



2015 ENO IRP
MACRO INPUTS WORKPAPERS

October 3, 2014

Produced by: Planning Analysis Department of
System Planning & Operations
Entergy Services, Inc.

**Use "Select All Sheets" to group sheets and print entire workbook. Ungroup sheets to print individual tabs.
If all sheets are selected in this workbook is 478 pages.**

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Annual Henry Hub Natural Gas Price Forecast (Nominal and 2014 Real Prices)

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Monthly Henry Hub Natural Gas Price Forecast (Nominal and 2014 Real Prices)

Monthly Henry Hub Natural Gas Price Forecast (Nominal and 2014 Real Prices)

Monthly Henry Hub Natural Gas Price Forecast (Nominal and 2014 Real Prices)

Monthly Henry Hub Natural Gas Price Forecast (Nominal and 2014 Real Prices)

Monthly Henry Hub Natural Gas Price Forecast (Nominal and 2014 Real Prices)

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Reference Case Coal Price Forecast Entergy Units (Annual Prices)

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High Case Coal Price Forecast Entergy Units (Annual Prices)

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Low Case Coal Price Forecast Entergy Units (Annual Prices)

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Reference Case Coal Price Forecast Entergy Units (Monthly Prices)

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Reference Case Coal Price Forecast Entergy Units (Monthly Prices)

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High Case Coal Price Forecast Entergy Units (Monthly Prices)

2015 ENO IRP

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Low Case Coal Price Forecast Entergy Units (Monthly Prices)

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Annual Crude Oil Price Forecast (Nominal and 2013 Real Prices)

Annual Nuclear Fuel Prices For Entergy Units (Nominal and 2013 Real Prices)

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ENO Annual Energy and Total Peaks (Industrial Renaissance)

2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Industrial Renaissance): Entergy OPCOs

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Industrial Renaissance Total Energy Forecast (GWHs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	5,406	24,134	35,432	18,946	14,984	97,709
2016	5,535	25,331	36,445	20,497	-	87,808
2017	5,540	27,551	37,670	21,485	-	92,245
2018	5,590	31,262	38,299	21,878	-	91,929
2019	5,643	33,005	39,176	-	-	77,824
2020	5,695	-	-	-	-	-
2021	5,739	-	-	-	-	-
2022	5,792	-	-	-	-	-
2023	5,848	-	-	-	-	-
2024	5,913	-	-	-	-	-
2025	5,968	-	-	-	-	-
2026	6,026	-	-	-	-	-
2027	6,085	-	-	-	-	-
2028	6,149	-	-	-	-	-
2029	6,201	-	-	-	-	-
2030	6,258	-	-	-	-	-
2031	6,318	-	-	-	-	-
2032	6,382	-	-	-	-	-
2033	6,438	-	-	-	-	-
2034	6,497	-	-	-	-	-
2015-2025						
CAGR	1.0%	-	-	-	-	-
2025-2034						
CAGR	0.9%	-	-	-	-	-
2015-2034						
CAGR	0.9%	-	-	-	-	-

Notes and Assumptions:

- Forecast prepared July 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018, and ELL&EGSL will exit 02/14/19
- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.

2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Industrial Renaissance): Entergy OPCOs

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Industrial Renaissance Total Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,029	3,985	5,884	3,569	3,569	17,552
2016	1,050	4,108	5,973	3,736	-	14,658
2017	1,049	4,358	6,137	3,871	-	15,211
2018	1,059	4,694	6,202	3,922	-	15,672
2019	1,064	4,851	6,321	-	-	12,142
2020	1,070	-	-	-	-	-
2021	1,075	-	-	-	-	-
2022	1,081	-	-	-	-	-
2023	1,088	-	-	-	-	-
2024	1,096	-	-	-	-	-
2025	1,105	-	-	-	-	-
2026	1,112	-	-	-	-	-
2027	1,120	-	-	-	-	-
2028	1,128	-	-	-	-	-
2029	1,136	-	-	-	-	-
2030	1,143	-	-	-	-	-
2031	1,152	-	-	-	-	-
2032	1,160	-	-	-	-	-
2033	1,168	-	-	-	-	-
2034	1,176	-	-	-	-	-
2015-2025						
CAGR	0.7%	-	-	-	-	-
2025-2034						
CAGR	0.6%	-	-	-	-	-
2015-2034						
CAGR	0.7%	-	-	-	-	-

Notes and Assumptions:

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2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Industrial Renaissance): Entergy OPCOs

