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INDIANA UTILITY
REGULATORY COMMISSION

Hoosier Energy
2017 Integrated Resource Plan
Volume II: Technical Appendices

March 2018

Hoosier Energy – Technical Appendices to 2017 Integrated Resource Plan – Public Version

- Appendix A – Load Forecasts
- Appendix B – Historic System Load Shapes
- Appendix C – Supply-Side Resource Modeling Assumptions – Redacted
- Appendix D – Market, Fuel and Emission Price Assumptions – Redacted
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Appendix A1

Historical/Forecast Annual Load Summary – Base Upper-Normal Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?)

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Aggregated Member System Data NUMBER OF CONSUMERS						Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	4,091,226	958,648	2,062,380	38,923	7,151,178
FRCST 2017	284,641	14,038	210	2,936	301,825	4,168,072	968,623	2,122,348	38,923	7,297,967
FRCST 2018	286,184	14,177	208	2,936	303,505	4,223,295	979,893	2,138,086	38,923	7,380,197
FRCST 2019	287,676	14,316	208	2,936	305,136	4,266,182	992,823	2,166,121	38,923	7,464,049
FRCST 2020	289,260	14,455	208	2,936	306,859	4,308,852	1,006,520	2,179,218	38,923	7,533,513
FRCST 2021	290,800	14,594	208	2,936	308,538	4,347,589	1,016,755	2,196,193	38,923	7,599,460
FRCST 2022	292,438	14,737	206	2,936	310,317	4,384,634	1,025,878	2,201,297	38,923	7,650,733
FRCST 2023	294,089	14,880	206	2,936	312,111	4,419,482	1,034,960	2,207,162	38,923	7,700,527
FRCST 2024	295,824	15,023	206	2,936	313,989	4,455,192	1,045,356	2,213,647	38,923	7,753,118
FRCST 2025	297,514	15,166	206	2,936	315,822	4,489,119	1,059,188	2,219,958	38,923	7,807,188
FRCST 2026	299,299	15,309	205	2,936	317,749	4,526,742	1,071,223	2,225,712	38,923	7,862,599
FRCST 2027	301,015	15,469	204	2,936	319,624	4,566,215	1,086,911	2,223,007	38,923	7,915,056
FRCST 2028	302,789	15,629	204	2,936	321,558	4,608,528	1,102,662	2,223,007	38,923	7,973,119
FRCST 2029	304,572	15,789	204	2,936	323,501	4,649,772	1,118,478	2,223,007	38,923	8,030,180
FRCST 2030	306,441	15,949	204	2,936	325,530	4,691,361	1,134,358	2,223,007	38,923	8,087,649
FRCST 2031	308,264	16,109	204	2,936	327,513	4,732,853	1,150,303	2,223,007	38,923	8,145,086
FRCST 2032	310,083	16,274	204	2,936	329,497	4,778,073	1,166,551	2,223,007	38,923	8,206,554
FRCST 2033	311,885	16,439	204	2,936	331,464	4,824,768	1,182,864	2,175,569	38,923	8,222,124
FRCST 2034	313,783	16,604	204	2,936	333,527	4,875,434	1,199,242	2,139,991	38,923	8,253,590
FRCST 2035	315,639	16,769	203	2,936	335,547	4,928,776	1,215,689	2,104,413	38,923	8,287,800
FRCST 2036	317,455	16,934	203	2,936	337,528	4,981,800	1,232,201	2,104,413	38,923	8,357,336

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.53%	0.98%	-2	0	0.55%	1.22%	1.18%	1.27%	0.00%	1.22%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.81%	1.05%	0.27%	0.00%	0.68%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.02%	0.00%	0.71%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.09%	0.00%	0.52%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.99%	1.26%	0.10%	0.00%	0.78%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****							**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****			
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED for H.E. MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)				
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)		
						WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392	
ACTUAL 2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405	
ACTUAL 2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421	
ACTUAL 2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317	
ACTUAL 2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306	
ACTUAL 2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462	
ACTUAL 2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441	
ACTUAL 2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,426	1,631	1,278	1,478	
ACTUAL 2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351	
ACTUAL 2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348	
ACTUAL 2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363	
FRCST 2016	7,466,636	7,801,210	4.38%	4.63%	75.500	1,583	1,571	1,444	1,384	
FRCST 2017	7,620,138	7,947,089	4.20%	4.50%	75.760	1,611	1,593	1,475	1,429	
FRCST 2018	7,705,926	8,036,639	4.20%	4.50%	76.830	1,631	1,617	1,489	1,440	
FRCST 2019	7,793,743	8,128,306	4.20%	4.50%	77.430	1,649	1,637	1,506	1,458	
FRCST 2020	7,866,367	8,204,114	4.20%	4.50%	76.540	1,663	1,654	1,520	1,476	
FRCST 2021	7,935,280	8,276,048	4.20%	4.50%	76.800	1,676	1,671	1,533	1,493	
FRCST 2022	7,988,928	8,332,048	4.20%	4.50%	78.340	1,683	1,681	1,540	1,517	
FRCST 2023	8,041,024	8,386,428	4.20%	4.50%	79.910	1,692	1,694	1,548	1,529	
FRCST 2024	8,096,003	8,443,818	4.20%	4.50%	81.510	1,703	1,708	1,557	1,541	
FRCST 2025	8,152,566	8,502,860	4.20%	4.50%	83.140	1,713	1,721	1,566	1,554	
FRCST 2026	8,210,520	8,563,355	4.20%	4.50%	84.800	1,724	1,736	1,576	1,566	
FRCST 2027	8,264,878	8,620,096	4.20%	4.50%	86.500	1,735	1,749	1,586	1,578	
FRCST 2028	8,325,628	8,683,509	4.20%	4.50%	88.230	1,749	1,764	1,598	1,591	
FRCST 2029	8,385,341	8,745,840	4.20%	4.50%	89.990	1,762	1,778	1,611	1,604	
FRCST 2030	8,445,480	8,808,615	4.20%	4.50%	91.790	1,775	1,792	1,622	1,617	
FRCST 2031	8,505,591	8,871,362	4.20%	4.50%	93.630	1,788	1,807	1,634	1,631	
FRCST 2032	8,569,911	8,938,502	4.20%	4.50%	93.630	1,802	1,822	1,647	1,644	
FRCST 2033	8,586,663	8,955,988	4.20%	4.50%	93.630	1,807	1,827	1,652	1,649	
FRCST 2034	8,619,932	8,990,716	4.20%	4.50%	93.630	1,814	1,835	1,659	1,658	
FRCST 2035	8,656,104	9,028,474	4.20%	4.50%	93.630	1,821	1,843	1,666	1,666	
FRCST 2036	8,728,916	9,104,478	4.20%	4.50%	93.630	1,836	1,860	1,679	1,680	

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****							**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****			
TIME PERIOD	AGGREGATED TOTAL ENERGY PURCHASED FOR MEMBERS (% CHG.)	H.E. ENERGY GENERATED (% CHG.)	AVG. MONTHLY LOSS FACTORS due to MEMBERS ENERGY DEMAND (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)				
			Non-Coincident (% Chg)	Coincident (% Chg)		WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%	
2010 -2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%	
2016 -2021	1.22%	1.19%	4.23%	4.52%	0.34%	1.14%	1.23%	1.21%	1.52%	
2021 -2026	0.68%	0.68%	4.20%	4.50%	2.00%	0.57%	0.77%	0.55%	0.96%	
2026 -2031	0.71%	0.71%	4.20%	4.50%	2.00%	0.74%	0.80%	0.73%	0.81%	
2031 -2036	0.52%	0.52%	4.20%	4.50%	0.00%	0.52%	0.58%	0.54%	0.60%	
2005 -2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%	
2016 -2036	0.78%	0.78%	4.21%	4.51%	1.08%	0.74%	0.85%	0.76%	0.97%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW)					HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW)					
(All values are estimated 60 minute values)					(All values are estimated 60 minute values)					
YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		H.E. ANNUAL LOAD FACTOR Due To COINCIDENT PEAK	(WITHOUT LOSSES)		(WITH LOSSES)		H.E. ANNUAL LOAD FACTOR Due To NON-COIN. PEAK
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%
ACTUAL 2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%
ACTUAL 2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%
ACTUAL 2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%
ACTUAL 2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%
ACTUAL 2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%
ACTUAL 2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%
ACTUAL 2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%
ACTUAL 2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.5%
ACTUAL 2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%
ACTUAL 2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%
FRCST 2016	1,440	1,381	1,509	1,447	58.9%	1,579	1,567	1,654	1,642	53.7%
FRCST 2017	1,470.709	1,425	1,539	1,491	58.9%	1,606	1,589	1,681	1,663	54.0%
FRCST 2018	1,484.901	1,437	1,554	1,504	59.0%	1,626	1,612	1,701	1,687	53.9%
FRCST 2019	1,501.179	1,454	1,571	1,522	59.1%	1,644	1,633	1,720	1,708	53.9%
FRCST 2020	1,515.385	1,472	1,586	1,541	58.9%	1,658	1,650	1,735	1,726	53.8%
FRCST 2021	1,528.543	1,489	1,600	1,558	59.1%	1,671	1,666	1,748	1,743	54.0%
FRCST 2022	1,535.097	1,513	1,607	1,584	59.2%	1,678	1,677	1,756	1,755	54.2%
FRCST 2023	1,543.763	1,525	1,616	1,596	59.3%	1,688	1,690	1,766	1,768	54.2%
FRCST 2024	1,552.640	1,537	1,625	1,608	59.2%	1,698	1,703	1,776	1,782	53.9%
FRCST 2025	1,561.587	1,549	1,634	1,622	59.4%	1,708	1,717	1,787	1,796	54.0%
FRCST 2026	1,570.989	1,562	1,644	1,635	59.5%	1,719	1,731	1,798	1,811	54.0%
FRCST 2027	1,581.373	1,574	1,655	1,648	59.5%	1,730	1,745	1,811	1,825	53.9%
FRCST 2028	1,593.858	1,587	1,668	1,661	59.3%	1,744	1,759	1,825	1,840	53.7%
FRCST 2029	1,605.914	1,600	1,681	1,675	59.4%	1,757	1,773	1,839	1,855	53.8%
FRCST 2030	1,617.643	1,613	1,693	1,688	59.4%	1,770	1,787	1,852	1,870	53.8%
FRCST 2031	1,629.454	1,626	1,706	1,702	59.4%	1,783	1,802	1,866	1,885	53.7%
FRCST 2032	1,642.229	1,640	1,719	1,716	59.2%	1,797	1,817	1,880	1,901	53.5%
FRCST 2033	1,646.747	1,645	1,724	1,722	59.3%	1,801	1,822	1,885	1,906	53.6%
FRCST 2034	1,653.739	1,653	1,731	1,730	59.3%	1,809	1,830	1,892	1,915	53.6%
FRCST 2035	1,660.678	1,661	1,738	1,739	59.3%	1,816	1,838	1,900	1,924	53.6%
FRCST 2036	1,673.905	1,676	1,752	1,754	59.1%	1,830	1,854	1,915	1,940	53.4%

