date to publish the code is of critical importance." Do you see that language? 02:27 5 critical importance." Do you see that language? 02:27 7 Q. Why is it important that the code gets 02:27 8 published at that date? 02:27 8 published at that date? 02:27 9 A. The commission sets the effective date, owing the importance of the commission sets the effective date. That's part of building standards 02:28 12 effective date. That's part of building standards 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016 California 02:28 19 date? 02:28 19 Q. Do you know whether the California 02:28 19 date? 02:28 10 Q. Do you know whether the California 02:28 19 date? 02:28 10 Q. Do you know whether the California 02:28 17 Q. Do you know whether the California 02:28 18 Electrical Code was available on the NFPA reading 02:28 19 Q. Do you know whether the California 02:28 19 Q. Do you know whether the California 02:28 19 Q. Do you know whether the California 02:28 19 Q. Do you know whether the California 02:28 19 Q. Do you know whether the California 02:28 19 Q. Do you know whether the California 02:28 19 Q. Do you know whether the California 02:28 19 BY MR. NERCESSIAN: 02:32 20 Q. Do you have any reason to doubt the 02:32 21 21 Electrical Code was available on the NFPA reading 02:28 21 22 Electrical Code was available on the NFPA reading 02:28 22 22 Electrical Code was available on the NFPA reading 02:28 22 23 70 Mechanical and Plumbing Codes published by IAPMO are 02:32 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was — 02:28 25 A. That would be online access from our 02:32 25 A. That would be online access from our 02:32 25 A. That would be online access from our 02:32 25 A. That would b	22 A. I do not. 02:27	1
25 Want to call your attention back to 02:27   Page 130   Page 130	23 Q. How about the last one is the Building 02:27	
Page 130   Page 130   Page 132   Page 132   Page 132	24 Standards Commission, so strike that. 02:27	
1 Section H of Exhibit 7. 02:27 2 A. Uh-huh. 02:27 3 Q. Looking at sentence two now that says "The 02:27 4 July 1st, 2016, date to publish the code is of 02:27 5 critical importance." Do you see that language? 02:27 6 A. Yes. 02:27 7 Q. Why is it important that the code gets 02:27 8 published at that date? 02:27 9 A. The commission sets the effective date, 02:27 10 which is 180 days beyond that date, and so the 02:28 11 publication must occur 180 days prior to the 02:28 12 effective date. That's part of building standards 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 22:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 A. I do not know. 02:28 28 Do you know whether any free access was 02:28 29 Q. Do you know whether any free access was 02:28 20 Q. Do you know whether one of this document which says "Online portions 02:31 2 of the 2016 Building Standards Code published/printed 02:31 3 by ICC are now linked on our code's web page." Do 02:31 4 you see that? 02:31  4 you see that? 02:31  4 you see that? 02:31  4 you see that? 02:31  4 you see that? 02:31  5 A. I do. 02:31  6 Q. Are you aware whether the links were in 02:31  8 published drive and inked on our code's web page." Do 02:31  1 working order at any point before August 1st, 2016? 02:31  10 Electrical Code, as of August 1st, 2016 - strike 02:31  11 that. 02:31  12 working order at any point before August 1st, 2016? 02:31  13 by the NFPA available for online access at that time? 02:32  14 by the NFPA available for online access available at that time? 02:32  15 A. I don't recall. 02:32  16 the 2016 Building S		
2 A. Uh-huh. 02:27 3 Q. Looking at sentence two now that says "The 02:27 4 July 1st, 2016, date to publish the code is of 02:27 5 critical importance." Do you see that language? 02:27 6 A. Yes. 02:27 7 Q. Why is it important that the code gets 02:27 8 published at that date? 02:27 9 A. The commission sets the effective date, 02:27 10 which is 180 days beyond that date, and so the 02:28 11 publication must occur 180 days prior to the 02:28 12 effective date. That's part of building standards 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 22:28 23 Toom as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 Q. Do you know whether any free access was 02:28 28 Q. Do you know whether any free access was 02:28 29 Q. Do you know whether any free access was 02:28 20 Do you know whether any free access was 02:28 21 G. Do you know whether any free access was 02:28 22 G. Do you know whether any free access was 02:28 23 Toom as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Do you know whether any free access was 02:28 27 Do you know whether any free access was 02:28 28 Do you know whether any free access was 02:28 29 A. The commission access from our 02:31 20 Toom as of that date? 02:28 21 G. Do you know whether any free access was 02:28 22 G. Do you know whether any free access was 02:28 23 Toom as of that date? 02:28 24 A. I do not know. 02:28 25 Do you know whether any free access was 02:28	Page 130	Page 132
3 Q. Looking at sentence two now that says "The dily strain that the code is of dily strain that the code is of critical importance." Do you see that language?  5 critical importance." Do you see that language?  6 A. Yes. 02:27  7 Q. Why is it important that the code gets published at that date? 02:27  8 published at that date? 02:27  9 A. The commission sets the effective date, and so the publication must occur 180 days prior to the published at that date? 02:28  13 law. 02:28  14 Q. So that's a legal mandate? 02:28  15 A. Yes. 02:28  16 Q. Are you aware whether that in the code gets over the published of the publish	1 Section H of Exhibit 7. 02:27	1 sentence of this document which says "Online portions 02:31
4 July 1st, 2016, date to publish the code is of critical importance." Do you see that language? 02:27	2 A. Uh-huh. 02:27	2 of the 2016 Building Standards Code published/printed 02:31
5 critical importance." Do you see that language? 6 A. Yes. 02:27 7 Q. Why is it important that the code gets 02:27 8 published at that date? 02:27 9 A. The commission sets the effective date, 02:27 10 which is 180 days beyond that date, and so the publication must occur 180 days prior to the 02:28 11 publication must occur 180 days prior to the 02:28 12 effective date. That's part of building standards 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether the links were in 02:31 17 Do you know whether the 2016 California 02:32 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 10 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 Q. Do you know whether any free access was 02:28 28 Q. Do you know whether any free access was 02:28 29 Q. Do you know whether any free access was 02:28 20 Q. Do you know whether any free access was 02:28 21 A. I do not know. 02:32 22 Toom as of that date? 02:28 23 Nechanical and Plumbing Codes published by IAPMO are 02:32 24 not yet available for online access from our 02:32 25 A. That would be online access from our 02:32	3 Q. Looking at sentence two now that says "The 02:27	3 by ICC are now linked on our code's web page." Do 02:31
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7 Q. Why is it important that the code gets 8 published at that date? 02:27  8 published at that date? 02:27  9 A. The commission sets the effective date, 02:28 10 which is 180 days beyond that date, and so the publication must occur 180 days prior to the 02:28 11 publication must occur 180 days prior to the publication must occur 180 days prior to the 02:28 12 effective date. That's part of building standards 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 10 Q. Do you know whether the California 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 Q. Do you know whether any free access was 02:28 28 Q. Do you know whether any free access was 02:28 29 Q. Do you know whether any free access was 02:28 20 A. I do not know. 02:32 21 A. I don't recall. 02:31 22 Was the California Electrical Code published 02:32 23 Was the California Electrical Code published on the mil, does it appear that 02:32 24 N. Yes. 02:28 25 Lectrical Code met that July 1st, 2016, publication 02:28 26 Lectrical Code met that July 1st, 2016, publication 02:28 27 Ves. 02:28 28 Lectrical Code was available on the NFPA reading 02:32 29 Q. Do you have any reason to doubt the 02:32 20 Q. Do you have any reason to doubt the 02:32 21 Statement in this email that says "the California 02:32 22 Electrical Code was available for online access from our 02:32 23 Mechanical and Plumbing Codes published by IAPMO are 02:32 24 not yet available for online access from our 02:32	5 critical importance." Do you see that language? 02:27	5 A. I do. 02:31
8 published at that date? 02:27	6 A. Yes. 02:27	6 Q. Are you aware whether the links were in 02:31
9 A. The commission sets the effective date, 02:27	7 Q. Why is it important that the code gets 02:27	7 working order at any point before August 1st, 2016? 02:31
10 which is 180 days beyond that date, and so the publication must occur 180 days prior to the publication occur 180 days prior to the published occur 180 days prior to the publication occur 180 days prior to the published occur 180 days prior to the published occur 180 days prior to the published occur 180 days prior to the occur 180 days the NFPA available for online access at that time? Occur 190 days occur 190	8 published at that date? 02:27	8 A. I don't recall. 02:31
11 publication must occur 180 days prior to the effective date. That's part of building standards 02:28   12 effective date. That's part of building standards 02:28   13 law. 02:28   14 Q. So that's a legal mandate? 02:28   15 A. Yes. 02:28   16 Q. Are you aware whether that strike that. 02:28   17 Do you know whether the 2016 California 02:28   18 Electrical Code met that July 1st, 2016, publication 02:28   19 date? 02:28   19 date? 02:28   10 Do you know whether the California 02:28   11 that. 02:31   12 Was the California Electrical Code published 02:32   13 by the NFPA available for online access at that time? 02:32   14 A. I don't recall. 02:32   15 Q. According to the email, does it appear that 02:32   16 there was online access available at that time? 02:32   17 MR. YEN: Objection. Calls for speculation. 02:32   18 THE WITNESS: I don't recall. 02:32   19 BY MR. NERCESSIAN: 02:32   20 Q. Do you have any reason to doubt the 02:32   21 statement in this email that says "the California 02:32   22 Electrical Code was available on the NFPA reading 02:28   23 room as of that date? 02:28   24 A. I do not know. 02:28   25 Q. Do you know whether any free access was 02:28   26 Q. Do you know whether any free access was 02:28   27 A. That would be online access from our 02:32   28 A. That would be online access from our 02:32	9 A. The commission sets the effective date, 02:27	9 Q. And according to this email, the California 02:31
12 effective date. That's part of building standards 02:28 13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 10 Q. Do you know whether the California 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 Q. Do you know whether any free access was 02:28 28 Q. Do you know whether any free access was 02:28 29 Q. Do you know whether any free access was 02:28 20 Q. Do you know whether on the NFPA and the California 02:32 21 A. I do not know. 02:28 22 A. That would be online access from our 02:32	10 which is 180 days beyond that date, and so the 02:28	10 Electrical Code, as of August 1st, 2016 strike 02:31
13 law. 02:28 14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 10 Q. Do you know whether the California 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 Q. Do you know whether any free access was 02:28 28 Q. Do you know whether any free access was 02:28 29 Q. Do you know whether any free access was 02:28 20 Q. Do you know whether any free access was 02:28 21 A. I do not know. 02:28 22 A. That would be online access from our 02:32 23 A. That would be online access from our 02:32		11 that. 02:31
14 Q. So that's a legal mandate? 02:28 15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 10 Q. Do you know whether the California 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 Q. Do you know whether any free access was 02:28 28 A. That would be online access from our 02:32 29 A. That would be online access from our 02:32		Was the California Electrical Code published 02:32
15 A. Yes. 02:28 16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 22 Electrical Code was available on the NFPA reading 3 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 A. That would be online access from our 02:32 28 A. That would be online access from our 02:32		13 by the NFPA available for online access at that time? 02:32
16 Q. Are you aware whether that strike that. 02:28 17 Do you know whether the 2016 California 02:28 18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 19 Do you know whether the California 02:28 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading room as of that date? 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 A. That would be online access available at that time? 02:32 28 THE WITNESS: I don't recall. 02:32 29 Q. Do you have any reason to doubt the 02:32 20 Q. Do you have any reason to doubt the 02:32 21 statement in this email that says "the California 02:32 22 Electrical Code was available on the NFPA reading 02:28 23 Mechanical and Plumbing Codes published by IAPMO are 02:32 24 not yet available for online access "? 02:32 25 A. That would be online access from our 02:32		14 A. I don't recall. 02:32
Do you know whether the 2016 California 02:28 17 MR. YEN: Objection. Calls for speculation. 02:32  18 Electrical Code met that July 1st, 2016, publication 02:28 18 THE WITNESS: I don't recall. 02:32  19 date? 02:28 19 BY MR. NERCESSIAN: 02:32  20 A. Yes. 02:28 20 Q. Do you know whether the California 02:28 21 statement in this email that says "the California 02:32  21 Electrical Code was available on the NFPA reading 02:28 22 Electrical Code was available on the NFPA reading 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 25 A. That would be online access from our 02:32		15 Q. According to the email, does it appear that 02:32
18 Electrical Code met that July 1st, 2016, publication 02:28 19 date? 02:28 19 BY MR. NERCESSIAN: 02:32 20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading 22:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Q. Do you know whether any free access was 02:28 27 A. That would be online access from our 02:32		16 there was online access available at that time? 02:32
19 date? 02:28 19 BY MR. NERCESSIAN: 02:32  20 A. Yes. 02:28 20 Q. Do you have any reason to doubt the 02:32  21 Q. Do you know whether the California 02:28 21 statement in this email that says "the California 02:32  22 Electrical Code was available on the NFPA reading 02:28 22 Electrical Code published by NFPA and the California 02:32  23 room as of that date? 02:28 22 Electrical Code published by IAPMO are 02:32  24 A. I do not know. 02:28 24 not yet available for online access"? 02:32  25 Q. Do you know whether any free access was 02:28 25 A. That would be online access from our 02:32	Do you know whether the 2016 California 02:28	MR. YEN: Objection. Calls for speculation. 02:32
20 A. Yes. 02:28 21 Q. Do you know whether the California 02:28 22 Electrical Code was available on the NFPA reading room as of that date? 02:28 23 room as of that date? 02:28 24 A. I do not know. 02:28 25 Q. Do you know whether any free access was 02:28 26 Do you have any reason to doubt the 02:32 27 statement in this email that says "the California 02:32 28 Electrical Code was available on the NFPA reading 02:28 29 Electrical Code published by NFPA and the California 02:32 20 Mechanical and Plumbing Codes published by IAPMO are 02:32 21 statement in this email that says "the California 02:32 22 Electrical Code published by IAPMO are 02:32 23 room as of that date? 02:28 24 not yet available for online access "? 02:32 25 A. That would be online access from our 02:32		18 THE WITNESS: I don't recall. 02:32
21 Q. Do you know whether the California 02:28 21 statement in this email that says "the California 02:32 22 Electrical Code was available on the NFPA reading 23 room as of that date? 02:28 22 Electrical Code published by NFPA and the California 02:32 23 Mechanical and Plumbing Codes published by IAPMO are 02:32 24 A. I do not know. 02:28 24 not yet available for online access"? 02:32 25 Q. Do you know whether any free access was 02:28 25 A. That would be online access from our 02:32		19 BY MR. NERCESSIAN: 02:32
22 Electrical Code was available on the NFPA reading 23 room as of that date? 24 A. I do not know. 25 Q. Do you know whether any free access was 26 Do you know whether any free access was 27 Do you know whether any free access was 28 Electrical Code published by NFPA and the California 02:32 29 Mechanical and Plumbing Codes published by IAPMO are 02:32 20 Mechanical and Plumbing Codes published by IAPMO are 02:32 21 A. That would be online access from our 02:32		20 Q. Do you have any reason to doubt the 02:32
23 room as of that date? 02:28 23 Mechanical and Plumbing Codes published by IAPMO are 02:32 24 A. I do not know. 02:28 24 not yet available for online access"? 02:32 25 Q. Do you know whether any free access was 02:28 25 A. That would be online access from our 02:32		21 statement in this email that says "the California 02:32
24 A. I do not know. 02:28 24 not yet available for online access"? 02:32 25 Q. Do you know whether any free access was 02:28 25 A. That would be online access from our 02:32		\$22 Electrical Code published by NFPA and the California 02:32
25 Q. Do you know whether any free access was 02:28 25 A. That would be online access from our 02:32	23 room as of that date? 02:28	23 Mechanical and Plumbing Codes published by IAPMO are 02:32
		24 not yet available for online access"? 02:32
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1 website. I can't state whether or not the model code 02:32	1 Q. So those are the depository libraries 02:37		
2 developers had it on their website yet. 02:32	2 identified as Exhibit A, Attachment A, and Exhibit A, 02:37		
3 Q. So you read this to say just the link wasn't 02:32	3 Attachment B, of this document? 02:37		
4 up? 02:32	4 A. Yes. 02:37		
5 A. Correct. 02:32	5 Q. Do those complimentary copies go to any 02:37		
6 Q. And you don't know whether the electrical 02:32	6 organization or person not identified on these 02:37		
7 code was accessible on the NFPA website? 02:33	7 attachments? 02:37		
8 A. I don't know that. 02:33	8 A. I don't know. 02:37		
· · · · · · · · · · · · · · · · · · ·	9 Q. I see on these attachments there are some 02:37		
	10 libraries that are called Complete Depository 02:38		
11 Q. IAPMO. 02:33	11 Libraries and other libraries called Selective 02:38		
12 A. Is the International Association of Plumbing 02:33	12 Depository Libraries. Do you see that? 02:38		
13 Mechanical Officials. It's another publisher that we 02:33	13 A. I do. 02:38		
14 use. 02:33	14 Q. What's the difference between those 02:38		
15 Q. And what part of Title 24 does IAPMO deliver 02:33	15 designations? 02:38		
16 model codes with respect to? 02:33	16 A. I don't know. 02:38		
17 A. The Uniform Mechanical Code and the Uniform 02:33	17 Q. Another line down in Section K, it says 02:38		
18 Plumbing Code which are adopted by State agencies. 02:33	18 "NFPA may wholesale the code to other resellers in 02:38		
19 Q. Want to call your attention back to 02:34	19 California." Do you see that? 02:38		
20 Exhibit 7 and want to call your attention to Section 02:34	20 A. I do see that. 02:38		
21 K-1 of the agreement. K-1, it's on page seven of 02:34	21 Q. Do you know whether NFPA has? 02:38		
22 seven of Exhibit A. 02:34	22 A. I do not know. 02:38		
23 A. Seven of seven. Okay. 02:34	23 Q. Do you know whether NFPA has made any 02:38		
24 Q. All right. Section K-1 states "NFPA shall 02:34	24 efforts to deliver the code to print disabled 02:38		
25 establish a distribution method in consultation with 02:34	25 individuals? 02:38		
Page 134	Page 136		
1 the CBSC." Do you see that language? 02:34	1 MS. MILLER-ZIEGLER: Objection. Lacks 02:38		
2 A. Yes. 02:35	2 foundation and calls for speculation. 02:38		
3 Q. What distribution method has NFPA 02:35	3 THE WITNESS: I don't know that. 02:38		
4 established in consulting with the CBSC? 02:35	4 BY MR. NERCESSIAN: 02:39		
5 A. I don't recall. 02:35	5 Q. Do you know whether NFPA has made any 02:39		
6 Q. Are you aware of any distribution method? 02:35	6 efforts to deliver the code to mobility impaired 02:39		
7 A. In context with this item? I don't know in 02:35	7 individuals? 02:39		
8 what context this is referring, so 02:36	8 MS. MILLER-ZIEGLER: Objection. Lack of 02:39		
9 Q. Do you recall any discussions you have had 02:36	9 foundation. 02:39		
10 with NFPA regarding any distribution method for the 02:36	10 THE WITNESS: I don't know that. 02:39		
11 2016 California Electrical Code? 02:36	11 BY MR. NERCESSIAN: 02:39		
12 A. Well, it would be how it applies with the 02:36	12 Q. Do you know whether NFPA has made any 02:39		
13 rest of the contract statement. So, for example, one 02:36	13 efforts to deliver the code to individuals that lack 02:39		
14 distribution method would be linked to our website. 02:36	14 sight? 02:39		
15 Q. And you're not aware of any distribution 02:36	15 MS. MILLER-ZIEGLER: Objection. Lack of 02:39		
16 method aside from that? 02:36	16 foundation. 02:39		
17 A. No, not right now, no. 02:36	17 THE WITNESS: I do not know that. 02:39		
18 Q. The next line down says "The NFPA shall 02:36	18 BY MR. NERCESSIAN: 02:39		
19 distribute a minimum of 200 complimentary copies of 02:36	19 Q. Has the CBSC taken any steps to deliver the 02:39		
20 the code as per list provided by CBSC on or before 02:37	20 code to those who are print disabled? 02:39		
21 July 1st, 2016." Do you see that? 02:37	21 A. We've not received a request for that, no. 02:39		
	•		
22 A. I do. 02:37	22 Q. Has CBSC taken any steps to deliver the code 02:39		
	22 Q. Has CBSC taken any steps to deliver the code 02:39 23 to individuals who are mobility impaired? 02:40		
22 A. I do. 02:37	* *		
<ul> <li>22 A. I do. 02:37</li> <li>23 Q. For whom are those 200 complimentary copies? 02:37</li> </ul>	23 to individuals who are mobility impaired? 02:40		

