

Revised: December 14, 2011

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
NYSR00001	ALL	State of New York Hearing Exhibits List ("NYS Exhibits List")	12/14/2011
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
NYS000013	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")	12/12/2011

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NYS000014	NYS-8	UFSAR, Rev. 20, Indian Point Unit 2, Excerpted: Chapter 8 - Electrical Systems (OAGI0000215_1039-OAGI0000215_1067) and Electrical Distribution and Transmission System, DWG NO. A250907-21, figure 8.2-1 and 8.2-2 (OAGI0000215_1069)(submitted with license renewal application)(2007) ("IP2 UFSAR, Rev. 20")	12/12/2011
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

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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
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

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NYS Exhibit #	Contentions Addressed by Exhibit	Exhibit Name	Exhibit Submission / Revision Date
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
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

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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
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

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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
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

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NYS000034	NYS-8	Electric Power Research Institute, Life Cycle Management Planning Sourcebooks, Volume 4: Large Power Transformers, Final Report, 1007422 (March 2003) Excerpted: 4-1 to 4-6, 4-17 and 6-2 to 6-13 ("Transformers Final Report")	12/12/2011
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

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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
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

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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
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

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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
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