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					
HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					
TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	Without Losses (% Chg)		With Losses (% Chg)		H.E. ANNUAL NON-COIN. LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%
2010 -2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%
2016 -2021	1.21%	1.52%	1.18%	1.49%	58.97%	1.14%	1.23%	1.11%	1.20%	53.90%
2021 -2026	0.55%	0.96%	0.55%	0.97%	59.25%	0.57%	0.77%	0.57%	0.77%	54.05%
2026 -2031	0.73%	0.81%	0.73%	0.81%	59.39%	0.74%	0.80%	0.74%	0.80%	53.82%
2031 -2036	0.54%	0.60%	0.54%	0.60%	59.26%	0.52%	0.58%	0.52%	0.58%	53.58%
2005 -2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%
2016 -2036	0.76%	0.97%	0.75%	0.97%	59.21%	0.74%	0.85%	0.74%	0.84%	53.83%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					
**** EXTREME TEMPERATURE CONDITIONS ****						**** EXTREME TEMPERATURE CONDITIONS ****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)						HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)					
COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)						NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)					
YEAR	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due to EXTREME COINCIDENT PEAK	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due To EXTREME NON-COIN. PEAK	
ACTUAL 2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
FRCST 2016	1,602	1,534	1,679	1,608	52.9%	1,753	1,733	1,837	1,815	48.4%	
FRCST 2017	1,653	1,589	1,731	1,663	52.4%	1,796	1,770	1,879	1,852	48.3%	
FRCST 2018	1,658	1,598	1,736	1,672	52.9%	1,813	1,791	1,897	1,874	48.4%	
FRCST 2019	1,677	1,618	1,755	1,693	52.9%	1,834	1,814	1,919	1,898	48.4%	
FRCST 2020	1,693	1,638	1,772	1,714	52.7%	1,850	1,833	1,935	1,918	48.3%	
FRCST 2021	1,708	1,656	1,788	1,733	52.8%	1,865	1,851	1,951	1,937	48.4%	
FRCST 2022	1,721	1,688	1,802	1,767	52.8%	1,879	1,869	1,966	1,955	48.4%	
FRCST 2023	1,732	1,701	1,812	1,781	52.8%	1,890	1,883	1,978	1,971	48.4%	
FRCST 2024	1,742	1,715	1,823	1,795	52.7%	1,902	1,898	1,990	1,986	48.3%	
FRCST 2025	1,753	1,729	1,835	1,810	52.9%	1,914	1,914	2,003	2,002	48.5%	
FRCST 2026	1,764	1,743	1,846	1,825	53.0%	1,927	1,930	2,016	2,019	48.4%	
FRCST 2027	1,776	1,757	1,859	1,839	52.9%	1,940	1,945	2,030	2,035	48.4%	
FRCST 2028	1,790	1,771	1,873	1,854	52.8%	1,955	1,961	2,046	2,052	48.2%	
FRCST 2029	1,803	1,785	1,887	1,869	52.9%	1,970	1,976	2,062	2,068	48.3%	
FRCST 2030	1,817	1,800	1,901	1,884	52.9%	1,985	1,992	2,077	2,085	48.2%	
FRCST 2031	1,830	1,815	1,915	1,900	52.9%	1,999	2,009	2,092	2,102	48.2%	
FRCST 2032	1,844	1,830	1,931	1,916	52.7%	2,015	2,025	2,109	2,119	48.0%	
FRCST 2033	1,850	1,836	1,936	1,922	52.8%	2,020	2,031	2,114	2,125	48.1%	
FRCST 2034	1,858	1,845	1,945	1,931	52.8%	2,029	2,040	2,123	2,135	48.1%	
FRCST 2035	1,866	1,854	1,953	1,941	52.8%	2,037	2,050	2,132	2,145	48.0%	
FRCST 2036	1,881	1,871	1,969	1,958	52.6%	2,054	2,068	2,149	2,164	47.9%	

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					
**** EXTREME TEMPERATURE CONDITIONS ****						**** EXTREME TEMPERATURE CONDITIONS ****					
HOOSIER ENERGY COINCIDENT PEAK (60 MIN.)						HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.)					
Without Losses (% Chg)						Without Losses (% Chg)					
With Losses (% Chg)						With Losses (% Chg)					
TIME PERIOD	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR (AVERAGE)	WINTER	SUMMER	WINTER	SUMMER	EXT.NON-COIN H.E. ANNUAL LOAD FACTOR (AVERAGE)	
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2021	1.29%	1.54%	1.26%	1.52%	52.77%	1.24%	1.34%	1.22%	1.31%	48.34%	
2021 -2026	0.64%	1.03%	0.64%	1.03%	52.84%	0.66%	0.83%	0.66%	0.83%	48.39%	
2026 -2031	0.74%	0.81%	0.74%	0.81%	52.89%	0.74%	0.80%	0.74%	0.80%	48.27%	
2031 -2036	0.55%	0.61%	0.55%	0.61%	52.76%	0.54%	0.58%	0.54%	0.58%	48.05%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2036	0.81%	1.00%	0.80%	0.99%	52.80%	0.79%	0.89%	0.79%	0.88%	48.25%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?)

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****							**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****				
**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****							**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****				
Aggregated Member System Data NUMBER OF CONSUMERS							Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	
ACTUAL 2005	257,250	11,810	165	1,573	270,798	3,749,514	774,714	1,484,489	33,634	6,042,351	
ACTUAL 2006	260,854	11,986	169	1,707	274,716	3,856,899	824,354	1,545,582	32,678	6,259,513	
ACTUAL 2007	263,908	12,246	191	1,821	278,166	4,088,777	855,093	1,620,151	34,240	6,598,261	
ACTUAL 2008	265,071	12,166	200	1,833	279,270	4,080,904	856,375	1,630,203	33,209	6,600,691	
ACTUAL 2009	265,137	12,281	192	1,836	279,446	3,904,138	818,798	1,564,440	31,738	6,319,115	
ACTUAL 2010	265,890	12,407	193	1,854	280,344	4,158,334	843,557	1,712,254	33,075	6,747,220	
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163	
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406	
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370	
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169	
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982	
FRCST 2016	283,188	13,899	210	2,936	300,233	4,091,226	958,648	2,062,380	38,923	7,151,178	
FRCST 2017	284,641	14,038	210	2,936	301,825	4,168,072	968,623	2,122,348	38,923	7,297,967	
FRCST 2018	286,184	14,177	208	2,936	303,505	4,223,295	979,893	2,138,086	38,923	7,380,197	
FRCST 2019	287,676	14,316	208	2,936	305,136	4,266,182	992,823	2,166,121	38,923	7,464,049	
FRCST 2020	289,260	14,455	208	2,936	306,859	4,308,852	1,006,520	2,179,218	38,923	7,533,513	
FRCST 2021	290,800	14,594	208	2,936	308,538	4,347,589	1,016,755	2,196,193	38,923	7,599,460	
FRCST 2022	292,438	14,737	206	2,936	310,317	4,384,634	1,025,878	2,201,297	38,923	7,650,733	
FRCST 2023	294,089	14,880	206	2,936	312,111	4,419,482	1,034,960	2,207,162	38,923	7,700,527	
FRCST 2024	295,824	15,023	206	2,936	313,989	4,455,192	1,045,356	2,213,647	38,923	7,753,118	
FRCST 2025	297,514	15,166	206	2,936	315,822	4,489,119	1,059,188	2,219,958	38,923	7,807,188	
FRCST 2026	299,299	15,309	205	2,936	317,749	4,526,742	1,071,223	2,225,712	38,923	7,862,599	
FRCST 2027	301,015	15,469	204	2,936	319,624	4,566,215	1,086,911	2,223,007	38,923	7,915,056	
FRCST 2028	302,789	15,629	204	2,936	321,558	4,608,528	1,102,662	2,223,007	38,923	7,973,119	
FRCST 2029	304,572	15,789	204	2,936	323,501	4,649,772	1,118,478	2,223,007	38,923	8,030,180	
FRCST 2030	306,441	15,949	204	2,936	325,530	4,691,361	1,134,358	2,223,007	38,923	8,087,649	
FRCST 2031	308,264	16,109	204	2,936	327,513	4,732,853	1,150,303	2,223,007	38,923	8,145,086	
FRCST 2032	310,083	16,274	204	2,936	329,497	4,778,073	1,166,551	2,223,007	38,923	8,206,554	
FRCST 2033	311,885	16,439	204	2,936	331,464	4,824,768	1,182,864	2,175,569	38,923	8,222,124	
FRCST 2034	313,783	16,604	204	2,936	333,527	4,875,434	1,199,242	2,139,991	38,923	8,253,590	
FRCST 2035	315,639	16,769	203	2,936	335,547	4,928,776	1,215,689	2,104,413	38,923	8,287,800	
FRCST 2036	317,455	16,934	203	2,936	337,528	4,981,800	1,232,201	2,104,413	38,923	8,357,336	