35 (Pages 134 - 137)

1 available the code to those who lack sight? 02:40	1 Q. And that's 1-1-17 is the effective date 02:43
2 A. We've not been requested that, no. 02:40	2 of the 2016 edition of the California Electrical 02:43
3 Q. To your knowledge, has the State of 02:40	3 Code? 02:43
4 California taken any efforts to make the code 02:40	4 A. It's the effective date of all of the codes, 02:43
5 available to those who have accessibility issues? 02:40	5 yes, that's correct. 02:43
6 MS. MILLER-ZIEGLER: Objection. Lack of 02:40	6 Q. Want to call your attention to Exhibit B of 02:43
7 foundation. 02:40	7 this agreement. It's almost at the end. 02:44
8 THE WITNESS: Yeah. I can't answer for the 02:40	8 A. Okay. Before C? 02:44
9 State of California. 02:40	9 Q. No. It's the second to last and the last 02:44
10 BY MR. NERCESSIAN: 02:40	10 page. 02:44
11 Q. But you're not aware of any efforts that the 02:40	11 A. Oh, sorry. Okay. Got it. I was going in 02:44
12 State has taken to make the code available to those 02:40	12 alphabetical order there. All right. 02:44
13 who do have accessibility issues? 02:40	13 Q. Yeah. So I want to call your attention to 02:44
14 A. I don't know. 02:40	14 Section B-1 02:44
15 MS. MILLER-ZIEGLER: Mischaracterizes her 02:40	15 A. Uh-huh. 02:44
16 testimony. 02:40	16 Q which states that "NFPA shall make the 02:44
17 THE WITNESS: I don't know. 02:40	17 code," and I'm excerpting language here, "available 02:44
18 BY MR. NERCESSIAN: 02:40	18 to the State, local governmental agencies and the 02:44
19 Q. Just have a few more questions about this 02:41	19 general public at a price established by NFPA." Do 02:44
20 document. Like to call your attention to Exhibit A, 02:41	20 you see that language? 02:45
21 Attachment C, and this page, you'll see, has the 02:41	21 A. I see the language. 02:45
22 heading the heading reads "2016 Intervening Code 02:41	22 Q. Is there any statement anywhere in this 02:45
23 Adoption Cycle Timeline." Do you see that? 02:41	23 agreement that specifies what that price is? 02:45
24 A. I do. 02:41	24 A. I don't know without reading the whole 02:45
25 Q. What is depicted in this chart? 02:41	25 agreement. 02:45
Page 138	Page 140
1 A. Actually, what's depicted is the 2015 02:42	1 Q. Are you aware of the price that NFPA makes 02:45
2 Triennial Code Adoption Cycle Timeline that we make 02:42	2 the quote available for? 02:45
3 available that the BSC makes available on its 02:42	3 A. I am not. 02:45
4 website for interested parties, and it talks about 02:42	4 Q. Do you know whether the code strike that. 02:45
5 the timing, that's a rough outline of the timing of 02:42	5 Do you know whether the NFPA makes the code 02:45
6 the cycle, from pre-cycle all the way to publication 02:42	6 available to the State for the same price that it 02:45
7 and effective date. It's pretty blurry, so I can't 02:42	7 makes it available to the general public? 02:45
8 tell you the details. 02:42	8 A. I don't know. 02:45
9 Q. So what occurs after the publication has 02:42	9 Q. Do you know whether the NFPA charges local 02:45
10 been placed of the 2016? 02:42	10 government agencies the same price as it charges to 02:45
11 MS. MILLER-ZIEGLER: Objection. Vague. 02:42	11 the general public for access to the code? 02:46
12 THE WITNESS: What occurs? 02:42	12 A. I do not know. 02:46
13 BY MR. NERCESSIAN: 02:42	13 MS. MILLER-ZIEGLER: I'm going to object to 02:46
14 Q. It looks like if I'm reading this 02:42	14 that as vague. 02:46
15 correctly, it looks like there is a timeline leading 02:42	15 MR. NERCESSIAN: What was that? 02:46
16 up to July 1st, 2016. Do you see that? 02:43	
10 up to July 1st, 2010. Do you see that: 02.43	16 MS. MILLER-ZIEGLER: Just preserving 02:46
17 A. Uh-huh. 02:43	16 MS. MILLER-ZIEGLER: Just preserving 02:46 17 objection that that was vague. 02:46
	1
17 A. Uh-huh. 02:43	17 objection that that was vague. 02:46
17 A. Uh-huh. 02:43 18 Q. And then there's activity afterwards leading 02:43	17 objection that that was vague. 02:46 18 BY MR. NERCESSIAN:
17 A. Uh-huh. 02:43 18 Q. And then there's activity afterwards leading 02:43 19 up through January 1st, 2017. What occurs during 02:43	17 objection that that was vague. 02:46 18 BY MR. NERCESSIAN: 19 Q. Going to hand you one document. We can mark 02:46
17 A. Uh-huh. 02:43 18 Q. And then there's activity afterwards leading 02:43 19 up through January 1st, 2017. What occurs during 02:43 20 that intervening period? 02:43	17 objection that that was vague. 02:46 18 BY MR. NERCESSIAN: 19 Q. Going to hand you one document. We can mark 02:46 20 this next in order. I believe it's 9. 02:46
17 A. Uh-huh. 02:43 18 Q. And then there's activity afterwards leading 02:43 19 up through January 1st, 2017. What occurs during 02:43 20 that intervening period? 02:43 21 A. I can't read what the graphic says, and it's 02:43	17 objection that that was vague. 02:46 18 BY MR. NERCESSIAN: 19 Q. Going to hand you one document. We can mark 02:46 20 this next in order. I believe it's 9. 02:46 21 (Exhibit 9 marked) 02:46
17 A. Uh-huh. 02:43 18 Q. And then there's activity afterwards leading 02:43 19 up through January 1st, 2017. What occurs during 02:43 20 that intervening period? 02:43 21 A. I can't read what the graphic says, and it's 02:43 22 not what occurs in the intervening period. It is the 02:43	17 objection that that was vague. 02:46 18 BY MR. NERCESSIAN: 19 Q. Going to hand you one document. We can mark 02:46 20 this next in order. I believe it's 9. 02:46 21 (Exhibit 9 marked) 02:46 22 BY MR. NERCESSIAN: 02:46
17 A. Uh-huh. 02:43 18 Q. And then there's activity afterwards leading 02:43 19 up through January 1st, 2017. What occurs during 02:43 20 that intervening period? 02:43 21 A. I can't read what the graphic says, and it's 02:43 22 not what occurs in the intervening period. It is the 02:43 23 wait period from the publication date to the 02:43	17 objection that that was vague. 02:46 18 BY MR. NERCESSIAN: 19 Q. Going to hand you one document. We can mark 02:46 20 this next in order. I believe it's 9. 02:46 21 (Exhibit 9 marked) 02:46 22 BY MR. NERCESSIAN: 02:46 23 Q. You've been handed a document marked for 02:46

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1 A. No. 02:46	1 Q. How long ago was it? 02:49
2 Q. Do you know what the NCB coordination 02:47	2 A. At least a couple years. 02:49
3 process is? 02:47	3 Q. Would it have been before 2018? 02:49
4 A. Vaguely. 02:47	4 A. I don't know. 02:49
5 Q. What do you know of the NCB coordination 02:4'	
6 process? 02:47	6 bid process successfully for the 2019 cycle? 02:50
7 A. It's conducted by DGS prior to entering a 02:47	7 A. Yes. 02:50
8 contract for a noncompetitive bid with a outside 02:47	8 Q. Did the California Building Standards 02:50
9 entity. 02:47	9 Commission always go through a process by strike 02:51
10 Q. And so "NCB" stands for noncompetitive bid? 02:47	
11 A. Yes. 02:47	11 To your knowledge, did the State of 02:51
12 Q. Why is there a specific process for 02:47	12 California always rely on model codes in developing 02:51
13 noncompetitive bids with outside entities? 02:47	13 its building standards? 02:51
MR. FEE: Objection. Calls for speculation. 02:47	14 MS. MILLER-ZIEGLER: Objection. Form. 02:51
15 THE WITNESS: Yeah. I don't know. 02:47	MR. FEE: Objection. Calls for speculation. 02:51
16 BY MR. NERCESSIAN: 02:47	16 THE WITNESS: That's a very broad question. 02:51
17 Q. Do you know what the process entails? 02:47 18 A. No. 02:47	17 BY MR. NERCESSIAN: 02:51
	18 Q. Is it one that you have any knowledge of? 02:51
19 MR. FEE: Same objection. 02:47 20 THE WITNESS: No. 02:47	19 MR. FEE: Objection. Calls for speculation. 02:51
21 BY MR. NERCESSIAN: 02:47	20 THE WITNESS: Only in the recent history, 02:51
22 Q. Have you had to go through a noncompetitive 02:47	21 we've used model codes. I couldn't go back years and 02:51
23 bid process with respect to your work on the 2019 02:47	22 years and years. 02:51 23 BY MR. NERCESSIAN: 02:51
24 triennial edition of the California Building 02:48	24 Q. Are you aware of any time when California 02:51
25 Standards Codes? 02:48	25 would separately publish California amendments from 02:51
Page 142	Page 144
1 A. Yes. 02:48	1 model codes? 02:51
1 A. Yes. 02:48 2 Q. Did you fill out forms similar to this as a 02:48	1 model codes? 02:51 2 A. Yeah. It was a number of years ago. 02:51
2 Q. Did you fill out forms similar to this as a 02:48	2 A. Yeah. It was a number of years ago. 02:51
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48	<ul> <li>A. Yeah. It was a number of years ago. 02:51</li> <li>Q. Do you recall when that was? 02:51</li> <li>A. No. 02:51</li> </ul>
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49 20 THE WITNESS: I don't recall. 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08 20 Q. Ms. Marvelli, I'd like to return back to 03:08
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49 20 THE WITNESS: I don't recall. 02:49 21 BY MR. NERCESSIAN: 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08 20 Q. Ms. Marvelli, I'd like to return back to 03:08 21 Exhibit 7 a moment. Who at CBSC had principal roles 03:08
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49 20 THE WITNESS: I don't recall. 02:49 21 BY MR. NERCESSIAN: 02:49 22 Q. Did you have to provide any information to 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08 20 Q. Ms. Marvelli, I'd like to return back to 03:08 21 Exhibit 7 a moment. Who at CBSC had principal roles 03:08 22 in approving the terms of this contract? 03:08
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49 20 THE WITNESS: I don't recall. 02:49 21 BY MR. NERCESSIAN: 02:49 22 Q. Did you have to provide any information to 02:49 23 the Department of General Services in going through 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08 20 Q. Ms. Marvelli, I'd like to return back to 03:08 21 Exhibit 7 a moment. Who at CBSC had principal roles 03:08 22 in approving the terms of this contract? 03:08
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49 20 THE WITNESS: I don't recall. 02:49 21 BY MR. NERCESSIAN: 02:49 22 Q. Did you have to provide any information to 02:49 23 the Department of General Services in going through 02:49 24 the noncompetitive bid process during the 2019 cycle? 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08 20 Q. Ms. Marvelli, I'd like to return back to 03:08 21 Exhibit 7 a moment. Who at CBSC had principal roles 03:08 22 in approving the terms of this contract? 03:08 23 A. Well, I signed off on it, and then also, I 03:08 24 believe DGS Executive Office saw the contract. 03:08
2 Q. Did you fill out forms similar to this as a 02:48 3 part of that process? 02:48 4 A. Yes. 02:48 5 Q. Did you fill out the same forms that you're 02:48 6 seeing here? 02:48 7 A. I don't know if they're the exact same 02:48 8 forms. I don't know. 02:48 9 Q. When going through this process in the 2019 02:48 10 cycle, what disclosures needed to be made as part of 02:48 11 the process? 02:48 12 MS. MILLER-ZIEGLER: Objection. Lack of 02:48 13 foundation. 02:48 14 THE WITNESS: I don't recall. 02:48 15 BY MR. NERCESSIAN: 02:48 16 Q. What did you need to show in going through 02:48 17 the noncompetitive bid process during the 2019 cycle? 02:49 18 MS. MILLER-ZIEGLER: Objection. Lack of 02:49 19 foundation. 02:49 20 THE WITNESS: I don't recall. 02:49 21 BY MR. NERCESSIAN: 02:49 22 Q. Did you have to provide any information to 02:49 23 the Department of General Services in going through 02:49	2 A. Yeah. It was a number of years ago. 02:51 3 Q. Do you recall when that was? 02:51 4 A. No. 02:51 5 Q. Do you have any knowledge of why a switch 02:51 6 was made to create single incorporated volumes? 02:51 7 MR. FEE: Objection. 02:52 8 MS. MILLER-ZIEGLER: Objection to form. 02:52 9 THE WITNESS: No. 02:52 10 Quick question. If we're going to go on for 02:52 11 another 10, 15 minutes, can we take a quick break? 02:52 12 MR. NERCESSIAN: Yeah. There's no question 02:52 13 pending, so 02:52 14 THE WITNESS: Okay. 02:52 15 VIDEO OPERATOR: Off the record. It's 2:52. 02:52 16 (Recess) 02:52 17 VIDEO OPERATOR: Okay. We're back on the 03:07 18 record. It's 3:08. 03:07 19 BY MR. NERCESSIAN: 03:08 20 Q. Ms. Marvelli, I'd like to return back to 03:08 21 Exhibit 7 a moment. Who at CBSC had principal roles 03:08 22 in approving the terms of this contract? 03:08

