

Revised: January 30, 2012

Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),
 Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01

Evidentiary Hearing

State of New York ("NYS") Hearing Exhibits

NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYSR11001	ALL	State of New York Hearing Exhibits List ("NYS Exhibits List")	1/30/2012
NYS000002	NYS-8	State of New York Statement of Position, NYS-8 ("NYS-8 SOP")	12/12/2011
NYSR00003	NYS-8	Pre-filed Testimony of Robert C. Degeneff ("Degeneff PFT")	12/14/2011
NYS000004	NYS-8	Curriculum Vitae of Robert C. Degeneff ("2011 Degeneff CV")	12/12/2011
NYSR00005	NYS-8	Report of Robert C. Degeneff (December 2011) ("2011 Degeneff Report")	12/14/2011
NYS000006	NYS-8	L.F. Blume, Transformer Engineering (1938, 1951 General Electric Company), Excerpted: pp. ix, 1-2 ("Blume")	12/12/2011
NYS000007	NYS-8	Flanagan, The Handbook of Transformer Design & Application, 2nd Edition, McGraw-Hill (1993), Excerpted: pp. 1.1-1.2 ("Flanagan")	12/12/2011
NYS000008	NYS-8	Harlow, James H., <i>Electric Power Transformer Engineering</i> , CRC Press, (2004), Excerpted: pp. xi, 2-1 - 2-2 ("2004 Harlow")	12/12/2011

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NYS000009	NYS-8	Harlow, James H., <i>Electric Power Transformer Engineering</i> , 2d Edition, CRC Press, (2007), Excerpted: pp. v-vi, 2-1 - 2-2 ("2007 Harlow")	12/12/2011
NYS000010	NYS-8	IEEE Standard Dictionary of Electrical and Electronic Terms, IEEE Std 100-1996, 6th Edition (1996), Excerpted: p. 1131 ("IEEE Dictionary")	12/12/2011
NYSR00011	NYS-8	IEEE Standard Terminology for Power and Distribution Transformers, IEEE Std C57.12.80TM-2010 (Sept. 30, 2010), Excerpted: pp. 39-41 ("IEEE Standard Terminology")	12/14/2011
NYS000012	NYS-8	NUREG/CR-5753, Aging of Safety Class Transformers in Safety Systems of Nuclear Power Plants (February 1996) ("NUREG/CR-5753")	12/12/2011
NYSR0013A-NYSR0013K	NYS-8	UFSAR, Rev. 20, Indian Point Unit 3, Excerpted: Chapter 8 - Electrical Systems (IPEC00035933-IPEC00035963) (submitted with license renewal application) (2007) ("IP3 UFSAR, Rev. 20")	12/22/2011

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NYSR0014A-NYSR0014J	NYS-8, NYS-5	UFSAR, Rev. 20, Indian Point Unit 2(submitted with license renewal application)(2007) ("IP2 UFSAR, Rev. 20")	12/22/2011
NYS000015	NYS-8	Indian Point No. 3 Nuclear Power Plant, Electrical Distribution & Transmission System, DWG NO. 9321-F-33853, REV 17 (electrical drawing) (ML090400895) (Feb. 28, 2008) ("DWG 9321-F-33853")	12/12/2011
NYS000016	NYS-8	Nuclear Power Plant License Renewal; Revisions, 60 Fed. Reg. 22,461 (May 8, 1995)("SOC, 60 Fed. Reg. 22,461")	12/12/2011
NYS000017	NYS-8	IEEE Guide for the Evaluation and Reconditioning of Liquid Immersed Power Transformers [C57.140TM-2006] (April 2007) Excerpted: pp. iv-v, 11-26 ("2007 IEEE Report")	12/12/2011

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NYS000018	NYS-8	Sandia National Laboratories, Aging Management Guideline for Commercial Nuclear Power Plants - Power and Distribution Transformers (Contractor Report, SAND93-7068, UC-523, Unlimited Release) (May 1994) Excerpted: pp. 4-1 to 4-23 ("1994 Sandia Report")	12/12/2011
NYS000019	NYS-8	NRC Information Notice 2009-10, Transformers Failures-Recent Operating Experience (Jul. 7, 2009) (ML090540218) ("NRC IN 2009-10")	12/12/2011
NYS000020	NYS-8	Electric Power Research Institute, Plant Support Engineering: Large Transformer End-of-Expected-Life Considerations and the Need for Planning, Final Report, 1013566 (December 2006) ("EPRI PSE Report")	12/12/2011
NYS000021	NYS-8	OECD, Nuclear Energy Agency, <i>Operating Experience Report: Recent Failures of Large Oil-Filled Transformers</i> , NEA/CNRA/R(2001)6 (Mar. 14, 2011) ("NEA Report")	12/12/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000022	NYS-8	Pacific Gas and Electric Company (PG&E Letter DCL-08-089), Licensee Event Report 2-2008-001-00, Reactor Trip Due to Main Electrical Transformer Failure, Diablo Canyon Unit 2, Docket No. 50-323, OL-DPR-82 (Oct. 15, 2008) (ML082970221) ("Diablo Canyon 2 LER 2-2008-001-00")	12/12/2011
NYS000023	NYS-8	Exelon Nuclear (RA-09-008), Oyster Creek Nuclear Generating Station, Facility Operating License No. DPR-16, NRC Docket No, 50-219, Licensee Event Report 2008-001-00, Automatic Reactor Shutdown Caused by Main Transformer Failure (Jan. 21, 2009)(ML090260082) ("Oyster Creek LER 2008-001-00")	12/12/2011
NYS000024	NYS-8	Exelon Nuclear (RA-09-026), Licensee Event Report 2009-001-00, Automatic Reactor Shutdown Caused by Main Transformer Failure, Oyster Creek Nuclear Generating Station, Facility Operating License No. DPR-16, NRC Docket No. 50-219 (Mar. 31, 2009) (ML090970735) ("Oyster Creek LER 2009-001-00")	12/12/2011

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NYS000025	NYS-8	Exelon Nuclear, Licensee Event Report 09-001-00, Automatic Reactor Scram Due to Failure of Main Power Transformer Surge Arrestor, LaSalle County Station Unit 1, Facility Operating License No. 11, NRC Docket No. 50-373 (Jul. 20, 2009) (ML092020179) ("LaSalle 1 LER 09-001-00")	12/12/2011

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NYS000026	NYS-8	Luminant Power (CP-201000074, Log # TXX-10010), Licensee Event Report 445/10-001-00, Trip Due to Pressure Relay Actuation on Main Transformer 01, Comanche Peak Nuclear Power Plant Unit 1, Docket No. 50-445 (Mar. 3, 2010) (ML100740293) ("Comanche Peak 1 LER 445/10-001-00")	12/12/2011
NYS000027	NYS-8	DTE Energy (NRC-10-0043), Licensee Event Report 2010-001, Automatic Reactor Shutdown Due to Generator Current Transformer Wiring Failure, Fermi 2, NRC License No. NPF-43, NRC Docket No. 50-341 (May 19, 2010) (ML101400553) ("Fermi 2 LER 2010-001")	12/12/2011
NYS000028	NYS-8	PSEG Nuclear LLC (LR-N10-0320), Licensee Event Report 272/2010-002, Automatic Reactor Trip Due to Main Power Transformer Bushing Failure, Salem Nuclear Generating Station Unit 1, Facility Operating License No. DPR-70, NRC Docket No. 50-272 (Sept. 2, 2010) (ML102780502) ("Salem 1 LER 272/2010-002")	12/12/2011

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NYS000029	NYS-8	NRC Integrated Inspection Report 05000327/2010004, 05000328/2010004, Sequoyah Nuclear Plant (Oct. 29, 2010)(ML103020448) ("Sequoyah IR")	12/12/2011
NYS000030	NYS-8	Event Notification Report, Watts Bar Unit 1, Manual Reactor Trip Due to Loss of Cooling to the "A" Phase Main Bank Transformer, Event Number: 46418, Notification Date: 11/14/2010 ("Watts Bar 1 LER 46418")	12/12/2011

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NYS000031	NYS-8	FPL (L-2010-272), Licensee Event Report 2010-003-00, Reactor Trip Due to Fault on 230kV Side of Generator Step-Up Transformer, Turkey Point Unit 3, NRC Docket No. 50-250 (Nov. 19, 2010)(ML103340517) ("Turkey Point 3 LER 2010-003-00")	12/12/2011
NYS000032	NYS-8	Entergy (NL-11-005), Licensee Event Report 2010-009-00, Automatic Reactor Trip Due to a Turbine Generator Trip Caused by a Fault of the 21 Main Transformer Phase B High Voltage Bushing, Indian Point Unit No. 2, NRC Docket No. 50-247, DPR-26 (Jan. 18, 2011) (ML110280013) ("IP2 LER 2010-009-00")	12/12/2011
NYS000033	NYS-8	Wayne Parry, <i>NJ's Oyster Creek Must Replace New Transformer</i> , Associated Press (Dec. 10, 2010) ("Parry Article")	12/12/2011
NYSR00034	NYS-8	Electric Power Research Institute, Life Cycle Management Planning Sourcebooks, Volume 4: Large Power Transformers, Final Report, 1007422 (March 2003) ("Transformers Final Report")	12/22/2011

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NYS000035	NYS-8	Preliminary Notification of Event or Unusual Occurrence (PNO-III-11-012A), Perry Nuclear Power Plant, Docket No. 50-440, License No. NPF-58, Perry Unplanned Shutdown Greater than 72 Hours (Update) (Oct. 19, 2011) (ML11292A119) ("PNO-III-11-012A")	12/12/2011
NYS000036	NYS-8	Preliminary Notification of Event or Unusual Occurrence (PNO-III-11-015A), Monticello Nuclear Generating Plant, Unplanned Shutdown Greater Than 72 Hours Due to a Loss of the Auxiliary Power Transformer (Update) (Oct. 28, 2011) (ML11301A217) ("PNO-III-11-15A")	12/12/2011
NYS000037	NYS-8	Exelon Nuclear (RA11-013), Licensee Event Report 2011-001-00, Automatic Reactor Scram Due to Main Power Transformer "C" Phase Electrical Fault, LaSalle County Station Unit 1, Facility Operating License No. NPF-11, NRC Docket No. 50-373 (Mar. 25, 2011) (ML110890949) ("LaSalle 1 LER 2011-001-00")	12/12/2011

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NYS000038	NYS-8	Email String; June 26, 2007 8:24 AM; Subject: Status of Regions Single Point Vulnerable Transformers; From: R.R. Davis; To: D.P. Wiles, M.A. Krupa, C. Reasoner, and K.D. Nichols; CC: K.A. Jelks, M.A. Wood, G.S. Matharu, R.T. Giguere, S. Saunders; June 26, 2007 3:12 PM; Subject: FW: Status of Regions Single Point Vulnerable Transformers; Attachments: SPF Transformer writeup.doc, EN GSU Evaluation FINAL 6-25-2007.doc; From: R.R. Davis; To: R.A. Penny ("Jun. 26, 2007 Email String")	12/12/2011
NYS000039	NYS-8	Entergy Nuclear Northeast, Power Transformer Spare Purchase Recommendations, January 4, 2006, John Bonner ("Spare Purchase")	12/12/2011
NYS000040	NYS-8	EN Large Power Transformer Status (Feb. 15, 2007) ("Transformer Status")	12/12/2011