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Industrial Renaissance Firm Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,029	3,985	5,884	3,569	3,306	17,552
2016	1,050	4,108	5,973	3,736	-	14,658
2017	1,049	4,358	6,137	3,871	-	15,211
2018	1,059	4,694	6,202	3,922	-	15,672
2019	1,064	4,851	6,321	-	-	12,142
2020	1,070	-	-	-	-	-
2021	1,075	-	-	-	-	-
2022	1,081	-	-	-	-	-
2023	1,088	-	-	-	-	-
2024	1,096	-	-	-	-	-
2025	1,105	-	-	-	-	-
2026	1,112	-	-	-	-	-
2027	1,120	-	-	-	-	-
2028	1,128	-	-	-	-	-
2029	1,136	-	-	-	-	-
2030	1,143	-	-	-	-	-
2031	1,152	-	-	-	-	-
2032	1,160	-	-	-	-	-
2033	1,168	-	-	-	-	-
2034	1,176	-	-	-	-	-
2015-2025						
CAGR	0.7%	-	-	-	-	-
2025-2034						
CAGR	0.6%	-	-	-	-	-
2015-2034						
CAGR	0.7%	-	-	-	-	-

Notes and Assumptions:

- Forecast prepared July 2014
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Annual Energy and Total Peaks (Industrial Renaissance): Non Entergy MISO South LSEs

2015 ENO IRP

Annual Energy and Total Peaks (Industrial Renaissance): Total Footprint Modeled

2015 ENO IRP

EGSL & ELL Annual Energy and Total Peaks (Business Boom)

2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Business Boom): Entergy OPCOs

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Business Boom Total Energy Forecast (GWHs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	5,568	24,162	35,488	19,196	14,998	99,413
2016	5,745	25,613	36,850	21,098	-	89,305
2017	5,764	27,924	38,301	22,194	-	94,183
2018	5,820	32,688	39,089	22,678	-	100,275
2019	5,875	34,919	40,130	-	-	80,924
2020	5,929	-	-	-	-	-
2021	5,975	-	-	-	-	-
2022	6,030	-	-	-	-	-
2023	6,089	-	-	-	-	-
2024	6,155	-	-	-	-	-
2025	6,213	-	-	-	-	-
2026	6,273	-	-	-	-	-
2027	6,334	-	-	-	-	-
2028	6,400	-	-	-	-	-
2029	6,454	-	-	-	-	-
2030	6,514	-	-	-	-	-
2031	6,575	-	-	-	-	-
2032	6,642	-	-	-	-	-
2033	6,701	-	-	-	-	-
2034	6,762	-	-	-	-	-
2015-2025						
CAGR	1.1%	-	-	-	-	-
2025-2034						
CAGR	0.9%	-	-	-	-	-
2015-2034						
CAGR	1.0%	-	-	-	-	-

Notes and Assumptions:

- Forecast prepared August 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018, and ELL&EGSL will exit 02/14/19

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Annual Energy, Total Peaks, Firm Peaks (Business Boom): Entergy OPCOs

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Business Boom Total Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,052	3,991	5,891	3,617	3,308	17,603
2016	1,078	4,144	6,016	3,803	-	14,785
2017	1,079	4,417	6,208	3,962	-	15,412
2018	1,089	4,855	6,282	4,033	-	15,980
2019	1,095	5,046	6,434	-	-	12,317
2020	1,101	-	-	-	-	-
2021	1,107	-	-	-	-	-
2022	1,113	-	-	-	-	-
2023	1,120	-	-	-	-	-
2024	1,128	-	-	-	-	-
2025	1,137	-	-	-	-	-
2026	1,145	-	-	-	-	-
2027	1,153	-	-	-	-	-
2028	1,161	-	-	-	-	-
2029	1,170	-	-	-	-	-
2030	1,178	-	-	-	-	-
2031	1,187	-	-	-	-	-
2032	1,195	-	-	-	-	-
2033	1,203	-	-	-	-	-
2034	1,212	-	-	-	-	-
2015-2025						
CAGR	0.8%	-	-	-	-	-
2025-2034						
CAGR	0.6%	-	-	-	-	-
2015-2034						
CAGR	0.7%	-	-	-	-	-

Notes and Assumptions:

- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.
- Forecast prepared August 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018, and ELL&EGSL will exit 02/14/19

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Annual Energy, Total Peaks, Firm Peaks (Business Boom): Entergy OPCOs

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Business Boom Firm Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,028	3,959	5,723	3,559	3,280	17,293
2016	1,055	4,112	5,847	3,743	-	14,497
2017	1,056	4,384	6,035	3,900	-	15,117
2018	1,065	4,821	6,102	3,970	-	15,677
2019	1,071	5,012	6,250	-	-	12,070
2020	1,077	-	-	-	-	-
2021	1,083	-	-	-	-	-
2022	1,089	-	-	-	-	-
2023	1,096	-	-	-	-	-
2024	1,104	-	-	-	-	-
2025	1,113	-	-	-	-	-
2026	1,121	-	-	-	-	-
2027	1,129	-	-	-	-	-
2028	1,137	-	-	-	-	-
2029	1,145	-	-	-	-	-
2030	1,153	-	-	-	-	-
2031	1,162	-	-	-	-	-
2032	1,170	-	-	-	-	-
2033	1,179	-	-	-	-	-
2034	1,188	-	-	-	-	-
2015-2025 CAGR	0.8%	-	-	-	-	-
2025-2034 CAGR	0.7%	-	-	-	-	-
2015-2034 CAGR	0.7%	-	-	-	-	-