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****				
Adjusted for Systems -- AGGREGATED NUMBER OF CONSUMERS						Adjusted for Systems -- AGGREGATED ENERGY SALES				
TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	3.87%	2.59%	0.90%
2016 -2021	0.53%	0.98%	-2	0	0.55%	1.22%	1.18%	1.27%	0.00%	1.22%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.81%	1.05%	0.27%	0.00%	0.68%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.02%	0.00%	0.71%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.09%	0.00%	0.52%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.38%	1.12%	1.56%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.99%	1.26%	0.10%	0.00%	0.78%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITHOUT LOSSES)		HE COINCIDENT 60 MINUTE DEMAND (MW) (WITH LOSSES)		ANNUAL LOAD FACTOR
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%
ACTUAL 2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%
ACTUAL 2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%
ACTUAL 2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%
ACTUAL 2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%
ACTUAL 2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%
ACTUAL 2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%
ACTUAL 2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%
ACTUAL 2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%
ACTUAL 2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%
ACTUAL 2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%
FRCST 2016	7,466,636	7,801,210	1,444	1,384	1,440	1,381	1,509	1,447	58.9%
FRCST 2017	7,620,138	7,947,089	1,475	1,429	1,471	1,425	1,539	1,491	58.9%
FRCST 2018	7,705,926	8,036,639	1,489	1,440	1,485	1,437	1,554	1,504	59.0%
FRCST 2019	7,793,743	8,128,306	1,506	1,458	1,501	1,454	1,571	1,522	59.1%
FRCST 2020	7,866,367	8,204,114	1,520	1,476	1,515	1,472	1,586	1,541	58.9%
FRCST 2021	7,935,280	8,276,048	1,533	1,493	1,529	1,489	1,600	1,558	59.1%
FRCST 2022	7,988,928	8,332,048	1,540	1,517	1,535	1,513	1,607	1,584	59.2%
FRCST 2023	8,041,024	8,386,428	1,548	1,529	1,544	1,525	1,616	1,596	59.3%
FRCST 2024	8,096,003	8,443,818	1,557	1,541	1,553	1,537	1,625	1,608	59.2%
FRCST 2025	8,152,566	8,502,860	1,566	1,554	1,562	1,549	1,634	1,622	59.4%
FRCST 2026	8,210,520	8,563,355	1,576	1,566	1,571	1,562	1,644	1,635	59.5%
FRCST 2027	8,264,878	8,620,096	1,586	1,578	1,581	1,574	1,655	1,648	59.5%
FRCST 2028	8,325,628	8,683,509	1,598	1,591	1,594	1,587	1,668	1,661	59.3%
FRCST 2029	8,385,341	8,745,840	1,611	1,604	1,606	1,600	1,681	1,675	59.4%
FRCST 2030	8,445,480	8,808,615	1,622	1,617	1,618	1,613	1,693	1,688	59.4%
FRCST 2031	8,505,591	8,871,362	1,634	1,631	1,629	1,626	1,706	1,702	59.4%
FRCST 2032	8,569,911	8,938,502	1,647	1,644	1,642	1,640	1,719	1,716	59.2%
FRCST 2033	8,586,663	8,955,988	1,652	1,649	1,647	1,645	1,724	1,722	59.3%
FRCST 2034	8,619,932	8,990,716	1,659	1,658	1,654	1,653	1,731	1,730	59.3%
FRCST 2035	8,656,104	9,028,474	1,666	1,666	1,661	1,661	1,738	1,739	59.3%
FRCST 2036	8,728,916	9,104,478	1,679	1,680	1,674	1,676	1,752	1,754	59.1%

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD	Adjusted for Systems ENERGY PURCHASED (% CHG.)		Adjusted for Systems ENERGY GENERATED (% CHG.)		Adjusted for Systems AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG.)		Adjusted for Systems - HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		Adjusted for Systems - HE COIN. 60 MINUTE DEMAND With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%		
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%		
2016 -2021	1.22%	1.19%	1.21%	1.52%	1.21%	1.52%	1.18%	1.49%	58.97%		
2021 -2026	0.68%	0.68%	0.55%	0.96%	0.55%	0.96%	0.55%	0.97%	59.25%		
2026 -2031	0.71%	0.71%	0.73%	0.81%	0.73%	0.81%	0.73%	0.81%	59.39%		
2031 -2036	0.52%	0.52%	0.54%	0.60%	0.54%	0.60%	0.54%	0.60%	59.26%		
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%		
2016 -2036	0.78%	0.78%	0.76%	0.97%	0.76%	0.97%	0.75%	0.97%	59.21%		

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,602	1,534	1,679	1,608	52.9%
FRCST 2017	1,653	1,589	1,731	1,663	52.4%
FRCST 2018	1,658	1,598	1,736	1,672	52.9%
FRCST 2019	1,677	1,618	1,755	1,693	52.9%
FRCST 2020	1,693	1,638	1,772	1,714	52.7%
FRCST 2021	1,708	1,656	1,788	1,733	52.8%
FRCST 2022	1,721	1,688	1,802	1,767	52.8%
FRCST 2023	1,732	1,701	1,812	1,781	52.8%
FRCST 2024	1,742	1,715	1,823	1,795	52.7%
FRCST 2025	1,753	1,729	1,835	1,810	52.9%
FRCST 2026	1,764	1,743	1,846	1,825	53.0%
FRCST 2027	1,776	1,757	1,859	1,839	52.9%
FRCST 2028	1,790	1,771	1,873	1,854	52.8%
FRCST 2029	1,803	1,785	1,887	1,869	52.9%
FRCST 2030	1,817	1,800	1,901	1,884	52.9%
FRCST 2031	1,830	1,815	1,915	1,900	52.9%
FRCST 2032	1,844	1,830	1,931	1,916	52.7%
FRCST 2033	1,850	1,836	1,936	1,922	52.8%
FRCST 2034	1,858	1,845	1,945	1,931	52.8%
FRCST 2035	1,866	1,854	1,953	1,941	52.8%
FRCST 2036	1,881	1,871	1,969	1,958	52.6%

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND

Without Losses (% Chg) With Losses (% Chg)

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	1.29%	1.54%	1.26%	1.52%	52.77%
2021 -2026	0.64%	1.03%	0.64%	1.03%	52.84%
2026 -2031	0.74%	0.81%	0.74%	0.81%	52.89%
2031 -2036	0.55%	0.61%	0.55%	0.61%	52.76%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.81%	1.00%	0.80%	0.99%	52.80%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Aggregated Member System Data

Aggregated Member System Data

NUMBER OF CONSUMERS

SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,568	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,077,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	283,188	13,899	209	2,936	300,232	4,091,226	958,648	1,899,855	38,923	6,988,653
FRCST 2017	284,641	14,038	209	2,936	301,824	4,168,072	968,623	1,959,823	38,923	7,135,442
FRCST 2018	286,184	14,177	207	2,936	303,504	4,223,295	979,893	1,975,561	38,923	7,217,672
FRCST 2019	287,676	14,316	207	2,936	305,135	4,266,182	992,823	2,003,596	38,923	7,301,524
FRCST 2020	289,260	14,455	207	2,936	306,858	4,308,852	1,006,520	2,016,693	38,923	7,370,988
FRCST 2021	290,800	14,594	207	2,936	308,537	4,347,589	1,016,755	2,033,668	38,923	7,436,936
FRCST 2022	292,438	14,737	205	2,936	310,316	4,384,634	1,025,878	2,038,772	38,923	7,488,208
FRCST 2023	294,089	14,880	205	2,936	312,110	4,419,482	1,034,960	2,044,637	38,923	7,538,002
FRCST 2024	295,824	15,023	205	2,936	313,988	4,455,192	1,045,356	2,051,122	38,923	7,590,594
FRCST 2025	297,514	15,166	205	2,936	315,821	4,489,119	1,059,188	2,057,433	38,923	7,644,663
FRCST 2026	299,299	15,309	204	2,936	317,748	4,526,742	1,071,223	2,063,187	38,923	7,700,075
FRCST 2027	301,015	15,469	203	2,936	319,623	4,566,215	1,086,911	2,060,482	38,923	7,752,532
FRCST 2028	302,789	15,629	203	2,936	321,557	4,608,528	1,102,662	2,060,482	38,923	7,810,595
FRCST 2029	304,572	15,789	203	2,936	323,500	4,649,772	1,118,478	2,060,482	38,923	7,867,655
FRCST 2030	306,441	15,949	203	2,936	325,529	4,691,361	1,134,358	2,060,482	38,923	7,925,124
FRCST 2031	308,264	16,109	203	2,936	327,512	4,732,853	1,150,303	2,060,482	38,923	7,982,561
FRCST 2032	310,083	16,274	203	2,936	329,496	4,778,073	1,166,551	2,060,482	38,923	8,044,029
FRCST 2033	311,885	16,439	203	2,936	331,463	4,824,768	1,182,864	2,013,044	38,923	8,059,599
FRCST 2034	313,783	16,604	203	2,936	333,526	4,875,434	1,199,242	1,977,466	38,923	8,091,065
FRCST 2035	315,639	16,769	202	2,936	335,546	4,928,776	1,215,689	1,941,888	38,923	8,125,276
FRCST 2036	317,455	16,934	202	2,936	337,527	4,981,800	1,232,201	1,941,888	38,923	8,194,812

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Adjusted for Systems & Ind. -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind. -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.53%	0.98%	-2	0	0.55%	1.22%	1.18%	1.37%	0.00%	1.25%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.81%	1.05%	0.29%	0.00%	0.70%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.03%	0.00%	0.72%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.18%	0.00%	0.53%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.99%	1.26%	0.11%	0.00%	0.80%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITH LOSSES)		ANNUAL LOAD FACTOR
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
			ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,188,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	7,304,111	7,638,685	1,428	1,369	1,424	1,365	1,493	1,432	58.2%
FRCST 2017	7,457,613	7,784,565	1,460	1,413	1,455	1,410	1,524	1,476	58.3%
FRCST 2018	7,543,401	7,874,114	1,474	1,425	1,470	1,421	1,539	1,488	58.4%
FRCST 2019	7,631,219	7,965,782	1,490	1,443	1,486	1,439	1,556	1,507	58.4%
FRCST 2020	7,703,842	8,041,589	1,504	1,461	1,500	1,457	1,571	1,526	58.3%
FRCST 2021	7,772,755	8,113,523	1,518	1,478	1,513	1,474	1,584	1,543	58.5%
FRCST 2022	7,826,403	8,169,523	1,524	1,502	1,520	1,498	1,591	1,568	58.6%
FRCST 2023	7,878,499	8,223,903	1,533	1,514	1,528	1,509	1,600	1,581	58.7%
FRCST 2024	7,933,479	8,281,293	1,542	1,526	1,537	1,521	1,610	1,593	58.6%
FRCST 2025	7,990,041	8,340,335	1,551	1,538	1,546	1,534	1,619	1,606	58.8%
FRCST 2026	8,047,995	8,400,830	1,560	1,551	1,556	1,547	1,629	1,620	58.9%
FRCST 2027	8,102,353	8,457,571	1,571	1,563	1,566	1,559	1,640	1,632	58.9%
FRCST 2028	8,163,103	8,520,984	1,583	1,576	1,579	1,572	1,653	1,646	58.7%
FRCST 2029	8,222,816	8,583,315	1,595	1,589	1,591	1,585	1,666	1,659	58.8%
FRCST 2030	8,282,955	8,646,091	1,607	1,602	1,602	1,598	1,678	1,673	58.8%
FRCST 2031	8,343,066	8,708,837	1,619	1,615	1,614	1,611	1,690	1,687	58.8%
FRCST 2032	8,407,386	8,775,978	1,632	1,629	1,627	1,624	1,704	1,701	58.6%
FRCST 2033	8,424,138	8,793,464	1,636	1,634	1,631	1,630	1,708	1,706	58.8%
FRCST 2034	8,457,407	8,828,191	1,643	1,642	1,638	1,638	1,716	1,715	58.7%
FRCST 2035	8,493,580	8,865,949	1,650	1,650	1,645	1,646	1,723	1,723	58.7%
FRCST 2036	8,566,391	8,941,953	1,663	1,665	1,659	1,660	1,737	1,738	58.6%