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NYS000041	NYS-8	Email; July 18, 2005 6:26 PM; Subject: IPEC Transformer Review; From: J. Bonner; To: G. Bijoor, T.S. McCaffrey, V. Andreozzi; CC: R. Penny, J. Bonner, D. Morris ("Jul. 18, 2005 Email")	12/12/2011
NYS000042	NYS-8	Email String; August 7, 2008 2:46 PM; Subject: Risks; From: C. Jackson; To: J.J. Curry; August 7, 2008 3:02 PM; Subject: FW: Risks; From: J.J. Curry; To: C. Caputo; August 11, 2008 2:25 PM; Subject: RE: Risks; From: C. Caputo; To: J.J. Curry, C. Jackson; August 11, 2008 3:11 PM; Subject: RE: Risks; From: C. Jackson; To: C. Caputo, J.J. Curry; August 11, 2008 3:23 PM; Subject: RE: Risks; From: C. Caputo; To: C. Jackson, J.J. Curry ("August 2008 Email String")	12/12/2011

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NYS000043	NYS-8	Letter, M.H. Philips, Jr. and W.A. Horin, Nuclear Utility Group on Equipment Qualification to J.C. Hoyle, Acting Secretary, U.S. Nuclear Regulatory Commission (PDR Fiche 9412130158 941208) (Dec. 8, 1994) ("NUGEQ Letter")	12/12/2011
NYS000044	NYS-8	Declaration of Assistant Attorney General Lisa M. Burianek ("PFT Burianek Decl. NYS-8")	12/12/2011
NYSR00045	NYS-37	State of New York Statement of Position, NYS-37 ("NYS-37 SOP")	12/22/2011
NYS000046	NYS-37	Pre-filed Testimony of David A. Schlissel ("Schlissel PFT")	12/14/2011
NYS000047	NYS-37	Pre-filed Testimony of Peter J. Lanzalotta ("Lanzalotta PFT")	12/14/2011
NYS000048	NYS-37	Pre-filed Testimony of Peter A. Bradford ("Bradford PFT")	12/14/2011
NYSR00049	NYS-37	Declaration of Assistant Attorney General Susan C. von Reusner ("PFT von Reusener Decl. NYS-37")	12/22/2011
NYS000050	NYS-37	Curriculum Vitae of David A. Schlissel ("2011 Schlissel CV")	12/14/2011

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NYS000051	NYS-37	Declaration of David A. Schlissel (Nov. 28, 2007) (ML073400205) ("2007 Schlissel Decl.")	12/14/2011
NYS000052	NYS-37	<i>Report on the Availability of Replacement Capacity and Energy for Indian Point Units 2 & 3</i> , (Nov. 28, 2007) (ML073400205) ("2007 Synapse Report")	12/14/2011
NYS000053	NYS-37	Declaration of David A. Schlissel (Feb. 27, 2009) (ML090690303) ("2009 Schlissel Decl.")	12/14/2011
NYS000054	NYS-37	Declaration of David A. Schlissel (Jan. 31, 2011) (ML110680290) ("2011 Schlissel Decl.")	12/14/2011
NYS000055	NYS-37	National Research Council of the National Academies, Committee on Alternatives to Indian Point for Meeting Energy Needs, <i>Alternatives to the Indian Point Energy Center for Meeting New York Electric Power Needs</i> (June 2006) ("2006 National Research Council")	12/14/2011

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NYS000056	NYS-37, NYS-17B	<i>Indian Point Retirement Options, Replacement Generation, Decommissioning/Spent Fuel Issues, and Local Economic/Rate Impacts</i> , prepared for the County of Westchester and the County of Westchester Public Utility Service Agency, by Levitan & Associates, Inc. (Jun. 9, 2005)("2005 Levitan Report")	12/14/2011
NYS000057	NYS-37	NYISO, <i>2010 Summer Outlook</i> (May 27, 2010) ("2010 NYISO Summer Outlook")	12/14/2011
NYS000058	NYS-37	NYISO, <i>2010 Reliability Needs Assessment Final Report</i> (September 2010) Excerpted: pp. ES-i, 4, 9, 12, 17, C-3, C-4("2010 NYISO RNA Report")	12/14/2011
NYS000059	NYS-37	NYISO, <i>2009 Annual Report: Energizing the Empire State</i> Excerpted: p. 6 ("2009 NYISO Energizing Annual Report")	12/14/2011

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NYS000060	NYS-37	<i>Electric & Natural Gas Efficiency Potential in New York</i> , presentation by Philip Mosenthal, Optimal Energy, Inc. at the New York State Public Service Commission Energy Efficiency Portfolio Standard Overview Forum (Jul. 19, 2007) ("2007 Optimal Slide")	12/14/2011
NYS000061	NYS-37	NYS PSC, Order, Establishing Energy Efficiency Portfolio Standard and Appraising Programs, Case No. 07-M-0548 (Jun. 23, 2008) Excerpted: pp. 1-3 ("June 2008 NYS PSC Order")	12/14/2011
NYS000062	NYS-37	New York State Energy Plan, <i>Energy Efficiency Assessment</i> (December 2009) Excerpted: Overview and pp. 1-3, 28-29 ("2009 NYS Energy Efficiency Assessment")	12/14/2011
NYS000063	NYS-37	Optimal Energy, Inc., <i>Achievable Electric Energy Efficiency Potential in New York State</i> (2008) Excerpted: pp. 5-6 ("2008 Optimal Report")	12/14/2011
NYS000064	NYS-37	NYISO, <i>Reliability Summary 2009-2018</i> Excerpted: pp. 5-6 ("2009-2018 NYISO Reliability Summary")	12/14/2011

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NYS000065	NYS-37	Section 8.2.5. "Utility Sponsored Conservation," Shearon Harris FSEIS, NUREG-1437, Supplement 33 (August 2008) Excerpted: pp. 8-63-68 ("2008 Shearon Harris FSEIS")	12/14/2011
NYS000066	NYS-37	Section 8.3 "Energy Conservation/Energy Efficiency," Three Mile Island FSEIS, NUREG-1437, Supplement 37 (June 2009) Excerpted: pp. 8-25-30 ("2009 Three Mile Island FSEIS")	12/14/2011
NYS000067	NYS-37	Governor David A Paterson, <i>Our Time to Lead: State of the State Address</i> (2009) ("2009 Paterson Address")	12/14/2011
NYS000068	NYS-37	New York State Energy Planning Board, <i>2009 NYS Energy Plan: Renewable Energy Assessment</i> (December 2009) ("2009 NYS REA")	12/14/2011
NYS000069	NYS-37	NYISO, <i>Integration of Wind into System Dispatch, A New York ISO White Paper</i> (October 2008) Excerpted: pp. 1-1, 5-1 ("2008 Integration of Wind")	12/14/2011

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NYS000070	NYS-37	NYISO, <i>Growing Wind: Final Report of the NYISO 2010 Wind Generation Study</i> (September 2010) Excerpted: pp. i-v ("2010 NYISO Growing Wind Report")	12/14/2011
NYS000071	NYS-37	GE Financial Services, <i>New Jersey's and New York City's Electricity Systems Now Talking to Each Other, Thanks to GE's Smart Grid Technology & Smart Capital</i> , Press Release (Dec. 8, 2009) ("2009 Smart Press Release")	12/14/2011
NYS000072	NYS-37	NYS PSC, <i>Commission Approves Transmission Line to NYS: Power Line Would Improve Reliability, Increase Supply</i> , Press Release (Sept. 8, 2010) ("2010 NYS PSC Press Release")	12/14/2011
NYS000073	NYS-37	Cavallo Energy, <i>Cavallo Cross Hudson Management LLC Accepting Open Season Applications for New Transmission Capacity from New Jersey to New York</i> (May 26, 2010) ("2010 Cavallo Press Release")	12/14/2011

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NYS000074	NYS-37	London Economics International, LLC, <i>Projected Energy Market, Capacity Market and Emissions Impact Analysis of the Champlain-Hudson Power Express Transmission Project for New York</i> (Jul. 16, 2010) Excerpted: pp. 1, 7-14 ("2010 LEI Study")	12/14/2011
NYS000075	NYS-37	NYS PSC, PSC Correspondence, Case No. 06-T-0650, (Issued Apr. 21, 2009) ("April 2009 NYS PSC Correspondence")	12/14/2011
NYS000076	NYS-37	United States Department of Energy, Champlain Hudson Power Express EIS, Docket # PP-362, main home page, available at http://chpexpreseis.org ("CHPET")	12/14/2011
NYS000077	NYS-37	NRG Astoria Gas Turbine Power LLC - Repowering Project, State Environmental Quality Review (SEQR), Scoping Document for Draft Environmental Impact Statement (Oct. 8, 2008) Excerpted: p. 3 ("2008 Astoria Scoping")	12/14/2011

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NYS000078	NYS-37	<i>Report and Recommendations Concerning the Little Gypsy Unit 3 Repowering Project</i> , submitted by Entergy Louisiana to the Louisiana Public Service Commission (Apr. 1, 2009) ("2009 Little Gypsy Unit 3 Report")	12/14/2011
NYS000079	NYS-37	Remarks by Governor Eliot Spitzer, "15 by 15:" <i>A Clean Energy Strategy for New York</i> (Apr. 19, 2007) ("2007 Spitzer's 15 x 15")	12/14/2011
NYS000080	NYS-37	Optimal Energy, Inc., <i>Energy Efficiency and Renewable Energy Resource Development Potential in New York State, Final Report, Volume One: Summary Report</i> (August 2003) ("2003 Optimal Report")	12/14/2011
NYS000081	NYS-37	NYS PSC, Order, Approving "Fast Track" Utility-Administered Electric Energy Efficiency Programs with Modifications, Case Nos. 08-E-1003, 08-E-1007, 08-E-1014, and 08-E-1019 (Jan. 16, 2009) Excerpted: pp. 1-4 ("January 2009 NYS PSC Order")	12/14/2011

