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C O U N S E L O R S A T L A W

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January 3, 2012

**Via Electronic Information Exchange**

Terry J. Lodge, Esq.  
316 N. Michigan St., Suite 520  
Toledo, OH 43604

Brian G. Harris, Esq.  
Office of the General Counsel  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

RE: First Update to Mandatory Disclosures Pursuant to 10 C.F.R. § 2.336; FirstEnergy Nuclear Operating Co., License Renewal for Davis-Besse Nuclear Power Station, Docket No. 50-346

Dear Counsel:

Pursuant to 10 C.F.R. § 2.336, the Board's Initial Scheduling Order dated June 15, 2011, and the Board's Order modifying the Initial Scheduling Order dated November 2, 2011, FirstEnergy Nuclear Operating Company (FENOC) is providing the enclosed disclosures for Intervenors' Contentions 1 and 4 as restated and admitted by the Board on April 26, 2011 (LBP-11-13).

FENOC's disclosures consist of the following:

- Enclosure 1 is reserved for the names, addresses, and telephone numbers of the persons upon whose opinion FENOC will base its positions on the contentions and upon whom FENOC may rely as witnesses, and a copy of the analyses and authorities upon which they base their opinions. FENOC has not yet identified witnesses for any hearing on the contentions, and will update Enclosure 1 when it has identified its witnesses.
- Enclosure 2 provides a description, by category and location, of the documents, data compilations, and tangible things in the possession, custody, or control of FENOC that may be relevant to the admitted contentions. Per the Scheduling Order and our agreement, these

Terry J. Lodge, Esq.  
Brian G. Harris, Esq.  
January 3, 2012  
Page Two

disclosures do not include privileged documents, or publicly-available documents unless FirstEnergy expects to rely on them at hearing. If you determine that you would like a copy of any of these documents, please inform me of which documents you would like, and I will provide a copy to you.

- Enclosure 3 provides an index of documents, data compilations, or tangible things that may be relevant to the contentions but that contain proprietary information, Sensitive Unclassified Non-Safeguards Information (SUNSI), or otherwise protected information. Upon request, FENOC will provide a copy under the terms of a Protective Order issued by the Board.
- Enclosure 4 provides an index identifying changes to the indexes in Enclosures 2 and 3 of FENOC's Initial Disclosures, and the reasons for those changes.

In order to compile Enclosures 2 and 3, a search was conducted of documents in FENOC's possession, custody, or control. The attached affidavit attests that all relevant materials identified by this search that are required to be disclosed under the Scheduling Order have been disclosed.

When FENOC identifies additional relevant documents or the witnesses for any hearing on the contentions, FENOC will update these disclosures as required by the Board's Scheduling Order.

FENOC has been conservative in identifying documents for inclusion in Enclosures 2 and 3. By identifying documents in those Enclosures, FENOC does not necessarily concede that the documents are in fact relevant or material to the admitted contentions.

Sincerely,

Signed electronically by Alex S. Polonsky  
Alex S. Polonsky

*Counsel for FirstEnergy Nuclear Operating Co.*

Enclosures

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION**

**BEFORE THE ATOMIC SAFETY AND LICENSING BOARD**

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In the Matter of )  
FIRSTENERGY NUCLEAR OPERATING COMPANY ) Docket No. 50-346-LR  
(Davis-Besse Nuclear Power Station, Unit 1) )  
\_\_\_\_\_  
)

**AFFIDAVIT OF DAVID W. JENKINS**

1. My name is David W. Jenkins. I am Senior Corporate Counsel at FirstEnergy Service Company. Working with the FirstEnergy Nuclear Operating Company (FENOC) Project Manager of License Renewal, I have helped manage the collection of documents, data compilations, and tangible things to comply with the mandatory disclosure requirements in 10 C.F.R. § 2.336, the Atomic Safety and Licensing Board's Initial Scheduling Order dated June 15, 2011 ("Scheduling Order"), and the Licensing Board's Order Granting Motion for Modification of Initial Scheduling Order dated November 2, 2011 in this proceeding.
2. FENOC conducted a search of documents, data compilations, and tangible things in its possession, custody, and control for information relevant to the admitted contentions, and in the possession, custody, and control of its affiliated companies, as specified in 10 C.F.R. § 2.336(a). As provided in 10 C.F.R. § 2.336(c), this search encompassed information and documents reasonably available to FENOC and its affiliated companies, including:
  - a. Both electronic and paper documents;