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD	Adjusted for Systems & Ind ENERGY PURCHASED (% CHG.)	Adjusted for Systems & Ind ENERGY GENERATED (% CHG.)	Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.28%	2.37%	2.96%	1.02%	3.32%	1.14%	3.37%	1.10%	54.92%
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	1.25%	1.21%	1.22%	1.54%	1.22%	1.54%	1.19%	1.51%	58.36%
2021 -2026	0.70%	0.70%	0.55%	0.97%	0.55%	0.97%	0.55%	0.97%	58.66%
2026 -2031	0.72%	0.72%	0.74%	0.81%	0.74%	0.81%	0.74%	0.81%	58.82%
2031 -2036	0.53%	0.53%	0.54%	0.61%	0.54%	0.61%	0.54%	0.61%	58.71%

2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	0.80%	0.79%	0.76%	0.98%	0.76%	0.98%	0.76%	0.98%	58.63%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,587	1,519	1,664	1,592	52.3%
FRCST 2017	1,638	1,574	1,715	1,648	51.8%
FRCST 2018	1,643	1,582	1,720	1,657	52.2%
FRCST 2019	1,662	1,603	1,740	1,678	52.3%
FRCST 2020	1,678	1,622	1,757	1,699	52.1%
FRCST 2021	1,693	1,641	1,772	1,718	52.3%
FRCST 2022	1,706	1,673	1,786	1,752	52.2%
FRCST 2023	1,716	1,686	1,797	1,765	52.2%
FRCST 2024	1,727	1,700	1,808	1,780	52.1%
FRCST 2025	1,737	1,714	1,819	1,794	52.3%
FRCST 2026	1,748	1,728	1,831	1,809	52.4%
FRCST 2027	1,760	1,741	1,843	1,823	52.4%
FRCST 2028	1,774	1,756	1,858	1,839	52.2%
FRCST 2029	1,788	1,770	1,872	1,854	52.3%
FRCST 2030	1,801	1,785	1,886	1,869	52.3%
FRCST 2031	1,815	1,799	1,900	1,884	52.3%
FRCST 2032	1,829	1,815	1,915	1,900	52.2%
FRCST 2033	1,834	1,821	1,921	1,906	52.3%
FRCST 2034	1,842	1,830	1,929	1,916	52.2%
FRCST 2035	1,851	1,839	1,938	1,926	52.2%
FRCST 2036	1,866	1,855	1,954	1,943	52.1%

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	1.30%	1.56%	1.28%	1.53%	52.16%
2021 -2026	0.65%	1.04%	0.65%	1.04%	52.26%
2026 -2031	0.75%	0.81%	0.75%	0.81%	52.33%
2031 -2036	0.56%	0.61%	0.56%	0.61%	52.22%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.81%	1.01%	0.81%	1.00%	52.23%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?)

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****				**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****					
YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)		
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER	
ACTUAL 2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0	
ACTUAL 2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0	
ACTUAL 2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0	
ACTUAL 2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0	
ACTUAL 2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0	
ACTUAL 2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0	
ACTUAL 2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0	
ACTUAL 2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0	
ACTUAL 2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0	
ACTUAL 2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0	
ACTUAL 2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0	
FRCST 2016	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2017	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2018	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2019	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2020	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2021	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2022	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2023	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2024	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2025	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2026	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2027	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2028	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2029	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2030	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2031	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2032	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2033	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2034	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2035	99.71%	99.72%	100.0%	0	0	100.0%	0	0	
FRCST 2036	99.71%	99.72%	100.0%	0	0	100.0%	0	0	

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****			**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****		
TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)				
	WINTER (AVERAGE)	SUMMER (AVERAGE)			
2005 -2010	98.42%	99.15%			
2010 -2015	99.50%	99.68%			
2016 -2021	99.71%	99.72%			
2021 -2026	99.71%	99.72%			
2026 -2031	99.71%	99.72%			
2031 -2036	99.71%	99.72%			
2005 -2015	98.94%	99.41%			
2016 -2036	99.71%	99.72%			

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

YEAR	PERCENTAGE of IN #92 Served by H.E.	IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.	IL #2 served by H.E. (Yes=0 , No= 1)	
		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	51.0%	1	0	0.0%	1	1
ACTUAL 2006	100.0%	0	0	0.0%	1	1
ACTUAL 2007	100.0%	0	0	0.0%	1	1
ACTUAL 2008	100.0%	0	0	0.0%	1	1
ACTUAL 2009	100.0%	0	0	0.0%	1	1
ACTUAL 2010	100.0%	0	0	0.0%	1	1
ACTUAL 2011	100.0%	0	0	100.0%	0	0
ACTUAL 2012	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.0%	0	0	100.0%	0	0
ACTUAL 2014	100.0%	0	0	100.0%	0	0
ACTUAL 2015	100.0%	0	0	100.0%	0	0
FRCST 2016	100.0%	0	0	100.0%	0	0
FRCST 2017	100.0%	0	0	100.0%	0	0
FRCST 2018	100.0%	0	0	100.0%	0	0
FRCST 2019	100.0%	0	0	100.0%	0	0
FRCST 2020	100.0%	0	0	100.0%	0	0
FRCST 2021	100.0%	0	0	100.0%	0	0
FRCST 2022	100.0%	0	0	100.0%	0	0
FRCST 2023	100.0%	0	0	100.0%	0	0
FRCST 2024	100.0%	0	0	100.0%	0	0
FRCST 2025	100.0%	0	0	100.0%	0	0
FRCST 2026	100.0%	0	0	100.0%	0	0
FRCST 2027	100.0%	0	0	100.0%	0	0
FRCST 2028	100.0%	0	0	100.0%	0	0
FRCST 2029	100.0%	0	0	100.0%	0	0
FRCST 2030	100.0%	0	0	100.0%	0	0
FRCST 2031	100.0%	0	0	100.0%	0	0
FRCST 2032	100.0%	0	0	100.0%	0	0
FRCST 2033	100.0%	0	0	100.0%	0	0
FRCST 2034	100.0%	0	0	100.0%	0	0
FRCST 2035	100.0%	0	0	100.0%	0	0
FRCST 2036	100.0%	0	0	100.0%	0	0

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

YEAR	DSM EE Program Energy Impact				DSM Demand Impacts-- Both EE & DR Programs Coincident 60 Minute Demand MW				
	Aggregated Total Member Energy Purchased	Percent of Total Purchases w/o DSM	Total Member Energy Generated	Percent of Total Generated w/o DSM	Savings w/o Losses		Savings with Losses		
	Savings MWH		Savings MWH		Winter	Summer	Winter	Summer	
ACTUAL	2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2009	25,159	0.4%	26,189	0.4%	8.978	3.703	9.436	3.892
ACTUAL	2010	49,468	0.7%	51,663	0.7%	20.610	10.725	21.633	11.257
ACTUAL	2011	81,677	1.2%	85,143	1.2%	32.274	17.657	33.686	18.429
ACTUAL	2012	103,470	1.5%	107,053	1.5%	40.343	23.563	41.924	24.487
ACTUAL	2013	125,031	1.7%	128,352	1.7%	46.802	17.811	48.342	18.397
ACTUAL	2014	144,763	1.9%	149,549	1.9%	52.425	32.103	54.265	33.229
ACTUAL	2015	164,860	2.2%	171,568	2.2%	64.045	26.789	66.824	27.952
FRCST	2016	194,406	2.6%	203,311	2.6%	73.329	45.453	76.889	47.660
FRCST	2017	184,468	2.4%	192,555	2.4%	66.028	42.103	69.140	44.087
FRCST	2018	194,268	2.5%	202,785	2.5%	69.365	43.704	72.634	45.763
FRCST	2019	207,146	2.6%	216,227	2.6%	73.411	45.300	76.870	47.435
FRCST	2020	219,768	2.8%	229,403	2.8%	76.119	44.179	79.706	46.261
FRCST	2021	233,084	2.9%	243,302	2.9%	79.062	43.411	82.787	45.456
FRCST	2022	246,750	3.1%	257,568	3.1%	82.886	43.832	86.792	45.897
FRCST	2023	261,151	3.2%	272,600	3.2%	87.480	45.304	91.602	47.439
FRCST	2024	274,544	3.3%	286,581	3.3%	92.227	46.678	96.573	48.878
FRCST	2025	284,596	3.4%	297,073	3.4%	96.562	47.268	101.112	49.495
FRCST	2026	296,138	3.5%	309,121	3.5%	101.009	48.155	105.769	50.425
FRCST	2027	300,584	3.6%	313,762	3.6%	102.416	47.741	107.242	49.991
FRCST	2028	303,569	3.6%	316,878	3.6%	102.639	47.370	107.475	49.602
FRCST	2029	307,784	3.6%	321,278	3.6%	103.331	47.164	108.201	49.386
FRCST	2030	312,901	3.6%	326,619	3.6%	104.584	46.875	109.512	49.083
FRCST	2031	317,642	3.7%	331,568	3.7%	105.702	46.531	110.682	48.723
FRCST	2032	321,964	3.7%	336,079	3.7%	106.703	46.375	111.731	48.560
FRCST	2033	327,467	3.7%	341,824	3.7%	108.111	46.843	113.205	49.050
FRCST	2034	332,377	3.8%	346,949	3.8%	109.870	47.240	115.047	49.466
FRCST	2035	335,764	3.8%	350,484	3.8%	112.006	47.961	117.284	50.220
FRCST	2036	340,292	3.8%	355,211	3.8%	114.364	48.712	119.753	51.008

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

		DSM -- EE Program Demand Impacts Coincident 60 Minute Demand MW				DSM -- DR Program Demand Impacts Coincident 60 Minute Demand MW			
YEAR		Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
		Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL	2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL	2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL	2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL	2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL	2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL	2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL	2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL	2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL	2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL	2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL	2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST	2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST	2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST	2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST	2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST	2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.352
FRCST	2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST	2022	77.714	35.202	81.376	36.860	5.172	8.630	5.416	9.037
FRCST	2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST	2024	86.888	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST	2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST	2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST	2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST	2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST	2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST	2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST	2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST	2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST	2033	101.231	36.834	106.002	38.569	6.879	10.009	7.203	10.480
FRCST	2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST	2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST	2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE UPPER NORMAL SCENARIO WITH DSM IMPACTS ****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
<hr/>				
FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