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NYS000082	NYS-37	<i>New York's Solar Roadmap; A Plan for Energy Reliability, Security, Environmental Responsibility and Economic Development in New York State</i> (May 2007) Excerpted: Executive Summary ("Solar Roadmap")	12/14/2011
NYS000083	NYS-37	NYSERDA, <i>Combined Heat and Power, Market Potential for New York State</i> , Final Report 02-12 (October 2002) Excerpted: ES-1-ES-11 ("2002 NYSEDA Final Report")	12/14/2011
NYS000084	NYS-37	<i>The Feasibility of Re-Powering KeySpan's Long Island Electric Generating Plants to Meet Future Energy Needs</i> , Long Island University, Center for Management Analysis (Aug. 6, 2002) Excerpted: pp. 7-8 ("2002 LIU Study")	12/14/2011
NYS000085	NYS-37	<i>Wind Integration Study - Final Report</i> , prepared for Xcel Energy and the Minnesota Department of Commerce by EnerNex Corporation and Wind Logics, Inc. (Sept. 28, 2004) Excerpted: Project Summary ("2004 EnerNex Study")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000086	NYS-37	NYSERDA, <i>Wind Powering America: New York</i> ("NY Wind Power")	12/14/2011
NYS000087	NYS-37	<i>The Effects of Integrating Wind Power on Transmission System Planning, Reliability, and Operations, Report on Phase 1, Preliminary Overall Reliability Assessment</i> , prepared for NYSDERA by GE Energy Consulting (2004) Excerpted: pp. ii-iii, vi-ix, 2.1-2.9 ("2004 Phase 1 Report")	12/14/2011
NYS000088	NYS-37	<i>The Effects of Integrating Wind Power on Transmission System Planning, Reliability, and Operations, Report on Phase 2, System Performance Evaluation</i> , prepared for NYSDERA by GE Energy Consulting (March 2005) Excerpted: pp. v-x, 1.1-2.16 ("2005 Phase 2 Report")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000089	NYS-37	NYSERDA, <i>New York State Renewable Portfolio Standard Performance Report for the Program Period ending March 2007</i> (August 2007) Excerpted: p. ES-2 ("March 2007 NYS RPS Report")	12/14/2011
NYS000090	NYS-37	<i>The Proposed Broadwater LNG Import Terminal Update of Synapse Analysis</i> (Jan. 19, 2007) ("2007 Broadwater Update")	12/14/2011
NYS000091	NYS-37	Astoria Repowering Project, <i>Progress Report to Stakeholders and Interested Parties</i> (July 2010) ("2010 Astoria Repowering Report")	12/14/2011
NYS000092	NYS-37	Remizowski, Leigh, <i>\$1.5B makeover for NRG Energy power plants means better air for residents</i> , New York Daily News (Apr. 25, 2010) ("2010 Remizowski")	12/14/2011
NYS000093	NYS-37	NYPA, <i>NYPA to Cease Operations of Queens Power Plant on January 31st</i> , Press Release (Jan. 29, 2010) ("2010 NYPA Press Release")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000094	NYS-37	Empire Generating Co., LLC, Project Timeline as of May 19, 2010 ("2010 Empire Project Timeline")	12/14/2011
NYS000095	NYS-37	<i>Estimate Places Natural Gas Reserves 35 percent Higher</i> , New York Times (Jun. 18, 2009) ("2009 NYT Article")	12/14/2011
NYS000096	NYS-37	NYISO, <i>2007 Load and Capacity Data</i> Excerpted: pp. 1-9 ("2007 NYS Data")	12/14/2011
NYS000097	NYS-37	Curriculum Vitae of Peter J. Lanzalotta ("2011 Lanzalotta CV")	12/14/2011
NYS000098	NYS-37	Declaration of Peter J. Lanzalotta (Feb. 1, 2011)(ML110680290) ("2011 Lanzalotta Decl.")	12/14/2011
NYS000099	NYS-37	NYISO's <i>2009 Comprehensive Review of Resource Adequacy: Covering the New York Control Area for the period 2010 to 2014</i> (Mar. 10, 2010) ("2010 NYISO NYCA Resource Adequacy")	12/14/2011
NYS000100	NYS-37	NYISO, <i>2010 Load & Capacity Data - "Gold Book"</i> (April 2010) Excerpted: pp. 5-8 ("2010 NYISO Gold Book")	12/14/2011

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NYS000101	NYS-37	Wilderness Society Et. Al U.S. Dept. of Energy (9th Cir. No. 08-71074) (Feb. 1, 2011) ("Wilderness Society")	12/14/2011
NYS000102	NYS-37	FERC Docket No. OA08-52-003, <i>New York Independent System Operator, Inc.</i> , Order on Rehearing, 126 FERC ¶ 61,320 (Issued Mar. 31, 2009) Excerpted: pp. 1-2 ("2009 Order on Rehearing")	12/14/2011
NYS000103	NYS-37	NYISO, Final Report, <i>Comprehensive Reliability Plan: Comprehensive System Planning Process</i> (May 19, 2009) Excerpted: p.1 ("2009 NYISO Reliability Annual Report")	12/14/2011
NYS000104	NYS-37	Curriculum Vitae of Peter A. Bradford ("2011 Bradford CV")	12/14/2011
NYS000105	NYS-37	Declaration of Peter A. Bradford, dated November 28, 2007 (ML073400205) ("2007 Bradford Decl.")	12/14/2011
NYS000106	NYS-37	Declaration of Peter A. Bradford, dated February 2, 2011 (ML110680290) ("2011 Bradford Decl.")	12/14/2011
NYS000107	NYS-37	Power NY Act of 2011 ("2011 NY Power Act")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000108	NYS-37	NYISO, <i>Power Trends 2010: New York's Emerging Energy Crossroads</i> (April 2010) ("2010 NYISO Power Trends")	12/14/2011
NYS000109	NYS-37	New York State Energy Planning Board, <i>2009 NYS Energy Plan: Energy Demand and Price Forecasts</i> (December 2009) Excerpted: p. 10 ("2009 NYS Energy Forecasts")	12/14/2011
NYS000110	NYS-37	NYISO News Release, <i>New York Sets Power Usage Record in July: Summer Heat Spurs Electricity Demand</i> (Aug. 9, 2010) ("2010 NYISO Press Release")	12/14/2011
NYS000111	NYS-37	NYS PSC, Order, Granting Certificate of Environmental Capability and Public Need, Case No. 08-T-0034 (September 15, 2010) Excerpted: pp. 44-47 ("Sept. 15, 2010 NYS PSC Order")	12/14/2011
NYS000112	NYS-37	ACEEE, <i>2010 State Energy Efficiency Scorecard</i> , Excerpted: p. 1-5 ("2010 ACEEE Scorecard")	12/14/2011
NYS000113	NYS-37	NYSERDA, <i>New York's Clean-Energy Economy, 2009-2010 Annual Report</i> ("NYSERDA 2010 Clean Energy Report")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000114	NYS-37	Susan Tierney, The Analysis Group, <i>The New York Independent System Operator: A Ten-Year Review</i> (Apr. 12, 2010) Excerpted: p. 50 ("2010 Tierney Review")	12/14/2011
NYS000115	NYS-37	United States Energy Information Administration, Department of Energy, <i>Annual Energy Outlook 2010 with Projections to 2035</i> (April 2010) Excerpted: Executive Summary ("2010 Energy Outlook")	12/14/2011
NYS000116	NYS-37	Gerald Warburg, <i>A Study of NRC Procedures for Assessing Need for Power and Alternative Energy Sources in Fulfillment of the NEPA Requirements for Environmental Impact Statements</i> (July 1979) ("1979 Warburg Study")	12/14/2011
NYS000117	NYS-37	NYSERDA, <i>New York State Renewable Portfolio Standard Performance Report Program Period December 31, 2010</i> ("2010 NYS RPS Report")	12/14/2011
NYS000118	NYS-37	SMUD's history: 1990: Moving Into Leadership on Green Energy, Conservation ("SMUD History")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000119	NYS-37	<i>Energy Choices Revisited: An Examination of the Costs and Benefits of Maine's Energy Policy</i> , a study for Mainewatch Institute by Economic Research Associates, the American Council for an Energy Efficient Economy and the Tellus Institute (1994) Excerpted: Executive Summary ("1994 Mainewatch Study")	12/14/2011
NYS000120	NYS-37	Goldman, C., J. Eto, and G. Barbose, <i>California customer load reductions during the electricity crisis: did they help to keep the lights on?</i> (LBNL-49733) (May 2002) Excerpted: Abstract ("2002 Eto Paper")	12/14/2011
NYS000121	NYS-37	<i>Energy Efficiency: California's Highest Priority Resource</i> , California Public Utilities Commission and California Energy Commission (June 2006) Excerpted: p. 4 ("2006 CPUC and CEC Report")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000122	NYS-37	New York State Energy Planning Board, <i>New York State Energy Plan, Natural Gas Assessment</i> (December 2009) Excerpted: p. 9 ("2009 NYS NGA")	12/14/2011
NYS000123	NYS-37	NYISO, <i>2010 Comprehensive Reliability Plan</i> (Jan. 11, 2011) Excerpted: pp. 1, 8-9("2010 NYISO Reliability Plan")	12/14/2011
NYS000124	NYS-37	NYS PSC, Order, Authorizing Workforce Development Initiatives, Case 07-M-0548, (Jun. 22, 2009)("June 2009 NYS PSC Order")	12/14/2011
NYS000125	NYS-37	56 Fed. Reg. 47,016, Environmental Review for Renewal of Operating Licenses - Part 51 (Sept. 17, 1991) ("56 Fed. Reg. 47,016")	12/14/2011
NYS000126	NYS-37	NUREG-1440, <i>Regulatory Analysis of Proposed Amendments to Regulations Concerning the Environmental Review for Renewal of Nuclear Power Plant Operating Licenses: Draft Report for Comment</i> (August 1991) ("1991 NUREG-1440 Draft for Comment")	12/14/2011

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NYS000127	NYS-37, NYS-17B	61 Fed. Reg. 28,467, Environmental Review for Renewal of Nuclear Power Plant Operating Licenses(Jun. 5, 1996) ("61 Fed. Reg. 28,467")	12/14/2011
NYS000128	NYS-37	61 Fed. Reg. 66,537, Environmental Review for Renewal of Nuclear Power Plant Operating Licenses(Dec. 18, 1996) ("61 Fed. Reg. 66,537")	12/14/2011
NYS000129	NYS-37	National Renewable Energy Laboratory, <i>Land-Use Requirements of Modern Wind Power Plants in the United States</i> , Paul Denholm, Maureen Hand, Maddalena Jackson, and Sean Ong (August 2009) Excerpted: p. 22 ("2009 NREL Report")	12/14/2011
NYS000130	NYS-37	68 Fed. Reg. 55,905, Denial of Petition for Rulemaking(Sept. 29, 2003) ("68 Fed. Reg. 55,905")	12/14/2011
NYS00131A- NYS00131I	NYS-37	NUREG-1437, <i>Generic Environmental Impact Statement for License Renewal of Nuclear Plants: Main Report, Volumes 1 and 2</i> (May 1996) ("GEIS")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS00132A-NYS00132D	NYS-37, NYS-16B, NYS-17B	NUREG-1437, <i>Draft Supplemental Environmental Impact Statement for License Renewal of Nuclear Plants: Regarding Indian Point Units 2 and 3, Supplement 38, Volumes 1 and 2</i> (December 2008) ("DSEIS")	12/14/2011
NYS00133A-NYS00133D	NYS-37, NYS-16B, NYS-17B	NUREG-1437, <i>Generic Environmental Impact Statement for License Renewal of Nuclear Plants: Regarding Indian Point Nuclear Generating Unit Nos. 2 and 3, Supplement 38, Volumes 1, 2 and 3</i> (December 2010) ("FSEIS")	12/14/2011
NYS00133E-NYS00133J	NYS-37, NYS-16B, NYS-17B	NUREG-1437, <i>Generic Environmental Impact Statement for License Renewal of Nuclear Plants: Regarding Indian Point Nuclear Generating Unit Nos. 2 and 3, Supplement 38, Volumes 1, 2 and 3</i> (December 2010) ("FSEIS")	12/16/2011
NYS000134	NYS-37, 17B	New York State Attorney General, Comments on the Draft Supplemental Environmental Impact Statement, Indian Point Units 2 and 3 (Mar. 19, 2009)(ML090771328)("2009 NYS AG Comments")	12/14/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000135	NYS-6/7	State of New York Statement of Position, NYS-6/7 ("NYS-6/7 SOP")	12/15/2011
NYS000136	NYS-6/7	Pre-filed Testimony of Earle Bascom ("Bascom PFT")	12/15/2011
NYS000137	NYS-6/7	Bio of Earle Bascom ("2011 Bascom CV")	12/15/2011
NYS000138	NYS-6/7	Report of Earle Bascom in Support of Contentions NYS-6/7 ("2011 Bascom Report")	12/15/2011
NYS000139	NYS-6/7	T. Miyashita, "Deterioration of Water-Immersed Polyethylene-Coated Wire by Treeing," IEEE Transactions on Electrical Insulation (September 1971) ("Miyashita")	12/15/2011
NYSR00140	NYS-6/7	L. A. Dissado and J.C. Fothergill, Electrical Degradation and Breakdown in Polymers, IEE Materials and Devices Series 9 (1992) Excerpted: p. 18-19 ("Dissado")	12/22/2011
NYS000141	NYS-6/7	S. Boggs, J. Densley, and J. Kuang, "Mechanism for Impulse Conversion of Water Trees to Electrical Trees in XLPE," IEEE Trans. Power Del., Vol. 13, No. 2 (Apr. 1998) ("Boggs")	12/15/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000142	NYS-6/7	C.T. Meyer and A. Chamel, "Water and Ion Absorption by Polyethylene in Relation to Water Treeing," IEEE Transactions on Electrical Insulation, Vol. EI-15, No. 5 (October 1980) ("Meyer")	12/15/2011
NYS000143	NYS-6/7	R. Ross, "Water Treeing Theories – Current Status, Views and Aims," Proceedings of 1998 International Symposium on Electrical Insulating Materials, in conjunction with 1998 Asian International Conference on Dielectrics and Electrical Insulation and the 30th Symposium on Electrical Insulating Materials, Toyohashi, Japan (Sept. 27-30, 1998) ("Ross")	12/15/2011
NYS000144	NYS-6/7	N. Hampton, R. Hartlein, et. al., "Long-Life XLPE Insulated Power Cable," Jicable (2007) ("Hampton")	12/15/2011
NYS000145	NYS-6/7	W. Shu, S.A. Boggs, "Effect of Cable Restoration Fluid on Inhibiting Water Tree Initiation", IEEE Transactions on Power Delivery, Vol. 26, No. 1 (January 2011) ("Shu")	12/15/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS00146A- NYS00146C	NYS-6/7, NYS-25, NYS-26B/RK-TC-1B	NUREG-1801, Rev. 1, Volumes 1 and 2, Generic Aging Lessons Learned (GALL) Report (September 2005) ("GALL Rev 1")	12/15/2011
NYS00147A- NYS00147D	NYS-6/7, NYS-5, NYS-25, NYS-26B/RK-TC-1B	NUREG-1801, Rev. 2, Generic Aging Lessons Learned (GALL) Report, Final Report (December 2010) ("GALL Rev 2")	12/15/2011
NYS000148	NYS-6/7	NUREG/CR-7000, BNL-NUREG-90318-2009, "Essential Elements of an Electric Cable Condition Monitoring Program," Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission (January 2010) ("NUREG/CR-7000")	12/15/2011
NYS000149	NYS-6/7	NRC Generic Letter 2007-01: Inaccessible or Underground Power Cable Failures That Disable Accident Mitigation Systems or Cause Plant Transients (Feb. 7, 2007) ("Generic Letter 2007-01")	12/15/2011