1 the terms? 03:08	1 question. It would be just clarity. 03:11
2 MS. MILLER-ZIEGLER: Objection. Calls for 03:08	2 BY MR. NERCESSIAN: 03:11
3 speculation. 03:08	3 Q. I know. 03:11
4 THE WITNESS: The only other staff member at 03:08	4 A. Yeah. 03:11
5 CBSC was our staff services manager. 03:08	5 Q. But you can still answer it. 03:11
6 BY MR. NERCESSIAN: 03:08	6 A. I don't know the specifics. It was just 03:11
7 Q. And who was that? 03:08	7 clarity for how the contract read and certain wording 03:11
8 A. Katrina Benny. 03:09	8 of the codes and yeah. That's about it. 03:12
9 Q. What role did she play? 03:09	9 Q. Did you instruct Ms. Benny to make any 03:12
10 A. Drafting the information. 03:09	10 substantive changes to the contract terms? 03:12
11 Q. Drafting what information? 03:09	11 A. I don't recall. 03:12
12 A. The 2000 the information that you see in 03:09	12 Q. Did anyone tell you that any particular 03:12
13 the exhibit. 03:09	13 terms of the contract were important to the State? 03:12
14 Q. Did the information in this exhibit 03:09	14 A. That's 03:12
15 originate from CBSC? 03:09	15 MR. YEN: You can exclude communications 03:12
16 A. I don't know. It was similar to what was in 03:09	16 with lawyers 03:12
17 the last edition of the contract, so it wasn't 03:09	17 THE WITNESS: Okay. 03:12
18 originated. Not sure where it was originated from. 03:09	18 MR. YEN: in answering your question. 03:12
19 Q. Did Katrina Benny do the first draft of this 03:09	THE WITNESS: Yeah. So it would just be the 03:12
	20 discussions we had with the contracts unit. 03:12
20 contract? 03:10 21 A. I don't recall. 03:10	20 discussions we had with the contracts unit. 03:12 21 BY MR. NERCESSIAN: 03:12
	22 Q. And what were the substance of those 03:12
22 Q. Was this the first contract you had worked 03:10	
23 on? 03:10	
24 A. Yes. 03:10	
25 Q. Who at DGS played a role in approving the 03:10 Page 146	25 way it's written. 03:13 Page 148
1 terms of the contract? 03:10	1 Q. Did they call out any particular terms of 03:13
2 A. I don't have that. I don't know. 03:10	2 the contract that were important to the State? 03:13
3 Q. Did you have any conversations with anybody 03:10	3 MR. YEN: Objection. Vague. 03:13
4 at DGS regarding the terms of this contract? 03:10	4 THE WITNESS: Yeah. I don't know how to 03:13
5 MR. YEN: It's a "yes" or "no" question. 03:10	5 answer that. It's sort of a standard contract that 03:13
6 THE WITNESS: Yes. 03:10	6 is modified for a specific year. There isn't really 03:13
7 BY MR. NERCESSIAN: 03:10	7 a negotiation back and forth between BSC and the 03:13
8 Q. Who at DGS did you have conversations with 03:10	8 contracts unit on what is good or bad. It's more of 03:13
9 regarding the terms of this contract? 03:10	9 just the contents of it for this particular cycle. 03:13
10 A. It would have been reviewed by Legal as 03:10	10 BY MR. NERCESSIAN: 03:13
11 well. 03:11	11 Q. Do you recall how long the contract took to 03:13
12 Q. In addition to any other persons at DGS? 03:11	12 finalize? 03:13
13 A. The contract staff at DGS, but I don't know 03:11	13 A. I do not recall that. 03:13
14 who by name. 03:11	14 Q. Was it more than a month? 03:13
15 Q. Anybody else at DGS? 03:11	15 A. Yes, it was more than a month. 03:13
16 A. Not that I'm aware of. 03:11	16 Q. Was it more than two months? 03:13
17 Q. Did you have any discussions with Katrina 03:11	17 A. I don't recall. 03:13
18 Benny regarding the terms in this contract? 03:11	18 Q. Could it have been more than two months? 03:13
19 A. Yes. 03:11	19 MR. YEN: Objection. Calls for speculation. 03:14
20 Q. What were those conversations? 03:11	20 THE WITNESS: Yeah. 03:14
21 A. Just edits to the contract. 03:11	21 BY MR. NERCESSIAN: 03:14
22 Q. What edits did you prescribe to Ms. Benny 03:11	22 Q. You can still answer. 03:14
23 concerning the contract? 03:11	23 A. I don't recall. 03:14
24 MS. MILLER-ZIEGLER: Objection. Form. 03:11	24 Q. Could it have been more than six months? 03:14
25 THE WITNESS: Just that's a broad 03:11	25 MR. YEN: Objection. Calls for speculation. 03:14
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1 THE WITNESS: I honestly don't recall. 03:14	1 was consistent with contracts with other model code 03:18
2 BY MR. NERCESSIAN: 03:14	2 providers? 03:18
3 Q. Were you aware of any flexibility in 03:14	3 MS. MILLER-ZIEGLER: Objection. That 03:18
4 particular terms of the contract? 03:14	4 mischaracterizes her testimony. 03:18
5 MR. YEN: Objection. Vague. 03:14	5 THE WITNESS: When we develop the contracts 03:18
6 THE WITNESS: I don't know. 03:14	6 with the other model, the contracts are generally 03:18
7 BY MR. NERCESSIAN: 03:14	7 developed in the same amount of same timeframe 03:18
8 Q. Does that mean you weren't aware of any 03:14	8 because we're adopting the codes at the same cycle, 03:18
9 flexibility that existed in the terms of the 03:15	9 so the contract with IAPMO and the contract with ICC 03:19
10 contract? 03:15	10 are developed the similar time, and so they're 03:19
11 MR. YEN: Objection. Vague. 03:15	11 similar in nature. When I review them, I can see 03:19
12 THE WITNESS: I don't know. I'm not aware. 03:15	12 that they're similar in nature. 03:19
13 BY MR. NERCESSIAN: 03:15	13 BY MR. NERCESSIAN: 03:19
14 Q. And it's your testimony that you modelled 03:15	14 Q. What do you understand that this lawsuit is 03:19
15 this contract for the 2016 edition on past contracts? 03:15	15 about? 03:19
16 A. Yes. 03:15	16 MS. MILLER-ZIEGLER: Objection. It's 03:19
17 Q. Past contracts with NFPA? 03:15	17 outside the scope of the subpoena. 03:19
18 A. With other model code developers as well. 03:15	18 THE WITNESS: I wish I knew. 03:19
19 Q. Like this document marked next in order. 03:15	19 BY MR. NERCESSIAN: 03:19
20 (Exhibit 10 marked) 03:16	20 Q. Well, what do you know about 03:19
21 BY MR. NERCESSIAN: 03:16	21 Public.Resource? 03:19
22 Q. You have been handed a document marked for 03:16	22 A. They're a company that has codes online. 03:19
23 identification as Exhibit 10. What is this document? 03:16	23 That's all I know. 03:19
24 A. I don't know. 03:16	24 Q. What do you know about Carl Malamud? 03:19
25 Q. Have you seen this document? 03:16	25 A. They submitted he submitted a PRA request 03:19
Page 150	Page 152
1 A. Not prior to today, no. 03:16	1 through Public.Resource. 03:19
2 Q. Do you recall consulting this document or 03:16	2 Q. Have you had any communications regarding 03:19
3 any other similar documents in developing the terms 03:16	3 Public.Resource with anyone? 03:19
4 of the 2016 contract? 03:17	4 A. No. Just in regards to answering the PRAs 03:20
5 MR. YEN: Objection. Vague. 03:17	5 and just staff and coordinating the PRA requests. 03:20
6 THE WITNESS: I have not seen this document 03:17	6 Q. No communications outside of the context of 03:20
7 before. 03:17	7 the PRA requests? 03:20
8 BY MR. NERCESSIAN: 03:17	8 A. No, not that I'm aware of, no. 03:20
9 Q. This document identifies an agreement 03:17	9 Q. Have you had any communications about Carl 03:20
10 between BNi, NFPA and CBSC, does it not? 03:17	10 Malamud? 03:20
11 A. That's what the top reads, yes. 03:17	11 A. No. 03:20
12 Q. Want to call your attention to page 10 of 03:17	12 Q. Have you spoken to anyone at DGS about this 03:20
13 the document, to the signature page. 03:17	13 lawsuit? 03:20
14 A. Uh-huh. 03:17	14 MR. YEN: Again, excluding communications 03:20
15 Q. And underneath "Department of General 03:17	15 with any lawyers. 03:20
16 Services Procurement Division for the California	16 THE WITNESS: No. 03:20
17 Building Standards Commission," there's a signature. 03:17	17 BY MR. NERCESSIAN: 03:20
18 Can you read the name of the individual signing? 03:18	18 Q. Like to return back to Exhibit 2 a moment, 03:21
19 A. It says "Marnell Voss, Manager of the 03:18	19 and I'd like to call your attention again to the 03:21
20 Contracts and Acquisitions." 03:18	20 front page of the exhibit. Aside from those 03:21
21 Q. Do you know Marnell Voss? 03:18	21 notations on the cover page of the exhibit, do you 03:21
22 A. No. 03:18	22 recognize this document? 03:21
23 Q. Do you know of Marnell Voss? 03:18	23 MS. MILLER-ZIEGLER: Objection. 03:21
24 A. No. 03:18	24 Authenticity. 03:21
25 Q. How do you know that the 2016 NFPA contract 03:18	25 MR. FEE: What are you calling the cover 03:21
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1 page? 03:21	1 Q. So is there anything you can point to apart 03:24
2 MR. NERCESSIAN: Aside okay. Strike 03:21	2 from the cover that makes you doubt that this is the 03:24
3 that. 03:21	3 California Electrical Code? 03:24
4 BY MR. NERCESSIAN: 03:21	4 MS. MILLER-ZIEGLER: Same objection. 03:24
5 Q. I want to direct your attention to the 03:21	5 BY MR. NERCESSIAN: 03:24
6 page that reads "2016 California Electrical Code, 03:22	6 Q. You can take time to skim it. 03:24
7 California Code of Regulations, Title 24, Part 3." 03:22	7 MS. MILLER-ZIEGLER: The document's a 03:24
8 Do you see that? 03:22	8 thousand pages. 03:24
9 A. I see that. 03:22	9 THE WITNESS: I understand that you want me 03:24
10 Q. Aside from the notations on this page, do 03:22	10 to say that it's consistent, but I can't tell you 03:24
11 you recognize this document? 03:22	11 exactly if it's the code. It's similar in nature, 03:24
12 MR. FEE: Objection to form. 03:22	12 but I can't say that it is exactly the code. 03:24
13 MS. MILLER-ZIEGLER: Objection. 03:22	13 BY MR. NERCESSIAN: 03:25
MR. FEE: You're asking him to review every 03:22	14 Q. Do you recognize anything that suggests it 03:25
15 page of both of these binders and tell you if she 03:22	15 isn't? And you can take five to ten minutes to skim 03:25
16 recognizes it? What's the question? 03:22	16 through and look for something. 03:25
MR. NERCESSIAN: That's the question, does 03:22	2 17 A. Well, I'm not 03:25
18 she recognize this document. 03:22	18 MS. MILLER-ZIEGLER: Same objection. 03:25
19 MS. MILLER-ZIEGLER: Objection. 03:22	19 THE WITNESS: Yeah. I'm not an expert on 03:25
20 Authenticity. 03:22	20 everything that's in the California Electrical Code, 03:25
21 THE WITNESS: Yeah. It appears that it's 03:22	21 so for me to see something that is inconsistent, I 03:25
22 the California Electrical Code, but, again, it's a 03:22	22 couldn't I'd have to look at every page, and I'm 03:25
23 huge document to take a look at. 03:22	23 not an expert on the California Electrical Code. 03:25
24 BY MR. NERCESSIAN: 03:22	24 BY MR. NERCESSIAN: 03:26
25 Q. Any reason why, leaving aside the notations 03:22	25 Q. I'm just looking for something, one thing 03:26
Page 154	Page 156
1 on the cover page, that includes the title strike 03:22	1 other than those notations that makes you doubt that 03:26
2 that. 03:23	2 this is the 2016 California Electrical Code. Can you 03:26
3 Leaving aside the notations on the title 03:23	3 do that? 03:26
	5 do that? 05.20
4 page, anything apart from the cover that does not 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26
4 page, anything apart from the cover that does not 03:23 5 look consistent with the 2016 California Electrical 03:23	
	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26
5 look consistent with the 2016 California Electrical 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26
5 look consistent with the 2016 California Electrical 03:23 6 Code? 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26
5 look consistent with the 2016 California Electrical 03:23 6 Code? 03:23 7 MR. YEN: And if you need to look through it 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26 7 determination right now. 03:26
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5 look consistent with the 2016 California Electrical 03:23 6 Code? 03:23 7 MR. YEN: And if you need to look through it 03:23 8 to make sure that you can answer his question, 03:23 9 then 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26 7 determination right now. 03:26 8 THE WITNESS: I don't sorry. Repeat the 03:26 9 question again. 03:26
5 look consistent with the 2016 California Electrical 03:23 6 Code? 03:23 7 MR. YEN: And if you need to look through it 03:23 8 to make sure that you can answer his question, 03:23 9 then 03:23 10 THE WITNESS: Okay. And 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26 7 determination right now. 03:26 8 THE WITNESS: I don't sorry. Repeat the 03:26 9 question again. 03:26 10 BY MR. NERCESSIAN: 03:26
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5 look consistent with the 2016 California Electrical 03:23 6 Code? 03:23 7 MR. YEN: And if you need to look through it 03:23 8 to make sure that you can answer his question, 03:23 9 then 03:23 10 THE WITNESS: Okay. And 03:23 11 MR. YEN: go ahead. 03:23 12 THE WITNESS: what do you mean by 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26 7 determination right now. 03:26 8 THE WITNESS: I don't sorry. Repeat the 03:26 9 question again. 03:26 10 BY MR. NERCESSIAN: 03:26 11 Q. Is there anything, one thing other than the 03:26 12 notations on the cover page that reads "2016 03:27
5 look consistent with the 2016 California Electrical       03:23         6 Code?       03:23         7 MR. YEN: And if you need to look through it       03:23         8 to make sure that you can answer his question,       03:23         9 then       03:23         10 THE WITNESS: Okay. And       03:23         11 MR. YEN: go ahead.       03:23         12 THE WITNESS: what do you mean by       03:23         13 "consistent"?       03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26 7 determination right now. 03:26 8 THE WITNESS: I don't sorry. Repeat the 03:26 9 question again. 03:26 10 BY MR. NERCESSIAN: 03:26 11 Q. Is there anything, one thing other than the 03:26 12 notations on the cover page that reads "2016 03:27 13 California Electrical Code" that makes you doubt that 03:27
5 look consistent with the 2016 California Electrical 03:23 6 Code? 03:23 7 MR. YEN: And if you need to look through it 03:23 8 to make sure that you can answer his question, 03:23 9 then 03:23 10 THE WITNESS: Okay. And 03:23 11 MR. YEN: go ahead. 03:23 12 THE WITNESS: what do you mean by 03:23 13 "consistent"? 03:23 14 BY MR. NERCESSIAN: 03:23	4 MS. MILLER-ZIEGLER: Objection. You haven't 03:26 5 given her a copy of the California Electrical Code. 03:26 6 I'm not sure how she's supposed to make that 03:26 7 determination right now. 03:26 8 THE WITNESS: I don't sorry. Repeat the 03:26 9 question again. 03:26 10 BY MR. NERCESSIAN: 03:26 11 Q. Is there anything, one thing other than the 03:26 12 notations on the cover page that reads "2016 03:27 13 California Electrical Code" that makes you doubt that 03:27 14 this is the 2016 California Electrical Code? 03:27
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1 anything, aside from those notations, that makes you 03:27	1 Q. Are you aware whether any other State 03:31
2 doubt its authenticity. 03:27	2 agencies sell the California Electrical Code? 03:31
3 MS. MILLER-ZIEGLER: I'll renew my 03:28	3 A. I don't know that either. 03:31
4 objection. 03:28	4 Q. No further questions. 03:31
5 THE WITNESS: Again, I don't know. I'd 03:28	5 A. You're done-done? 03:31
6 have I don't know the whole code. It's similar. 03:28	6 Q. I'm done-done. 03:31
7 BY MR. NERCESSIAN: 03:28	7 A. Okay. Sorry.
8 Q. So there's nothing that you see aside from 03:28	8 No, I know, I know. I'm not done, he's 03:31
9 those two notations on the cover page that makes you 03:28	9 done. 03:31
10 doubt the authenticity of this document as the 2016 03:28	MR. YEN: You want to go off the record? 03:31
11 California Electrical Code? 03:28	VIDEO OPERATOR: We're off the record. It's 03:31
12 MS. MILLER-ZIEGLER: Objection. That 03:28	12 3:31. 03:31
13 mischaracterizes what she said. 03:28	13 (Recess) 03:31
14 THE WITNESS: Yeah. That's not what I said. 03:28	14 VIDEO OPERATOR: Okay. We're back on the 03:35
15 There's nothing I can find either way, so I don't 03:28	15 record. It's 3:35. 03:35
16 have an answer. 03:28	16 EXAMINATION 03:35
17 BY MR. NERCESSIAN: 03:28	17 BY MS. MILLER-ZIEGLER: 03:35
18 Q. And do you recognize any part of this 03:28	18 O. Ms. Marvelli, my name is Rachel 03:35
19 document as including a portion that you recognize to 03:28	19 Miller-Ziegler. I represent National Fire Protection 03:35
20 be the California Electrical Code? 03:28	20 Association, and we just have few areas that we want 03:35
20 be the Camornia Electrical Code? 03:28  21 MS. MILLER-ZIEGLER: Objection. 03:28	21 to follow up on or ask additional questions on. 03:35
22 Authenticity. 03:28	1
23 THE WITNESS: There's one section I 03:28	23 ever met before today? 03:35
24 recognize because the Building Standards Commission 03:29	24 A. No. 03:35
25 proposed regulations, so I do see one section that is 03:29  Page 158	25 Q. Have we ever spoken before today? 03:35 Page 160
1 456 150	1 450 100
1 in the code. 03:29	1 A. No. 03:35
2 BY MR. NERCESSIAN: 03:29	2 Q. Thanks. As we've talked some today about 03:35
3 Q. And what section is that? 03:29	3 the standards that CBSC uses to develop the 03:35
4 A. It's Article 625. It's in the second 03:29	4 California Building Standards Code, I'd like to talk 03:35
5 volume. It's on page 70-567. It's Article 625, and 03:29	5 to you a little bit more about those to start. 03:36
6 it's Section 625.1.1, and where you see the "BSC-CG" 03:29	6 Earlier in your testimony, you described 03:36
7 banner, the Building Standards Commission proposed 03:29	7 these standards as very detail-oriented. Do you 03:36
8 that amendment with HCD. 03:29	8 remember saying that? 03:36
9 Q. And this provision has, along the side, a 03:29	9 A. No. 03:36
10 notation that reads vertically "CACACAC." Is that to 03:30	10 MR. NERCESSIAN: Objection. 03:36
11 indicate that this is a California amendment? 03:30	11 Mischaracterizes testimony. 03:36
12 A. Yes. 03:30	12 BY MS. MILLER-ZIEGLER: 03:36
13 Q. Who handles the advertising for the 03:30	13 Q. It's at minute 22:15. I think you said 03:36
14 California Electrical Code? 03:30	14 these are reference stats that are very detail 03:36
15 MS. MILLER-ZIEGLER: Objection. Lacks 03:30	15 oriented. Would you say that the standards that CBSC 03:36
16 foundation. 03:30	16 relies on are detailed? 03:36
17 THE WITNESS: Not the Building Standards 03:30	17 A. Yes. 03:36
18 Commission. 03:30	18 Q. They tend to be rather long documents? 03:36
19 BY MR. NERCESSIAN: 03:30	19 A. The reference standards in the various codes 03:36
20 Q. Are you aware what entity does the 03:30	20 are detailed, yes. 03:36
21 advertising for the California Electrical Code? 03:30	21 Q. And are you familiar with the process that 03:36
22 A. I don't want to speculate. I don't know. 03:30	22 goes into developing those standards? 03:36
•	23 A. Not completely. 03:36
24 agencies advertise the California Electrical Code? 03:31	24 Q. Do you have some vague level of familiarity 03:36
	1 2