Appendix A2

Historical/Forecast Annual Load Summary - Base Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Aggregated Member System Data NUMBER OF CONSUMERS						Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	4,043,538	958,648	2,062,380	38,923	7,103,490
FRCST 2017	284,641	14,038	210	2,936	301,825	4,094,124	968,623	2,122,348	38,923	7,224,019
FRCST 2018	286,184	14,177	208	2,936	303,505	4,134,464	979,893	2,138,086	38,923	7,291,366
FRCST 2019	287,676	14,316	208	2,936	305,136	4,168,713	992,823	2,166,121	38,923	7,366,580
FRCST 2020	289,260	14,455	208	2,936	306,859	4,206,020	1,006,520	2,179,218	38,923	7,430,681
FRCST 2021	290,800	14,594	208	2,936	308,538	4,241,262	1,016,755	2,196,193	38,923	7,493,133
FRCST 2022	292,438	14,737	206	2,936	310,317	4,275,819	1,025,878	2,201,297	38,923	7,541,918
FRCST 2023	294,089	14,880	206	2,936	312,111	4,308,779	1,034,960	2,207,162	38,923	7,589,824
FRCST 2024	295,824	15,023	206	2,936	313,989	4,342,897	1,045,356	2,213,647	38,923	7,640,823
FRCST 2025	297,514	15,166	206	2,936	315,822	4,375,453	1,059,188	2,219,958	38,923	7,693,522
FRCST 2026	299,299	15,309	205	2,936	317,749	4,411,731	1,071,223	2,225,712	38,923	7,747,588
FRCST 2027	301,015	15,469	204	2,936	319,624	4,449,964	1,086,911	2,223,007	38,923	7,798,805
FRCST 2028	302,789	15,629	204	2,936	321,558	4,491,043	1,102,662	2,223,007	38,923	7,855,634
FRCST 2029	304,572	15,789	204	2,936	323,501	4,531,081	1,118,478	2,223,007	38,923	7,911,489
FRCST 2030	306,441	15,949	204	2,936	325,530	4,571,461	1,134,358	2,223,007	38,923	7,967,749
FRCST 2031	308,264	16,109	204	2,936	327,513	4,611,766	1,150,303	2,223,007	38,923	8,023,999
FRCST 2032	310,083	16,274	204	2,936	329,497	4,655,717	1,166,551	2,223,007	38,923	8,084,198
FRCST 2033	311,885	16,439	204	2,936	331,464	4,701,089	1,182,864	2,175,569	38,923	8,098,445
FRCST 2034	313,783	16,604	204	2,936	333,527	4,750,357	1,199,242	2,139,991	38,923	8,128,513
FRCST 2035	315,639	16,769	203	2,936	335,547	4,802,268	1,215,689	2,104,413	38,923	8,161,292
FRCST 2036	317,455	16,934	203	2,936	337,528	4,853,849	1,232,201	2,104,413	38,923	8,229,385

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.53%	0.98%	-2	0	0.55%	0.96%	1.18%	1.27%	0.00%	1.07%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.79%	1.05%	0.27%	0.00%	0.67%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.02%	0.00%	0.70%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.09%	0.00%	0.51%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.92%	1.26%	0.10%	0.00%	0.74%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****			
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED for H.E. MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)	
						WINTER	SUMMER	WINTER	SUMMER
ACTUAL 2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392
ACTUAL 2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405
ACTUAL 2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421
ACTUAL 2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317
ACTUAL 2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306
ACTUAL 2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462
ACTUAL 2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441
ACTUAL 2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,425	1,631	1,278	1,478
ACTUAL 2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351
ACTUAL 2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348
ACTUAL 2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363
FRCST 2016	7,416,649	7,748,934	4.38%	4.63%	75.500	1,573	1,561	1,434	1,375
FRCST 2017	7,542,621	7,866,175	4.20%	4.50%	75.760	1,594	1,577	1,459	1,414
FRCST 2018	7,612,806	7,939,437	4.20%	4.50%	76.830	1,610	1,597	1,470	1,422
FRCST 2019	7,691,567	8,021,651	4.20%	4.50%	77.430	1,626	1,615	1,484	1,439
FRCST 2020	7,758,568	8,091,589	4.20%	4.50%	76.540	1,639	1,631	1,497	1,455
FRCST 2021	7,823,817	8,159,698	4.20%	4.50%	76.800	1,651	1,647	1,510	1,471
FRCST 2022	7,874,857	8,212,976	4.20%	4.50%	78.340	1,657	1,657	1,516	1,495
FRCST 2023	7,924,975	8,265,291	4.20%	4.50%	79.910	1,667	1,670	1,524	1,506
FRCST 2024	7,978,288	8,320,941	4.20%	4.50%	81.510	1,676	1,683	1,533	1,518
FRCST 2025	8,033,414	8,378,484	4.20%	4.50%	83.140	1,687	1,696	1,541	1,530
FRCST 2026	8,089,961	8,437,510	4.20%	4.50%	84.800	1,697	1,710	1,551	1,543
FRCST 2027	8,143,026	8,492,902	4.20%	4.50%	86.500	1,708	1,723	1,561	1,555
FRCST 2028	8,202,484	8,554,966	4.20%	4.50%	88.230	1,722	1,737	1,573	1,567
FRCST 2029	8,260,935	8,615,980	4.20%	4.50%	89.990	1,735	1,751	1,585	1,580
FRCST 2030	8,319,808	8,677,434	4.20%	4.50%	91.790	1,747	1,765	1,596	1,593
FRCST 2031	8,378,676	8,738,884	4.20%	4.50%	93.630	1,760	1,780	1,608	1,606
FRCST 2032	8,441,669	8,804,637	4.20%	4.50%	93.630	1,774	1,794	1,621	1,619
FRCST 2033	8,457,035	8,820,677	4.20%	4.50%	93.630	1,778	1,799	1,625	1,624
FRCST 2034	8,488,840	8,853,877	4.20%	4.50%	93.630	1,785	1,807	1,631	1,632
FRCST 2035	8,523,514	8,890,071	4.20%	4.50%	93.630	1,792	1,815	1,638	1,640
FRCST 2036	8,594,814	8,964,497	4.20%	4.50%	93.630	1,806	1,831	1,651	1,654

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****			
TIME PERIOD	AGGREGATED TOTAL ENERGY PURCHASED FOR MEMBERS (% CHG.)	H.E. ENERGY GENERATED (% CHG.)	AVG. MONTHLY LOSS FACTORS due to MEMBERS (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
			ENERGY	DEMAND		Non-Coincident (% Chg)		Coincident (% Chg)	
						WINTER	SUMMER	WINTER	SUMMER
2005 -2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%
2010 -2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%
2016 -2021	1.07%	1.04%	4.23%	4.52%	0.34%	0.98%	1.07%	1.04%	1.36%
2021 -2026	0.67%	0.67%	4.20%	4.50%	2.00%	0.55%	0.76%	0.53%	0.95%
2026 -2031	0.70%	0.70%	4.20%	4.50%	2.00%	0.73%	0.80%	0.73%	0.80%
2031 -2036	0.51%	0.51%	4.20%	4.50%	0.00%	0.52%	0.57%	0.53%	0.59%
2005 -2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%
2016 -2036	0.74%	0.73%	4.21%	4.51%	1.08%	0.69%	0.80%	0.71%	0.93%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW)					H.E. ANNUAL LOAD FACTOR Due To COINCIDENT PEAK	HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW)					H.E. ANNUAL LOAD FACTOR Due To NON-COIN. PEAK
YEAR	(All values are estimated 60 minute values) (WITHOUT LOSSES)		(WITH LOSSES)			(All values are estimated 60 minute values) (WITHOUT LOSSES)		(WITH LOSSES)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL	2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%
ACTUAL	2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%
ACTUAL	2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%
ACTUAL	2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%
ACTUAL	2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%
ACTUAL	2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%
ACTUAL	2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%
ACTUAL	2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%
ACTUAL	2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.6%
ACTUAL	2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%
ACTUAL	2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%
FRCST	2016	1,429	1,371	1,498	1,437	58.9%	1,568	1,557	1,643	1,631	53.7%
FRCST	2017	1,455	1,410	1,523	1,476	59.0%	1,590	1,573	1,663	1,646	54.0%
FRCST	2018	1,466	1,419	1,534	1,485	59.1%	1,605	1,593	1,679	1,666	54.0%
FRCST	2019	1,480	1,435	1,549	1,502	59.1%	1,621	1,611	1,696	1,685	54.0%
FRCST	2020	1,493	1,451	1,563	1,519	58.9%	1,634	1,627	1,709	1,702	53.9%
FRCST	2021	1,505	1,467	1,576	1,536	59.1%	1,646	1,642	1,723	1,718	54.1%
FRCST	2022	1,512	1,491	1,582	1,560	59.3%	1,653	1,653	1,729	1,729	54.2%
FRCST	2023	1,520	1,502	1,591	1,572	59.3%	1,662	1,665	1,739	1,742	54.2%
FRCST	2024	1,528	1,514	1,600	1,584	59.2%	1,672	1,678	1,749	1,756	54.0%
FRCST	2025	1,537	1,526	1,609	1,597	59.5%	1,682	1,691	1,760	1,770	54.0%
FRCST	2026	1,546	1,539	1,618	1,610	59.5%	1,692	1,706	1,771	1,785	54.0%
FRCST	2027	1,556	1,550	1,629	1,623	59.5%	1,703	1,719	1,782	1,798	53.9%
FRCST	2028	1,568	1,563	1,642	1,636	59.3%	1,717	1,733	1,796	1,813	53.7%
FRCST	2029	1,580	1,576	1,654	1,649	59.5%	1,730	1,746	1,810	1,827	53.8%
FRCST	2030	1,592	1,588	1,666	1,663	59.5%	1,742	1,761	1,823	1,842	53.8%
FRCST	2031	1,603	1,601	1,678	1,676	59.4%	1,755	1,775	1,836	1,857	53.7%
FRCST	2032	1,616	1,615	1,691	1,690	59.3%	1,769	1,790	1,851	1,873	53.5%
FRCST	2033	1,620	1,620	1,696	1,695	59.4%	1,773	1,794	1,855	1,877	53.6%
FRCST	2034	1,627	1,627	1,703	1,703	59.3%	1,780	1,802	1,862	1,886	53.6%
FRCST	2035	1,633	1,635	1,710	1,711	59.3%	1,787	1,810	1,869	1,894	53.6%
FRCST	2036	1,646	1,649	1,723	1,726	59.1%	1,801	1,826	1,884	1,911	53.4%