- b. Corporate records, Davis-Besse license renewal project files, and documents in the possession and control of individuals who have worked on the Davis-Besse license renewal project or on matters potentially relevant to the admitted contentions; and
  - c. Documents, data compilations, and tangible things in the possession and control of AREVA, Inc. (“AREVA”), which assisted FENOC in preparing portions of the Davis-Besse Environmental Report.
3. Consistent with the Board’s Scheduling Order, Enclosure 2 to this Affidavit provides an index of relevant, non-privileged, non-protected documents, data compilations, and tangible things that were located as a result of this search.
4. Consistent with the Board’s Scheduling Order, Enclosure 3 to this Affidavit provides the index of relevant documents, data compilations, and tangible things containing information that FENOC believes are proprietary to FENOC or its affiliated companies or third parties, or falls within the category of Sensitive Unclassified, Non-Safeguards Information (“SUNSI”).
5. FENOC has been conservative in identifying documents for inclusion in the Enclosures. Accordingly, FENOC is not suggesting that just because a document is listed on the Enclosure that it is indeed relevant to one of the admitted contentions.
6. These disclosures are reasonably accurate and complete as of November 30, 2011.

The statements made above are true to the best of my knowledge, information, and belief.

I declare under penalty of perjury that the foregoing is true and correct.



David Jenkins  
FirstEnergy Service Company  
76 South Main Street  
Akron, OH 44308

Executed this 29 day of December 2011.

**Enclosure 1  
(Reserved)**

## **Enclosure 2**

**First Energy-Davis-Besse License Renewal Proceeding**  
**Mandatory Disclosure Log**  
**First Update, January 3, 2012**

Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-00000583	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Cindy Mapping SAMA L2Results.xls	5/28/2010	Contention 4
FEDB-00000584	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Data Set for Parsons Brinkerhoff.doc	11/9/2011	Contention 1
FEDB-00000585	eMail;eMail with attachment	Morgan, Lewis & Bockius	Slides	11/11/2011	Contention 1
FEDB-00000586	Attachment	Morgan, Lewis & Bockius	GRL-IEEE Energy Tech 2011- Case Western.3.ppt	11/11/2011	Contention 1
FEDB-00000587	eMail;eMail with attachment	Morgan, Lewis & Bockius	University of Pittsburgh - presentation	11/11/2011	Contention 1
FEDB-00000588	Attachment	Morgan, Lewis & Bockius	University of Pittsburgh Power and Energy Industry Conference Nov 2011 FirstEnergy waligorski draft 2 20111111.ppt	11/11/2011	Contention 1
FEDB-00000589	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: Norton Energy Project - Status Report	11/10/2011	Contention 1
FEDB-00000590	Attachment	Morgan, Lewis & Bockius	Norton OPSSB Report 03 (11-09).doc	11/10/2011	Contention 1
FEDB-00000591	eMail;eMail with attachment	Morgan, Lewis & Bockius	Wind Power Packet	2/21/2008	Contention 1
FEDB-00000592	Attachment	Morgan, Lewis & Bockius	OH_spd70m[1].mdi	2/21/2008	Contention 1;Contention 4
FEDB-00000593	Attachment	Morgan, Lewis & Bockius	OH_spd100m[1].mdi	2/21/2008	Contention 1
FEDB-00000594	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: Weekly Utility Matters Report	10/25/2011	Contention 1
FEDB-00000595	Attachment	Morgan, Lewis & Bockius	Electric Utilities Testimony.pdf	10/25/2011	Contention 1
FEDB-00000596	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Electric Utilities Testimony_House Public Utilities Committee 102011.pdf	10/25/2011	Contention 1