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1 A. Vague level, yes. 03:36	1 allowed to participate in that process? 03:38		
2 Q. I want to talk wet, let's talk generally. 03:36	2 A. I don't know. 03:38		
3 Could you tell me what you know about that process? 03:36	3 Q. Okay. Let's assume for a moment that the 03:38		
4 MR. NERCESSIAN: Objection. Calls for 03:37	4 CBSC couldn't rely on something like the National 03:38		
5 speculation. 03:37	5 Electrical Code to develop the California Electrical 03:38		
6 THE WITNESS: All I know is that it's the 03:37	6 Code. How would the Building Standards Commission go 03:39		
7 amendments, at a national level, to any model code, 03:37	7 about developing the CEC if it didn't have the NEC? 03:39		
8 are done through a national vetting. The reference 03:37	8 MR. NERCESSIAN: Objection. 03:39		
9 standards within those, I'm not familiar with that 03:37	9 THE WITNESS: I don't know how that would 03:39		
10 process. 03:37	10 happen. 03:39		
11 BY MS. MILLER-ZIEGLER: 03:37	11 BY MS. MILLER-ZIEGLER: 03:39		
12 Q. When you say that the amendments at a 03:37	12 Q. Would it be an incredibly resource-intensive 03:39		
13 national level, are you talking about, for example, 03:37	13 process? 03:39		
14 amendments to the National Electrical Code? 03:37	14 MR. NERCESSIAN: Same objection. 03:39		
15 MR. NERCESSIAN: Objection. 03:37	15 THE WITNESS: I don't know. I don't want to 03:39		
16 THE WITNESS: Yes. 03:37	16 speculate. 03:39		
17 BY MS. MILLER-ZIEGLER: 03:37	17 BY MS. MILLER-ZIEGLER: 03:39		
18 Q. Okay. Let's talk a little bit about the 03:37	18 Q. Would you agree that it would be more 03:39		
19 process to develop something like the electrical 03:37	19 difficult for the CBSC to make the California 03:39		
20 code. Are you familiar with what that process looks 03:37	20 Electrical Code if it couldn't incorporate elements 03:39		
21 like? 03:37	21 of the National Electrical Code? 03:39		
22 MR. NERCESSIAN: Objection. 03:37 23 THE WITNESS: Less familiar with the 03:37	3		
24 electrical code and more familiar with the 03:37			
	24 more difficult, yes. 03:39 25 BY MS. MILLER-ZIEGLER: 03:39		
25 International Code Council's process for the various 03:37 Page 162	Page 164		
1 codes that they develop. 03:37	1 Q. You said, I think, earlier that your office 03:39		
2 BY MS. MILLER-ZIEGLER: 03:37	2 has 14 staff; is that correct? 03:39		
3 Q. Could you tell me what your understanding of 03:37	3 A. Yes. 03:39		
4 that process is? 03:37	4 Q. Do you think it would be possible for that 03:39		
5 MR. NERCESSIAN: Objection. Vague, calls 03:3'	7 5 14 staff office to write the California Electrical 03:39		
6 for speculation. 03:38	6 Code from scratch? 03:40		
7 THE WITNESS: The process for the 03:38	7 MR. NERCESSIAN: Objection. 03:40		
8 International Building Code, for example, is there 03:38	8 THE WITNESS: No, would not be possible. 03:40		
9 are entities out there that propose code changes, and 03:38	9 BY MS. MILLER-ZIEGLER: 03:40		
10 they go through a code development process, they're 03:38			
11 voted on at a national level, and then they're 03:38	11 office and the commissioners to write the code from 03:40		
12 correlated and published into the next edition of 03:38	12 scratch? 03:40		
13 the for example, the International Building Code. 03:38	13 MR. NERCESSIAN: Same objection. 03:40		
14 BY MS. MILLER-ZIEGLER: 03:38	14 THE WITNESS: No. 03:40		
15 Q. Is it your understanding that there's 03:38	15 BY MS. MILLER-ZIEGLER: 03:40		
16 technical experts involved in that process? 03:38	16 Q. Would it be fair to say that the California 03:40		
17 A. Yes. 03:38	17 Building Codes Commission relies a great deal on the 03:40		
18 MR. NERCESSIAN: Objection. 03:38	18 National Electrical Code? 03:40		
19 BY MS. MILLER-ZIEGLER: 03:38	19 MR. NERCESSIAN: Objection. 03:40		
20 Q. Is it your understanding that there is some 03:38	20 THE WITNESS: We're required by law to adopt 03:40		
21 industry participation in that process? 03:38	21 the National Electrical Code, so that's where we rely 03:40		
22 A. Yes. 03:38	22 on, yeah. 03:40		
23 MR. NERCESSIAN: Objection. 03:38	23 BY MS. MILLER-ZIEGLER: 03:40		
24 BY MS. MILLER-ZIEGLER: 03:38	24 Q. Does your office view the codes that you 03:40		
25 Q. Is it your understanding that the public is 03:38	25 excuse me the standards that you adopt as 03:40		
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1	1		

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1 high-quality standards? 03:41	1 final sentence, it reads "The National Fire 03:43
2 MR. NERCESSIAN: Objection. 03:41	2 Protection Association, Inc. (NFPA) owns a copyright 03:43
THE WITNESS: Well, they're the minimum 03:41	3 to the National Electrical Code and the acronym 03:43
4 building standards for the State of California to 03:41 4 (NEC)." Is that what it says? 5 use. 03:41 5 A. Yes.	4 (NEC)." Is that what it says? 03:43
	5 A. Yes. 03:43
6 BY MS. MILLER-ZIEGLER: 03:41	6 Q. And then if I could have you look at just a 03:43
7 Q. I think earlier you talked about these 03:41	7 little farther down, section one, paragraph A. So 03:43
8 standards, or at least some of these standards are 03:41	8 that says "NFPA is the sole owner of the copyright to 03:44
9 important for health and safety in the State; is that 03:41	9 the NFPA 70 National Electrical Code 2014 Edition." 03:44
0 correct? 03:41	10 Is that what that says? 03:44
1 A. That is correct. 03:41	11 A. Yes. 03:44
2 Q. Would CBSC rely on codes that would CBSC 03:41	12 Q. So earlier today, you got asked some 03:44
3 rely on inferior or poor-quality codes to regulate 03:41	13 questions about whether publishers of the code 03:44
4 health and safety in the State? 03:41	14 claimed copyright in the California Electrical Code, 03:44
5 A. I'm not sure ow to answer. I don't have an 03:41	15 and I just want to clarify for the record that based 03:44
6 answer for that question. Sorry. It's vague. 03:41	16 on these paragraphs, what NFPA is claiming copyright 03:44
7 Q. Sure. Earlier, I think you said that one of 03:41	17 in is the National Electrical Code, not the 03:44
8 the nine-point criteria is that California codes are 03:41	18 California Electrical Code; is that right? 03:44
9 supposed to protect public health and safety; is that 03:42	19 MR. NERCESSIAN: Objection. 03:44
0 right? 03:42	20 THE WITNESS: That's what this contract 03:44
1 A. Yes. 03:42	21 says, yes. 03:44
Q. So something like the CEC, that incorporates 03:42	22 BY MS. MILLER-ZIEGLER: 03:44
3 parts of the NEC. In doing so, do you think that 03:42	23 Q. Do you see any did anything I just read 03:44
4 reflects a judgment that the NEC adequately protects 03:42	24 say anything about NFPA claiming copyright in the 03:44
5 health and safety? 03:42	25 California Electrical Code? 03:44
Page 166	Page 1
1 MR. NERCESSIAN: Objection. 03:42	1 A. Not in these, no. 03:44
THE WITNESS: That the nine-point criteria 03:42	2 Q. Did anything in what I just read say 03:44
3 is met, then yes. 03:42	3 anything about the NFPA claiming copyright in the 0.
4 BY MS. MILLER-ZIEGLER: 03:42	4 California amendments? 03:44
Q. So in relying on the NEC as part of the CEC, 03:42	5 A. No. 03:44
6 the commissioners are making a judgment that those 03:42	6 Q. You also spoke some today about the process 03
7 parts of the NEC that they incorporate are methods of 03:42	
	/ that goes into developing the California Electrical 03:4
protecting public health and safety in the State; is 03:42	
B protecting public health and safety in the State; is 03:42 D that right? 03:42	8 Code. I won't try to summarize the entire thing, but 03: 9 is it fair to say that at a high level, various State 03:45
B protecting public health and safety in the State; is 03:42 that right? 03:42  MR. NERCESSIAN: Objection. 03:42	8 Code. I won't try to summarize the entire thing, but 03: 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0.
B protecting public health and safety in the State; is 03:42 C that right? 03:42 C MR. NERCESSIAN: Objection. 03:42 C THE WITNESS: That's the determination that 03:42	8 Code. I won't try to summarize the entire thing, but 03: 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0
B protecting public health and safety in the State; is 03:42 that right? 03:42  MR. NERCESSIAN: Objection. 03:42  THE WITNESS: That's the determination that 03:42 the commissions have made if they so choose to adopt 03:42	8 Code. I won't try to summarize the entire thing, but 03:9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0.11 involved in developing the California Electrical 03:41 12 Code? 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1 MR. NERCESSIAN: Objection. 03:42 1 THE WITNESS: That's the determination that 03:42 2 the commissions have made if they so choose to adopt 03:42 3 those codes. 03:42	8 Code. I won't try to summarize the entire thing, but 03:4 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:4 12 Code? 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1 MR. NERCESSIAN: Objection. 03:42 1 THE WITNESS: That's the determination that 03:42 2 the commissions have made if they so choose to adopt 03:42 3 those codes. 03:42 4 BY MS. MILLER-ZIEGLER: 03:42	8 Code. I won't try to summarize the entire thing, but 03: 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0. 11 involved in developing the California Electrical 03:4 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1 MR. NERCESSIAN: Objection. 03:42 1 THE WITNESS: That's the determination that 03:42 2 the commissions have made if they so choose to adopt 03:42 3 those codes. 03:42 4 BY MS. MILLER-ZIEGLER: 03:42 5 Q. I want to talk to you some about your 03:42	8 Code. I won't try to summarize the entire thing, but 03: 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0: 11 involved in developing the California Electrical 03:4 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 10 MR. NERCESSIAN: Objection. 03:42 11 THE WITNESS: That's the determination that 03:42 12 the commissions have made if they so choose to adopt 03:42 13 those codes. 03:42 14 BY MS. MILLER-ZIEGLER: 03:42 15 Q. I want to talk to you some about your 03:42 16 agreements with NFPA in particular. If you could 03:43	8 Code. I won't try to summarize the entire thing, but 03:45 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:45 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	8 Code. I won't try to summarize the entire thing, but 03:4 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:4 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	8 Code. I won't try to summarize the entire thing, but 03:45 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:45 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45 18 A. Yes. 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	8 Code. I won't try to summarize the entire thing, but 03:45 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:4 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45 18 A. Yes. 03:45 19 Q. And the commission is the one that's 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	8 Code. I won't try to summarize the entire thing, but 03:45 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:4 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45 18 A. Yes. 03:45 19 Q. And the commission is the one that's 03:45 20 ultimately responsible for taking one of those four 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	8 Code. I won't try to summarize the entire thing, but 03:45 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0:11 involved in developing the California Electrical 03:4 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45 18 A. Yes. 03:45 19 Q. And the commission is the one that's 03:45 20 ultimately responsible for taking one of those four 03:42 21 actions that you spoke about earlier with respect to 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	10 agencies and the commissioners, among others, are 0.11 involved in developing the California Electrical 03:45 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45 18 A. Yes. 03:45 19 Q. And the commission is the one that's 03:45 20 ultimately responsible for taking one of those four 03:45 21 actions that you spoke about earlier with respect to 03:45 22 the code; is that right? 03:45
8 protecting public health and safety in the State; is 03:42 9 that right? 03:42 1	8 Code. I won't try to summarize the entire thing, but 03: 9 is it fair to say that at a high level, various State 03:45 10 agencies and the commissioners, among others, are 0. 11 involved in developing the California Electrical 03:45 12 Code? 03:45 13 A. Yes. 03:45 14 MR. NERCESSIAN: Objection. 03:45 15 BY MS. MILLER-ZIEGLER: 03:45 16 Q. State agencies sometimes draft amendments 03 17 for the California Electrical Code; is that right? 03:45 18 A. Yes. 03:45 19 Q. And the commission is the one that's 03:45 20 ultimately responsible for taking one of those four 03:45 21 actions that you spoke about earlier with respect to 03:45

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03:45

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25 page of the exhibit. So in that first paragraph, the 03:43