Notes and Assumptions:

- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.
- Forecast prepared August 2014

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Annual Energy and Total Peaks (Business Boom): MISO South LSEs

2015 ENO IRP

Annual Energy and Total Peaks (Business Boom): Total Footprint Modeled

2015 ENO IRP

ENO Annual Energy and Total Peaks (Generation Shift)

2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Generation Shift): Entergy OPCOs

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Generation Shift Total Energy Forecast (GWHs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	5,375	23,843	35,255	18,698	14,879	98,051
2016	5,450	24,740	36,017	19,123	-	85,330
2017	5,493	26,162	36,948	19,271	-	87,875
2018	5,521	27,528	37,424	19,465	-	89,937
2019	5,544	29,480	37,922	-	-	72,946
2020	5,567	-	-	-	-	-
2021	5,598	-	-	-	-	-
2022	5,651	-	-	-	-	-
2023	5,708	-	-	-	-	-
2024	5,772	-	-	-	-	-
2025	5,827	-	-	-	-	-
2026	5,885	-	-	-	-	-
2027	5,945	-	-	-	-	-
2028	6,008	-	-	-	-	-
2029	6,060	-	-	-	-	-
2030	6,117	-	-	-	-	-
2031	6,177	-	-	-	-	-
2032	6,241	-	-	-	-	-
2033	6,297	-	-	-	-	-
2034	6,356	-	-	-	-	-
2015-2025						
CAGR	0.8%	-	-	-	-	-
2025-2034						
CAGR	0.9%	-	-	-	-	-
2015-2034						
CAGR	0.8%	-	-	-	-	-

Notes and Assumptions:

- Forecast prepared August 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018, and ELL&EGSL will exit 02/14/19

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Annual Energy, Total Peaks, Firm Peaks (Generation Shift): Entergy OPCOs

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Generation Shift Total Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,027	3,919	5,866	3,505	3,256	17,312
2016	1,041	3,980	5,938	3,565	-	14,265
2017	1,048	4,081	6,068	3,580	-	14,522
2018	1,058	4,189	6,111	3,590	-	14,644
2019	1,062	4,368	6,181	-	-	11,325
2020	1,067	-	-	-	-	-
2021	1,072	-	-	-	-	-
2022	1,078	-	-	-	-	-
2023	1,085	-	-	-	-	-
2024	1,093	-	-	-	-	-
2025	1,104	-	-	-	-	-
2026	1,109	-	-	-	-	-
2027	1,117	-	-	-	-	-
2028	1,125	-	-	-	-	-
2029	1,134	-	-	-	-	-
2030	1,141	-	-	-	-	-
2031	1,151	-	-	-	-	-
2032	1,156	-	-	-	-	-
2033	1,165	-	-	-	-	-
2034	1,173	-	-	-	-	-
2014-2024 CAGR	0.7%	-	-	-	-	-
2024-2034 CAGR	0.6%	-	-	-	-	-
2014-2034 CAGR	0.7%	-	-	-	-	-

Notes and Assumptions:

- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.
- Forecast prepared August 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018, and ELL&EGSL will exit 02/14/19

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Annual Energy, Total Peaks, Firm Peaks (Generation Shift): Entergy OPCOs

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Generation Shift Firm Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,003	3,888	5,699	3,447	3,228	17,001
2016	1,017	3,948	5,769	3,505	-	13,978
2017	1,025	4,048	5,894	3,518	-	14,212
2018	1,034	4,156	5,931	3,526	-	14,320
2019	1,038	4,334	5,997	-	-	11,054
2020	1,043	-	-	-	-	-
2021	1,048	-	-	-	-	-
2022	1,054	-	-	-	-	-
2023	1,061	-	-	-	-	-
2024	1,069	-	-	-	-	-
2025	1,080	-	-	-	-	-
2026	1,085	-	-	-	-	-
2027	1,093	-	-	-	-	-
2028	1,101	-	-	-	-	-
2029	1,109	-	-	-	-	-
2030	1,116	-	-	-	-	-
2031	1,127	-	-	-	-	-
2032	1,132	-	-	-	-	-
2033	1,141	-	-	-	-	-
2034	1,149	-	-	-	-	-
2015-2025 CAGR	0.7%	-	-	-	-	-
2025-2034 CAGR	0.6%	-	-	-	-	-
2015-2034 CAGR	0.7%	-	-	-	-	-