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****					
TIME PERIOD	HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				H.E. ANNUAL NON-COIN. LOAD FACTOR (AVERAGE)	
	Without Losses (% Chg)		With Losses (% Chg)			Without Losses (% Chg)		With Losses (% Chg)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
2005 -2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%	
2010 -2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%	
2016 -2021	1.04%	1.36%	1.02%	1.34%	59.02%	0.98%	1.07%	0.95%	1.05%	53.93%	
2021 -2026	0.53%	0.95%	0.54%	0.95%	59.31%	0.55%	0.76%	0.55%	0.76%	54.07%	
2026 -2031	0.73%	0.80%	0.73%	0.80%	59.46%	0.73%	0.80%	0.73%	0.80%	53.82%	
2031 -2036	0.53%	0.59%	0.53%	0.59%	59.31%	0.52%	0.57%	0.52%	0.57%	53.58%	
2005 -2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%	
2016 -2036	0.71%	0.93%	0.70%	0.92%	59.26%	0.69%	0.80%	0.69%	0.79%	53.84%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****					
**** EXTREME TEMPERATURE CONDITIONS ****						**** EXTREME TEMPERATURE CONDITIONS ****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)						HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)					
COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)						NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)					
YEAR	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due to EXTREME COINCIDENT PEAK	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due To EXTREME NON-COIN. PEAK	
ACTUAL 2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
FRCST 2016	1,590	1,523	1,667	1,596	52.9%	1,741	1,721	1,824	1,803	48.4%	
FRCST 2017	1,635	1,572	1,712	1,646	52.5%	1,776	1,752	1,859	1,833	48.3%	
FRCST 2018	1,637	1,578	1,713	1,651	52.9%	1,790	1,769	1,873	1,851	48.4%	
FRCST 2019	1,653	1,596	1,730	1,670	52.9%	1,808	1,790	1,892	1,873	48.4%	
FRCST 2020	1,668	1,614	1,746	1,690	52.8%	1,823	1,808	1,907	1,892	48.3%	
FRCST 2021	1,682	1,632	1,761	1,708	52.9%	1,837	1,825	1,922	1,910	48.5%	
FRCST 2022	1,695	1,663	1,774	1,741	52.8%	1,851	1,842	1,936	1,927	48.4%	
FRCST 2023	1,705	1,676	1,784	1,754	52.9%	1,861	1,856	1,948	1,942	48.4%	
FRCST 2024	1,715	1,689	1,795	1,768	52.8%	1,873	1,870	1,960	1,957	48.3%	
FRCST 2025	1,725	1,703	1,806	1,782	53.0%	1,885	1,885	1,972	1,973	48.5%	
FRCST 2026	1,736	1,717	1,817	1,797	53.0%	1,897	1,901	1,985	1,989	48.4%	
FRCST 2027	1,747	1,730	1,829	1,811	53.0%	1,910	1,916	1,998	2,005	48.4%	
FRCST 2028	1,761	1,744	1,843	1,826	52.8%	1,925	1,931	2,014	2,021	48.2%	
FRCST 2029	1,774	1,758	1,857	1,840	53.0%	1,939	1,947	2,029	2,037	48.3%	
FRCST 2030	1,787	1,773	1,871	1,855	52.9%	1,954	1,963	2,044	2,054	48.2%	
FRCST 2031	1,801	1,787	1,885	1,871	52.9%	1,968	1,978	2,059	2,070	48.2%	
FRCST 2032	1,815	1,802	1,900	1,886	52.8%	1,983	1,995	2,075	2,087	48.0%	
FRCST 2033	1,820	1,808	1,905	1,892	52.9%	1,988	2,000	2,080	2,093	48.1%	
FRCST 2034	1,828	1,816	1,913	1,901	52.8%	1,996	2,009	2,089	2,103	48.1%	
FRCST 2035	1,835	1,825	1,921	1,910	52.8%	2,004	2,018	2,097	2,112	48.1%	
FRCST 2036	1,850	1,841	1,937	1,927	52.7%	2,020	2,036	2,114	2,130	47.9%	

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****					
**** EXTREME TEMPERATURE CONDITIONS ****						**** EXTREME TEMPERATURE CONDITIONS ****					
HOOSIER ENERGY COINCIDENT PEAK (60 MIN.)						HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.)					
Without Losses (% Chg)						Without Losses (% Chg)					
With Losses (% Chg)						With Losses (% Chg)					
TIME PERIOD	WINTER	SUMMER	WINTER	SUMMER	EXTREME COIN. H.E. ANNUAL LOAD FACTOR (AVERAGE)	WINTER	SUMMER	WINTER	SUMMER	EXT. NON-COIN H.E. ANNUAL LOAD FACTOR (AVERAGE)	
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2021	1.13%	1.39%	1.10%	1.36%	52.81%	1.09%	1.18%	1.06%	1.16%	48.37%	
2021 -2026	0.63%	1.02%	0.63%	1.02%	52.90%	0.64%	0.82%	0.64%	0.82%	48.42%	
2026 -2031	0.73%	0.80%	0.74%	0.80%	52.95%	0.74%	0.80%	0.74%	0.80%	48.28%	
2031 -2036	0.54%	0.60%	0.54%	0.60%	52.82%	0.53%	0.58%	0.53%	0.58%	48.06%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2036	0.76%	0.95%	0.75%	0.95%	52.86%	0.75%	0.84%	0.74%	0.84%	48.27%	

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?)

***** BASE SCENARIO WITH DSM IMPACTS *****							***** BASE SCENARIO WITH DSM IMPACTS *****				
**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****							**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****				
Aggregated Member System Data							Aggregated Member System Data				
NUMBER OF CONSUMERS							SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	
ACTUAL 2005	257,250	11,810	165	1,573	270,798	3,749,514	774,714	1,484,489	33,634	6,042,351	
ACTUAL 2006	260,854	11,986	169	1,707	274,716	3,856,899	824,354	1,545,582	32,678	6,259,513	
ACTUAL 2007	263,908	12,246	191	1,821	278,166	4,088,777	855,093	1,620,151	34,240	6,598,261	
ACTUAL 2008	265,071	12,166	200	1,833	279,270	4,080,904	856,375	1,630,203	33,209	6,600,691	
ACTUAL 2009	265,137	12,281	192	1,836	279,446	3,904,138	818,798	1,564,440	31,738	6,319,115	
ACTUAL 2010	265,890	12,407	193	1,854	280,344	4,158,334	843,557	1,712,254	33,075	6,747,220	
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163	
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406	
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370	
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169	
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982	
FRCST 2016	283,188	13,899	210	2,936	300,233	4,043,538	958,648	2,062,380	38,923	7,103,490	
FRCST 2017	284,641	14,038	210	2,936	301,825	4,094,124	968,623	2,122,348	38,923	7,224,019	
FRCST 2018	286,184	14,177	208	2,936	303,505	4,134,464	979,893	2,138,086	38,923	7,291,366	
FRCST 2019	287,676	14,316	208	2,936	305,136	4,168,713	992,823	2,166,121	38,923	7,366,580	
FRCST 2020	289,260	14,455	208	2,936	306,859	4,206,020	1,006,520	2,179,218	38,923	7,430,681	
FRCST 2021	290,800	14,594	208	2,936	308,538	4,241,262	1,016,755	2,196,193	38,923	7,493,133	
FRCST 2022	292,438	14,737	206	2,936	310,317	4,275,819	1,025,878	2,201,297	38,923	7,541,918	
FRCST 2023	294,089	14,880	206	2,936	312,111	4,308,779	1,034,960	2,207,162	38,923	7,589,824	
FRCST 2024	295,824	15,023	206	2,936	313,989	4,342,897	1,045,356	2,213,647	38,923	7,640,823	
FRCST 2025	297,514	15,166	206	2,936	315,822	4,375,453	1,059,188	2,219,958	38,923	7,693,522	
FRCST 2026	299,299	15,309	205	2,936	317,749	4,411,731	1,071,223	2,225,712	38,923	7,747,588	
FRCST 2027	301,015	15,469	204	2,936	319,624	4,449,964	1,086,911	2,223,007	38,923	7,798,805	
FRCST 2028	302,789	15,629	204	2,936	321,558	4,491,043	1,102,662	2,223,007	38,923	7,855,634	
FRCST 2029	304,572	15,789	204	2,936	323,501	4,531,081	1,118,478	2,223,007	38,923	7,911,489	
FRCST 2030	306,441	15,949	204	2,936	325,530	4,571,461	1,134,358	2,223,007	38,923	7,967,749	
FRCST 2031	308,264	16,109	204	2,936	327,513	4,611,766	1,150,303	2,223,007	38,923	8,023,999	
FRCST 2032	310,083	16,274	204	2,936	329,497	4,655,717	1,166,551	2,223,007	38,923	8,084,198	
FRCST 2033	311,885	16,439	204	2,936	331,464	4,701,089	1,182,864	2,175,569	38,923	8,098,445	
FRCST 2034	313,783	16,604	204	2,936	333,527	4,750,357	1,199,242	2,139,991	38,923	8,128,513	
FRCST 2035	315,639	16,769	203	2,936	335,547	4,802,268	1,215,689	2,104,413	38,923	8,161,292	
FRCST 2036	317,455	16,934	203	2,936	337,528	4,853,849	1,232,201	2,104,413	38,923	8,229,385	

***** BASE SCENARIO WITH DSM IMPACTS *****						***** BASE SCENARIO WITH DSM IMPACTS *****				
Adjusted for Systems -- AGGREGATED NUMBER OF CONSUMERS						Adjusted for Systems -- AGGREGATED ENERGY SALES				
TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	3.87%	2.59%	0.90%
2016 -2021	0.53%	0.98%	-2	0	0.55%	0.96%	1.18%	1.27%	0.00%	1.07%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.79%	1.05%	0.27%	0.00%	0.67%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.02%	0.00%	0.70%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.09%	0.00%	0.51%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.38%	1.12%	1.56%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.92%	1.26%	0.10%	0.00%	0.74%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%
ACTUAL 2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%
ACTUAL 2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%
ACTUAL 2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%
ACTUAL 2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%
ACTUAL 2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%
ACTUAL 2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%
ACTUAL 2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%
ACTUAL 2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%
ACTUAL 2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%
ACTUAL 2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%
FRCST 2016	7,416,649	7,748,934	1,434	1,375	1,429	1,371	1,498	1,437	58.9%
FRCST 2017	7,542,621	7,866,175	1,459	1,414	1,455	1,410	1,523	1,476	59.0%
FRCST 2018	7,612,806	7,939,437	1,470	1,422	1,466	1,419	1,534	1,485	59.1%
FRCST 2019	7,691,567	8,021,651	1,484	1,439	1,480	1,435	1,549	1,502	59.1%
FRCST 2020	7,758,568	8,091,589	1,497	1,455	1,493	1,451	1,563	1,519	58.9%
FRCST 2021	7,823,817	8,159,698	1,510	1,471	1,505	1,467	1,576	1,536	59.1%
FRCST 2022	7,874,857	8,212,976	1,516	1,495	1,512	1,491	1,582	1,560	59.3%
FRCST 2023	7,924,975	8,265,291	1,524	1,506	1,520	1,502	1,591	1,572	59.3%
FRCST 2024	7,978,288	8,320,941	1,533	1,518	1,528	1,514	1,600	1,584	59.2%
FRCST 2025	8,033,414	8,378,484	1,541	1,530	1,537	1,526	1,609	1,597	59.5%
FRCST 2026	8,089,961	8,437,510	1,551	1,543	1,546	1,539	1,618	1,610	59.5%
FRCST 2027	8,143,026	8,492,902	1,561	1,555	1,556	1,550	1,629	1,623	59.5%
FRCST 2028	8,202,484	8,554,966	1,573	1,567	1,568	1,563	1,642	1,636	59.3%
FRCST 2029	8,260,935	8,615,980	1,585	1,580	1,580	1,576	1,654	1,649	59.5%
FRCST 2030	8,319,808	8,677,434	1,596	1,593	1,592	1,588	1,666	1,663	59.5%
FRCST 2031	8,378,676	8,738,884	1,608	1,606	1,603	1,601	1,678	1,676	59.4%
FRCST 2032	8,441,669	8,804,637	1,621	1,619	1,616	1,615	1,691	1,690	59.3%
FRCST 2033	8,457,035	8,820,677	1,625	1,624	1,620	1,620	1,696	1,695	59.4%
FRCST 2034	8,488,840	8,853,877	1,631	1,632	1,627	1,627	1,703	1,703	59.3%
FRCST 2035	8,523,514	8,890,071	1,638	1,640	1,633	1,635	1,710	1,711	59.3%
FRCST 2036	8,594,814	8,964,497	1,651	1,654	1,646	1,649	1,723	1,726	59.1%