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**First Energy-Davis License Renewal Proceeding**  
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Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-000000597	eMail;eMail with attachment	Morgan, Lewis & Bockius	Weekly Utility Matters Report	10/21/2011	Contention 1
FEDB-000000598	Attachment	Morgan, Lewis & Bockius	Electric Utilities Testimony.pdf	10/21/2011	Contention 1
FEDB-000000599	eMail;eMail without attachment	Morgan, Lewis & Bockius	Re: Some questions for Wednesday	9/27/2011	Contention 1
FEDB-000000600	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: 20111006-OPS1-Storage Boston	9/23/2011	Contention 1
FEDB-000000601	Attachment	Morgan, Lewis & Bockius	PJMDOCS#f660792-v3-2011006-OPS1-Storage_Boston.PPT	9/23/2011	Contention 1
FEDB-000000602	eMail;eMail without attachment	Morgan, Lewis & Bockius	Re: Norton CAES project	10/10/2011	Contention 1
FEDB-000000603	eMail;eMail with attachment	Morgan, Lewis & Bockius	Norton update - PowerPoint slides	8/25/2011	Contention 1
FEDB-000000604	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: First Energy-ESP-MDI Meeting	8/29/2011	Contention 1
FEDB-000000605	Attachment	Morgan, Lewis & Bockius	Presentation Dr Nakhamkin - Pan-EuroEnergyStorage-Advanced Second Generation of CAES Technology.pdf	8/29/2011	Contention 1
FEDB-000000606	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: Fw: Our Aug. 24 Meeting on CAES - REPLY	8/23/2011	Contention 1
FEDB-000000607	Attachment	Morgan, Lewis & Bockius	Norton Energy Storage PJM 082011.ppt	8/23/2011	Contention 1
FEDB-000000608	eMail;eMail without attachment	Morgan, Lewis & Bockius	Fw: Employee Update v15.n21 - Did You Know Comment	9/1/2011	Contention 1
FEDB-000000609	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: PowerPoint Slide	10/7/2011	Contention 1
FEDB-000000610	Attachment	Morgan, Lewis & Bockius	Pitt.ppt	10/7/2011	Contention 1

**First Energy-Davis License Renewal Proceeding**  
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Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-00000611	Calendar entry;Calendar entry with attachment	Morgan, Lewis & Bockius	Conference Call to Discuss Status of Davis-Besse SAMA Data Needs	6/29/2009	Contention 4
FEDB-00000612	Attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 6-26-09.doc	6/29/2009	Contention 4
FEDB-00000613	Attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 6-11-09.doc	6/15/2009	Contention 4
FEDB-00000614	Note;Note with attachment	Morgan, Lewis & Bockius	Invitation: Emergency Preparedness Audit Exit Phone Conference (874-1900 9230#) (Jan 22 12:00 PM EST)	1/19/2009	Contention 4
FEDB-00000615	Attachment	Morgan, Lewis & Bockius	Exit Handout.doc	1/19/2009	Contention 4
FEDB-00000616	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton Energy Storage FERC Staff 072011.ppt	8/19/2011	Contention 1
FEDB-00000617	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	GRL_2011.09.15_Advanced Energy B2B Conf-Expo_V5.ppt	9/14/2011	Contention 1
FEDB-00000618	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: Norton Presentation	5/23/2011	Contention 1
FEDB-00000619	Attachment	Morgan, Lewis & Bockius	Signore_Norton Energy Storage Project_05-18-11_V4.ppt	5/23/2011	Contention 1
FEDB-00000620	Attachment	Morgan, Lewis & Bockius	Norton Preliminary Early Development Schedule Rev 3-18-11.xls	3/18/2011	Contention 1
FEDB-00000621	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: PJM meeting tomorrow	6/29/2011	Contention 1
FEDB-00000622	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: Emailing: Sandia Energy Storage Benefits Report.pdf	6/1/2011	Contention 1
FEDB-00000623	Attachment	Morgan, Lewis & Bockius	Sandia Energy Storage Benefits Report.pdf	6/1/2011	Contention 1
FEDB-00000624	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Operational Spec_082211_gwm.doc	8/26/2011	Contention 1
FEDB-00000625	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	ier_11-4_03a.d68	8/26/2011	Contention 4
FEDB-00000626	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	GRL_2011.09.15_Advanced Energy B2B Conf-Expo_V3.ppt	9/8/2011	Contention 1
FEDB-00000627	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	GRL_2011.09.15_Advanced Energy B2B Conf-Expo_V1.ppt	9/2/2011	Contention 1
FEDB-00000628	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Signore_Norton Energy Storage Project_08-28-2011_N OH Energy Mngmt Conf.ppt	8/30/2011	Contention 1