Notes and Assumptions:

- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.
- Forecast prepared August 2014

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Annual Energy and Total Peaks (Generation Shift): MISO South LSEs

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Annual Energy and Total Peaks (Generation Shift): Total Footprint Modeled

2015 ENO IRP

ENO Annual Energy and Total Peaks (Distributed Disruption)

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Annual Energy, Total Peaks, Firm Peaks (Distributed Disruption): Entergy OPCOs

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Distributed Disruption Total Energy Forecast (GWHs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	5,383	24,064	35,314	18,908	14,970	98,639
2016	5,516	25,206	36,249	20,429	-	87,400
2017	5,528	27,368	37,396	21,388	-	91,679
2018	5,577	31,019	37,938	21,751	-	74,534
2019	5,622	32,702	38,722	-	-	77,046
2020	5,660	-	-	-	-	-
2021	5,680	-	-	-	-	-
2022	5,707	-	-	-	-	-
2023	5,739	-	-	-	-	-
2024	5,777	-	-	-	-	-
2025	5,796	-	-	-	-	-
2026	5,810	-	-	-	-	-
2027	5,823	-	-	-	-	-
2028	5,840	-	-	-	-	-
2029	5,844	-	-	-	-	-
2030	5,842	-	-	-	-	-
2031	5,828	-	-	-	-	-
2032	5,816	-	-	-	-	-
2033	5,798	-	-	-	-	-
2034	5,779	-	-	-	-	-
2015-2025 CAGR	0.7%	-	-	-	-	-
2025-2034 CAGR	0.0%	-	-	-	-	-
2015-2034 CAGR	0.4%	-	-	-	-	-

Notes and Assumptions:

- Forecast prepared August 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018 and ELL&EGSL will exit 02/14/19

2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Distributed Disruption): Entergy OPCOs

[Click here to go to Table of Contents](#)

Distributed Disruption Total Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,029	3,975	5,862	3,565	3,304	17,500
2016	1,049	4,089	5,940	3,727	-	14,596
2017	1,048	4,333	6,097	3,859	-	15,135
2018	1,057	4,663	6,140	3,906	-	15,544
2019	1,063	4,803	6,244	-	-	12,020
2020	1,068	-	-	-	-	-
2021	1,072	-	-	-	-	-
2022	1,076	-	-	-	-	-
2023	1,083	-	-	-	-	-
2024	1,089	-	-	-	-	-
2025	1,099	-	-	-	-	-
2026	1,103	-	-	-	-	-
2027	1,108	-	-	-	-	-
2028	1,115	-	-	-	-	-
2029	1,123	-	-	-	-	-
2030	1,127	-	-	-	-	-
2031	1,141	-	-	-	-	-
2032	1,138	-	-	-	-	-
2033	1,144	-	-	-	-	-
2034	1,151	-	-	-	-	-
2015-2025						
CAGR	0.7%	-	-	-	-	-
2025-2034						
CAGR	0.5%	-	-	-	-	-
2015-2034						
CAGR	0.6%	-	-	-	-	-

Notes and Assumptions:

- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.
- Forecast prepared August 2014
- For the purposes of this chart only, EAI is assumed to have exited the system 1/1/14, EMI will exit 12/1/2015, ETI will exit 10/1/2018 and ELL&EGSL will exit 02/14/19

2015 ENO IRP

Annual Energy, Total Peaks, Firm Peaks (Distributed Disruption): Entergy OPCOs

[Click here to go to Table of Contents](#)

Distributed Disruption Firm Peak Load Forecast (MWs)						
Year	ENOI	EGSL	ELL	ETI	EMI	System
2015	1,005	3,944	5,695	3,506	3,276	17,152
2016	1,025	4,057	5,771	3,667	-	14,311
2017	1,025	4,300	5,923	3,797	-	14,843
2018	1,034	4,630	5,963	3,842	-	15,236
2019	1,039	4,769	6,063	-	-	11,778
2020	1,044	-	-	-	-	-
2021	1,048	-	-	-	-	-
2022	1,053	-	-	-	-	-
2023	1,059	-	-	-	-	-
2024	1,065	-	-	-	-	-
2025	1,075	-	-	-	-	-
2026	1,079	-	-	-	-	-
2027	1,084	-	-	-	-	-
2028	1,091	-	-	-	-	-
2029	1,099	-	-	-	-	-
2030	1,103	-	-	-	-	-
2031	1,116	-	-	-	-	-
2032	1,113	-	-	-	-	-
2033	1,120	-	-	-	-	-
2034	1,127	-	-	-	-	-
2015-2025 CAGR	0.7%	-	-	-	-	-
2025-2034 CAGR	0.5%	-	-	-	-	-
2015-2034 CAGR	0.6%	-	-	-	-	-

Notes and Assumptions:

- Operating Company peaks are not coincident with System or Utility. Peaks are not coincident with MISO peaks.
- Forecast prepared August 2014

2015 ENO IRP

Annual Energy and Total Peaks (Distributed Disruption): Non Entergy MISO South LSEs

2015 ENO IRP

Annual Energy and Total Peaks (Distributed Disruption): Total Footprint Modeled

2015 ENO IRP

ENO Load Forecast Comparison of Scenarios

[Click here to go to Table of Contents](#)

ENO Year	Total Energy Forecast (GWHs)				Total Peak Load Forecast (MW)				Total Firm Peak Load Forecast (MW)			
	Industrial Renaissance	Business Boom	Generation Shift	Distributed Disruption	Industrial Renaissance	Business Boom	Generation Shift	Distributed Disruption	Industrial Renaissance	Business Boom	Generation Shift	Distributed Disruption
2015	5,406	5,568	5,375	5,383	1,029	1,052	1,027	1,029	1,006	1,028	1,003	1,005
2016	5,535	5,745	5,450	5,516	1,050	1,078	1,041	1,049	1,026	1,055	1,017	1,025
2017	5,540	5,764	5,493	5,528	1,049	1,079	1,048	1,048	1,026	1,056	1,025	1,025
2018	5,590	5,820	5,521	5,577	1,059	1,089	1,058	1,057	1,035	1,065	1,034	1,034
2019	5,643	5,875	5,544	5,622	1,064	1,095	1,062	1,063	1,040	1,071	1,038	1,039
2020	5,695	5,929	5,567	5,660	1,070	1,101	1,067	1,068	1,046	1,077	1,043	1,044
2021	5,739	5,975	5,598	5,680	1,075	1,107	1,072	1,072	1,051	1,083	1,048	1,048
2022	5,792	6,030	5,651	5,707	1,081	1,113	1,078	1,076	1,057	1,089	1,054	1,053
2023	5,848	6,089	5,708	5,739	1,088	1,120	1,085	1,083	1,064	1,096	1,061	1,059
2024	5,913	6,155	5,772	5,777	1,096	1,128	1,093	1,089	1,072	1,104	1,069	1,065
2025	5,968	6,213	5,827	5,796	1,105	1,137	1,104	1,099	1,081	1,113	1,080	1,075
2026	6,026	6,273	5,885	5,810	1,112	1,145	1,109	1,103	1,088	1,121	1,085	1,079
2027	6,085	6,334	5,945	5,823	1,120	1,153	1,117	1,108	1,096	1,129	1,093	1,084
2028	6,149	6,400	6,008	5,840	1,128	1,161	1,125	1,115	1,104	1,137	1,101	1,091
2029	6,201	6,454	6,060	5,844	1,136	1,170	1,134	1,123	1,112	1,145	1,109	1,099
2030	6,258	6,514	6,117	5,842	1,143	1,178	1,141	1,127	1,119	1,153	1,116	1,103
2031	6,318	6,575	6,177	5,828	1,152	1,187	1,151	1,141	1,128	1,162	1,127	1,116
2032	6,382	6,642	6,241	5,816	1,160	1,195	1,156	1,138	1,136	1,170	1,132	1,113
2033	6,438	6,701	6,297	5,798	1,168	1,203	1,165	1,144	1,144	1,179	1,141	1,120
2034	6,497	6,762	6,356	5,779	1,176	1,212	1,173	1,151	1,152	1,188	1,149	1,127
2015-2025 CAGR	1.0%	1.1%	0.8%	0.7%	0.7%	0.8%	0.7%	0.7%	0.7%	0.8%	0.7%	0.7%
2025-2034 CAGR	0.9%	0.9%	0.9%	0.0%	0.6%	0.6%	0.6%	0.5%	0.6%	0.7%	0.6%	0.5%
2015-2034 CAGR	0.9%	1.0%	0.8%	0.4%	0.7%	0.7%	0.7%	0.6%	0.7%	0.7%	0.7%	0.6%

Notes and Assumptions:

•Operating Company peaks are not coincident with System, Utility total or MISO Peak

MISO South & MISO North Load Forecast Comparison of Scenarios

2015 ENO IRP

Total MISO, Non MISO & Total Modeled Footprint Load Forecast Comparison of Scenarios

2015 ENO IRP

Non CO2 Emissions Price Forecast (Reference Case)

2015 ENO IRP

CO2 Emissions Price Forecast (Reference Case)

2015 ENO IRP

Inflation Forecast (Reference Case)