25 Let's see. It looks like the fourth page of

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1 Exhibit A. It begins, paragraph six, "Work Details." 03:45	1 agreement signed? When was your signature on this 03:47	
2 So if you look in the first few lines of paragraph A, 03:45	2 agreement? 03:48	
3 it says "NFPA shall, in accordance with the specific 03:46	3 A. May 16th, 2016. 03:48	
4 formatting requirements and editorial and education 03:46	4 Q. And if you look at the second page, that top 03:48	
5 timetable set forth herein, print, publish and make 03:46	5 paragraph under "Scope of Work," what version of the 03:48	
6 available for sale to the State of California, local 03:46	6 NEC does the 2016 CEC incorporate? 03:48	
7 government agencies and to the general public, on or 03:46	7 A. The 2014 National Electrical Code. 03:48	
8 before July 1st, 2016, or at a later date as set by 03:46	8 Q. Is it your understanding that the 2014 NEC 03:48	
9 CBSC, copies of the 2016 CEC"; is that right? 03:46	9 was already completed in 2016? 03:48	
10 A. Yes. 03:46	10 A. Yes. 03:48	
11 Q. So would it be correct to say that what I 03:46	11 Q. In fact, wasn't the 2014 NEC already 03:48	
12 just read indicates that NFPA is responsible for 03:46	12 copyrighted in 2016? 03:48	
13 printing and publishing the 2016 CEC? 03:46	13 MR. NERCESSIAN: Objection. 03:48	
14 MR. NERCESSIAN: Objection. 03:46	14 THE WITNESS: Yeah. I don't know the answer 03:48	
15 THE WITNESS: Yes, that's accurate. 03:46	15 to that. 03:48	
16 BY MS. MILLER-ZIEGLER: 03:46	16 BY MS. MILLER-ZIEGLER: 03:48	
17 Q. Does the portion of the sentence I read say 03:46	17 Q. Sure. So if you look at that top 03:48	
18 anything about NFPA being responsible for determining 03:46	18 paragraph sorry. Actually, if you look at 03:48	
19 the content of the 2016 CEC? 03:46	18 paragraph sorry. Actually, if you look at U3:48  19 paragraph 1-A where it says "NFPA is the sole owner 03:48	
20 A. No, not here, no, not what you just read. 03:46	20 of the copyright to the NFPA 70 National Electrical 03:48	
21 Q. Did what I just read say anything about NFPA 03:46	21 Code 2014 Edition," that sentence would seem to 03:48	
22 drafting California amendment for the CEC? 03:46	22 suggest that at the time this agreement was signed, 03:49	
23 A. No. 03:47	23 the NFPA held copyright in the 2014 Edition of the 03:49	
24 Q. Did what I just read say anything about NFPA 03:47	24 NEC. Does that sound right? 03:49	
25 approving or taking any of those four actions that 03:47	25 MR. NERCESSIAN: Objection. 03:49	
Page 170	Page 172	
1 the commission takes with respect to the California 03:47	1 THE WITNESS: That's what this reads, yes. 03:49	
2 Electrical Code? 03:47	2 BY MS. MILLER-ZIEGLER: 03:49	
3 A. No. 03:47	3 Q. So if the 2014 NEC was already completely 03:49	
4 Q. Are you aware of any way in which NFPA is 03:47	4 drafted at the time that you signed this agreement, 03:49	
5 involved in dictating the content of the California 03:47	5 could this agreement have dictated the content of the 03:49	
6 Electrical Code? 03:47	6 2014 NEC? 03:49	
7 MR. NERCESSIAN: Objection. 03:47	7 MR. NERCESSIAN: Objection. 03:49	
8 THE WITNESS: I don't know what you mean by 03:47	8 THE WITNESS: I don't believe so. 03:49	
9 "dictating the content." 03:47	9 BY MS. MILLER-ZIEGLER: 03:49	
10 BY MS. MILLER-ZIEGLER: 03:47	10 Q. I want to move to talking a little bit about 03:49	
11 Q. Sure. So are you aware of any way in which 03:47	11 how people get access to the CEC. Are there ways 03:49	
12 NFPA drafts amendments excuse me drafts 03:47	12 that somebody could view the CEC for free? 03:49	
13 California amendments for the California Electrical 03:47	13 A. Yes. 03:49	
	14 Q. Could you tell me what those ways include? 03:49	
14 Code? 03:47		
15 A. Not California amendments, no. 03:47		
16 Q. Are you aware of any way in which NFPA 03:47	16 publisher, and they could view the code, the CEC for 03:49	
17 approves the California Electrical Code? 03:47	17 free there. 03:50	
18 A. No. 03:47	18 Q. So it doesn't cost any money to view the CEC 03:50	
19 MR. NERCESSIAN: Objection. 03:47	19 online in that method? 03:50	
	1711 A In that mathed compact (17151)	
20 BY MS. MILLER-ZIEGLER: 03:47	20 A. In that method, correct. 03:50	
21 Q. I want to talk to you about the other side 03:47	21 MR. NERCESSIAN: Objection. 03:50	
21 Q. I want to talk to you about the other side 03:47 22 of things, California's role in determining the 03:47	21 MR. NERCESSIAN: Objection. 03:50 22 BY MR. NERCESSIAN: 03:50	
21 Q. I want to talk to you about the other side 03:47	21 MR. NERCESSIAN: Objection. 03:50 22 BY MR. NERCESSIAN: 03:50 23 Q. Do you know if the NEC is available online? 03:50	
21 Q. I want to talk to you about the other side 03:47 22 of things, California's role in determining the 03:47	21 MR. NERCESSIAN: Objection. 03:50 22 BY MR. NERCESSIAN: 03:50 23 Q. Do you know if the NEC is available online? 03:50 24 A. I don't know. 03:50	
21 Q. I want to talk to you about the other side 03:47 22 of things, California's role in determining the 03:47 23 content of the National Electrical Code. If you keep 03:47 24 looking at this 2016 agreement as an example, if you 03:47 25 could flip back to the first page. When was this 03:47	21 MR. NERCESSIAN: Objection. 03:50 22 BY MR. NERCESSIAN: 03:50 23 Q. Do you know if the NEC is available online? 03:50 24 A. I don't know. 03:50 25 Q. You got asked some questions today about 03:50	
21 Q. I want to talk to you about the other side 03:47 22 of things, California's role in determining the 03:47 23 content of the National Electrical Code. If you keep 03:47 24 looking at this 2016 agreement as an example, if you 03:47	21 MR. NERCESSIAN: Objection. 03:50 22 BY MR. NERCESSIAN: 03:50 23 Q. Do you know if the NEC is available online? 03:50 24 A. I don't know. 03:50	

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1 whether you had ever viewed the CEC online. Do you 03:50	1 to the deposit libraries in Attachment A, selected 03:52
2 remember that? 03:50	2 deposit libraries in Attachment B, and copies to 03:52
3 A. Yes. 03:50	3 State agencies? 03:52
4 Q. You were asked whether you had tried to 03:50	4 A. Yes. 03:52
5 print or extract text from the CEC? 03:50	5 Q. Okay. If I could have you take a look at 03:52
6 A. Yes. 03:50	6 Attachment A. It's numbered 263332 in the bottom if 03:52
7 Q. And you said you hadn't attempted to do 03:50	7 that helps. 03:52
8 that; right? 03:50	8 A. I'm sorry. Which one? 03:52
9 A. Correct. 03:50	9 Q. Exhibit A, Attachment A. 03:52
10 Q. You were, however, able to view the CEC 03:50	10 A. Attachment Exhibit A, Attachment A. 03:52
11 online; correct? 03:50	11 Okay. Hold on here. Okay. Ending in 32? 03:53
12 A. Yes. 03:50	12 Q. Yes. Exactly. 03:53
13 MR. NERCESSIAN: Objection. 03:50	13 A. Okay. 03:53
14 BY MS. MILLER-ZIEGLER: 03:50	14 Q. So could you tell me what's listed on this 03:53
15 Q. You were able to read the code online 03:50	15 page? 03:53
16 through free access; is that right? 03:50	16 A. It appears it's a complete depository 03:53
17 A. Yes. 03:50	17 library list that we provided NFPA. 03:53
18 MR. NERCESSIAN: Objection. 03:50	18 Q. So under the agreement with NFPA, NFPA is 03:53
19 BY MS. MILLER-ZIEGLER: 03:50	19 required to deliver copies of the CEC to each of 03:53
20 Q. So is there another way that somebody could 03:50	20 these; is that right? 03:53
21 read the CEC for free? Are there print copies 03:50	21 A. That's requirement, yes. 03:53
22 available for free anywhere? 03:50	22 Q. And if you could flip two pages forward to 03:53
23 A. Yes. 03:50	23 Exhibit A, Attachment B. 03:53
24 Q. Where are those print copies available? 03:50	24 A. Yes. 03:53
25 A. I spoke earlier about local 03:50	25 Q. Could you tell me what's on this page? 03:53
Page 174	Page 176
1 MR. NERCESSIAN: Objection. 03:50	1 A. Selective Depository Libraries, a list. 03:53
1 MR. NERCESSIAN: Objection. 03:50 2 BY MS. MILLER-ZIEGLER: 03:51	1 A. Selective Depository Libraries, a list. 03:53 2 Q. And under the agreement with CBSC, NEC would 03:53
2 BY MS. MILLER-ZIEGLER: 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53
2 BY MS. MILLER-ZIEGLER:       03:51         3 Q. Go ahead.       03:51         4 A. Okay. I spoke earlier about local       03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54
2 BY MS. MILLER-ZIEGLER:  3 Q. Go ahead.  4 A. Okay. I spoke earlier about local  5 jurisdictions make available the code and also the  6 repository libraries and law libraries that were in  7 the back of the exhibit. They're made available  8 there.  9 Q. Great. And so if we could look at let's  9 Q. Great. And so if we could look at let's  10 see. If you could look at the very last page of  11 Exhibit 7. So on that top paragraph, the first full  12 sentence, it reads "During the term of this  13 agreement, NFPA shall deliver complimentary copies of 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51 15 supplements, supplements to the 2016 CEC in response 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54 15 A. Okay. 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51 15 supplements, supplements to the 2016 CEC in response 03:51 16 to emergency regulations, and all related errata 03:51	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54 15 A. Okay. 03:54 16 Q. So you were asked earlier today whether you 03:54
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2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51 15 supplements, supplements to the 2016 CEC in response 03:51 16 to emergency regulations, and all related errata 03:51 17 sheets, directly to the deposit libraries listed in 03:52 18 Attachment A hereto in the quantities set forth 03:52 19 therein, and one copy each to the Selective 03:52 20 Depository Libraries listed in Attachment B hereto, 21 and copies to the State agencies as directed by 03:52 22 CBSC." Do you see that on that page? 03:52	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54 15 A. Okay. 03:54 16 Q. So you were asked earlier today whether you 03:54 17 knew where the closest law library was that you could 03:54 18 view a copy of the California Electrical Code. Do 03:54 19 you remember that? 03:54 20 A. Yes. 03:54 21 Q. So if you can look at the complete 03:54 22 depository list. What city is the first item in the 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51 15 supplements, supplements to the 2016 CEC in response 03:51 16 to emergency regulations, and all related errata 03:51 17 sheets, directly to the deposit libraries listed in 03:52 18 Attachment A hereto in the quantities set forth 03:52 19 therein, and one copy each to the Selective 03:52 20 Depository Libraries listed in Attachment B hereto, 21 and copies to the State agencies as directed by 03:52 22 CBSC." Do you see that on that page? 03:52 23 A. Yes. 03:52	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54 15 A. Okay. 03:54 16 Q. So you were asked earlier today whether you 03:54 17 knew where the closest law library was that you could 03:54 18 view a copy of the California Electrical Code. Do 03:54 19 you remember that? 03:54 20 A. Yes. 03:54 21 Q. So if you can look at the complete 03:54 22 depository list. What city is the first item in the 03:54 23 list? 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51 15 supplements, supplements to the 2016 CEC in response 03:51 16 to emergency regulations, and all related errata 03:51 17 sheets, directly to the deposit libraries listed in 03:52 18 Attachment A hereto in the quantities set forth 03:52 19 therein, and one copy each to the Selective 03:52 20 Depository Libraries listed in Attachment B hereto, 21 and copies to the State agencies as directed by 03:52 22 CBSC." Do you see that on that page? 03:52 23 A. Yes. 03:52 24 Q. So am I correct in saying that based on this 03:52	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54 15 A. Okay. 03:54 16 Q. So you were asked earlier today whether you 03:54 17 knew where the closest law library was that you could 03:54 18 view a copy of the California Electrical Code. Do 03:54 19 you remember that? 03:54 20 A. Yes. 03:54 21 Q. So if you can look at the complete 03:54 22 depository list. What city is the first item in the 03:54 23 list? 03:54 24 A. Sacramento. 03:54
2 BY MS. MILLER-ZIEGLER: 03:51 3 Q. Go ahead. 03:51 4 A. Okay. I spoke earlier about local 03:51 5 jurisdictions make available the code and also the 03:51 6 repository libraries and law libraries that were in 03:51 7 the back of the exhibit. They're made available 03:51 8 there. 03:51 9 Q. Great. And so if we could look at let's 03:51 10 see. If you could look at the very last page of 03:51 11 Exhibit 7. So on that top paragraph, the first full 03:51 12 sentence, it reads "During the term of this 03:51 13 agreement, NFPA shall deliver complimentary copies of 03:51 14 the 2016 CEC and automatically any 2016 CEC 03:51 15 supplements, supplements to the 2016 CEC in response 03:51 16 to emergency regulations, and all related errata 03:51 17 sheets, directly to the deposit libraries listed in 03:52 18 Attachment A hereto in the quantities set forth 03:52 19 therein, and one copy each to the Selective 03:52 20 Depository Libraries listed in Attachment B hereto, 21 and copies to the State agencies as directed by 03:52 22 CBSC." Do you see that on that page? 03:52 23 A. Yes. 03:52	2 Q. And under the agreement with CBSC, NEC would 03:53 3 be required to deliver copies to each of these 03:53 4 libraries; is that right? 03:54 5 A. Yes. 03:54 6 Q. Not going to make you count all the 03:54 7 libraries on this page or in this attachment, but 03:54 8 could you just tell me how many pages the attachment 03:54 9 is? 03:54 10 A. Are you referring to Attachment B? 03:54 11 Q. Yes. Exhibit A, Attachment B. 03:54 12 A. Four pages. 03:54 13 Q. Can you flip back to Exhibit A, 03:54 14 Attachment A? 03:54 15 A. Okay. 03:54 16 Q. So you were asked earlier today whether you 03:54 17 knew where the closest law library was that you could 03:54 18 view a copy of the California Electrical Code. Do 03:54 19 you remember that? 03:54 20 A. Yes. 03:54 21 Q. So if you can look at the complete 03:54 22 depository list. What city is the first item in the 03:54 23 list? 03:54

45 (Pages 174 - 177)

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1 list? 03:54	1 available to print disabled individuals? 03:56		
2 A. Sacramento. 03:54	2 MR. NERCESSIAN: Objection. 03:56		
3 Q. If I can have you turn to Exhibit A, 03:54	3 THE WITNESS: Not for the electrical code, 03:56		
4 Attachment B, the first page. If you look at that 03:54	4 I'm not aware of any questions. 03:56		
5 list, third from the bottom, what city is that 03:55	5 BY MS. MILLER-ZIEGLER: 03:56		
6 library? 03:55	6 Q. Are you aware of any requests that CBSC has 03:56		
7 A. Sacramento. 03:55	7 received about making the California Electrical Code 03:57		
8 Q. If I can have you turn to the next page. 03:55	8 available to mobility impaired individuals? 03:57		
9 Second library down, what city is that? 03:55	9 A. No. 03:57		
10 A. Sacramento. 03:55	10 Q. Are you aware of any requests CBSC has 03:57		
11 Q. If you look near the bottom, the McGeorge 03:55	11 received about making the California Electrical Code 03:57		
12 School of Law, what city is that library? 03:55	12 available to those who lack sight? 03:57		
13 A. Sacramento. 03:55	13 A. No. 03:57		
14 Q. If I can have you flip to the next page. 03:55	14 Q. Are you aware of any requests CBSC has 03:57		
15 Looks like sixth one down. Sixth one down, what city 03:55	15 received about making California Electrical Code 03:57		
16 is that library? 03:55	16 available to those with accessibility issues? 03:57		
17 A. Sacramento. 03:55	17 A. No. 03:57		
18 Q. And the one underneath that, what city is 03:55	18 Q. If I could have you take a look at 03:57		
19 that library there? 03:55	19 Exhibit 6. We talked some earlier today you 03:57		
20 A. Sacramento. 03:55	20 talked some earlier today about this first email in 03:57		
21 Q. So there would be at least seven different 03:55	21 this stack. 03:57		
22 places within the Sacramento area that you could view 03:55	22 A. Uh-huh. 03:57		
23 a copy of the California Electrical Code for free; is 03:55	23 Q. So I'll read that first sentence. "Just 03:57		
24 that right? 03:55	24 received a phone call from Suren at (818) 506-6671, 03:57		
25 MR. NERCESSIAN: Objection. 03:55	25 and he tried to review the code, Part 2.5, on the BSC 03:57		
Page 178	Page 180		
1 THE WITNESS. The decoder day of the decomposition	1 waksite and it come up with someon print below the 02.59		
1 THE WITNESS: That's what this document 03:55	1 website, and it came up with screen print below the 03:58		
2 states, yes. 03:55	2 ICC page and wanting him to pay for the premium 03:58 3 access in order to view the code." Do you see that 03:58		
3 BY MS. MILLER-ZIEGLER: 03:55 4 O. Would it be fair to say that there's a 03:55	3 access in order to view the code." Do you see that 03:58 4 written there? 03:58		
4 Q. Would it be fair to say that there's a 03:55 5 number of places that somebody in this area could 03:56	5 A. I see that written there. 03:58		
6 view the CEC for free then? 03:56	6 Q. So that refers to Part 2.5 of the code; is 03:58		
7 A. Yes. 03:56	7 that right? 03:58		
	/ that right:		
	8 A Vec 03:58		
8 MR. NERCESSIAN: Objection. 03:56	8 A. Yes. 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56	9 Q. So that's not the California Electrical 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56 11 the California Electrical Code who was unable to do 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58 11 A. That's correct. 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56 11 the California Electrical Code who was unable to do 03:56 12 so? 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58 11 A. That's correct. 03:58 12 Q. And it refers to the ICC; is that right? 03:58		
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9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56 11 the California Electrical Code who was unable to do 03:56 12 so? 03:56 13 MR. NERCESSIAN: Objection. 03:56 14 THE WITNESS: I'm not aware of that. 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58 11 A. That's correct. 03:58 12 Q. And it refers to the ICC; is that right? 03:58 13 A. That's correct. 03:58 14 Q. It's not the NFPA; is that correct? 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56 11 the California Electrical Code who was unable to do 03:56 12 so? 03:56 13 MR. NERCESSIAN: Objection. 03:56 14 THE WITNESS: I'm not aware of that. 03:56 15 BY MS. MILLER-ZIEGLER: 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58 11 A. That's correct. 03:58 12 Q. And it refers to the ICC; is that right? 03:58 13 A. That's correct. 03:58 14 Q. It's not the NFPA; is that correct? 03:58 15 A. Correct. 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56 11 the California Electrical Code who was unable to do 03:56 12 so? 03:56 13 MR. NERCESSIAN: Objection. 03:56 14 THE WITNESS: I'm not aware of that. 03:56 15 BY MS. MILLER-ZIEGLER: 03:56 16 Q. You said earlier that sometimes CBSC would 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58 11 A. That's correct. 03:58 12 Q. And it refers to the ICC; is that right? 03:58 13 A. That's correct. 03:58 14 Q. It's not the NFPA; is that correct? 03:58 15 A. Correct. 03:58 16 Q. So this email is not about any issues with 03:58		
9 BY MS. MILLER-ZIEGLER: 03:56 10 Q. Are you aware of anyone who wanted to access 03:56 11 the California Electrical Code who was unable to do 03:56 12 so? 03:56 13 MR. NERCESSIAN: Objection. 03:56 14 THE WITNESS: I'm not aware of that. 03:56 15 BY MS. MILLER-ZIEGLER: 03:56 16 Q. You said earlier that sometimes CBSC would 03:56 17 get calls about broken links. Do you recall if any 03:56	9 Q. So that's not the California Electrical 03:58 10 Code; right? 03:58 11 A. That's correct. 03:58 12 Q. And it refers to the ICC; is that right? 03:58 13 A. That's correct. 03:58 14 Q. It's not the NFPA; is that correct? 03:58 15 A. Correct. 03:58 16 Q. So this email is not about any issues with 03:58 17 the California Electrical Code; is that correct? 03:58		
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46 (Pages 178 - 181)