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**First Energy-Davis-Besse License Renewal Proceeding**  
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**First Update, January 3, 2012**

Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-00000629	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	TR08_Mon_1530-1700_Schainker.Robert_Utility Scale_Energy_Storage_w_Special Focus_on_Compressed_Air_Energy_Storage_CAES.pdf	8/15/2011	Contention 1
FEDB-00000630	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	GLWEC%202009.pdf	9/15/2011	Contention 1
FEDB-00000631	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	DB_PARAMETER_CHANGE_1-2010_HPM.E.INC	8/11/2011	Contention 4
FEDB-00000632	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	IER_114_03.inp	8/23/2011	Contention 4
FEDB-00000633	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	MUX_20Z.INP	9/26/2011	Contention 4
FEDB-00000634	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	PRA-DB1-11-017-R00.doc	9/26/2011	Contention 4
FEDB-00000635	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	TBU_25z.INP	9/23/2011	Contention 4
FEDB-00000636	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	RBIIX_11z.inp	9/22/2011	Contention 4
FEDB-00000637	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	SU_30az.INP	9/22/2011	Contention 4
FEDB-00000638	eMail;eMail with attachment	Morgan, Lewis & Bockius	Univ of Pittsburgh presentation	11/18/2011	Contention 1
FEDB-00000639	Attachment	Morgan, Lewis & Bockius	Waligorski_Univ of Pitt Power and Energy Industry Conf_final 11-11 - V1.ppt	11/18/2011	Contention 1
FEDB-00000640	eMail;eMail without attachment	Morgan, Lewis & Bockius	congrats and question	11/7/2011	Contention 4
	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON AS TRANS ASSET		
FEDB-00000641	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON GENERATION PUMPING	8/1/2011	Contention 1
FEDB-00000642	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON COMPRESSED AIR ENERGY STORAGE PROJECT	8/24/2011	Contention 1
FEDB-00000643	Scanned Document;Standard file;Standard file without attachment				

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**First Energy-Davis-Besse License Renewal Proceeding**  
**Mandatory Disclosure Log**  
**First Update, January 3, 2012**

Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-00000644	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: Weekly Utility Matters Report	10/25/2011	Contention 1
FEDB-00000645	Attachment	Morgan, Lewis & Bockius	Electric Utilities Testimony.pdf	10/25/2011	Contention 1
FEDB-00000646	eMail;eMail without attachment	Morgan, Lewis & Bockius	Fw: Norton CAES market impact simulations	10/13/2011	Contention 1
FEDB-00000647	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: Fw: Our Aug. 24 Meeting on CAES - REPLY	8/23/2011	Contention 1
FEDB-00000648	Attachment	Morgan, Lewis & Bockius	Norton Energy Storage PJM 082011.ppt	8/23/2011	Contention 1
FEDB-00000649	eMail;eMail with attachment	Morgan, Lewis & Bockius	Norton update - PowerPoint slides	8/25/2011	Contention 1
FEDB-00000650	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: Transmission Recovery Proposal for Norton	8/16/2011	Contention 1
FEDB-00000651	Attachment	Morgan, Lewis & Bockius	Norton Energy Storage FERC Presentation 062011_notes_Final.ppt	8/16/2011	Contention 1
FEDB-00000652	eMail;eMail with attachment	Morgan, Lewis & Bockius	GRL presentation	9/9/2011	Contention 1
FEDB-00000653	Attachment	Morgan, Lewis & Bockius	GRL_2011.09.15_Advanced Energy B2B ConfExpo_V5.ppt	9/9/2011	Contention 1
FEDB-00000654	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fw: Pat-- good news!	9/2/2011	Contention 1
FEDB-00000655	Attachment	Morgan, Lewis & Bockius	2011 FE Annual Utility Questionnaire Submission.pdf	9/2/2011	Contention 1
FEDB-00000656	Calendar entry;Calendar entry without attachment	Morgan, Lewis & Bockius	Follow up to our calls	10/12/2011	Contention 1