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NYS000150	NYS-6/7	NRC Request For Additional Information For The Review Of The Indian Point Nuclear Generating Unit Number 2 and 3 (Feb. 10, 2011) ("RAI")	12/15/2011
NYS000151	NYS-6/7, NYS-5	Entergy Response (NL-11-032) to Request for Additional Information (RAI), Aging Management Programs, Indian Point Nuclear Generating Unit Nos. 2 & 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-643 (Mar. 28, 2011) ("Entergy's March 28 Response")	12/15/2011
NYS000152	NYS-6/7, NYS-5	Entergy Response (NL-11-074) to Request for Additional Information (RAI), Aging Management Programs, Indian Point Nuclear Generating Unit Nos. 2 & 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Jul. 14, 2011) ("Entergy's July 14 Response")	12/15/2011
NYS000153	NYS-6/7	Entergy Response (NL-11-090) to Request for Additional Information for the Review Of The Indian Point Nuclear Generating Unit Number 2 and 3 (Jul. 27, 2011) ("Entergy's July 27 Response")	12/15/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000154	NYS-6/7, NYS-5	Entergy Clarification (NL-11-096) for Request for Additional Information (RAI), Aging Management Programs, Indian Point Nuclear Generating Unit Nos. 2 & 3, DOcket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Aug. 9, 2011) ("Entergy's August 9 Response")	12/15/2011
NYS000155	NYS-6/7	Inquiry Into The Auckland Power Supply Failure, Technical Report - Cable Failures, Integral Energy Australia (May 5, 1998) ("Auckland")	12/15/2011
NYS00156A-NYS00156E	NYS-6/7	SAND96-0344, "Aging Management Guideline for Commercial Nuclear Power Plants - Electrical Cable and Terminations (September 1996) ("SAND96-0344")	12/15/2011
NYS000157	NYS-6/7	EPRI, Technical Report (1003664), "Medium-Voltage Cables in Nuclear Plant Applications - State of Industry and Condition Monitoring," Final Report (October 2003) ("EPRI 1003664")	12/15/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000158	NYS-6/7	EPRI, "Plant Support Engineering: Aging Management Program Guidance for Medium-Voltage Cable Systems for Nuclear Power Plants," Final Report (1020805) (June 2010) ("EPRI 1020805")	12/15/2011
NYS000159	NYS-6/7	Entergy (NL-07-153) Amendment 1 to License Renewal Application, Excerpted: Attachment 3 - AMP Audit at 32-33 (Dec. 18, 2007) ("LRA Amendment 1")	12/15/2011
NYS000160	NYS-6/7, NYS-5, NYS-25, NYS-26B/RK-TC-1B	NUREG-1930, Safety Evaluation Report Related to the License Renewal of Indian Point Nuclear Generating Unit Nos. 2 and 3, Supplement No. 1, Docket Nos. 50-247 and 50-286 (August 2011) ("SSER")	12/15/2011
NYS000161	NYS-6/7, NYS-25, NYS-26B/RK-TC-1B	NUREG-1800, Final Report, Rev. 2, Standard Review Plan for Review of License Renewal Applications for Nuclear Plants (December 2010) ("SRP Rev 2")	12/15/2011
NYS000162	NYS-6/7	Declaration of Assistant Attorney General Lisa Feiner ("PFT Feiner Decl.")	12/15/2011
NYSR00163	NYS-5	State of New York Statement of Position, NYS-5 ("NYS-5 SOP")	12/22/2011

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NYS000164	NYS-5	Pre-filed Testimony of David J. Duquette ("Duquette PFT")	12/16/2011
NYS000165	NYS-5	Report of Dr. David J. Duquette ("2011 Duquette Report")	12/16/2011
NYS000166	NYS-5	Curriculum Vitae of David J. Duquette ("2011 Duquette CV")	12/16/2011
NYS000167	NYS-5	EPRI Report 1016456: Recommendations for an Effective Program to Control the Degradation of Buried Pipe ("EPRI 1016456")	12/16/2011
NYS000168	NYS-5	Guideline for the Management of Underground Piping and Tank Integrity", NEI 09-14 (Rev.1) (December 2010) ("NEI 09-14 Rev. 1")	12/16/2011
NYS000169	NYS-5	Buried Pipe Integrity Task Force, "Industry Guidance for the Development of Inspection Plans for Buried Piping" (April 2011) ("NEI Task Force")	12/16/2011
NYS000170	NYS-5	Entergy, Condition Report, CR-IP2-2009-00666 (Feb. 15, 2009) attaching Structural Integrity Associates' Analysis of 8" Condensate Return Line Failure (May 15, 2009) ("Feb. 2009 CR-IP2-2009-00666")	12/16/2011

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NYS000171	NYS-5	Entergy (NL-09-111), Additional Information Regarding Renewal Application-IPEC RAI 2.3A.3.11-1 and Buried Piping and Tanks Inspection Clarifications, Indian Point Nuclear Generating Unit Nos. 2 and 3, Docket Nos. 50-247 and 50-286, License Nos. DPR-26 and DPR-64 (Aug. 6, 2009) (ML092250374), Excerpted: Attachment 1 ("NL-09-111")	12/16/2011
NYS000172	NYS-5	Entergy, Nuclear Management Manual, EN-DC-343, Rev. 4, Underground Piping and Tanks Inspection and Monitoring Program (May 16, 2011)("EN-DC-343")	12/16/2011
NYS000173	NYS-5	CEP-UPT-0100, Rev. 0, Underground Piping and Tanks Inspection and Monitoring (IPEC00234964) ("CEP-UPT-0100")	12/16/2011
NYS000174	NYS-5	SEP-UIP-IPEC, Rev. 0, Underground Components Inspection Plan (IPEC00234037) ("SEP-UIP-IPEC")	12/16/2011
NYS000175	NYS-5	Structural Integrity Associates' Analysis of 8" Condensate Return Line Failure (May 15, 2009) ("SIA Analysis")	12/16/2011