Forecast Prepared June 6, 2013

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SPO GDP POV			SPO CPI POV			SPO PPI POV		
		2013\$ Conversion Factor			2013\$ Conversion Factor			2013\$ Conversion Factor
2011	2.13%	0.965	-	3.14%	0.963	-	8.82%	0.977
2012	1.81%	0.982	-	2.08%	0.983	-	0.56%	0.983
2013	1.81%	1.000	-	1.69%	1.000	-	1.76%	1.000
2014	2.09%	1.021	-	1.91%	1.019	-	2.07%	1.021
2015	2.10%	1.042	-	2.00%	1.039	-	1.86%	1.040
2016	2.00%	1.063	-	2.00%	1.060	-	1.75%	1.058
2017	2.00%	1.084	-	2.00%	1.081	-	1.75%	1.076
2018	2.00%	1.106	-	2.00%	1.103	-	1.75%	1.095
2019	2.00%	1.128	-	2.00%	1.125	-	1.75%	1.114
2020	2.00%	1.151	-	2.00%	1.148	-	1.75%	1.134
2021	2.00%	1.174	-	2.00%	1.171	-	1.75%	1.154
2022	2.00%	1.197	-	2.00%	1.194	-	1.75%	1.174
2023	2.00%	1.221	-	2.00%	1.218	-	1.75%	1.194
2024	2.00%	1.246	-	2.00%	1.242	-	1.75%	1.215
2025	2.00%	1.271	-	2.00%	1.267	-	1.75%	1.237
2026	2.00%	1.296	-	2.00%	1.292	-	1.75%	1.258
2027	2.00%	1.322	-	2.00%	1.318	-	1.75%	1.280
2028	2.00%	1.348	-	2.00%	1.345	-	1.75%	1.303
2029	2.00%	1.375	-	2.00%	1.372	-	1.75%	1.325
2030	2.00%	1.403	-	2.00%	1.399	-	1.75%	1.349
2031	2.00%	1.431	-	2.00%	1.427	-	1.75%	1.372
2032	2.00%	1.460	-	2.00%	1.456	-	1.75%	1.396
2033	2.00%	1.489	-	2.00%	1.485	-	1.75%	1.421
2034	2.00%	1.519	-	2.00%	1.514	-	1.75%	1.445
2035	2.00%	1.549	-	2.00%	1.545	-	1.75%	1.471
2036	2.00%	1.580	-	2.00%	1.576	-	1.75%	1.497
2037	2.00%	1.611	-	2.00%	1.607	-	1.75%	1.523
2038	2.00%	1.644	-	2.00%	1.639	-	1.75%	1.549
2039	2.00%	1.677	-	2.00%	1.672	-	1.75%	1.576
2040	2.00%	1.710	-	2.00%	1.705	-	1.75%	1.604
2041	2.00%	1.744	-	2.00%	1.740	-	1.75%	1.632
2042	2.00%	1.779	-	2.00%	1.774	-	1.75%	1.661
2043	2.00%	1.815	-	2.00%	1.810	-	1.75%	1.690

2015 ENO IRP

Inflation Forecast (Reference Case)

Forecast Prepared June 6, 2013

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SPO GDP POV			SPO CPI POV			SPO PPI POV		
2013\$ Conversion Factor			2013\$ Conversion Factor			2013\$ Conversion Factor		
2044	2.00%	1.851	-	2.00%	1.846	-	1.75%	1.719
2045	2.00%	1.888	-	2.00%	1.883	-	1.75%	1.749

Additional Calculations to Support Real Levelized Price Determination Elsewhere In This Workbook

ENO WACC #REF!

Conversions For Levelized Real

# of Years	Factor	
1	#REF!	2014
2	#REF!	2015
3	#REF!	2016
4	#REF!	2017
5	#REF!	2018
6	#REF!	2019
7	#REF!	2020
8	#REF!	2021
9	#REF!	2022
10	#REF!	2023
11	#REF!	2024
12	#REF!	2025
13	#REF!	2026
14	#REF!	2027
15	#REF!	2028
16	#REF!	2029
17	#REF!	2030
18	#REF!	2031
19	#REF!	2032
20	#REF!	2033
21	#REF!	2034
22	#REF!	2035
23	#REF!	2036
24	#REF!	2037
25	#REF!	2038
26	#REF!	2039
27	#REF!	2040
28	#REF!	2041
29	#REF!	2042
30	#REF!	2043
31	#REF!	2044

2015 ENO IRP

Inflation Forecast (Reference Case)

Forecast Prepared June 6, 2013

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SPO GDP POV		SPO CPI POV		SPO PPI POV	
2013\$ Conversion Factor		2013\$ Conversion Factor		2013\$ Conversion Factor	
32	#REF!		2045		

2015 ENO IRP
Inflation Forecast (High Case)

Forecast Prepared February 17, 2014

[Click here to go to Table of Contents](#)