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**First Energy-Davis License Renewal Proceeding**  
**Mandatory Disclosure Log**  
**First Update, January 3, 2012**

Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-000000657	eMail;eMail without attachment	Morgan, Lewis & Bockius	FirstEnergy Norton CAES mine development follow-up	9/9/2011	Contention 1
FEDB-000000658	eMail;eMail with attachment	Morgan, Lewis & Bockius	Re: Please help	9/16/2011	Contention 1
FEDB-000000659	Attachment	Morgan, Lewis & Bockius	2011.07.11_GRL-APC Keynote_V4_.ppt	9/16/2011	Contention 1
FEDB-000000660	eMail;eMail with attachment	Morgan, Lewis & Bockius	This should get you started	9/12/2011	Contention 1
FEDB-000000661	Attachment	Morgan, Lewis & Bockius	Renewables in Ohio.doc	9/12/2011	Contention 1
FEDB-000000662	eMail;eMail with attachment	Morgan, Lewis & Bockius	Wind	8/30/2011	Contention 1
FEDB-000000663	Attachment	Morgan, Lewis & Bockius	Wind Duration Curves in PJM 20110830.xls	8/30/2011	Contention 1
FEDB-000000664	Calendar entry;Calendar entry with attachment	Morgan, Lewis & Bockius	Discuss SAMA Data Needs for Davis-Besse License Renewal	7/8/2009	Contention 4
FEDB-000000665	Attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 7-2-09.doc	7/8/2009	Contention 4
FEDB-000000666	Attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 6-11-09.doc	6/15/2009	Contention 4
FEDB-000000667	Attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 6-4-09.doc	6/8/2009	Contention 4
FEDB-000000668	Calendar entry;Calendar entry with attachment	Morgan, Lewis & Bockius	Weekly SAMA Conference Call	6/23/2009	Contention 4
FEDB-000000669	Attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 6-19-09.doc	6/23/2009	Contention 4
			Rescheduled: Updated: SAMA Conference Call Update with Davis-Besse (Jun 19 09:00 EDT)		
FEDB-000000670	Note;Note with attachment	Morgan, Lewis & Bockius	SAMA Meeting Minutes 6-11-09.doc	6/15/2009	Contention 4
FEDB-000000671	Attachment	Morgan, Lewis & Bockius	Norton Energy Storage PJM 082011.ppt	6/15/2009	Contention 4
FEDB-000000672	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev TPE.PPT	8/19/2011	Contention 1
FEDB-000000673	Standard file;Standard file with attachment	Morgan, Lewis & Bockius		8/10/2011	Contention 1

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**First Energy-Davis-Besse License Renewal Proceeding**  
**Mandatory Disclosure Log**  
**First Update, January 3, 2012**