	1 State it would be fully accounted to continue its 04.01
1 on page three that begins "All occupancies." Do you 03:59	1 State, it wouldn't be fully accurate to say that it's 04:01
2 remember talking about that? 03:59	2 just governed by the national model codes; is that 04:01
3 A. Yes. 03:59	3 right? 04:01
4 Q. The first part of that sentence reads "All 03:59	4 A. That's correct. 04:01
5 occupancies in California are subject to national 03:59	5 MR. NERCESSIAN: Objection. 04:01
6 model codes adopted into Title 24." Do you see that? 03:59	6 THE WITNESS: It's the California Electrical 04:01
7 A. Yes. 03:59	7 Code. 04:01
8 Q. And you were asked whether this meant that 03:59	8 BY MS. MILLER-ZIEGLER: 04:01
9 this applied to all office buildings and schools and 03:59	9 Q. The California Electrical Code and any other 04:01
10 hospitals. Do you remember being asked those 03:59	10 local jurisdiction's amendments; right? 04:01
11 questions? 03:59	11 A. Well, if we're speaking specifically about 04:01
12 A. Yes. 03:59	12 hospitals, I'm not the expert on that, so that would 04:01
13 Q. So you weren't asked about the second part 03:59	13 be OSHPD. 04:01
14 of that sentence, though, which I'll read now: Says 03:59	14 Q. Let's say buildings generally within the 04:01
15 "and occupancies are further subject to amendments 03:59	15 State might be regulated by local jurisdiction's 04:01
16 adopted by State agencies and ordinances implemented 03:59	16 amendments that they would make? 04:01
17 by local jurisdictions' governing bodies." Do you 03:59	17 A. Local jurisdictions can amend the code on 04:01
18 see that on the page? 03:59	18 top of what California publishes as well. 04:01
19 A. Yes. 03:59	19 Q. And that would really determine what rules a 04:01
20 Q. So this means that something like a hospital 03:59	20 building in California would have to follow; does 04:02
21 in California would be subject to whatever local 03:59	21 that sound right? 04:02
22 amendments State agencies or other local 04:00	22 MR. NERCESSIAN: Objection. 04:02
23 jurisdictions made; is that right? 04:00	THE WITNESS: That's a little vague. Sorry. 04:02
24 MR. NERCESSIAN: Objection. 04:00	24 BY MS. MILLER-ZIEGLER: 04:02
25 THE WITNESS: I'm sorry. Could you repeat 04:00	25 Q. No problem. That set of 04:02
Page 182	Page 184
1 the question? Sorry. 04:00	1 jurisdiction-specific rules would determine what 04:02
2 BY MS. MILLER-ZIEGLER: 04:00	2 governed a building in California; is that correct? 04:02
3 Q. Sure. So the second part of the sentence 04:00	3 A. Not no. 04:02
4 indicates that, for example, a hospital in the State 04:00	4 Q. So let's any given building within the 04:02
5 111 1: 111 1: 1 04.00	
5 would be subject to could be subject to amendments 04:00	5 State, what would it have to look to to determine how 04:02
6 adopted by State agencies and ordinances implemented 04:00	5 State, what would it have to look to to determine how 04:02 6 to comply with governing regulations? 04:02
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1 MR. NERCESSIAN: Yeah, we should go off the 04:03	1 A. I don't recall how many State agencies, no. 04:07
2 record while we're switching. 04:03	2 Q. Was it more than one? 04:07
3 VIDEO OPERATOR: Okay. We're off the record 04:03	3 A. Yes, it was more than one. 04:08
4 at 4:03. 04:03	4 Q. More than three? 04:08
5 (Recess) 04:03	5 A. Yes. 04:08
6 VIDEO OPERATOR: Okay. We're back on the 04:04	6 Q. More than six? 04:08
7 record. It's 4:05. 04:05	7 A. Yes. 04:08
8 EXAMINATION 04:05	8 Q. More than ten? 04:08
9 BY MR. NERCESSIAN: 04:05	9 A. I would say less than twenty, more than one. 04:08
10 Q. All right. I have just a few more questions 04:05	10 Q. On the last round of examination, you 04:08
11 regarding this contract, so that's Exhibit 7, and if 04:05	11 referred to again to local jurisdictions that make 04:08
12 you could flip to the last page of that exhibit. 04:05	12 available copies of the California Electrical Code 04:08
13 During the past round of examination, you looked at 04:05	13 for free. To be clear, are you aware of any local 04:08
14 language that said that the NFPA shall deliver copies 04:05	14 jurisdictions that do so? 04:08
15 to the State agencies as directed by CBSC. Do you 04:05	15 A. I've not utilized that service, so I 04:08
16 see that language? 04:05	16 couldn't tell you which jurisdictions make it 04:08
17 A. Is that item one or item two or in the first 04:06	17 available. 04:08
18 paragraph? 04:06	18 Q. So that's a no, you're not aware of any 04:08
19 Q. It's in the first paragraph. 04:06	19 local jurisdictions that furnish freely available 04:08
20 A. Okay. 04:06	20 copies of the California Electrical Code? 04:09
21 Q. It lists that there's the deposit libraries 04:06	21 MS. MILLER-ZIEGLER: Objection. 04:09
22 in Attachment A 04:06	22 Mischaracterizes her testimony. 04:09
23 A. Sorry. 04:06	23 THE WITNESS: I don't know of a 04:09
24 Q and Attachment B and copies to the State 04:06	24 jurisdiction. 04:09
25 agencies as directed by CBSC. Do you see that 04:06	25 BY MR. NERCESSIAN: 04:09
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1 language? 04:06	1 Q. Do you have any understanding whether a 04:09
2 A. Copies to the State agencies. I know it's 04:06	2 California citizen is free to make a copy of the 04:09
3 here, but I'm looking. During the term of the 04:06	3 California Electrical Code without seeking permission 04:09
4 agreement, deliver complimentary copies of the 2016 04:06	4 from the NFPA or paying a fee? 04:09
5 and what line is it in the first paragraph? I'm 04:06	5 MR. FEE: Objection. 04:09
6 sorry. 04:06	6 MS. MILLER-ZIEGLER: Objection. Calls for a 04:09
7 Q. It is starts six lines down. 04:06	7 legal conclusion. 04:09
8 A. One, two, three, four, five, six. "Selected 04:06	8 THE WITNESS: I don't know that. I don't 04:09
9 depositories and copies to the State agencies as 04:06	9 have an answer for you. 04:09
10 directed." Yes, I see that. I'm sorry. 04:06	10 BY MR. NERCESSIAN: 04:09
11 Q. No. No worries. Are you aware of any State 04:06	11 Q. Do you have any understanding? 04:09
12 agencies that CBSC has directed NFPA to deliver 04:06	12 MS. MILLER-ZIEGLER: Objection. 04:09
13 complimentary copies of the 2016 California 04:07	13 MR. FEE: Objection. 04:09
14 Electrical Code to? 04:07	14 MS. MILLER-ZIEGLER: Calls for a legal 04:09
15 A. I don't recall which State agencies. 04:07	15 conclusion. 04:09
16 Q. Do you recall whether there were any State 04:07	16 THE WITNESS: No. 04:09
17 agencies that CBSC directed NFPA to deliver 04:07	17 BY MR. NERCESSIAN: 04:09
18 complimentary copies of the 2016 California 04:07	18 Q. Are you aware of any request made to the 04:09
19 Electrical Code to? 04:07	19 CBSC to make another part of the California Building 04:09
20 A. Yes. Yes. And I would have thought that 04:07	20 Standards Code, not the California Electrical Code, 04:10
21 would have been one of the attachments in here that 04:07	21 available to the print disabled? 04:10
22 listed the State agencies, but maybe that comes 04:07	22 A. I know of one other occurrence. 04:10
23 later. 04:07 24 Q. Do you recall how many State agencies CBSC 04:07	23 Q. What happened there? 04:10 24 A. We referred that person to the model code 04:10
	•
25 directed NFPA to deliver complimentary copies to? 04:07 Page 187	