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems ENERGY PURCHASED (% CHG.)		Adjusted for Systems ENERGY GENERATED (% CHG.)		Adjusted for Systems AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG)		Adjusted for Systems - HE COIN. 60 MINUTE DEMAND		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	Without Losses (% Chg)		With Losses (% Chg)		
					WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%
2016 -2021	1.07%	1.04%	1.04%	1.36%	1.04%	1.36%	1.02%	1.34%	59.02%
2021 -2026	0.67%	0.67%	0.53%	0.95%	0.53%	0.95%	0.54%	0.95%	59.31%
2026 -2031	0.70%	0.70%	0.73%	0.80%	0.73%	0.80%	0.73%	0.80%	59.46%
2031 -2036	0.51%	0.51%	0.53%	0.59%	0.53%	0.59%	0.53%	0.59%	59.31%
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%
2016 -2036	0.74%	0.73%	0.71%	0.93%	0.71%	0.93%	0.70%	0.92%	59.26%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,590	1,523	1,667	1,596	52.9%
FRCST 2017	1,635	1,572	1,712	1,646	52.5%
FRCST 2018	1,637	1,578	1,713	1,651	52.9%
FRCST 2019	1,653	1,596	1,730	1,670	52.9%
FRCST 2020	1,668	1,614	1,746	1,690	52.8%
FRCST 2021	1,682	1,632	1,761	1,708	52.9%
FRCST 2022	1,695	1,663	1,774	1,741	52.8%
FRCST 2023	1,705	1,676	1,784	1,754	52.9%
FRCST 2024	1,715	1,689	1,795	1,768	52.8%
FRCST 2025	1,725	1,703	1,806	1,782	53.0%
FRCST 2026	1,736	1,717	1,817	1,797	53.0%
FRCST 2027	1,747	1,730	1,829	1,811	53.0%
FRCST 2028	1,761	1,744	1,843	1,826	52.8%
FRCST 2029	1,774	1,758	1,857	1,840	53.0%
FRCST 2030	1,787	1,773	1,871	1,855	52.9%
FRCST 2031	1,801	1,787	1,885	1,871	52.9%
FRCST 2032	1,815	1,802	1,900	1,886	52.8%
FRCST 2033	1,820	1,808	1,905	1,892	52.9%
FRCST 2034	1,828	1,816	1,913	1,901	52.8%
FRCST 2035	1,835	1,825	1,921	1,910	52.8%
FRCST 2036	1,850	1,841	1,937	1,927	52.7%

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO RESULTS *****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND

ADJUSTED

Without Losses (% Chg)

With Losses (% Chg)

EXT. ANNUAL

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	1.13%	1.39%	1.10%	1.36%	52.81%
2021 -2026	0.63%	1.02%	0.63%	1.02%	52.90%
2026 -2031	0.73%	0.80%	0.74%	0.80%	52.95%
2031 -2036	0.54%	0.60%	0.54%	0.60%	52.82%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.76%	0.95%	0.75%	0.95%	52.86%

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2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Aggregated Member System Data
NUMBER OF CONSUMERS

Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,568	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,077,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	283,188	13,899	209	2,936	300,232	4,043,538	958,648	1,899,855	38,923	6,940,965
FRCST 2017	284,641	14,038	209	2,936	301,824	4,094,124	968,623	1,959,823	38,923	7,061,494
FRCST 2018	286,184	14,177	207	2,936	303,504	4,134,464	979,893	1,975,561	38,923	7,128,841
FRCST 2019	287,676	14,316	207	2,936	305,135	4,168,713	992,823	2,003,596	38,923	7,204,055
FRCST 2020	289,260	14,455	207	2,936	306,858	4,206,020	1,006,520	2,016,693	38,923	7,268,156
FRCST 2021	290,800	14,594	207	2,936	308,537	4,241,262	1,016,755	2,033,668	38,923	7,330,609
FRCST 2022	292,438	14,737	205	2,936	310,316	4,275,819	1,025,878	2,038,772	38,923	7,379,393
FRCST 2023	294,089	14,880	205	2,936	312,110	4,308,779	1,034,960	2,044,637	38,923	7,427,299
FRCST 2024	295,824	15,023	205	2,936	313,988	4,342,897	1,045,356	2,051,122	38,923	7,478,299
FRCST 2025	297,514	15,166	205	2,936	315,821	4,375,453	1,059,188	2,057,433	38,923	7,530,997
FRCST 2026	299,299	15,309	204	2,936	317,748	4,411,731	1,071,223	2,063,187	38,923	7,585,064
FRCST 2027	301,015	15,469	203	2,936	319,623	4,449,964	1,086,911	2,060,482	38,923	7,636,281
FRCST 2028	302,789	15,629	203	2,936	321,557	4,491,043	1,102,682	2,060,482	38,923	7,693,110
FRCST 2029	304,572	15,789	203	2,936	323,500	4,531,081	1,118,478	2,060,482	38,923	7,748,964
FRCST 2030	306,441	15,949	203	2,936	325,529	4,571,461	1,134,358	2,060,482	38,923	7,805,224
FRCST 2031	308,264	16,109	203	2,936	327,512	4,611,766	1,150,303	2,060,482	38,923	7,861,474
FRCST 2032	310,083	16,274	203	2,936	329,496	4,655,717	1,166,551	2,060,482	38,923	7,921,673
FRCST 2033	311,885	16,439	203	2,936	331,463	4,701,089	1,182,864	2,013,044	38,923	7,935,920
FRCST 2034	313,783	16,604	203	2,936	333,526	4,750,357	1,199,242	1,977,466	38,923	7,965,988
FRCST 2035	315,639	16,769	202	2,936	335,546	4,802,268	1,215,689	1,941,888	38,923	7,998,768
FRCST 2036	317,455	16,934	202	2,936	337,527	4,853,849	1,232,201	1,941,888	38,923	8,066,861

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems & Ind. -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind. -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.53%	0.98%	-2	0	0.55%	0.96%	1.18%	1.37%	0.00%	1.10%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.79%	1.05%	0.29%	0.00%	0.68%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.03%	0.00%	0.72%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.18%	0.00%	0.52%

2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.92%	1.26%	0.11%	0.00%	0.75%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITHOUT LOSSES)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	1,291	1,150	1,355	53.8%
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,188,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	7,254,124	7,586,409	1,418	1,360	1,414	1,356	1,483	1,422	58.3%
FRCST 2017	7,380,097	7,703,650	1,444	1,399	1,440	1,395	1,507	1,461	58.3%
FRCST 2018	7,450,282	7,776,912	1,454	1,407	1,450	1,403	1,519	1,469	58.5%
FRCST 2019	7,529,043	7,859,126	1,469	1,423	1,465	1,419	1,534	1,486	58.5%
FRCST 2020	7,596,043	7,929,064	1,482	1,440	1,478	1,436	1,547	1,504	58.3%
FRCST 2021	7,661,292	7,997,174	1,494	1,456	1,490	1,452	1,560	1,520	58.5%
FRCST 2022	7,712,332	8,050,451	1,501	1,480	1,496	1,476	1,567	1,545	58.7%
FRCST 2023	7,762,450	8,102,767	1,509	1,491	1,504	1,487	1,575	1,557	58.7%
FRCST 2024	7,815,763	8,158,416	1,517	1,503	1,513	1,498	1,584	1,569	58.6%
FRCST 2025	7,870,889	8,215,960	1,526	1,515	1,522	1,511	1,593	1,582	58.9%
FRCST 2026	7,927,436	8,274,986	1,535	1,527	1,531	1,523	1,603	1,595	58.9%
FRCST 2027	7,980,501	8,330,377	1,545	1,539	1,541	1,535	1,614	1,607	58.9%
FRCST 2028	8,039,959	8,392,442	1,558	1,552	1,553	1,548	1,626	1,621	58.7%
FRCST 2029	8,098,410	8,453,455	1,570	1,565	1,565	1,560	1,639	1,634	58.9%
FRCST 2030	8,157,283	8,514,909	1,581	1,577	1,576	1,573	1,651	1,647	58.9%
FRCST 2031	8,216,152	8,576,359	1,593	1,590	1,588	1,586	1,663	1,661	58.9%
FRCST 2032	8,279,144	8,642,113	1,605	1,604	1,600	1,599	1,676	1,675	58.7%
FRCST 2033	8,294,510	8,658,153	1,609	1,609	1,605	1,604	1,680	1,680	58.8%
FRCST 2034	8,326,316	8,691,352	1,616	1,616	1,611	1,612	1,687	1,688	58.8%
FRCST 2035	8,360,989	8,727,546	1,623	1,624	1,618	1,620	1,694	1,696	58.7%
FRCST 2036	8,432,289	8,801,972	1,636	1,638	1,631	1,634	1,708	1,711	58.6%