Log No.	Category	Location*	Document Title	Date	Contentions
FEDB-00000674	Embedding	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev TPE.PPT_embedding7	8/10/2011	Contention 1
FEDB-00000675	Embedding	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev TPE.PPT_embedding5	8/10/2011	Contention 1
FEDB-00000676	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton OPSB Report 03 (11-09) R1.doc	9/22/2011	Contention 1
FEDB-00000677	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Leidich PCUG Keynote Speech 7-11-11.pdf	8/8/2011	Contention 1
FEDB-00000678	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	IER_11-4_03a.inp	8/26/2011	Contention 4
FEDB-00000679	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	GRL_2011.09.15_Advanced Energy B2B Conf-Expo_V4.ppt	9/8/2011	Contention 1
FEDB-00000680	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	IER_11-4_02.inp	8/23/2011	Contention 4
FEDB-00000681	Embedding	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev TPE.ppt_embedding2	6/23/2011	Contention 1
FEDB-00000682	Attachment	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev TPE.ppt_embedding2	7/8/2011	Contention 1
FEDB-00000683	Embedding	Morgan, Lewis & Bockius	Norton Project Technology Comparison.ppt_embedding6	6/10/2011	Contention 1
FEDB-00000684	Attachment	Morgan, Lewis & Bockius	Norton Project Technology Comparison.ppt_embedding6	6/15/2011	Contention 1

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## **Enclosure 3**

First Energy-Davis-Besse License Renewal Proceeding  
Proprietary Log  
First Update, January 3, 2012

Log No.	Category	Location*	Document Title	Date	Confidentiality	Contentions
FEDBPROP-00003377	eMail;eMail with attachment	Morgan, Lewis & Bockius	Promotion	12/5/2011	SUNSI - Personal Privacy - 10 C.F.R. § 2.390(a)(3)	Contention 1
FEDBPROP-00003378	Attachment	Morgan, Lewis & Bockius	Promotion Evans.doc	12/5/2011	SUNSI - Personal Privacy - 10 C.F.R. § 2.390(a)(3)	Contention 1
FEDBPROP-00003379	eMail;eMail with attachment	Morgan, Lewis & Bockius	Fed Govt Affairs Briefing w/ FE Technologies - Final Slide Deck	12/22/2011	FirstEnergy Proprietary	Contention 1
FEDBPROP-00003380	Attachment	Morgan, Lewis & Bockius	FET Govt Affairs Briefing (12-02-2011 Final).pdf	12/22/2011	FirstEnergy Proprietary	Contention 1
FEDBPROP-00003381	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	MAAP4_applications_guide_2008.pdf	11/30/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 4
FEDBPROP-00003382	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton 2011 CAES2 7FA 5-24-11.xls	5/25/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003383	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	2 Unit CAES2 Split Costs ATSL-GenCo.xls	6/9/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003384	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Annual PowerGen 20090813.xls	9/8/2009	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003385	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton 2011 CAES1 D-R 5-24-11.xls	5/25/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003386	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Energy storage Monetization, 1024483.pdf	11/14/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003387	eMail;eMail without attachment	Morgan, Lewis & Bockius	Norton Data for PowerGEM	11/28/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003388	eMail;eMail with attachment	Morgan, Lewis & Bockius	FYI - Woodmac Forecast	11/11/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003389	Attachment	Morgan, Lewis & Bockius	NAPS_LTV_Base_Case_Report_10_31_2011.pdf	11/11/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003390	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON PUMP [ILLEGIBLE] STUDY		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003391	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON SCHEDULE OVERVIEW PROJECT COMPLETION IN 2018	8/14/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003392	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON CASH FLOW TOTAL PROJECT PROJECT COMPLETION IN 2018		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003393	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	STUDY REPORT NORTON CAES COMPRESSION LOAD BENEFITS	8/22/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003394	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON CASH FLOW TOTAL PROJECT PROJECT COMPLETION IN 2022		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003395	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	[CAPITAL EXPENDITURES]		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003396	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON CAES MARKET SIMULATIONS UPDATED RESULTS	10/25/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003397	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Wind Model 9-9-11.xls	10/5/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1;Contention 4