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			<b>O</b>
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1 Q. And who was the model code developer in that   04:10   2 instance?   04:10   3 A. The International Code Council.   04:10   4 Q. And how did they help the person requesting   04:10   5 access?   04:10   6 A. I don't know.   04:10   7 year disabled access?   04:10   7 year disabled access?   04:10   7 year disabled access?   04:10   10 A. I don't know the there the International Code   04:10   7 year disabled access?   04:10   10 A. I don't know that.   04:10   9 print disabled access?   04:10   10 A. I don't know that.   04:10   11 Q. Are you aware of any request made to the   04:10   12 CBSC to make another part of the California Bilading   04:10   13 Standards Code, again, not the California Filectrical   04:10   13 Standards Code, again, not the California Filectrical   04:10   13 MS. MILLER-ZIEGLER: Objection. Form.   04:13   14 Code, available to the mobility impaired?   04:10   13 MS. MILLER-ZIEGLER: Objection. Form.   04:13   14 THE WITNESS: I don't know whether they do   04:13   15 de CBSC by any person requesting access who lacked   04:11   19 sight?   04:11   19 sight?   04:11   19 sight?   04:11   19 don't make a complete   04:11   19 sight?   04:11   19 sight?   04:11   19 year		
3 A. The International Code Council. 04:10 4 Q. And how did they help the person requesting 04:10 5 access? 04:10 6 A. I don't know. 04:10 7 Q. Do you know whether the International Code 04:11 8 Council required payment from the person requesting 04:10 9 print disabled access? 04:10 10 A. I don throw that. 04:10 11 Q. Are you aware of any request made to the 04:10 11 Q. Are you aware of any request made to the 04:10 11 Q. Are you aware of any request made to the 04:10 11 Q. Are you aware of a request — strike that. 04:11 12 CBSC to make another part of the California Building 04:10 13 Cardo, again, not the California Building 04:10 14 Code, again, not the California Building 04:10 15 A. Pin not aware of that, no. 04:11 16 Q. Are you aware of a similar request made to 04:11 17 Are you aware of a similar request made to 04:11 18 the CBSC by any person requesting access who lacked 04:11 19 sight? 04:13 10 Q. Are you aware of a similar request made to 04:11 12 Q. Are you aware of a similar request made to 04:11 12 Q. Are you aware of a similar request made to 04:11 12 Q. Are you aware of a similar request made to 04:11 13 Q. Are you aware of a similar request made to 04:11 14 Q. Are you aware of a similar request made to 04:11 15 after the california Electrical Code 04:11 16 Q. Are you aware of a similar request made to 04:11 17 Are you aware of a similar request made to 04:11 18 the CBSC by any person requesting access for any 04:11 19 sight? 04:13 10 Q. The NPFA bandwish that contains the 04:11 21 Q. Are you aware of a similar request made to 04:11 22 the CRESC by any person requesting access for any 04:11 23 the CBSC by any person requesting access for any 04:11 24 Q. During the last round of examination, do you 04:11 25 EPECATION TO A throw that 1 would 04:13 26 California Electrical Code of the 04:13 27 the WINTERS: I don't know whether they do 04:13 28 the CBSC by any person requesting access for any 04:11 29 EPECATION TO A throw that 1 would 04:13 21 throw the california Electrical Code of 04:14 21 This WINT	1 Q. And who was the model code developer in that 04:10	1 Q. So the NFPA publishes the California 04:13
4 strikeouts showing the California amendments; is that 04:13 5 scores?	2 instance? 04:10	2 Electrical Code only in an edition that contains the 04:13
5 access?	3 A. The International Code Council. 04:10	3 National Electrical Code with additions and 04:13
6 A. I don't know.  04:10 7 Q. Do you know whether the International Code 04:10 9 print disabled access?  04:10 9 print disabled access?  04:10 10 A. I do not know that. 11 Q. Are you aware of a part of the California Building 04:10 12 CBSC to make another part of the California Building 04:10 13 Sandards Code, again, not the California Building 04:10 14 Code, available to the mobility impaired?  04:10 15 A. I'm not aware of that, no.  04:11 16 Q. Are you aware of a request strike that.  04:11 17 Are you aware of a request strike that.  04:11 18 the CBSC by any person requesting access who lacked 04:11 19 sight?  04:04 11 A. No, I'm not aware of that.  04:11 20 A. No, I'm not aware of that.  04:11 21 Q. Are you aware of a similar request made to 04:11 22 the CBSC by any person requesting access from y 04:11 23 other accessibility related issue?  04:11 24 A. No, I'm not aware of that.  04:12 25 Q. During the last round of examination, do you 04:11 Page 190  1 recall the distinctions raised between the National 04:12 3 A. Yes, I remember the conversation, yes.  04:12 4 Q. The NFPA, however, publishes the California 10:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 17 strikeouts showing the California memadments; is that 04:12 18 to The WITNESS: That's not entirely a correct 04:12 19 THE WITNESS: That's not entirely a correct 04:12 11 THE WITNESS: That's not entirely a correct 04:12 11 THE WITNESS: That's not entirely a correct 04:12 11 THE WITNESS: That's all I'm aware of 04:13 12 THE WITNESS: That's all I'm aware of 04:13 13 Q. To what extent is it correct?  04:13 14 THE WITNESS: I don't know whether they do 04:13 15 or they don't.  16 By MR. NERCESSIAN:  04:13 16 By MR. NERCESSIAN:  04:13 17 Q. Would you know if they did publish the 04:13 18 that fright?  19 WINNER NERCESSIAN:  04:13 19 WINNER NERCESSIAN:  04:13 11 THE WITNESS: I don't know what I would 04:13 11 THE WITNESS: I don't know what I would 04:13 12 THE WITNESS: I don't know wh	4 Q. And how did they help the person requesting 04:10	4 strikeouts showing the California amendments; is that 04:13
7 Q. Do you know whether the International Code   04:10	5 access? 04:10	5 correct? 04:13
8 Council required payment from the person requesting 04:10 9 print disabled access? 04:10 10 A. 1 do not know that. 04:10 11 Q. Are you aware of any request made to the 04:10 12 CBSC to make another part of the California Building 04:10 14 Code, available to the mobility impaired? 04:10 15 A. 1 m not aware of that, no. 04:11 16 Q. Are you aware of a similar request made to 04:11 17 Are you aware of a similar request made to 04:11 18 the CBSC by any person requesting access who lacked 04:11 19 sight? 04:11 19 Are you aware of a similar request made to 04:11 20 A. No, I'm not aware of hat, no. 04:11 11 Q. Are you aware of a similar request made to 04:11 21 Q. Are you aware of a similar request made to 04:11 22 the CBSC by any person requesting access for any 04:11 23 other accessibility related issue? 04:11 24 A. No, I'm not aware of that. 04:11 25 Q. During the last round of examination, do you 04:11 26 Q. Are you aware of any way someone can read 04:13 27 treall the distinctions raised between the National 04:12 28 Electrical Code and the California Electrical Code? 04:12 29 Lectrical Code only in an edition that contains the 04:12 20 Are No, I'm not aware of that to official to one of the California Electrical Code without the 04:14 21 THE WITNESS: I don't know that. 1 would 04:13 22 D. Are you aware of a similar request made to 04:11 23 other accessibility related issue? 04:11 24 A. No, I'm not aware of that. 04:12 25 Q. During the last round of examination, do you 04:11 26 Page 190 27 Electrical Code on the California felectrical Code without the 04:14 28 Electrical Code only in an edition that contains the 04:12 30 A. Yes, I remember the conversation, yes, 04:12 41 Q. The NFPA, however, publishes the California 04:12 42 P. The WITNESS: That's not entirely a correct 04:12 43 P. The WITNESS: That's not entirely a correct 04:12 44 P. The WITNESS: That's not entirely a correct 04:12 45 P. D. A. Okay. 04:13 46 P. The WITNESS: I don't know that. 04:13 47 Page 190 48 P. The California Electrical Code of 04:14 48	6 A. I don't know. 04:10	6 MS. MILLER-ZIEGLER: Objection. Calls for 04:13
9 print disabled access? 04:10 10 A. 1 do not know that. 04:10 11 Q. Are you aware of any request made to the 04:10 12 CBSC to make another part of the California Biletireal 04:10 13 Standards Code, again, not the California Biletireal 04:10 14 Code, available to the mobility impaired? 04:10 15 A. I'm not aware of that, no. 04:11 16 Q. Are you aware of a request strike that. 04:11 17 Are you aware of a request strike that. 04:11 18 the CBSC by any person requesting access who lacked 04:11 19 sight? 04:13 20 A. No, I'm not aware of that. 04:11 21 Q. Are you aware of a similar request made to 04:11 22 the CBSC by any person requesting access who lacked 04:11 23 of the recessibility related issue? 04:11 24 A. No, I'm not aware of that. 04:11 25 Q. During the last round of examination, do you 04:11 26 Q. During the last round of examination, do you 04:11 27 print code and the California Electrical Code? 04:12 3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, does not publish the text that 04:13 15 chartight? 04:13 16 Q. Are you aware of a request strike that. 04:11 17 published to the mobility impaired? 04:13 18 that right? 04:13 19 MS. MILLER-ZIEGLER. Objection. Cont. 11 10 published the text that 04:13 11 state right? 04:13 11 state right? 04:13 11 published the decilifornia Electrical O4:11 12 published to the observation of the California Electrical Code on the office of the office of the office of the office of the office o	7 Q. Do you know whether the International Code 04:10	7 speculation. 04:13
10   A. 1 do not know that.   04:10   10   Q. Are you aware of any request made to the   04:10   11   2 (BSC to make another part of the California Billeding   04:10   13   14 Code, available to the mobility impaired?   04:10   14 Code, available to the mobility impaired?   04:10   15   A. I'm not aware of that, no.   04:11   16   Q. Are you aware of a similar request made to   04:11   17   Are you aware of a similar request made to   04:11   18 the CBSC by any person requesting access who lacked   04:11   19 sight?   04:11   19 sight?   04:11   19 sight?   04:11   19 code   04:12   04:14   04:15   04:15   04:13   17 Q. Would you know if they did publish the   04:13   17 Q. Would you know if they did publish the   04:13   18 California supplement as a standalone?   04:13   19   MR. FEE: Objection. Calls for speculation   04:13   19   MR. FEE: Objection: Calls for speculation   04:14   19   M	8 Council required payment from the person requesting 04:10	8 THE WITNESS: That's all I'm aware of. 04:13
11   Q. Are you aware of any request made to the   O4:10   12   EBSC to make another part of the California Biedrical   O4:10   13   Standards Code, again, not California Biedrical   O4:10   14   THE WITNESS: I don't know whether they do   O4:13   15   A. I'm not aware of that, no.   O4:11	9 print disabled access? 04:10	9 BY MR. NERCESSIAN: 04:13
12 CBSC to make another part of the California Building   04:10   13   13   13   13   13   14   14   14	10 A. I do not know that. 04:10	10 Q. The NFPA does not publish the text that 04:13
13   Standards Code, again, not the California Electrical   04:10   14   THE WITNESS: I don't know whether they do   04:13   15   A. I'm not aware of that, no.   04:11   15   or they don't.   04:13   15   or they d	11 Q. Are you aware of any request made to the 04:10	11 consists purely of the California Electrical Code; is 04:13
14 THE WITNESS: I don't know whether they do   04:13     15 A. Tm not aware of that, no.   04:11   15 or frey don't.   04:13     16 Q. Are you aware of a request - strike that.   04:11   16 BY MR. NERCESSIAN:   04:13     17 Are you aware of a similar requesting access who lacked   04:11   18 the CBSC by any person requesting access who lacked   04:11   18 the CBSC by any person requesting access who lacked   04:11   19 sight?   04:11   19 mR. FEE: Objection.   04:13   19 wR. NER. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   19 wR. NET. (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person requesting access for any   04:11   12 writh (CBSC by any person re	12 CBSC to make another part of the California Building 04:10	12 that right? 04:13
15 A. I'm not aware of that, no.   04:11   16 Q. Are you aware of a similar request made to   04:11   17 Are you aware of a similar request made to   04:11   18 the CBSC by any person requesting access who lacked   04:11   18 California supplement as a standalone?   04:13   19 sight?   04:11   19 MR. FEE: Objection. Calls for speculation.   04:13   18 California supplement as a standalone?   04:13   19 MR. FEE: Objection. Calls for speculation.   04:13   19 MR. FEE: Objection. Calls for substance of the stance of	13 Standards Code, again, not the California Electrical 04:10	13 MS. MILLER-ZIEGLER: Objection. Form. 04:13
16 Q. Are you aware of a request — strike that. 04:11   17 Are you aware of a similar request made to 04:11   18 the CBSC by any person requesting access who lacked 04:11   18 the CBSC by any person requesting access who lacked 04:11   18 the CBSC by any person request made to 04:11   18 the CBSC by any person request made to 04:11   19 sight?	14 Code, available to the mobility impaired? 04:10	14 THE WITNESS: I don't know whether they do 04:13
17 Are you aware of a similar request made to 04:11 18 the CBSC by any person requesting access who lacked 04:11 19 sight? 04:11 20 A. No, I'm not aware of that. 04:11 21 Q. Are you aware of a similar request made to 04:11 22 the CBSC by any person requesting access for any 04:11 23 other accessibility related issue? 04:11 24 A. No, I'm not aware of that. 04:11 25 Q. During the last round of examination, do you 04:11 26 Page 190 1 recall the distinctions raised between the National 04:11 27 Electrical Code and the California Electrical Code? 04:12 3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 gP MR. NERCESSIAN: 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection 04:12 15 THE WITNESS: That's not entirely a correct 04:12 16 California amendments and strikeout, and that's 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, ves. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:13 27 Q. Would you know if they did publish the 04:13 28 california supplement as a standalone? 04:13 21 not know that. 04:13 22 In to know that. 04:13 22 In to know that. 04:13 22 the entire California Calls for speculation. 04:14 22 BY MR. NERCESSIAN: 04:14 24 the entire California Electrical Code with unit the 04:14 25 trikeouts from the National Electrical Code with unit the 04:14 25 trikeouts from the National Electrical Code with unit the 04:14 25 trikeouts from the National Electrical Code with unit the 04:14 26 National Electrical Code with additions and 04:12 27 trikeouts showing the California electrical Code with unit the 04:12 28 correc		15 or they don't. 04:13
18 the CBSC by any person requesting access who lacked 04:11   19 sight?   04:11   20 A. No, I'm not aware of that.   21 Q. Are you aware of a similar request made to 04:11   22 the CBSC by any person requesting access for any 04:11   23 other accessibility related issue?   04:11   24 A. No, I'm not aware of that.   04:11   25 Q. During the last round of examination, do you 04:11   25 Q. During the last round of examination, do you 04:11   2 Electrical Code and the California Electrical Code? 04:12   3 A. Yes, I remember the conversation, yes. 04:12   4 Q. The NFPA, however, publishes the California 04:12   5 Electrical Code only in an edition that contains the 04:12   6 National Electrical Code with additions and 04:12   7 strikeouts showing the California amendments; is that 04:12   9 MS. MILLER-ZIEGLER: Objection to form.   04:12   10 THE WITNESS: I don't know that.   04:13   20 THE WITNESS: I don't know that.   04:13   21 not know that.   04:13   22 BY MR. NERCESSIAN:   04:14   23 Q. Are you aware of any way someone can read 04:13   24 the entire California Electrical Code without the 04:14   25 strikeouts from the National Electrical Code that 04:14   26 Electrical Code and the California 04:12   3 A. Yes, I remember the conversation, yes. 04:12   4 Q. The NFPA, however, publishes the California 04:12   5 Electrical Code only in an edition that contains the 04:12   7 strikeouts showing the California amendments; is that 04:12   9 MS. MILLER-ZIEGLER: Objection to form.   04:12   19 MR. NERCESSIAN:   04:14   10 THE WITNESS: I don't know that.   04:14   11 A rem't in the California Electrical Code without the 04:14   12 tren't in the California Electrical Code with 10:14   13 Q. To what extent is it correct?   04:12   14 MS. MILLER-ZIEGLER: Objection.   04:12   15 THE WITNESS: The publishes the 04:12   16 California Electrical Code with - you stated that 04:12   17 with California Electrical Code with - you stated that 04:12   18 No A case of California Electrical Code od 04:14   19 Q. The saking for a broad	16 Q. Are you aware of a request strike that. 04:11	16 BY MR. NERCESSIAN: 04:13
19 sight? 04:11 20 A. No, I'm not aware of that. 04:11 21 Q. Are you aware of a similar request made to 04:11 22 the CBSC by any person requesting access for any 04:11 23 other accessibility related issue? 04:11 24 A. No, I'm not aware of that. 04:11 25 Q. During the last round of examination, do you 04:11 26 Q. During the last round of examination, do you 04:11 27 trecall the distinctions raised between the National 04:11 28 Electrical Code and the California Electrical Code? 04:12 29 Q. The NFPA, however, publishes the California 04:12 40 Q. The NFPA, however, publishes the California 04:12 51 Electrical Code only in an edition that contains the 04:12 61 National Electrical Code with additions and 04:12 62 correct? 04:12 63 A. Ves, I'm and aware of with additions and 04:12 64 National Electrical Code with additions and 04:12 65 National Electrical Code with additions and 04:12 66 National Electrical Code with additions and 04:12 67 tritkeouts showing the California amendments; is that 04:12 68 correct? 04:12 70 THE WITNESS: That's not entirely a correct 04:12 71 the WITNESS: That's not entirely a correct 04:12 71 with California Electrical Code 04:14 71 with California Electrical Code 04:14 72 without red lines? 04:14 73 A. I'm not aware of that. 04:14 74 Q. I'm asking for a broad answer. 04:14 75 Without red lines? 04:14 75 Without red lines? 04:14 76 California Electrical Code with addition of the contains the 04:12 76 Without red lines? 04:14 76 California Electrical Code with addition of the contains the 04:12 76 Q. No what extent is it correct? 04:12 76 Without red lines? 04:14 76 Without red lines? 04:14 77 with California Electrical Code 04:14 78 A. I'm not aware of that. 04:14 79 Q. Have you had any discussions with any 04:14 70 Very out and any discussions with any 04:14 71 with California Electrical Code with addition of the contains and other contains and other contains and ware of that 04:14 70 Very out and any discussions with any 04:14 70 Very out and any discussions with any 04:14 70 Very out a	1	
20	18 the CBSC by any person requesting access who lacked 04:11	18 California supplement as a standalone? 04:13
21 Q. Are you aware of a similar request made to 04:11 22 the CBSC by any person requesting access for any 04:11 23 other accessibility related issue? 04:11 24 A. No, I'm not aware of that. 04:11 25 Q. During the last round of examination, do you 04:11 26 Electrical Code and the California Electrical Code? 04:12 27 Electrical Code and the California Electrical Code? 04:12 28 Lectrical Code and the California Electrical Code? 04:12 3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:14 13 Q. To what exitent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection to form. 04:12 15 THE WITNESS: That's not entirely a correct 04:12 16 California Electrical Code with you stated that 04:12 17 with California Electrical Code with you stated that 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not "in strikeout." "And strikeout." "And strikeout. and that's 04:12 21 A. And strikeout., "And strikeout." "And strikeout.		1
22 the CBSC by any person requesting access for any of the case of the conversation and of the cases is shifty related issue?   04:11   23 other accessibility related issue?   04:11   24 A. No, I'm not aware of that.   04:11   25 Q. During the last round of examination, do you   04:11   Page 190   25 strikeouts from the National Electrical Code without the   04:14   Page 190   26   27   28   28   28   29   29   29   29   29		20 THE WITNESS: I don't know that. I would 04:13
23	1	21 not know that. 04:13
24 A. No, Tm not aware of that. 25 Q. During the last round of examination, do you 04:11 Page 190  1 recall the distinctions raised between the National 04:11 2 Electrical Code and the California Electrical Code? 04:12 3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:14 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code withyou stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not "in strikeout." "And strikeout." "And strikeouts." 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout., "San distribution." 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:13 24 the entire California Electrical Code with oli-14 Page 192 25 strikeouts from the National Electrical Code that 04:14 Page 192 25 strikeouts from the National Electrical Code with -04:12 2 MS. MILLER-ZIEGLER: Objection. 04:12 2 MS. MILLER-ZIEGLER: Objection to form. 04:12 3 THE WITNESS: I don't know. I'm not aware. 04:14 4 BY MR. NERCESSIAN: 04:14 5 Q. So you don't know of any way you can just 04:14 5 Q. So you don't know of any way you can just 04:14 7 without red lines? 04:14 7 without red lines? 04:14 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 11 A. It's a broad question. 04:14 11 A. Okay. 04:14 12 Oy In askin		22 BY MR. NERCESSIAN: 04:13
25 Q. During the last round of examination, do you 04:11 Page 190  1 recall the distinctions raised between the National 04:12 2 Electrical Code and the California Electrical Code? 04:12 3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:13 25 strikeouts from the National Electrical Code that 04:14 2 aren't in the California code? 04:14 2 MS. MILLER-ZIEGLER: Objection. 04:12 4 BY MR. NERCESSIAN: 04:12 5 Q. So you don't know of any way you can just 04:14 6 see a clean copy of the California Electrical Code 04:14 7 without red lines? 04:14 8 A. I'm not aware of that. 04:14 9 Q. Have you had any discussions with any 04:14 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA standards, and I've spoken 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in ther		23 Q. Are you aware of any way someone can read 04:13
Page 190  1 recall the distinctions raised between the National 04:11 2 Electrical Code and the California Electrical Code? 04:12 3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection. 04:14 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:14 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection to form. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with -you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not 'in strikeout." "And strikeouts." 04:12 20 Q. Not 'in strikeout." "And strikeouts." 04:12 21 A. And strikeout." "And strikeouts." 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:13 25 Lectrical Code and the California Electrical Code? 04:14 2 MS. MILLER-ZIEGLER: Objection. 04:12 2 D. So I can rephrase. 04:12 2 D. So I can rephrase. 04:12 2 D. So I can rephrase. 04:12 2 D. Okay. 04:13 3 THE WITNESS: Idon't know. I'm not aware. 04:14 2 D. With Universessian: 04:14 2 D. So I can rephrase 04:14 3 D. Harwit in the California code? 04:14 4 BY MR. MELCESSIAN: 04:14 4 BY MR. NERCESSIAN: 0	24 A. No, I'm not aware of that. 04:11	24 the entire California Electrical Code without the 04:14
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3 A. Yes, I remember the conversation, yes. 04:12 4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:14 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 py MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 10 The WITNESS: The publisher publishes the 04:12 11 A. Ore is about the periodical they mail out 04:15 12 Q. Not "in strikeout." "And strikeouts." 04:12 13 A. Okay. 04:15 14 Q. I can restate the question. 04:12 15 A. Okay. 04:15 16 Q. And what types of discussions have you had 04:15 17 with the representatives of the NFPA? 04:14 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout." "And strikeouts." 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:15 25 A. Okay. 04:15	1 recall the distinctions raised between the National 04:11	1 aren't in the California code? 04:14
4 Q. The NFPA, however, publishes the California 04:12 5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:15 24 Q. I can restate the question. 04:12 25 N. Okay. 04:15 26 Q. What other conversations have you had with 04:15 27 Q. What other conversations have you had with 04:15 28 Q. What other conversations have you had with 04:15 29 Q. What other conversations have you had with 04:15 20 Q. I can restate the question. 04:12 21 Q. What other conversations have you had with 04:15 22 Q. What other conversations have you had with 04:15 23 A. Okay. 04:12 24 Q. What other conversations have you had with 04:15 25 N. Okay. 04:13	2 Electrical Code and the California Electrical Code? 04:12	2 MS. MILLER-ZIEGLER: Objection. 04:14
5 Electrical Code only in an edition that contains the 04:12 6 National Electrical Code with additions and 04:12 7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with additions and 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 THE WITNESS: The publisher publishes the 04:12 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 information about the NFPA standards, and I've spoken 04:15 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13	3 A. Yes, I remember the conversation, yes. 04:12	3 THE WITNESS: I don't know. I'm not aware. 04:14
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7 strikeouts showing the California amendments; is that 04:12 8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:12 25 A. Okay. 04:13 26 Q. What other conversations have you had with 04:15 27 Q. What other conversations have you had with 04:15 28 Q. What other conversations have you had with 04:15 29 Q. What other conversations have you had with 04:15 20 Q. What other conversations have you had with 04:15 21 Discription of the NFPA magazine, and it has 04:15 22 Q. What other conversations have you had with 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 NFPA? 04:15	5 Electrical Code only in an edition that contains the 04:12	5 Q. So you don't know of any way you can just 04:14
8 correct? 04:12 9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 19 With California amendments and strikeouts." 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 information about the NFPA standards, and I've spoken 04:15 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13 25 NFPA? 04:15	6 National Electrical Code with additions and 04:12	6 see a clean copy of the California Electrical Code 04:14
9 MS. MILLER-ZIEGLER: Objection to form. 04:12 10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with California amendments and strikeout, and that's 04:12 18 A. One is about the periodical they mail out 04:15 19 BY MR. NERCESSIAN: 04:12 19 monthly that is their NFPA magazine, and it has 04:15 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 information about the NFPA standards, and I've spoken 04:15 22 Q. So I can rephrase. 04:12 23 are in there. 04:15 24 Q. I can restate the question. 04:12 25 A. Okay. 04:13  9 Q. Have you had any discussions with any 04:14 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA magazine, and it has 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 NFPA? 04:15	7 strikeouts showing the California amendments; is that 04:12	7 without red lines? 04:14
10 THE WITNESS: That's not entirely a correct 04:12 11 statement. 04:12 12 BY MR. NERCESSIAN: 04:12 13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 10 representatives of NFPA? 04:14 11 A. It's a broad question. 04:14 12 Q. You can still answer it. 04:14 13 A. Okay. 04:14 14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:12 25 A. Okay. 04:13 26 Q. What other conversations have you had with 04:15 27 Q. What other conversations have you had with 04:15 28 Q. What other conversations have you had with 04:15 29 Q. What other conversations have you had with 04:15 20 Q. What other conversations have you had with 04:15 21 A. Okay. 04:13	8 correct? 04:12	8 A. I'm not aware of that. 04:14
11 statement.       04:12       11 A. It's a broad question.       04:14         12 BY MR. NERCESSIAN:       04:12       12 Q. You can still answer it.       04:14         13 Q. To what extent is it correct?       04:12       13 A. Okay.       04:14         14 MS. MILLER-ZIEGLER: Objection.       04:12       14 Q. I'm asking for a broad answer.       04:14         15 THE WITNESS: The publisher publishes the 04:12       15 A. Yes.       04:14         16 California Electrical Code with you stated that 04:12       16 Q. And what types of discussions have you had 04:14         17 with California amendments and strikeout, and that's 04:12       17 with the representatives of the NFPA?       04:14         18 A. One is about the periodical they mail out 04:15       04:15         19 BY MR. NERCESSIAN:       04:12       19 monthly that is their NFPA magazine, and it has 04:15         20 Q. Not "in strikeout." "And strikeouts." 04:12       20 articles in there that contain a variety of 04:15         21 A. And strikeout, yes. 04:12       21 information about the NFPA standards, and I've spoken 04:15         22 Q. So I can rephrase. 04:12       22 to the representative about specific articles that 04:15         23 A. Okay. 04:12       23 are in there. 04:15         24 Q. What other conversations have you had with 04:15         25 A. Okay. 04:13       04:13	9 MS. MILLER-ZIEGLER: Objection to form. 04:12	9 Q. Have you had any discussions with any 04:14
12 BY MR. NERCESSIAN: 13 Q. To what extent is it correct? 14 MS. MILLER-ZIEGLER: Objection. 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 19 BY MR. NERCESSIAN: 10 Q. Not "in strikeout." "And strikeouts." 10 Q. Not "in strikeout." "And strikeouts." 10 Q. Not "in strikeout." "And strikeouts." 11 Q. You can still answer it. 12 Q. You can still answer it. 13 A. Okay. 14 Q. I'm asking for a broad answer. 15 A. Yes. 16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA magazine, and it has 04:15 20 Q. Not "in strikeout." "And strikeouts." 21 A. And strikeout, yes. 22 Q. So I can rephrase. 30 Q: 12 31 A. Okay. 32 Q: You can still answer it. 33 A. Okay. 34:14 34 Q. I'm asking for a broad answer. 34:14 35 A. Okay. 36:14 36 Q: And what types of discussions have you had 04:14 37 with the representatives of the NFPA? 38 A. One is about the periodical they mail out 04:15 39 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 24 Q. What other conversations have you had with 04:15 25 A. Okay. 30 Q: 12 31 Q: You can still answer it. 31 A. Okay. 32 Q: I'm asking for a broad answer. 34 Q: I'm asking for a broad answer. 34:14 44 Q. I'm asking for a broad answer. 36 Q: I'm asking for a broad answer. 36 Q: I'm asking for a broad answer. 30 Q: I'm asking for a broad answer. 30 Q: I'm asking for a broad answer. 30 Q: I'm asking for a broad answer. 34:14 34 Q. I'm asking for a broad answer. 36 Q: I'm asking for a broad answer. 30 Q: I'm asking for a broad answer. 34:14 35 A. Okay. 34:14 35 A. Okay. 36 Q: I'm asking for a broad	THE WITNESS: That's not entirely a correct 04:12	10 representatives of NFPA? 04:14
13 Q. To what extent is it correct? 04:12 14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:13 25 A. Okay. 04:13 26 Q. What other conversations have you had with 04:15 27 Q. What other conversations have you had with 04:15 28 Q. What other conversations have you had with 04:15 29 Q. What other conversations have you had with 04:15 20 Q. What other conversations have you had with 04:15 21 Q. What other conversations have you had with 04:15 22 Q. What other conversations have you had with 04:15 23 A. Okay. 04:13	11 statement. 04:12	11 A. It's a broad question. 04:14
14 MS. MILLER-ZIEGLER: Objection. 04:12 15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:12 25 A. Okay. 04:13  14 Q. I'm asking for a broad answer. 04:14 15 A. Yes. 04:14 16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA magazine, and it has 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13  16 Q. I'm asking for a broad answer. 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA magazine, and it has 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 NFPA? 04:15	12 BY MR. NERCESSIAN: 04:12	12 Q. You can still answer it. 04:14
15 THE WITNESS: The publisher publishes the 04:12 16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 10 Q. Not "in strikeout." "And strikeouts." 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:13 25 A. Okay. 04:13 26 Q. What other conversations have you had 04:14 27 with the representatives of the NFPA? 04:14 28 A. One is about the periodical they mail out 04:15 29 articles in there that contain a variety of 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13 26 Q. What other conversations have you had with 04:15 27 Q. What other conversations have you had with 04:15 28 Q. What other conversations have you had with 04:15	13 Q. To what extent is it correct? 04:12	13 A. Okay. 04:14
16 California Electrical Code with you stated that 04:12 17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:13  16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA magazine, and it has 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13  16 Q. And what types of discussions have you had 04:14 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 19 monthly that is their NFPA magazine, and it has 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 NFPA? 04:15	14 MS. MILLER-ZIEGLER: Objection. 04:12	14 Q. I'm asking for a broad answer. 04:14
17 with California amendments and strikeout, and that's 04:12 18 not accurate. 04:12 19 BY MR. NERCESSIAN: 04:12 20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:13 26 17 with the representatives of the NFPA? 04:14 18 A. One is about the periodical they mail out 04:15 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. I can restate the question. 04:12 25 A. Okay. 04:13 26 Via the representative about specific articles that 04:15 26 Q. What other conversations have you had with 04:15 27 Q. What other conversations have you had with 04:15	THE WITNESS: The publisher publishes the 04:12	
18 not accurate. 04:12  19 BY MR. NERCESSIAN: 04:12  20 Q. Not "in strikeout." "And strikeouts." 04:12  21 A. And strikeout, yes. 04:12  22 Q. So I can rephrase. 04:12  23 A. Okay. 04:12  24 Q. I can restate the question. 04:13  18 A. One is about the periodical they mail out 04:15  19 monthly that is their NFPA magazine, and it has 04:15  20 articles in there that contain a variety of 04:15  21 information about the NFPA standards, and I've spoken 04:15  22 to the representative about specific articles that 04:15  23 are in there. 04:15  24 Q. What other conversations have you had with 04:15  25 A. Okay. 04:13  26 NFPA? 04:15	16 California Electrical Code with you stated that 04:12	16 Q. And what types of discussions have you had 04:14
19 BY MR. NERCESSIAN: 20 Q. Not "in strikeout." "And strikeouts." 21 A. And strikeout, yes. 22 Q. So I can rephrase. 33 A. Okay. 40 Q. I can restate the question. 40 Q. What other conversations have you had with 40 Q. User Conversations have you had w	17 with California amendments and strikeout, and that's 04:12	17 with the representatives of the NFPA? 04:14
20 Q. Not "in strikeout." "And strikeouts." 04:12 21 A. And strikeout, yes. 04:12 22 Q. So I can rephrase. 04:12 23 A. Okay. 04:12 24 Q. I can restate the question. 04:12 25 A. Okay. 04:13 20 articles in there that contain a variety of 04:15 21 information about the NFPA standards, and I've spoken 04:15 22 to the representative about specific articles that 04:15 23 are in there. 04:15 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13 26 A. Okay. 04:15	18 not accurate. 04:12	18 A. One is about the periodical they mail out 04:15
21 A. And strikeout, yes. 04:12 21 information about the NFPA standards, and I've spoken 04:15 22 Q. So I can rephrase. 04:12 22 to the representative about specific articles that 04:15 23 A. Okay. 04:12 23 are in there. 04:15 24 Q. I can restate the question. 04:12 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13 25 NFPA? 04:15		19 monthly that is their NFPA magazine, and it has 04:15
22       Q. So I can rephrase.       04:12       22 to the representative about specific articles that 04:15         23       A. Okay.       04:12       23 are in there.       04:15         24       Q. I can restate the question.       04:12       24 Q. What other conversations have you had with 04:15         25       A. Okay.       04:13       25 NFPA?       04:15	20 Q. Not "in strikeout." "And strikeouts." 04:12	20 articles in there that contain a variety of 04:15
23     A. Okay.     04:12     23 are in there.     04:15       24     Q. I can restate the question.     04:12     24 Q. What other conversations have you had with 04:15       25     A. Okay.     04:13     25 NFPA?     04:15	21 A. And strikeout, yes. 04:12	21 information about the NFPA standards, and I've spoken 04:15
24 Q. I can restate the question. 04:12 24 Q. What other conversations have you had with 04:15 25 A. Okay. 04:13 25 NFPA? 04:15	22 Q. So I can rephrase. 04:12	22 to the representative about specific articles that 04:15
25 A. Okay. 04:13 25 NFPA? 04:15	23 A. Okay. 04:12	23 are in there. 04:15
	24 Q. I can restate the question. 04:12	24 Q. What other conversations have you had with 04:15
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1 A. Just about the contract negotiations. 04:15	1 Q. How do the are the trainings with respect 04:17
2 Q. And what was the substance of those 04:15	2 to the National Electrical Code strike that. 04:18
3 conversations? 04:15	3 What kind of information does the NFPA 04:18
4 A. Just the wording of the contract. 04:15	4 provide to the CBSC with respect to training 04:18
5 Q. Did you propose any edits to the NFPA that 04:15	5 concerning the National Electrical Code? 04:18
6 they accepted to the contract? 04:15	6 MR. FEE: Objection. Beyond the scope of 04:18
7 A. Yes. 04:15	7 the cross. 04:18
8 MS. MILLER-ZIEGLER: Objection. Asked and 04:15	8 THE WITNESS: We're invited to the training. 04:18
9 answered. 04:15	9 BY MR. NERCESSIAN: 04:18
10 THE WITNESS: But I don't know what they are 04:15	10 Q. Have you ever attended one of those 04:18
11 specifically. 04:15	11 trainings? 04:18
12 BY MR. NERCESSIAN: 04:15	12 MR. FEE: Same objection. 04:18
13 Q. Do you recall the subject matter areas you 04:15	13 THE WITNESS: Years ago, I attended 04:18
14 proposed that as to the NFPA on? 04:15	14 training. 04:18
15 MS. MILLER-ZIEGLER: Objection. Asked and 04:16	15 BY MR. NERCESSIAN: 04:18
16 answered. 04:16	16 Q. And for what purpose? 04:18
17 THE WITNESS: No, I don't recall. 04:16	17 MR. FEE: Same objection. 04:18
18 BY MR. NERCESSIAN: 04:16	18 THE WITNESS: Just to learn about the 04:18
19 Q. Do you recall any other discussions with 04:16	19 National Electrical Code. 04:18
20 representatives of the NFPA? 04:16	20 BY MR. NERCESSIAN: 04:19
21 A. No. 04:16	21 Q. We discussed earlier about your knowledge or 04:19
22 Q. So other than discussions about the 04:16	22 awareness of the code development process among the 04:19
23 newsletter and conversations consisting of contract 04:16	23 standards development organizations. Do you recall 04:19
	24 that? 04:19
24 negotiations, you don't recall any other 04:16 25 conversations with the NFPA? 04:16	25 A. Yes. 04:19
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	-
1 A. Training. I have had conversations with 04:16	1 MS. MILLER-ZIEGLER: Outside the scope of 04:19
2 them about training that they make available 04:16	2 cross. Objection. 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16 5 A. They make available training for the 04:16	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19 5 employees to participate in writing model codes? 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16 5 A. They make available training for the 04:16 6 California Electrical Code and also the NEC 04:16	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19 5 employees to participate in writing model codes? 04:19 6 MS. MILLER-ZIEGLER: Objection. That's 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16 5 A. They make available training for the 04:16 6 California Electrical Code and also the NEC 04:16 7 throughout California. 04:16	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19 5 employees to participate in writing model codes? 04:19 6 MS. MILLER-ZIEGLER: Objection. That's 04:19 7 outside the scope of the cross. 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16 5 A. They make available training for the 04:16 6 California Electrical Code and also the NEC 04:16 7 throughout California. 04:16 8 Q. All right. What kind of trainings does the 04:16	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19 5 employees to participate in writing model codes? 04:19 6 MS. MILLER-ZIEGLER: Objection. That's 04:19 7 outside the scope of the cross. 04:19 8 THE WITNESS: I'm not aware of that. 04:19
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2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16 5 A. They make available training for the 04:16 6 California Electrical Code and also the NEC 04:16 7 throughout California. 04:16 8 Q. All right. What kind of trainings does the 04:16 9 NFPA hold with respect to the California Electrical 04:17 10 Code? 04:17	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19 5 employees to participate in writing model codes? 04:19 6 MS. MILLER-ZIEGLER: Objection. That's 04:19 7 outside the scope of the cross. 04:19 8 THE WITNESS: I'm not aware of that. 04:19 9 BY MR. NERCESSIAN: 04:19 10 Q. Are you aware that government pays expenses 04:19
2 them about training that they make available 04:16 3 throughout the State. 04:16 4 Q. And what sort of training? 04:16 5 A. They make available training for the 04:16 6 California Electrical Code and also the NEC 04:16 7 throughout California. 04:16 8 Q. All right. What kind of trainings does the 04:16 9 NFPA hold with respect to the California Electrical 04:17 10 Code? 04:17 11 MR. FEE: Objection. This is beyond the 04:17	2 cross. Objection. 04:19 3 BY MR. NERCESSIAN: 04:19 4 Q. Are you aware that governments authorize 04:19 5 employees to participate in writing model codes? 04:19 6 MS. MILLER-ZIEGLER: Objection. That's 04:19 7 outside the scope of the cross. 04:19 8 THE WITNESS: I'm not aware of that. 04:19 9 BY MR. NERCESSIAN: 04:19
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50 (Pages 194 - 197)