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NYS000176	NYS-5	Letter, Alexander Marion (NEI) to Eric J. Leeds (NRC Office of Nuclear Reactor Regulation) (Nov. 3, 2010) ("NEI Letter")	12/16/2011
NYS000177	NYS-5	Entergy, Corrective Action, Condition Report (CR-IP2-2005-03902) (Oct. 31, 2005) ("CR-IP2-2005-03902")	12/16/2011
NYS000178	NYS-5	PCA Engineering, Inc., "Corrosion/Cathodic Protection Field Survey and Assessment of Underground Structures at Indian Point Energy Center Unit Nos. 2 and 3 during October 2008" Nov. 10, 2008 (Revised Dec. 2, 2008)(Engineering Report No. IP-RPT-09-00011, Rev. 0) ("PCA Report")	12/16/2011
NYS000179	NYS-5	Root Cause Analysis Report, CST Underground Recirc Line Leak, CR-IP2-2009-00666, Rev. 0 (May 14, 2009) ("May 2009 CR-IP2-2009-00666")	12/16/2011
NYS000180	NYS-5	Entergy, Corrective Action, LO-IP3LO-2008-00151 (Dec. 30, 2008) ("LO-IP3LO-2008-00151")	12/16/2011
NYS000181	NYS-5	NRC Inspector General, Audit of NRC's Management of Licensee Commitments, OIG-A-17 (Sept. 19, 2011) ("OIG-A-17")	12/16/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000182	NYS-5	NRC, Preliminary Listing of Events Involving Tritium Leaks (Mar. 28, 2006) (ML060930382) ("Tritium Leaks")	12/16/2011
NYS000183	NYS-5	NRC Preliminary Notification of Event or Unusual Occurrence PNO-RIII-05-016A, "Potential Off-site Migration of Tritium Contamination (Update)" (Dec. 7, 2005) (ML053410293) ("PNO-RIII-05-016A")	12/16/2011
NYS000184	NYS-5	NRC Preliminary Notification of Event or Unusual Occurrence, PNO-IV-06-001, "Followup For Tritium Contamination Found In Water Onsite" (Mar. 17, 2006) (ML060760584) ("PNO-IV-06-001")	12/16/2011
NYS000185	NYS-5	Ken Alltucker, Radioactive Water Found at Palo Verde, The Arizona Republic (Mar. 4, 2006) ("Alltucker Article")	12/16/2011
NYS000186	NYS-5	NRC Preliminary Notification of Event or Unusual Occurrence, PNO-II-07-012, "Onsite Groundwater Tritium Contamination" (Oct. 11, 2007) (ML073111396) ("PNO-II-07-012")	12/16/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000187	NYS-5	NRC Preliminary Notification of Event or Unusual Occurrence, PNO-III-08-011, "Tritium Leakage" (Oct. 16, 2007) (ML072890262) ("PNO-III-08-011")	12/16/2011
NYS000188	NYS-5	NRC Preliminary Notification of Event or Unusual Occurrence, PNO-III-07-012, "Both Units at Byron Shut Down Due to a Leak in Pipe" (Oct. 23, 2007) (ML072960109) ("PNO-III-07-012")	12/16/2011
NYS000189	NYS-5	NRC Press Release No. III-07-24, "NRC Begins Special Inspection at Byron Nuclear Station to Review Corrosion and Leakage of Equipment Cooling Water Pipe" (Oct. 23, 2007) (ML072960643) ("III-07-24")	12/16/2011
NYS000190	NYS-5	NRC Information Notice 2004-05, NRC Office of Nuclear Reactor Regulation, "Spent Fuel Pool Leakage To Onsite Groundwater," (Salem, New Jersey, Nuclear Power Generating Station)(Mar. 3, 2004) ("NRC IN 2004-05")	12/16/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000191	NYS-5	NRC Information Notice 2006-13, NRC Office of Nuclear Reactor Regulation, "Ground-Water Contamination Due to Undetected Leakage of Radioactive Water," (discussing leaks at Haddam Neck and other nuclear power plants) (Jul. 10, 2006) ("NRC IN 2006-13")	12/16/2011
NYS000192	NYS-5	General Accounting Office, Information on the Tritium Leak and Contractor Dismissal at the Brookhaven National Laboratory(GAO/RCED-98-26) (November 1997) ("GAO Report on Tritium")	12/16/2011
NYS000193	NYS-5	Greg Clary, <i>New Tritium Leak Found at Indian Point</i> , Poughkeepsie Journal News (Apr. 24, 2007) ("Clary Article")	12/16/2011
NYS000194	NYS-5	Email, Kathleen McMullin (Entergy) to Eugene Coby, et al. (NRC), "IPEC status report for Sept. 6 2007" (ML072970221) ("McMullin Email")	12/16/2011
NYS000195	NYS-5, NYS-25, NYS-26B/RK-TC-1B	NUREG-1800, Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants (September 2005 version) ("Sept. 2005 SRP")	12/16/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000196	NYS-5	Email, Harold Gray to Keith Hoffman and Robert Hardies, cc Richard Conte and Timothy Lupold, Subject line: FW: Buried piping - Proposed NRC Action (Apr. 23, 2010) ("Gray Email")	12/16/2011
NYS000197	NYS-5	Email, Burroni, Richard J (Entergy) to Lee, Robert C; Azevedo, Nelson F; Orlando, Caputo, Charles; Mayer, Donald M, RE: J Pollock review Friday-ISE R-7 Recommendation (Aug. 12, 2008) ("Burroni Email")	12/16/2011
NYS000198	NYS-5	Email, Kimberly Green to Michael Stroud and Donna Tyner, Subject: Draft Telecon Summaries (Aug. 10, 2009)(ML092220768) ("Green Email")	12/16/2011
NYS000199	NYS-5	NRC Letter, "Request for Additional Information for the Review of the Indian Point Nuclear Generating Unit Numbers 2 and 3, License Renewal Application" (Feb. 10, 2011) ("Feb. RAI")	12/16/2011

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NYS000200	NYS-5	NRC Letter, "Request for Additional Information for the Review of the Indian Point Nuclear Generating Unit Numbers 2 and 3, License Renewal Application" (Jun. 15, 2011) ("Jun. RAI")	12/16/2011
NYS000201	NYS-5	Entergy, Nuclear Management Manual, EN-DC-343, Rev. 0, Underground Piping and Tanks Inspection and Monitoring Program (IPEC00071653)("EN-DC-343")	12/16/2011
NYS000202	NYS-5	Regarding corrective action on buried piping at Indian Point (CR-IP2-2008-04754) (Dec. 11, 2008) ("CR-IP2-2008-04754")	12/16/2011
NYS000203	NYS-5	Letter, Fred Dacimo (Entergy) to U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, NL-09-106 (July 27, 2009)	12/16/2011
NYS000204	NYS-5	Letter, Paul Bessette to Janice A. Dean (Nov. 17, 2009) ("Bessette Letter")	12/16/2011
NYSR00205	NYS-5	Declaration of Assistant Attorney General Janice A. Dean ("PFT Dean Decl.")	12/22/2011
NYS000206	NYS-16B	State of New York Statement of Position, NYS-16B ("NYS-16B SOP")	12/16/2011

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NYS000207	NYS-16B	Pre-filed Testimony of Stephen C. Sheppard ("Sheppard PFT NYS-16B")	12/16/2011
NYS000208	NYS-16B, NYS-17B	Curriculum Vitae of Stephen C. Sheppard (2011 Sheppard CV)	12/16/2011
NYS000209	NYS-16B	Report of Stephen C. Sheppard ("2011 Sheppard Report NYS-16B")	12/16/2011
NYS000210	NYS-16B	Declaration of Assistant Attorney General Kathryn Liberatore ("PFT Liberatore Decl. NYS-16B")	12/16/2011
NYS000211	NYS-16B	Enercon, Site Specific MACCS2 Input Data for Indian Point Energy Center, Revision 1 (Dec. 1, 2009) Excerpted: pp. 1-1 to 2-7 ("Consultant's Report")	12/16/2011
NYS000212	NYS-16B	J.G. Robinson, B. Ahmed, P.D. Gupta and K.A. Woodrow, "Estimation of Population Coverage in the 1990 United States Census Based on Demographic Analysis," <i>Journal of the American Statistical Association</i> , Vol. 88, No. 423 (September 1993) ("Robinson Paper")	12/16/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000213	NYS-16B	U.S. Census Monitoring Board, Presidential Members Final Report to Congress (Sept. 1, 2001) ("U.S. Census Monitoring Board Report")	12/16/2011
NYS000214	NYS-16B	J.G. Robinson, ESCAP II: Demographic Analysis Results, Executive Steering Committee for A.C.E. Policy II Report No. 1 (Oct. 13, 2001) ("ESCAP II")	12/16/2011
NYS000215	NYS-16B	County-to-County Worker Flow Files for Connecticut, New Jersey, New York, and Pennsylvania ("Worker Flow Files")	12/16/2011
NYS000216	NYS-16B	NUREG/CR-6613, SAND97-0594, D. Chanin, M.L. Young, J. Randall and K. Jamali, <i>Code Manual for MACCS2: Volume 1, User's Guide</i> (May 1998), Excerpted: pp. 2-1 to 2-2 ("1998 MACCS2 Code Manual")	12/16/2011
NYS000217	NYS-16B	License Renewal Application-SAMA Reanalysis Using Alternate Meteorological Tower Data, NL-09-165 (Dec. 2009) (ML11083A024) Excerpted: pp. 3-5 ("2009 SAMA Reanalysis")	12/16/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000218	NYS-16B, NYS-12C	Technical Assistance in Support of the Indian Point Units 2 and 3 License Renewal, Initial Assessment Technical Review, DPP-18-005 Prepared by Sandia National Laboratories (Jan. 8, 2010) ("Sandia Report")	12/16/2011
NYS000219	NYS-16B	List of Documents Reviewed by Dr. Sheppard ("Sheppard Document Review List NYS-16B")	12/16/2011
NYS000220	NYS-16B	NUREG-1555, Supplement 1, Standard Review Plans for Environmental Reviews of Nuclear Power Plants (October 1999) (ML003702019) Excerpted: pp. iii, 5.1.1-1 to 5.1.1-9 ("NUREG-1555")	12/16/2011
NYS000221	NYS-16B	NRC Staff email, from Robert Palla to Andrew Stuyvenberg, containing document on weather runs (Oct. 29, 2009) (ML093020493)	12/16/2011
NYS000222	NYS-16B	NRC, Regulatory Guide 1.70, Revision 3, Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants (LWR Edition)(November 1978) Excerpted: p. 2-4 ("NRC RG 1.70")	12/16/2011

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NYS000223	NYS-17B	State of New York Statement of Position, NYS-17B ("NYS-17B SOP")	12/17/2011
NYSR00224	NYS-17B	Pre-filed Testimony of Stephen C. Sheppard ("Sheppard PFT")	1/30/2012
NYS000225	NYS-17B	Declaration of Stephen C. Sheppard (Nov. 29, 2007) (ML073400193) ("2007 Sheppard Decl.")	12/17/2011
NYS000226	NYS-17B	Report of Stephen C. Sheppard, <i>Potential Impacts of Indian Point Relicensing on Property Values</i> , (Nov. 29, 2007) (ML073400193) ("2007 Sheppard Report")	12/17/2011
NYS000227	NYS-17B	Report of Stephen C. Sheppard, <i>Potential Impacts of Indian Point Relicensing with Delayed Site Remediation</i> , (Feb. 26, 2009) (ML090690303) ("2009 Sheppard Report")	12/17/2011
NYS000228	NYS-17B	Report of Stephen C. Sheppard, <i>Determinants of Property Values</i> , (Mar. 15, 2010) (ML100880169) ("2010 Sheppard Report")	12/17/2011
NYS000229	NYS-17B	Declaration of Stephen C. Sheppard (Mar. 15, 2010) (ML100880169) ("2010 Sheppard Decl.")	12/17/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000230	NYS-17B	Report of Stephen C. Sheppard, <i>Potential Economic Impacts Related to Property Value Diminution in Communities Surrounding the IPEC</i> , (Jan. 24, 2011) (ML110390250) ("January 2011 Sheppard Report")	12/17/2011
NYSR00231	NYS-17B	Impacts of the Indian Point Energy Center on Property Values, Stephen C. Sheppard, Ph.D. (Dec. 11, 2011) ("December 2011 Sheppard Report")	1/30/2012
NYS000232	NYS-17B	<i>Measuring the Externalities of Nuclear Power: A Hedonic Study</i> , Prest, B., unpublished thesis, Williams College (Nay 14, 2009) ("Prest Study")	12/17/2011
NYS000233	NYS-17B	S. Folland and R. Hough, Externalities of Nuclear Plants: Further Evidence, <i>Journal of Regional Science</i> , Vol. 40, No. 4 (2000) ("Further Evidence")	12/17/2011
NYS000234	NYS-17B	The Effects of Electric Utility Power Plant Location on Area Property Values, <i>Land Economics</i> , Vol. 50, No. 1 (February 1979) ("Land Economics")	12/17/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000235	NYS-17B	D. Clark and L. Nieves, An Interregional Hedonic Analysis of Noxious Facility Impacts on Local Wages and Property Values, Journal of Environmental Economics and Management, Vol. 27 (1994) ("Interregional Hedonic Analysis")	12/17/2011
NYS000236	NYS-17B	D. Clark, L. Michelbrink, T. Allison, and W. Metz, Nuclear Power Plants and Residential Housing Prices, Growth and Change, Vol. 28 (1997) ("Residential Housing Prices")	12/17/2011
NYS000237	NYS-17B	75 Fed. Reg. 81,032 (Dec. 23, 2010) ("75 Fed. Reg. 81,032")	12/17/2011
NYS000238	NYS-17B	<i>Preliminary Decommissioning Cost Analysis for the Indian Point Energy Center, Unit 3, TLG Services, Inc.</i> (December 2010) (Doc. E11-1583-006) (ML103550608) ("TLG Analysis")	12/17/2011
NYS000239	NYS-17B	Declaration of Assistant Attorney General Susan L. Taylor ("PFT Taylor Decl.")	12/17/2011
NYS000240	NYS-12C	State of New York Statement of Position, consolidated NYS-12C ("NYS-12C SOP")	12/21/2011
NYS000241	NYS-12C	Pre-filed Testimony of Dr. Francois J. LeMay ("LeMay PFT")	12/21/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000242	NYS-12C	Report of International Safety Research, Inc. ("2011 ISR Report")	12/21/2011
NYS000243	NYS-12C	NUREG/CR-6613, SAND97-0594, Vol. 1, Code Manual for MACCS2: User's Guide (May 1998) ("NUREG-CR-6613")	12/21/2011
NYS000244	NYS-12C	MACCS2 Computer Code Application Guidance for Documented Safety Analysis, Final Report (DOE-EH-4.2.1.4-MACCS2-Code Guidance) (June 2004) ("MACCS2 Application Guidance")	12/21/2011
NYS00245A- NYS00245B	NYS-12C	Manual of Protective Action Guides and Protective Actions for Nuclear Incidents, U.S. Environmental Protection Agency (Revised 1991, Second Printing May 1992) ("EPA Guidance")	12/21/2011
NYS000246	NYS-12C	Protecting Public Health and Safety, New York State Radiological Emergency Planning, New York State Emergency Management Office (2010) ("NYS Emergency Planning")	12/21/2011

