


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	Entergy Nuclear Operations, Inc. (Indian Point Nuclear Generating Units 2 and 3)
	ASLBP #: 07-858-03-LR-BD01
	Docket #: 05000247   05000286
	Exhibit #: NRC000134-00-BD01
	Admitted: 10/15/2012
	Rejected:
Other:	Identified: 10/15/2012
	Withdrawn:
	Stricken:

NRC000134  
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Renewal Environmental Review Branch  
Division of License Renewal  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission

**Education:**

Juris Doctor, Georgetown University Law Center (in progress)

Master of Environmental Management  
Duke University, December 2005  
Environmental Economics and Policy

Honors Bachelor of Science  
Marquette University, May 2002  
Biochemistry and Molecular Biology, Political Science

**Managed NRC EISs:**

NUREG-1437, Supplement 38, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 38, Regarding Indian Point Nuclear Generating Unit Nos. 2 and 3," Final published December 2010, Draft published December 2008.

NUREG-1437, Supplement 35, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 35, Regarding Susquehanna Steam Electric Station, Units 1 and 2," Final published March 2009, draft published April 2008.

**Published NRC Alternatives Analyses:**

NUREG-0498, Supplement 2, "Draft Final Environmental Statement Related to the Operation of Watts Bar Nuclear Plant, Unit 2," Draft Published October 2011.

NUREG-1437, Supplement 40, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 40, Regarding Kewaunee Nuclear Power Station," Final published August 2010, Draft published January 2010.

NUREG-1437, Supplement 39, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 39, Regarding Prairie Island Nuclear Generating Plant, Units 1 and 2," Final published May 2011, Draft published November 2009.

NUREG-1437, Supplement 38, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 38, Regarding Indian Point Nuclear Generating Unit Nos. 2 and 3," Final published December 2010, Draft published December 2008.

NUREG-1437, Supplement 37, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 37, Regarding Three Mile Island Nuclear Station, Unit 1," Final published June 2009, draft published December 2008.

NUREG-1437, Supplement 36, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 36, Regarding Beaver Valley Power Station, Units 1 and 2," Final published May 2009, draft published September 2008.

NUREG-1437, Supplement 35, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 35, Regarding Susquehanna Steam Electric Station, Units 1 and 2," Final published March 2009, draft published April 2008.

NUREG-1437, Supplement 33, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 33, Regarding Shearon Harris Nuclear Power Plant, Unit 1," Final published August 2008, draft published December 2007.

NUREG-1437, Supplement 32, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 32, Regarding Wolf Creek Generating Station," Final published May 2008, draft published September 2007.

**In-Progress NRC Alternatives Analyses (Unpublished; No supplement numbers yet assigned):**

Diablo Canyon Nuclear Power Plant, Units 1 and 2

Davis-Besse Nuclear Power Station Unit 1

Limerick Generating Station, Units 1 and 2

Callaway Plant, Unit 1

**Oversight of NRC Staff's Alternatives Analyses**

NUREG-1437, Supplement 48, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 48, Regarding South Texas Project, Units 1 and 2," Draft Forthcoming (estimated March 2012).

NUREG-1437, Supplement 44, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 44, Regarding Crystal River Unit 3 Nuclear Generating Plant," Draft Published May 2011.

NUREG-1437, Supplement 42, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 42, Regarding Duane Arnold Energy Center," Final published October 2010, Draft published February 2010.

NUREG-1437, Supplement 41, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 41, Regarding Cooper Nuclear Station," Final published July 2010, Draft published February 2010.

### **Review of NRC Alternatives Analyses**

NUREG-1437, Supplement 30, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 30, Regarding Vermont Yankee Nuclear Power Station," Final published August 2007.

NUREG-1437, Supplement 28, "Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 28, Regarding Oyster Creek Nuclear Generating Station," Final published January 2007.

### **Published Need for Power Analysis:**

NUREG-0498, Supplement 2, "Draft Final Environmental Statement Related to the Operation of Watts Bar Nuclear Plant, Unit 2," Draft Published October 2011.

### **Utility Regulatory Experience**

North Carolina Utilities Commission, Case E-100, Sub 110 (as an employee of complainant North Carolina Sustainable Energy Association): Alleged unjust and unreasonable practice by Duke Power Carolinas as to its demand-side-management and energy efficiency practices. 2006.

North Carolina Utilities Commission, Case E-100, Sub 103 (as an employee of intervenor North Carolina Sustainable Energy Association): Intervened in annual integrated resource planning process alleging inadequate consideration of renewable energy, energy efficiency, and demand-side management by North Carolina's investor-owned utilities; coordinated expert witnesses' testimony and managed organizational involvement in evidentiary hearing. 2006.

### **Publications**

Eccleston, Charles, and Andrew Stuyvenberg, "The Perfect Electrical Storm," *Environmental Quality Management*; Vol. 20, Iss. 3 (Spring 2011), pp. 43-49.

National Commission on Energy Policy, 2004. *Ending the Energy Stalemate: A Bipartisan Strategy to Meet America's Energy Challenges*, Washington, DC: National Commission on Energy Policy. (Commission Staff)

National Commission on Energy Policy (NCEP) Staff Background Paper – “Unconventional Oil,” published in *NCEP Technical Appendix, Chapter 1: Enhancing Oil Security*, December 2004.

National Commission on Energy Policy (NCEP) Staff Background Paper – “Adaptation as a Response to Climate Change,” published in *NCEP Technical Appendix, Chapter 2: Reducing Risks from Climate Change*, December 2004.

National Commission on Energy Policy (NCEP) Staff Background Paper – “Methane Hydrates In Context – U.S. Natural Gas Overview,” published in *NCEP Technical Appendix, Chapter 4: Expanding Energy Supplies*, December 2004

“Practicing What they Preach – Construction & Demolition Recycling In America’s Dairyland,” *Resource Recycling*, February 2003.

## **Employment History**

*Project Manager & Scientist, U.S. Nuclear Regulatory Commission, Oct. 2006-Present*

Managed license renewal environmental reviews; extensive experience communicating with external stakeholders—including congressional staff, state and local officials, stakeholder groups, individual members of the public, and industry licensees—in written and oral form; contributed substantially to updated environmental review processes; developed and implemented new approaches to analyzing energy alternatives in NRC EISs; developed and implemented approaches to addressing climate change and terrorism in agency EISs; supported NRC activities in response to Fukushima Dai-Ichi events; NRC “L” security clearance.

*Energy Policy Analyst, North Carolina Sustainable Energy Association, Jan.-Sept. 2006*

Managed proceedings before the North Carolina Utilities Commission, including evidentiary hearing preparations, coordinating and developing expert witnesses’ testimony, training counsel, and performing technical research; generated internal research products to address emerging issues including energy efficiency, energy fuel supplies, and nuclear power.

*Summer Associate, Quest Capital Corporation, May-Aug. 2005*

Managed research and led planning for a potential natural resource investment; participated in firm’s investment planning, business management, and deal structuring across several sectors.

*Research Fellow, National Commission on Energy Policy, June-Dec. 2004*

Researched and drafted policy recommendations; analyzed unconventional oil and gas (including tar sands and methane hydrates), renewable electricity generation resources, climate change adaptation, and federal-lands resource management.

*Outreach Specialist, WasteCap Wisconsin, Sept. 2002 -July 2003*

Developed and managed outreach programs including best-practices exchanges for businesses; presented at 2003 National Association of Home Builders National Green Building Conference; compiled and edited in-house newsletters; upgraded and managed organizational website databases.