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Log No.	Category	Location*	Document Title	Date	Confidentiality	Contentions
FEDBPROP-00003483	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON CAES PROJECT MARKET ANALYSIS	1/15/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003484	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON CAES PROJECT MARKET ANALYSIS	2/7/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003485	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE PROJECT DESCRIPTION	4/28/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003486	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	PROJECT EVALUATION	5/11/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003487	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON CAES PROJECT MARKET ANALYSIS	2/15/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003488	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE RW BECK VALUATION SUMMARY	6/11/2008	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003489	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE PROJECT EVALUATION.	5/11/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003490	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE ANALYSIS.	7/16/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003491	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE PROJECT DESCRIPTION	4/28/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003492	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE FOLLOW UP ISSUES.	3/4/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003493	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE FES MANAGEMENT BRIEFING.	4/16/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003494	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE RW BECK VALUATION SUMMARY.	5/20/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4) Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003495	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE STEERING COMMITTEE PRESENTATION.	6/9/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003496	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE	6/9/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003497	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE RAW BECK VALUATION SUMMARY MAY 21 2008	5/20/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003498	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE PROJECT DESCRIPTION	4/28/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-00003499	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	EXECUTING COUNCIL MEETING NOVEMBER 10 2006	11/9/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1

\*Morgan Lewis is located at 1111 Pennsylvania Avenue, NW Washington, DC 20004





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Log No.	Category	Location*	Document Title	Date	Confidentiality	Contentions
FEDBPROP-000003553	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Hymick - Exec Council Mtg 11-10-06 v1109-3pm.ppt	11/9/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003554	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton Dec 1 Meeting.ppt	12/1/2005	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003555	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	Norton_Energy_Storage 7-7-08_v2.ppt	7/7/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003556	Attachment	Morgan, Lewis & Bockius	Exec Council presentation 3-30-07.ppt	4/6/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003557	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton - Project Overview Summary 9-27-07.ppt	9/25/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003558	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Norton.ppt	7/18/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003559	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Costs Breakup.xlsx	3/1/2011	FE Proprietary - 10 C.F.R. § 2.390(a)(4)   Party Proprietary - 10 C.F.R. § 2.390(a)(4)   Third-party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003560	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	Norton_Energy_Storage 6-9-08_v3.ppt	6/9/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003561	Attachment	Morgan, Lewis & Bockius	Norton_Energy_Storage 7-7-08_v2.ppt	12/29/2009	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003562	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	Norton Dec 1 Meeting MISO.ppt	7/25/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003563	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE STATUS REPORT	1/15/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003564	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE STATUS REPORT	1/15/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003565	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE NEARLY 2200 FEET BELOW THE SURFACE AND COVERS AN AREA OF APPROXIMATELY 540 ACRES WITH A TOTAL STORAGE VOLUME OF 338 MILLION CUBIC FEET AND A CAPACITY OF STORING 33 BCF OF COMPRESSED AIR	5/19/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003566	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE	7/7/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003567	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	PROJECT EVALUATION	5/11/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003568	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON OVERSIGHT GROUP FINANCIAL PROJECTIONS		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003569	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON CAES PROJECT MARKET ANALYSIS	2/15/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003570	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	PROJECT EVALUATION	5/11/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003571	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	TOLLING AGREEMENT REVIEW TEAM MEETING	12/4/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003572	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON OVERSIGHT GROUP FINANCIAL PROJECTIONS		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1

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FEDBPROP-000003573	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	STATUS REPORT	1/15/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003574	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE EXECUTIVE COUNCIL MEETING JANUARY 31 2006	1/30/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003575	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE	1/30/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4); Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003576	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE PROJECT EVALUATION.	5/11/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003577	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE BOARD MEETING.	5/19/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003578	Attachment;Scanned Document	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE CONSTRUCTION COST PRESENTATION.		FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003579	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	THE EVOLUTION OF NORTON ENERGY STORAGE.	7/7/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003580	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE STEERING COMMITTEE PRESENTATION.	7/7/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003581	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON PROJECT DESIGN APPROACH.	7/7/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003582	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE ADDITIONAL VALUE ADDERS.	10/6/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003583	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	ENERGY STORAGE.	10/6/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003584	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE BOARD OF DIRECTORS MEETING.	5/19/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003585	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON CAES PROJECT MARKET ANALYSIS	1/15/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003586	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	STEERING COMMITTEE MEETING	1/23/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003587	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE STEERING COMMITTEE PRESENTATION JULY 8 2008	7/7/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1