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NYS000247	NYS-12C	The Development of MACCS2: Lessons Learned, D.I. Chanin for Energy Facilities Contractor Operating Group Safety Analysis Working Group, Annual Workshop, Santa Fe, NM (Apr. 29-May 5, 2005) ("MACCS2 Lessons Learned")	12/21/2011
NYS000248	NYS-12C	NUREG/CR-4551, SAND86-1309, Vol. 2, Rev. 1, Part 7, Evaluation of Severe Accident Risks: Quantification of Major Input Parameters (December 1990) ("Sandia Input Parameters Report")	12/21/2011
NYS000249	NYS-12C	SAND96-0957, Site Restoration: Estimation of Attributable Costs From Plutonium-Dispersion Accidents (May 1996) ("Sandia Site Restoration Report")	12/21/2011
NYS000250	NYS-12C	CONDO: Software for Estimating the Consequences of Decontamination Options, Report for CONDO Version 2.1 (with Associated Database Version 2.1) (NRPB-W43) (May 2003) ("CONDO")	12/21/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000251	NYS-12C	Practical Means for Decontamination 9 Years after a Nuclear Accident (Riso-R-828(EN)) (December 1995) ("Riso Report")	12/21/2011
NYS00252A- NYS00252D	NYS-12C	NUREG-1150, Vol. 1, Severe Accident Risks: An Assessment for Five U.S. Nuclear Power Plants, Final Summary Report (December 1990) ("NUREG-1150")	12/21/2011
NYS000253	NYS-12C	Forced Decontamination of Fission Products Deposited on Urban Areas (RISO-M-2472) (December 1994) ("Riso Study")	12/21/2011
NYS000254	NYS-12C	Abstract, "Assessment of (90)sr and (137)cs penetration into reinforced concrete (extent of 'deepening') under natural atmospheric conditions," <u>Health Phys.</u> , E.B. Farfan, S.P. Gaschak, et al. (2011) ("Abstract")	12/21/2011
NYS000255	NYS-12C	Survey of Costs Arising From Potential Radionuclide Scattering Events, R.E. Luna, et al., WM2008 Conference, Phoenix, AZ (Feb. 24-28, 2008) ("Luna Survey of Costs")	12/21/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000256	NYS-12C	Economic Consequences of a Rad/Nuc Attack: Claenup Standards Significantly Affect Cost, B. Reichmuth, et al., Working Together: R&D Partnerships in Homeland Security, Boston, MA (PNNL-SA-45256) (April 2005) ("Reichmuth Paper")	12/21/2011
NYS000257	NYS-12C	New York Census Data: Population & Housing Density (U.S. Census Bureau) ("NY Census Data")	12/21/2011
NYS000258	NYS-12C	Census of Population and Housing, Measuring America: The Decennial Censuses from 1790 to 2000 ("Decennial Census Data")	12/21/2011
NYS000259	NYS-12C	Letter, Results from Decontamination Testing Using Decon Gel 1101 attaching approved Technical Work Document, Sandia National Laboratories to Cellular Bioengineering (Oct. 7, 2007) ("Sandia Letter")	12/21/2011
NYS000260	NYS-12C	Removing Radiological Contamination From Concrete Using Strippable Coatings, U.S. Environmental Protection Agency ("EPA Rad Removal")	12/21/2011

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NYS000261	NYS-12C	EPA Technical Brief, Evaluation of Five Technologies for the Mechanical Removal of Radiological Contamination from Concrete Surfaces (March 2011) ("EPA Technical Brief")	12/21/2011
NYS000262	NYS-12C	"Dirty Bombs": Technical Background, Attack Prevention and Response, Issues for Congress (7-5700, R41890), J. Medalia (Jun. 24, 2011) ("CRS Dirty Bomb Report")	12/21/2011
NYS000263	NYS-12C	Environmental consequences of the Chernobyl accident and their remediation: twenty years of experience, International Atomic Energy Agency (ISBN 92-0-114705-8) (2006) ("IAEA Report")	12/21/2011
NYS000264	NYS-12C	Decontamination effort starts in Fukushima exclusion zone, T. Sugimoto, The Asahi Shimbun (Nov. 11, 2011) ("Sugimoto Article")	12/21/2011
NYS000265	NYS-12C	Gov't nuclear cleanup work has to wait at least until late March, The Mainichi Daily News (Dec. 12, 2011) ("December Mainichi Article")	12/21/2011

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NYS000266	NYS-12C	GSDF members start helping with Fukushima decontamination effort, AP/Japan Today (Dec. 8, 2011) ("Fukushima AP Article")	12/21/2011
NYS000267	NYS-12C	Decontamination work at homes in Fukushima not going well as radiation lingers, The Mainichi Daily News (Nov. 24, 2011) ("November Mainichi Article")	12/21/2011
NYS000268	NYS-12C	The Decontamination after the Incident in Fukushima Area Will Last for Decades, Laurentiu (Jul. 10, 2011) ("Laurentiu Article")	12/21/2011
NYS000269	NYS-12C	Rally to demand Fukushima decontamination, APN Holdings NZ Limited (Oct. 31, 2011) ("APN Article")	12/21/2011
NYS00270A- NYS00270B	NYS-12C	Enercon, Site Specific MACCS2 Input Data for Indian Point Energy Center, Revision 1 (Dec. 1, 2009) ("Enercon MACCS2 Input Data")	12/21/2011
NYS000271	NYS-12C	NUREG/CR-6525, Rev. 1, SECPop2000: Sector Population, Land Fraction, and Economic Estimation Program (ML032310279) (August 2003) ("NUREG/CR-6525")	12/21/2011

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NYS000272	NYS-12C	Table 1.1.5. Gross Domestic Product, National Income and Product Accounts Table, U.S. Department of Commerce, Bureau of Economic Analysis ("GDP Table")	12/21/2011
NYS000273	NYS-12C	Figuring Depreciation Under MACRS, Internal Revenue Service ("IRS MACRS")	12/21/2011
NYS000274	NYS-12C	HSH's National Monthly Mortgage Statistics: 2005, HSH Associates (2005) ("HSH Mortgage Statistics")	12/21/2011
NYS000275	NYS-12C	State & County QuickFacts, New York, U.S. Census Bureau ("QuickFacts")	12/21/2011
NYS000276	NYS-12C	Important News, Disaster Unemployment Assistance, NYS 3-month Average Unemployment Rate & Increase of Extended Benefits (EB) (Last updated October 11, 2011), New York State Benefit Extensions (Last updated October 11, 2011), 1099G Now Available Online, New York State Department of Labor ("DOL Important News")	12/21/2011

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NYS000277	NYS-12C	The Price of Land in the New York Metropolitan Area, Current Issues in Economics and Finance, Vol. 14, No. 3, A. Haughwout, et al. (Apr./May 2008) ("Land Prices")	12/21/2011
NYS000278	NYS-12C	Property Values in New York Show Vibrancy, S. Chan and R. Rivera, The New York Times (Jan. 13, 2007) ("NYT Article")	12/21/2011
NYS000279	NYS-12C	G.A. Teagarden (Erin Engineering), Clinton CHRONC Input File (2004) ("Clinton CHRONC Input File")	12/21/2011
NYS000280	NYS-12C	North Anna MACCS2 Output File for the AP1000 Analysis (2004) ("North Anna Output File")	12/21/2011
NYS000281	NYS-12C	Environmental Report, Arkansas Nuclear One - Unit 2, Excerpted: Attachment E - Severe Accident Mitigation Analysis ("Arkansas ER")	12/21/2011
NYS000282	NYS-12C	Levy Nuclear Plant Units 1 and 2, COL Application, Part 3, Environmental Report, Chapter 7, Environmental Impacts of Postulated Accidents Involving Radioactive Materials (ML082260951) (Aug. 14, 2008) ("Levy ER")	12/21/2011