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1 Does the California Building Standards 04:20	1 MR. YEN: No. 04:22	
2 Commission offer any education and outreach? 04:20	2 THE REPORTER: And do you want roughs? 04:22	
3 A. Yes, we do. 04:20	3 MR. FEE: I don't need one. 04:22	
4 Q. Do you offer trainings related to the 04:20	4 MR. YEN: Actually, can you give me one 04:22	
5 Building Standards Code? 04:20	5 minute? 04:22	
6 A. We offer trainings more specifically to the 04:20	6 MS. EHLER: When would your rough be 04:22	
7 process and then also for the California Green 04:20	7 available? 04:22	
8 Building Standards Code because we have authority to 04:20	8 THE REPORTER: Tonight. 04:22	
9 amend that for nonresidential occupancies. 04:20	9 MS. EHLER: We'll take a rough. 04:22	
10 Q. You were asked about whether the NFPA holds 04:20	10 MR. NERCESSIAN: We'll take a rough. 04:22	
11 trainings related to the California Electrical Code. 04:20	11 MR. YEN: We don't need it. 04:22	
12 Is there any reason are you aware of any other 04:20	12 VIDEO OPERATOR: We're off the record. It's 04:22	
13 organizations that hold trainings related to the 04:20	13 4:22. 04:22	
14 California Electrical Code? 04:20	14 (Discussion off the record) 04:22	
15 MR. NERCESSIAN: Objection. 04:20	15 MR. YEN: We're fine. 04:23	
16 THE WITNESS: I don't know. 04:21	16	
17 BY MS. MILLER-ZIEGLER: 04:21	17	
18 Q. Can you think of any reason another 04:21	18	
19 organization couldn't hold its own training about the 04:21	18	
20 California Electrical Code? 04:21		
	20	
, and the second	21	
22 THE WITNESS: I'm not aware, no. 04:21	22	
23 BY MS. MILLER-ZIEGLER: 04:21	23	
24 Q. That's all we have. Thank you. 04:21	24	
25 A. Okay. 04:21 Page 198	25 Page 200	
1 age 176	1 age 200	
1 MR. FEE: I have no questions. 04:21	1	
2 MR. NERCESSIAN: I have one followup 04:21	2	
2 MR. NERCESSIAN: I have one followup 04:21 3 question within the scope of that. 04:21	3	
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2	2
1 I, the undersigned, a Certified Shorthand	
2 Reporter of the State of California, do hereby	
3 certify:	
4 That the foregoing proceedings were taken	
5 before me at the time and place herein set forth;	
6 that any witnesses in the foregoing proceedings,	
7 prior to testifying, were duly sworn; that a record	
8 of the proceedings was made by me using machine	
9 shorthand which was thereafter transcribed under my	
10 direction; that the foregoing transcript is a true	
11 record of the testimony given.	
12 Further, that if the foregoing pertains to	
13 the original transcript of a deposition in a Federal	
14 Case, before completion of the proceedings, review of	
15 the transcript [ ] was [ ] was not requested.	
16 I further certify I am neither financially	
17 interested in the action nor a relative or employee	
18 of any attorney or party to this action.	
19 IN WITNESS WHEREOF, I have this date	
20 subscribed my name.	
21 Dated: August 24, 2019	
22	
23	
24 Parrie Bederson	
25 CARRIE PEDERSON, CSR No. 4373 Page 202	
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