SPO GDP POV			SPO CPI POV			SPO PPI POV		
		2013\$ Conversion Factor			2013\$ Conversion Factor			2013\$ Conversion Factor
2011	2.13%	0.965		3.14%	0.963		8.82%	0.977
2012	1.81%	0.982		2.08%	0.983		0.56%	0.983
2013	1.81%	1.000		1.69%	1.000		1.76%	1.000
2014	4.18%	1.042		3.82%	1.038		4.13%	1.041
2015	4.21%	1.086		4.00%	1.080		3.71%	1.080
2016	4.00%	1.129		4.00%	1.123		3.50%	1.118
2017	4.00%	1.174		4.00%	1.168		3.50%	1.157
2018	4.00%	1.221		4.00%	1.215		3.50%	1.197
2019	4.00%	1.270		4.00%	1.263		3.50%	1.239
2020	4.00%	1.321		4.00%	1.314		3.50%	1.283
2021	4.00%	1.374		4.00%	1.366		3.50%	1.328
2022	4.00%	1.429		4.00%	1.421		3.50%	1.374
2023	4.00%	1.486		4.00%	1.478		3.50%	1.422
2024	4.00%	1.545		4.00%	1.537		3.50%	1.472
2025	4.00%	1.607		4.00%	1.598		3.50%	1.523
2026	4.00%	1.671		4.00%	1.662		3.50%	1.577
2027	4.00%	1.738		4.00%	1.729		3.50%	1.632
2028	4.00%	1.808		4.00%	1.798		3.50%	1.689
2029	4.00%	1.880		4.00%	1.870		3.50%	1.748
2030	4.00%	1.955		4.00%	1.945		3.50%	1.809
2031	4.00%	2.033		4.00%	2.022		3.50%	1.873
2032	4.00%	2.115		4.00%	2.103		3.50%	1.938
2033	4.00%	2.199		4.00%	2.187		3.50%	2.006
2034	4.00%	2.287		4.00%	2.275		3.50%	2.076
2035	4.00%	2.379		4.00%	2.366		3.50%	2.149
2036	4.00%	2.474		4.00%	2.460		3.50%	2.224
2037	4.00%	2.573		4.00%	2.559		3.50%	2.302
2038	4.00%	2.676		4.00%	2.661		3.50%	2.382
2039	4.00%	2.783		4.00%	2.768		3.50%	2.466
2040	4.00%	2.894		4.00%	2.878		3.50%	2.552
2041	4.00%	3.010		4.00%	2.994		3.50%	2.642
2042	4.00%	3.130		4.00%	3.113		3.50%	2.734
2043	4.00%	3.255		4.00%	3.238		3.50%	2.830

2015 ENO IRP Inflation Forecast (High Case)

Forecast Prepared February 17, 2014

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SPO GDP POV			SPO CPI POV			SPO PPI POV		
2013\$ Conversion Factor			2013\$ Conversion Factor			2013\$ Conversion Factor		
2044	4.00%	3.386	4.00%	3.367	3.50%	2.929		
2045	4.00%	3.521	4.00%	3.502	3.50%	3.031		

Additional Calculations to Support Real Levelized Price Determination Elsewhere In This Workbook

ENO WACC #REF!

Conversions For Levelized Real

# of Years	Factor	
1	#REF!	2014
2	#REF!	2015
3	#REF!	2016
4	#REF!	2017
5	#REF!	2018
6	#REF!	2019
7	#REF!	2020
8	#REF!	2021
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27	#REF!	2040
28	#REF!	2041
29	#REF!	2042
30	#REF!	2043
31	#REF!	2044

2015 ENO IRP
Inflation Forecast (High Case)

Forecast Prepared February 17, 2014

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SPO GDP POV		SPO CPI POV		SPO PPI POV	
	2013\$ Conversion Factor		2013\$ Conversion Factor		2013\$ Conversion Factor
32	#REF!				2045

2015 ENO IRP

Inflation Forecast (Low Case)