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NYS000283	NYS-12C	The Hazard from Plutonium Dispersal by Nuclear-warhead Accidents, Science and Global Security, Vol. 2, pp. 22-41, S. Fetter and F. von Hippel (1990) ("Fetter Paper")	12/21/2011
NYS000284	NYS-12C	Decontamination Technologies Task 3, Urban Remediation and Response Project Prepared for New York City Department of Health and Mental Hygiene (BNL-82389-2009) (Jun. 20, 2009) ("BNL Report")	12/21/2011
NYS000285	NYS-12C	Plumbbob Series (DNA 6005F) (1957) ("PLUMBBOB")	12/21/2011
NYS000286	NYS-12C	"Indian Point: The Next Fukushima?," V. Gilinsky, The New York Times (Dec. 16, 2011) ("Gilinsky NYT OpEd")	12/21/2011
NYS000287	NYS-12C	NEI 05-01 [Rev A], Severe Accident Mitigation Alternatives (SAMA) Analysis, Guidance Document (November 2005) ("NEI SAMA Guidance")	12/21/2011
NYS000288	NYS-12C	NUREG/CR-4691, SAND86-1562, Vol. 2, MELCOR Accident Consequence Code System (MACCS) (February 1990) ("MACCS")	12/21/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000289	NYS-12C	"Risk Assessment For Emergency Planning Related To Nuclear Weapons Accidents," Science Applications International Corporation (SAIC-85-1849) (Sept. 25, 1985) ("SAIC Assessment")	12/21/2011
NYS000290	NYS-12C	"State-of-the-Art Report on Nuclear Weapons," Nuclear Energy Agency, Committee on the Safety of Nuclear Installations (NEA/CSNI/R(2009)5 (Dec. 17, 2009) ("NEA Report")	12/21/2011
NYS000291	NYS-12C	Curriculum Vitae of Dr. Francois J. LeMay ("2011 LeMay CV")	12/21/2011
NYS000292	NYS-12C	Declaration of Assistant Attorney General Kathryn Liberatore ("PFT Liberatore Decl. NYS-12C")	12/21/2011
NYS000293	NYS-25	State of New York Statement of Position, NYS-25A ("NYS-25A SOP")	12/22/2011
NYS000294	NYS-25	Pre-filed Testimony of Richard T. Lahey, Jr. ("Lahey PFT NYS-25A")	12/22/2011
NYS000295	NYS-25, NYS-26B/RK-TC-1B	Curriculum Vitae of Richard T. Lahey, Jr. ("2011 Lahey CV")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000296	NYS-25, NYS-26B/RK-TC-1B	Report of Richard T. Lahey, Jr. (Dec. 20, 2011) ("2011 Lahey Report NYS-25 and NYS-26B")	12/22/2011
NYS000297	NYS-25, NYS-26B/RK-TC-1B	Supplemental Report of Richard T. Lahey, Jr. (Dec. 21, 2011) ("2011 Lahey Supp Report")	12/22/2011
NYS000298	NYS-25, NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Declaration in Support of Notice of Intention to Participate and Petition to Intervene filed by the State of New York in Indian Point license renewal proceeding (Nov. 30, 2007) ("2007 Lahey Decl.")	12/22/2011
NYS000299	NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Declaration in Support of the State of New York's Supplemental Contention 26-A in Indian Point license renewal proceeding (Apr. 7, 2008) ("2008 Lahey Decl.")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000300	NYS-25, NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Declaration in Support of the State of New York's New and Amended Contention Concerning Metal Fatigue (NYS-26B/RK-TC-1B) in Indian Point license renewal proceeding (Sept. 8, 2010) ("Sept. 8, 2010 Lahey Decl.")	12/22/2011
NYS000301	NYS-25, NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Declaration in Support of the State of New York's Additional Bases for Previously-Admitted Contention NYS-25 (Embrittlement of Reactor Pressure Vessels and Associated Internals) in Indian Point license renewal proceeding (Sept. 15, 2010) ("Sept. 15, 2010 Lahey Decl.")	12/22/2011
NYS000302	NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Declaration in Support of State of New York and Riverkeeper's Contention NYS-38/RK-TC-5 (Sept. 30, 2011) ("Sept 2011 Lahey Decl.")	12/22/2011
NYS000303	NYS-25, NYS-26B/RK-TC-1B	Lahey, R.T., Jr., Response Declaration in Support of State of New York and Riverkeeper's Contention NYS-38/RK-TC-5 (Nov. 1, 2011) ("Nov. 2011 Lahey Decl.")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000304	NYS-25, NYS-26B/RK-TC-1B	Slides, NRC Aging Management Program Including Long Term Operation (LTO), Workshop on Challenges on the Long Term Operation, New Delhi, India, Excerpted: Aging R&D Areas, vg6 (ML111801154) (Nov. 8-11, 2011) ("NRC Slide vg6")	12/22/2011
NYS000305	NYS-25, NYS-26B/RK-TC-1B	Slides, NRC Aging Management Program Including Long Term Operation (LTO), Workshop on Challenges on the Long Term Operation, New Delhi, India (ML111801154) (Nov. 8-11, 2011) ("NRC Slides Nov 2011")	12/22/2011
NYS000306	NYS-25	EPRI, Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines, (MRP-227-Rev. 0), Report 1016596, Excerpted: pp. 3-9, 4-54 - 4-67 (December 2008) ("EPRI Slides MRP-227-Rev. 0 Excerpt")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS00307A- NYS00307D	NYS-25	EPRI, Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines, (MRP-227-Rev. 0), Report 1016596 (December 2008) "EPRI Slides MRP-227-Rev. 0")	12/22/2011
NYS000308	NYS-25	EPRI letter withdrawing confidentiality designation re EPRI Report, MRP-227-Rev. 0, Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines (Mar. 2, 2010) ("EPRI MRP-227-Rev. 0 Designation Letter")	12/22/2011
NYS000309	NYS-25	NRC Staff Final Safety Evaluation of EPRI Report MRP-227, Rev. 0, Letter R. Nelson to N. Wilmshurst (ML111600498) (Jun. 22, 2011) ("NRC FSE MRP-227-Rev. 0")	12/22/2011
NYS000310	NYS-25	NRC Regulatory Issue Summary 2011-07, License Renewal Submittal Information for Pressurized Water Reactor Internals Aging Management (Jul. 21, 2011) ("NRC RIS 2011-07")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000311	NYS-25	Entergy, NL-09-130, "Response to Request for Additional Information Regarding Relief Request-09," Attachment 1 (Sept. 24, 2009) ("Entergy NL-09-130")	12/22/2011
NYS000312	NYS-25	Entergy, NL-10-030 communication to NRC, Attachment 1 re Indian Point reactor vessel surveillance capsule withdrawal (Mar. 8, 2010) ("Entergy NL-10-030")	12/22/2011
NYS000313	NYS-25	Entergy submission to the Atomic Safety and Licensing Board conveying Entergy NL-10-063 communication to NRC Staff (Jul. 14, 2010) re Indian Point License Renewal Application Amendment No. 9, reactor vessel internals program (Jul. 15, 2010) ("Entergy NL-10-063")	12/22/2011
NYS000314	NYS-25	Entergy, NL-11-107 communication to NRC Staff re Indian Point License Renewal Application Commitment 30 reactor vessel internals inspection plan (Sept. 28, 2011) ("Entergy NL-11-107")	12/22/2011

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NYS000315	NYS-25, NYS-26B/RK-TC-1B	Entergy Email: Batch to Finnin, Subject: "Need to Evaluate High Cycle Fatigue to IPEC Baffle Bolts?" (12/28/06) and email string: Friday; December 28, 2006; 1:58 PM; From: Stan Batch; To: Ron Finnin; Cc: Don Fronabarger, Ted S. Ivy; Subject: "Need to evaluate high cycle fatigue for IPEC baffle bolts?" Friday; January 12, 2007; 10:14 AM; From: Stan Batch; To: Walter Wittich and Nelson F. Azevedo; Cc: Ron Finnin and Don Fronabarger; Subject: "Need to evaluate high cycle fatigue for IPEC baffle bolts?" ("Entergy Email High Cycle Fatigue")	12/22/2011

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NYS000316	NYS-25, NYS-26B/RK-TC-1B	Entergy Email: Esquillo to Stuard et al., Subject: "Section XI - Cracking" (8/30/06) and email string: Friday; June 16, 2006; 10:25 AM; From: Mark A. Rinckel; To: Ron Finnin; Cc: acox@entergy.com, Michael D. Stroud, Virgilio M. Esquillo, and Stan Batch; Subject: "Section XI - Cracking". Wednesday; August 30, 2006; 9:33 AM; From: Virgilio M. Esquilla; To: William L. Stuard, Mark L. Warren; Carole L. Naugle, and Kenneth R. Allison; Subject: "FW: Section XI - Cracking". Friday; December 8, 2006; 9:16 AM; From: Kenneth R. Allison; To: William L. Stuard; Subject: "FW: Section XI -Cracking"; Attach: Section XI-Standards.pdf ("Entergy Email Section XI")	12/22/2011
NYS000317	NYS-25, NYS-26B/RK-TC-1B	NRC Staff, Telecon-USNRC/Entergy, "Summary of Telephone Conversation held on March 18, 2008, between US Nuclear Regulatory Commission and Entergy Nuclear Operations, Inc., Pertaining to I.P. units 2 and 3, LRA-Environmental RAI" (Mar. 18, 2008) ("Telecon Summary")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000318	NYS-25	EPRI, Evaluation of Thermal Aging Embrittlement for Cast Austenitic Stainless Steel Components in LWR Reactor Coolant Systems, Final Report (TR-106092, WO2643-33) (September 1997) ("EPRI TR-106092")	12/22/2011
NYS000319	NYS-25	EPRI, MRP-175, Materials Reliability Program: PWR Internals Material Aging Degradation Mechanism Screening and Threshold Values (TR-1012081) (ML061880278) (December 2005) ("EPRI MRP-175")	12/22/2011
NYS00320A- NYS00320B	NYS-25	EPRI, "Non-Class 1 Mechanical Implementation Guidelines and Mechanical Tools," Rev. 4 (1010639) (January 2006) ("EPRI 1010639 Rev 4")	12/22/2011
NYS000321	NYS-25	EPRI, MRP-191, Materials Reliability Program: Screening, Categorization, and Ranking of Reactor Internals Components for Westinghouse and Combustion Engineering PWR Design (TR-1013234)(ML091910130) (November 2006) ("EPRI MRP-191")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000322	NYS-25	EPRI Presentation Slides, R. Dyle, "EPRI Primary Systems Corrosion Research," Excerpted: pp. 14, 20 (ML101600470) (Jun. 2, 2010) ("EPRI Slides")	12/22/2011
NYS000323	NYS-25, NYS-26B/RK-TC-1B	EPRI, MRP-228; "Materials Reliability Program: Inspection Standard for PWR Internals," Final Report (1016609) (July 2009) ("EPRI MRP-228")	12/22/2011
NYS000324	NYS-25	NRC Staff Letter, C.I. Grimes to R.A. Newton (Westinghouse Owners Group) re Acceptance for Referencing of Generic License Renewal Program Entitled, "License Renewal Evaluation: Aging Management for Reactor Internals," WCAP-14577, Rev. 1 (October 2000) (Feb. 10, 2001) ("NRC Staff Letter to WOG")	12/22/2011
NYS000325	NYS-25, NYS-26B/RK-TC-1B	NRC Advisory Committee on Reactor Safeguards letter: N. Bonaca (ACRS) to G. Jaczko (USNRC), "Report on the Safety Aspects of the License Renewal Application for the Indian Point Nuclear Generating Unit Nos. 3 and 3," (Sept. 23, 2009) ("NRC ACRS Letter to Jaczko")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS00326A- NYS00326F	NYS-25, NYS- 26B/RK-TC-1B	NRC Staff, Safety Evaluation Report Related to the License Renewal of Indian Point Nuclear Generation Units Nos. 2 and 3, NUREG-1930 (November 2009) ("NUREG-1930")	12/22/2011
NYS000327	NYS-25	NRC News No. III-10-22.C, "NRC asks FENOC to discuss basis for Davis-Besse plant restart at public meeting" (May 26, 2010) ("NRC News No. III-10-22.C")	12/22/2011
NYS000328	NYS-25	NRC Staff, Division of Component Integrity, "NRC Perspectives on PWR Materials Issues" (ML101520577) (June 2010) ("PWR Materials Issues")	12/22/2011
NYS000329	NYS-25	NRC Information Notice 2011-13, Control Rod Blade Cracking Resulting in Reduced Design Lifetime (Jun. 29, 2011) ("NRC IN 2011-13")	12/22/2011
NYS000330	NYS-25, NYS- 26B/RK-TC-1B	NUREG-1061, Vol. 3, "Report of the U.S. Nuclear Regulatory Commission Piping Review Committee, Evaluation of Potential for Pipe Breaks" (November 1984) ("NUREG-1061 Vol. 3")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000331	NYS-25, NYS-26B/RK-TC-1B	NUREG/CR-4572, "NRC Leak-Before-Break Analysis Method for Circumferentially Through-Wall Cracked Pipes Under Axial Plus Bending Loads" (March 1986) ("NUREG/CR-4572")	12/22/2011
NYS000332	NYS-25	NUREG/CR-4513, ANL-93/22, Rev. 1, "Estimation of Fracture Toughness of Cast Stainless Steels during Thermal Aging in LWR Systems (May 1994) ("NUREG/CR-4513 Rev. 1")	12/22/2011
NYS000333	NYS-25	NUREG/CR-6897, ANL-04/28, "Assessment of Void Swelling in Austenitic Stainless Steel Core Internals" (January 2006) ("NUREG/CR-6897")	12/22/2011
NYS000334	NYS-25	NUREG/CR-6960, ANL-06/58, "Crack Growth Rates and Fracture Toughness of Irradiated Austenitic Stainless Steel in BWR Environments," Chopra, et al. (March 2008) ("NUREG/CR-6960")	12/22/2011
NYS000335	NYS-25	Nuclear Energy Institute, NEI 03-08 [Addenda], "Materials Initiative Guidance," Excerpted: pp. D5-D6 (June 2009) ("NEI 03-08 Addenda")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000336	NYS-25	Barnes, "A Theory of Swelling and Gas Release for Reactor Materials," <u>J. of Nuclear Materials</u> , Vol-11(2), pp. 135-148 (1964) ("Barnes")	12/22/2011
NYS000337	NYS-25	Hawthorne, et al., "Influence of Radiation on Material Properties," 13th International Symposium (Part-II), ASTM 04-956000-35, pp. 191-206 (June 1986) ("Hawthorne Paper")	12/22/2011
NYS000338	NYS-25	Tong, L.S. and Weisman, J., "Thermal Analysis of Pressurized Water Reactors," ANS Monograph, Excerpted: pp. 147-149 (1970) ("Tong")	12/22/2011
NYS000339	NYS-25	Was, Gary S., "Fundamentals of Radiation Material Science," Excerpted: pp. 379-380, 423, 765-767, 797-803, Springer (2007) ("Was")	12/22/2011
NYS000340	NYS-25	Westinghouse, WCAP-13587, Rev. 1, "Reactor Vessel Upper Shelf Energy Bounding Evaluation for Westinghouse Pressurized Water Reactors," S. Tandon, M.J. Malone, and T.R. Mager (September 1993) ("WCAP-13587 Rev 1")	12/22/2011