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Log No.	Category	Location*	Document Title	Date	Confidentiality	Contentions	
FEDBPROP-000003588	Scanned Document;Standard file;Standard file without attachment	Morgan, Lewis & Bockius	NORTON ENERGY STORAGE STATUS REPORT JANUARY 16 2006	1/15/2006	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	
FEDBPROP-000003589	Attachment;Scanned Document	Morgan, Lewis & Bockius	ENERGY STORAGE SUMMARY OF NORTON ENERGY STORAGE LLC COMMENTS FILED SEP 9 2008	10/6/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	
FEDBPROP-000003590	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	May 2011 LTPF Summary.doc	6/17/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	
FEDBPROP-000003591	Standard file;Standard file with attachment	Morgan, Lewis & Bockius	2007-03 Norton financial projections.ppt	3/16/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	
FEDBPROP-000003592	Attachment	Morgan, Lewis & Bockius	(AY2007-11-10_BOD_Treaty_G799379C6401AA61839D8525).ppt	12/10/2007	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	
FEDBPROP-000003593	Attachment	Morgan, Lewis & Bockius	3AD00FB2FB8.0001.20071210173154.ppt	(A)Norton_Energy_Storage_v3_10470863EF036DB38525/744f004E5174.0001.20080516103259.ppt	5/16/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1
FEDBPROP-000003594	Attachment	Morgan, Lewis & Bockius	(A)Norton_Energy_Storage_6-10-08_v4_3540FF794739BBA685257464004C2D08.0001.20080610102056.ppt	6/10/2008	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	
FEDBPROP-000003595	Attachment	Morgan, Lewis & Bockius	Renewables Update 3-25 v2.ppt	4/2/2009	FE Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	

## **Enclosure 4**

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 Log Entry Changes  
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Log No.	Category	Location*	Document Title	Date	Confidentiality	Contentions	Log Change Comments
FEDBPROP-000035464	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	May 2011 LTPF Summary.doc	6/20/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	Third Party Proprietary, initially disclosed as First Energy Proprietary.
FEDBPROP-00003559	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	Costs Breakup.xlsx	3/1/2011	FE Proprietary – 10 C.F.R. § 2.390(a)(4); Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	FE Proprietary and Third-Party Proprietary, initially disclosed as First Energy Proprietary only
FEDBPROP-00003590	Standard file;Standard file without attachment	Morgan, Lewis & Bockius	May 2011 LTPF Summary.doc	6/17/2011	Third-Party Proprietary - 10 C.F.R. § 2.390(a)(4)	Contention 1	Third Party Proprietary, initially disclosed as First Energy Proprietary.
FEDB-00000683	Embedding	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev_TPE.ppt_embedding2	6/23/2011		Contention 1	Non-proprietary document, initially disclosed as proprietary.
FEDB-00000684	Attachment	Morgan, Lewis & Bockius	Norton Project Technology Comparison Rev_TPE.ppt_embedding2	7/8/2011		Contention 1	Non-proprietary document, initially disclosed as proprietary.
FEDB-00000685	Embedding	Morgan, Lewis & Bockius	Norton Project Technology Comparison.ppt_embedding6	6/10/2011		Contention 1	Non-proprietary document, initially disclosed as proprietary.
FEDB-00000686	Attachment	Morgan, Lewis & Bockius	Norton Project Technology Comparison.ppt_embedding6	6/15/2011		Contention 1	Non-proprietary document, initially disclosed as proprietary.

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION**

**ATOMIC SAFETY AND LICENSING BOARD**

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In the Matter of )  
FIRSTENERGY NUCLEAR OPERATING COMPANY ) Docket No. 50-346-LR  
(Davis-Besse Nuclear Power Station, Unit 1) ) January 3, 2012  
)

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**CERTIFICATE OF SERVICE**

I hereby certify that, on this date, a copy of FENOC's First Update to Mandatory Disclosures Pursuant to 10 C.F.R. § 2.336 were filed with the Electronic Information Exchange in the above-captioned proceeding on the following recipients.

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