Forecast Prepared February 17, 2014

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SPO GDP POV			SPO CPI POV		SPO PPI POV			
	2013\$ Conversion Factor			2013\$ Conversion Factor			2013\$ Conversion Factor	
2011	0.00%	Define Price Path Power	400.00%	-		0.00%	93.409	
2012	0.00%	-	0.00%	-		0.00%	95.277	
2013	0.00%	-	0.00%	1.000		0.00%	97.183	
2014	1.04%	1.010	0.96%	1.010		1.03%	1.010	
2015	1.05%	1.021	1.00%	1.020		0.93%	1.020	
2016	1.00%	1.031	1.00%	1.030		0.88%	1.029	
2017	1.00%	1.042	1.00%	1.040		0.88%	1.038	
2018	1.00%	1.052	1.00%	1.051		0.88%	1.047	
2019	1.00%	1.063	1.00%	1.061		0.88%	1.056	
2020	1.00%	1.073	1.00%	1.072		0.88%	1.065	
2021	1.00%	1.084	1.00%	1.082		0.88%	1.074	
2022	1.00%	1.095	1.00%	1.093		0.88%	1.084	
2023	1.00%	1.106	1.00%	1.104		0.88%	1.093	
2024	1.00%	1.117	1.00%	1.115		0.88%	1.103	
2025	1.00%	1.128	1.00%	1.126		0.88%	1.113	
2026	1.00%	1.139	1.00%	1.138		0.88%	1.122	
2027	1.00%	1.151	1.00%	1.149		0.88%	1.132	
2028	1.00%	1.162	1.00%	1.160		0.88%	1.142	
2029	1.00%	1.174	1.00%	1.172		0.88%	1.152	
2030	1.00%	1.185	1.00%	1.184		0.88%	1.162	
2031	1.00%	1.197	1.00%	1.196		0.88%	1.172	
2032	1.00%	1.209	1.00%	1.208		0.88%	1.182	
2033	1.00%	1.221	1.00%	1.220		0.88%	1.193	
2034	1.00%	1.234	1.00%	1.232		0.88%	1.203	
2035	1.00%	1.246	1.00%	1.244		0.88%	1.214	
2036	1.00%	1.258	1.00%	1.257		0.88%	1.224	
2037	1.00%	1.271	1.00%	1.269		0.88%	1.235	
2038	1.00%	1.284	1.00%	1.282		0.88%	1.246	
2039	1.00%	1.296	1.00%	1.295		0.88%	1.257	
2040	1.00%	1.309	1.00%	1.308		0.88%	1.268	
2041	1.00%	1.323	1.00%	1.321		0.88%	1.279	
2042	1.00%	1.336	1.00%	1.334		0.88%	1.290	
2043	1.00%	1.349	1.00%	1.347		0.88%	1.301	

2015 ENO IRP Inflation Forecast (Low Case)

Forecast Prepared February 17, 2014

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SPO GDP POV			SPO CPI POV			SPO PPI POV		
2013\$ Conversion Factor			2013\$ Conversion Factor			2013\$ Conversion Factor		
2044	1.00%	1.363	1.00%	1.361	0.88%	1.313		
2045	1.00%	1.376	1.00%	1.374	0.88%	1.324		

Additional Calculations to Support Real Levelized Price Determination Elsewhere In This Workbook

ENO WACC #REF!

Conversions For Levelized Real

# of Years	Factor	
1	#REF!	2014
2	#REF!	2015
3	#REF!	2016
4	#REF!	2017
5	#REF!	2018
6	#REF!	2019
7	#REF!	2020
8	#REF!	2021
9	#REF!	2022
10	#REF!	2023
11	#REF!	2024
12	#REF!	2025
13	#REF!	2026
14	#REF!	2027
15	#REF!	2028
16	#REF!	2029
17	#REF!	2030
18	#REF!	2031
19	#REF!	2032
20	#REF!	2033
21	#REF!	2034
22	#REF!	2035
23	#REF!	2036
24	#REF!	2037
25	#REF!	2038
26	#REF!	2039
27	#REF!	2040
28	#REF!	2041
29	#REF!	2042
30	#REF!	2043
31	#REF!	2044

2015 ENO IRP
Inflation Forecast (Low Case)

Forecast Prepared February 17, 2014

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SPO GDP POV		SPO CPI POV		SPO PPI POV	
	2013\$ Conversion Factor		2013\$ Conversion Factor		2013\$ Conversion Factor
32	#REF!				2045

2015 ENO IRP
Capacity Price Forecast

2015 ENO IRP

Supply Resource Deactivation Date Assumptions

2015 ENO IRP
ENO Financing Assumptions

**2015 ENO IRP
Supply Resource List Introduction**

2015 ENO IRP

Supply Resource List MISO North

2015 ENO IRP

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Supply Resource List MISO North

2015 ENO IRP

Supply Resource List MISO North

2015 ENO IRP

Supply Resource List MISO North

2015 ENO IRP

Supply Resource List MISO South

2015 ENO IRP

Supply Resource List MISO South

2015 ENO IRP

Supply Resource List MISO South

2015 ENO IRP

Supply Resource List SERC Southeast & SERC TVA

2015 ENO IRP

Supply Resource List SERC Southeast & SERC TVA

2015 ENO IRP

Supply Resource List SERC Southeast & SERC TVA

2015 ENO IRP

Supply Resource List SPP

2015 ENO IRP

Supply Resource List SPP

2015 ENO IRP

Supply Resource List SPP

2015 ENO IRP

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**ENO Avoided Energy Cost By
Season & Time Block**

27-Mar-14

2014 Business Plan (Feb. 2014 Update AURORA
Nodal Case) 2029-2034 Constant Heat Rate

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Avoided Capacity Cost
ENO

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Avoided Capacity Cost

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Avoided Capacity Cost
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Avoided Capacity Cost

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