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000341	NYS-25	Westinghouse, WCAP-14577, Rev. 1-A, "License Renewal Evaluation: Aging Management for Reactor Internals," D.R. Forsyth et al. (March 2001) ("WCAP-14577 Rev. 1-A")	12/22/2011
NYS000342	NYS-25, NYS-26B/RK-TC-1B	Westinghouse (W) - Letter No. LTR-PAFM-03-42, Yang, "Procedures for Transfer Function Database Creation and Guidelines for the Associated Finite Element Analysis" (March 2006) ("LTR-PAFM-03-42")	12/22/2011
NYSR00343	NYS-26B/RK-TC-1B	State of New York Statement of Position, NYS-26B ("NYS-26B SOP")(revised to show exhibit number marked on document)	12/27/2011
NYSR00344	NYS-26B/RK-TC-1B	Pre-filed Testimony of Richard T. Lahey, Jr. ("Lahey PFT NYS-26B")(revised to show exhibit number marked on document)	12/27/2011
NYS000345	NYS-26B/RK-TC-1B	Cengel & Turner, "Fundamentals of Thermal-Fluid Sciences," Excerpted: pp. 759-760, McGraw-Hill (2001) ("Cengel")	12/22/2011
NYS000346	NYS-26B/RK-TC-1B	Kreith, "Principles of Heat Transfer," Excerpted: p. 353, Int. Text Book Co. (1961) ("Kreith")	12/22/2011

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NYS000347	NYS-26B/RK-TC-1B	Vardeman & Jobe, "Basic Engineering Data Collection and Analysis," Excerpted: pp. 310-311, Duxbury (2001) ("Vardeman")	12/22/2011
NYS000348	NYS-26B/RK-TC-1B	Consolidated Edison Company of New York, Inc., Final Design Report for Reracking the Indian Point Unit No. 2 Spent Fuel Pool, Docket No. 50-247 (May 1980) 8005130412 ("ConEd IP2 Reracking FDR")	12/22/2011
NYS000349	NYS-26B/RK-TC-1B	American Society of Mechanical Engineers (ASME) code, Section-III, Boiler & Pressure Vessel Code (1989) ("ASME Section-III")	12/22/2011
NYS000350	NYS-26B/RK-TC-1B	EPRI, MRP-47, "Guidelines for Addressing Fatigue Environmental Effects in a License Renewal Application," Final Report, Revision 1 (September 2005) ("EPRI MRP-47 Rev. 1")	12/22/2011
NYS000351	NYS-26B/RK-TC-1B	Entergy, NL-08-021 communication to NRC Staff re Indian Point License Renewal Application Amendment 2 (ML080230637) (Jan. 22, 2008) ("NL-08-021")	12/22/2011

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NYS000352	NYS-26B/RK-TC-1B	Entergy's submission to the Atomic Safety and Licensing Board conveying Entergy's NL-10-082 communication to NRC Staff (Aug. 9, 2010) re Indian Point License Renewal Application Commitment 33, fatigue monitoring program (Aug. 10, 2010) ("Entergy NL-10-082 to ACRS")	12/22/2011
NYS000353	NYS-26B/RK-TC-1B	NRC Staff Report, "Final Safety Evaluation by the Office of Nuclear Reactor Regulation Concerning Westinghouse Owners Group Report, WCAP-14575, Revision 1, License Renewal Evaluation: Aging Management for Class 1 Piping and Associated Pressure Boundary Components, Project No. 686" (Nov. 8, 2000) ("WCAP-14575 Rev. 1")	12/22/2011
NYS000354	NYS-26B/RK-TC-1B	NUREG/CR-5704, ANL-98/31, Effects of LWR Coolant Environments on Fatigue Design Curves of Austenitic Stainless Steels (April 1999) ("NUREG/CR-5704")	12/22/2011

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NYS000355	NYS-26B/RK-TC-1B	NUREG/CR-6260, INEL-95/0045, Application of NUREG/CR-5999 Interim Fatigue Curves to Selected Nuclear Power Plant Components (February 1995) ("NUREG/CR-6260")	12/22/2011
NYS000356	NYS-26B/RK-TC-1B	NUREG/CR-6583, ANL-97/18, Effects of LWR Coolant Environments on Fatigue Design Curves of Carbon and Low-Alloy Steels (March 1998) ("NUREG/CR-6583")	12/22/2011
NYS000357	NYS-26B/RK-TC-1B	NUREG/CR-6909, Effect of LWR Coolant Environments on the Fatigue Life of Reactor Materials (February 2007) ("NUREG/CR-6909")	12/22/2011
NYS00358A-NYS00358B	NYS-26B/RK-TC-1B	Westinghouse, WESTEMS computer code manual, version 4.5, Vol. 1, Rev. 0 (March 2007) [as excerpted and produced by Entergy] ("WESTEMS")	12/22/2011
NYS000359	NYS-26B/RK-TC-1B	Westinghouse, WCAP 14173, Rev. 2, Roarty, et al., "Global to Local Transformations and Stress Transfer Functions for Pressurizer Surge Line, Pressurizer Lower Head and Pressurizer Spray Line" (IPECPROP00060808) (August 1995) ("WCAP 14173 Rev. 2")	12/22/2011

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NYS000360	NYS-26B/RK-TC-1B	Cranford, E.L., and Gary, M.A., "Simulation of a PWR Residual Heat Removal System for Component Fatigue Monitoring," Paper # D0514, Trans. SMiRT-19, Toronto (August 2007) ("Cranford Paper")	12/22/2011
NYS000361	NYS-26B/RK-TC-1B	Westinghouse, WCAP-17199-P, Rev. 0, "Environmental Fatigue Evaluation for Indian Point 2" (June 2010) ("WCAP-17199-P Rev. 0")	12/22/2011
NYS000362	NYS-26B/RK-TC-1B	Westinghouse, WCAP-17200-P, Rev. 0, "Environmental Fatigue Evaluation for Indian Point Unit 3" (June 2010) ("WCAP-17200-P Rev. 0")	12/22/2011
NYS000363	NYS-26B/RK-TC-1B	Westinghouse, WCAP-17149-P, Rev. 1, "Evaluation of Pressurizer Insurge/Outsurge Transients for Indian Point Unit 2" (IPECPROP00056663-IPECPROP00056716) and Westinghouse, WCAP-17162-P, Rev. 1, "Evaluation of Pressurizer Insurge/Outsurge Transients for Indian Point Unit 3" (IPECPROP00056717-IPECPROP00056771) (July 2010) ("WCAP-17149-P Rev. 1")	12/22/2011

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Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01**

Evidentiary Hearing

State of New York ("NYS") Hearing Exhibits

NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000364	NYS-26B/RK-TC-1B	Westinghouse (W) - Calculation Note, CN-PAFM-09-21, IPECPROP0057432, "Indian Point Units 2 & 3 Charging Nozzles Environmental Fatigue Evaluation" (Jun. 18, 2010) ("CN-PAFM-09-21")	12/22/2011
NYS000365	NYS-26B/RK-TC-1B	Westinghouse (W) - Calculation Note, CN-PAFM-09-67, IPECPROP00057917, "Pressurizer Surge Nozzle and Lower Head Transfer Functions for Indian Point Units 2 and 3" (Jun. 18, 2010) ("CN-PAFM-09-67")	12/22/2011
NYS000366	NYS-26B/RK-TC-1B	Westinghouse (W) - Calculation Note. CN-PAFM-09-77, IPECPROP00057881/3, "Indian Point Units 2 & 3 Accumulator Nozzle Environmental Fatigue Evaluation" (Jun. 18, 2010) ("CN-PAFM-09-77")	12/22/2011
NYS000367	NYS-26B/RK-TC-1B	Westinghouse (W) - Calculation Note, CN-PAFM-09-79, IPECPROP00057559, "Indian Point Unit 2 Boron Injection Tank Nozzle Environmental Fatigue Evaluations" (Jun. 18, 2010) ("CN-PAFM-09-79")	12/22/2011

Revised: January 30, 2012

Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),
Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01

Evidentiary Hearing

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000368	NYS-26B/RK-TC-1B	Westinghouse (W) - Calculation Note, CN-PAFM-09-117, IPECPROP00057276, "Indian Point Units 2 and 3 Hot Leg Surge Nozzle Environmental Fatigue Evaluations" (Jun. 18, 2010) ("CN-PAFM-09-117")	12/22/2011
NYS00369A-NYS000369B	NYS-26B/RK-TC-1B	Westinghouse (W), WCAP-12191, Rev. 3, "Transient and Fatigue Cycle Monitoring Program Transient History Evaluation Report for Indian Point Unit 2 Addendum 1" (September 2003) ("WCAP-12191 Rev. 3")	12/22/2011

Revised: January 30, 2012

**Entergy Nuclear Operations, Inc. (Indian Point Units 2 and 3),
Docket Nos. 50-247-LR and 50-286-LR, ASLBP No. 07-858-03-LR-BD01**

Evidentiary Hearing

State of New York ("NYS") Hearing Exhibits

NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
NYS000370	NYS-25	Letter, State of NY to U.S. NRC ASLB, Indian Point Nuclear Generating Station Units 2 and 3, Docket Nos. 50-247-LR/50-286-LR, ASLBP No. 07-858-03-LR-BD01, attaching "Reasons for Non-concurrence on Draft Safety Evaluation for the Electric Power Research Institute's Topical Report (TR) MAterials Reliability Program (MRP) report 1016596 (MRP-227), Revision 0, 'Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines,'" R.I. Tregoning RES/DE (ML110770169) and "Comments for the Document Sponsor to Consider Pertaining to Non-Concurrence on Draft Safety Evaluation for the Electric Power Research Institute's Topical Report (TR) Materials Reliability Program (MRP) Report 1016596 (MRP-227), Revision 0, 'Pressurized Water Reactor (PWR) Internals Inspection and Evaluation Guidelines,'" M.J. Case RES/DE (ML110810787) (Apr. 29, 2011) ("Apr. 29, 2011 NYS Letter")	12/22/2011