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems & Ind ENERGY PURCHASED (% CHG.)		Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND (WITHOUT LOSSES) (% Chg)				ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	ENERGY PURCHASED (% CHG.)	ENERGY GENERATED (% CHG.)	WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.28%	2.37%	2.96%	1.02%	3.32%	1.14%	3.37%	1.10%	54.92%
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	1.10%	1.06%	1.05%	1.38%	1.05%	1.38%	1.03%	1.35%	58.40%
2021 -2026	0.69%	0.69%	0.54%	0.96%	0.54%	0.96%	0.54%	0.96%	58.72%
2026 -2031	0.72%	0.72%	0.74%	0.81%	0.74%	0.81%	0.74%	0.81%	58.88%
2031 -2036	0.52%	0.52%	0.54%	0.60%	0.54%	0.60%	0.54%	0.60%	58.75%
2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	0.76%	0.75%	0.72%	0.94%	0.72%	0.94%	0.71%	0.93%	58.67%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,575	1,508	1,651	1,581	52.3%
FRCST 2017	1,620	1,557	1,696	1,630	51.8%
FRCST 2018	1,621	1,562	1,698	1,636	52.3%
FRCST 2019	1,638	1,581	1,715	1,655	52.3%
FRCST 2020	1,653	1,599	1,731	1,674	52.2%
FRCST 2021	1,667	1,617	1,745	1,693	52.3%
FRCST 2022	1,680	1,648	1,759	1,725	52.3%
FRCST 2023	1,689	1,661	1,769	1,739	52.3%
FRCST 2024	1,700	1,674	1,780	1,753	52.2%
FRCST 2025	1,710	1,688	1,790	1,767	52.4%
FRCST 2026	1,721	1,702	1,802	1,782	52.4%
FRCST 2027	1,732	1,715	1,814	1,796	52.4%
FRCST 2028	1,746	1,729	1,828	1,810	52.3%
FRCST 2029	1,759	1,743	1,842	1,825	52.4%
FRCST 2030	1,772	1,757	1,856	1,840	52.4%
FRCST 2031	1,785	1,772	1,869	1,855	52.4%
FRCST 2032	1,799	1,787	1,884	1,871	52.2%
FRCST 2033	1,804	1,792	1,889	1,877	52.3%
FRCST 2034	1,812	1,801	1,898	1,886	52.3%
FRCST 2035	1,820	1,810	1,906	1,895	52.3%
FRCST 2036	1,835	1,826	1,921	1,912	52.2%

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO RESULTS *****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	1.14%	1.40%	1.11%	1.38%	52.20%
2021 -2026	0.64%	1.03%	0.64%	1.03%	52.31%
2026 -2031	0.74%	0.81%	0.74%	0.81%	52.38%
2031 -2036	0.55%	0.60%	0.55%	0.60%	52.27%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.77%	0.96%	0.76%	0.95%	52.28%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)	
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0
ACTUAL 2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0
ACTUAL 2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0
ACTUAL 2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0
ACTUAL 2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0
ACTUAL 2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0
ACTUAL 2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0
ACTUAL 2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0
FRCST 2016	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2017	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2018	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2019	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2020	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2021	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2022	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2023	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2024	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2025	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2026	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2027	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2028	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2029	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2030	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2031	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2032	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2033	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2034	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2035	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST 2036	99.71%	99.72%	100.0%	0	0	100.0%	0	0

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)	
	WINTER (AVERAGE)	SUMMER (AVERAGE)
2005 -2010	98.42%	99.15%
2010 -2015	99.50%	99.68%
2016 -2021	99.71%	99.72%
2021 -2026	99.71%	99.72%
2026 -2031	99.71%	99.72%
2031 -2036	99.71%	99.72%
2005 -2015	98.94%	99.41%
2016 -2036	99.71%	99.72%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

YEAR	PERCENTAGE of IN #92 Served by H.E.	IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.	IL #2 served by H.E. (Yes=0 , No= 1)	
		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	51.0%	1	0	0.0%	1	1
ACTUAL 2006	100.0%	0	0	0.0%	1	1
ACTUAL 2007	100.0%	0	0	0.0%	1	1
ACTUAL 2008	100.0%	0	0	0.0%	1	1
ACTUAL 2009	100.0%	0	0	0.0%	1	1
ACTUAL 2010	100.0%	0	0	0.0%	1	1
ACTUAL 2011	100.0%	0	0	100.0%	0	0
ACTUAL 2012	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.0%	0	0	100.0%	0	0
ACTUAL 2014	100.0%	0	0	100.0%	0	0
ACTUAL 2015	100.0%	0	0	100.0%	0	0
FRCST 2016	100.0%	0	0	100.0%	0	0
FRCST 2017	100.0%	0	0	100.0%	0	0
FRCST 2018	100.0%	0	0	100.0%	0	0
FRCST 2019	100.0%	0	0	100.0%	0	0
FRCST 2020	100.0%	0	0	100.0%	0	0
FRCST 2021	100.0%	0	0	100.0%	0	0
FRCST 2022	100.0%	0	0	100.0%	0	0
FRCST 2023	100.0%	0	0	100.0%	0	0
FRCST 2024	100.0%	0	0	100.0%	0	0
FRCST 2025	100.0%	0	0	100.0%	0	0
FRCST 2026	100.0%	0	0	100.0%	0	0
FRCST 2027	100.0%	0	0	100.0%	0	0
FRCST 2028	100.0%	0	0	100.0%	0	0
FRCST 2029	100.0%	0	0	100.0%	0	0
FRCST 2030	100.0%	0	0	100.0%	0	0
FRCST 2031	100.0%	0	0	100.0%	0	0
FRCST 2032	100.0%	0	0	100.0%	0	0
FRCST 2033	100.0%	0	0	100.0%	0	0
FRCST 2034	100.0%	0	0	100.0%	0	0
FRCST 2035	100.0%	0	0	100.0%	0	0
FRCST 2036	100.0%	0	0	100.0%	0	0

***** BASE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

DSM EE Program Energy Impact					DSM Demand Impacts-- Both EE & DR Programs) Coincident 60 Minute Demand MW				
YEAR	Aggregated Total Member Energy Purchased Savings MWH	Percent of Total Purchases w/o DSM	Total Member Energy Generated Savings MWH	Percent of Total Generated w/o DSM	Savings w/o Losses		Savings with Losses		
					Winter	Summer	Winter	Summer	
ACTUAL 2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000	
ACTUAL 2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000	
ACTUAL 2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000	
ACTUAL 2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000	
ACTUAL 2009	25,159	0.4%	26,189	0.4%	8,978	3,703	9,436	3,892	
ACTUAL 2010	49,468	0.7%	51,663	0.7%	20,610	10,725	21,633	11,257	
ACTUAL 2011	81,677	1.2%	85,143	1.2%	32,274	17,657	33,686	18,429	
ACTUAL 2012	103,470	1.5%	107,053	1.5%	40,343	23,563	41,924	24,487	
ACTUAL 2013	125,031	1.7%	128,352	1.7%	46,802	17,811	48,342	18,397	
ACTUAL 2014	144,763	1.9%	149,549	1.9%	52,425	32,103	54,265	33,229	
ACTUAL 2015	164,860	2.2%	171,568	2.2%	64,045	26,789	66,824	27,952	
FRCST 2016	194,406	2.6%	203,311	2.6%	73,329	45,453	76,889	47,660	
FRCST 2017	184,468	2.4%	192,555	2.4%	66,028	42,103	69,140	44,087	
FRCST 2018	194,268	2.5%	202,784	2.5%	69,365	43,704	72,634	45,763	
FRCST 2019	207,146	2.7%	216,227	2.7%	73,411	45,300	76,870	47,435	
FRCST 2020	219,768	2.8%	229,403	2.8%	76,119	44,179	79,706	46,261	
FRCST 2021	233,084	3.0%	243,302	3.0%	79,062	43,411	82,787	45,456	
FRCST 2022	246,750	3.1%	257,568	3.1%	82,886	43,832	86,792	45,897	
FRCST 2023	261,151	3.3%	272,600	3.3%	87,480	45,304	91,602	47,439	
FRCST 2024	274,544	3.4%	286,581	3.4%	92,227	46,678	96,573	48,878	
FRCST 2025	284,596	3.5%	297,073	3.5%	96,562	47,268	101,112	49,495	
FRCST 2026	296,138	3.6%	309,121	3.6%	101,009	48,155	105,769	50,425	
FRCST 2027	300,584	3.6%	313,762	3.6%	102,416	47,741	107,242	49,991	
FRCST 2028	303,569	3.6%	316,878	3.6%	102,639	47,370	107,475	49,602	
FRCST 2029	307,784	3.7%	321,278	3.7%	103,331	47,164	108,200	49,386	
FRCST 2030	312,901	3.7%	326,619	3.7%	104,584	46,875	109,512	49,083	
FRCST 2031	317,642	3.7%	331,568	3.7%	105,702	46,531	110,682	48,723	
FRCST 2032	321,964	3.7%	336,079	3.7%	106,703	46,375	111,731	48,560	
FRCST 2033	327,467	3.8%	341,824	3.8%	108,111	46,842	113,205	49,050	
FRCST 2034	332,377	3.8%	346,949	3.8%	109,870	47,240	115,047	49,466	
FRCST 2035	335,764	3.9%	350,484	3.9%	112,006	47,961	117,284	50,220	
FRCST 2036	340,292	3.9%	355,211	3.9%	114,364	48,712	119,753	51,008	

***** BASE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
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***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

DSM -- EE Program Demand Impacts
Coincident 60 Minute Demand MW

DSM -- DR Program Demand Impacts
Coincident 60 Minute Demand MW

YEAR	Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL 2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL 2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL 2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL 2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL 2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL 2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL 2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST 2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST 2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST 2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST 2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST 2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.352
FRCST 2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST 2022	77.714	35.202	81.376	36.860	5.172	8.630	5.416	9.037
FRCST 2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST 2024	86.887	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST 2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST 2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST 2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST 2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST 2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST 2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST 2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST 2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST 2033	101.231	36.834	106.001	38.569	6.879	10.009	7.203	10.480
FRCST 2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST 2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST 2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE SCENARIO WITH DSM IMPACTS *****

***** BASE SCENARIO WITH DSM IMPACTS *****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
<hr/>				
FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

Appendix A3

Historical/Forecast Annual Load Summary – High Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

Aggregated Member System Data NUMBER OF CONSUMERS						Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	284,173	13,971	228	2,936	301,308	4,065,358	963,598	2,135,727	38,923	7,203,607
FRCST 2017	286,624	14,180	228	2,936	303,968	4,142,017	978,796	2,206,377	38,923	7,366,114
FRCST 2018	289,181	14,391	226	2,936	306,734	4,211,144	995,491	2,233,145	38,923	7,478,703
FRCST 2019	291,703	14,603	226	2,936	309,468	4,276,013	1,014,074	2,272,346	38,923	7,601,356
FRCST 2020	294,331	14,817	226	2,936	312,310	4,345,440	1,033,643	2,296,804	38,923	7,714,810
FRCST 2021	296,925	15,034	226	2,936	315,121	4,413,919	1,049,889	2,325,263	38,923	7,827,994
FRCST 2022	299,643	15,256	224	2,936	318,059	4,482,731	1,065,187	2,341,994	38,923	7,928,836
FRCST 2023	302,380	15,482	224	2,936	321,022	4,550,843	1,080,625	2,359,568	38,923	8,029,959
FRCST 2024	305,224	15,710	224	2,936	324,094	4,621,128	1,097,570	2,377,850	38,923	8,135,471
FRCST 2025	308,036	15,938	224	2,936	327,134	4,690,649	1,118,137	2,396,055	38,923	8,243,764
FRCST 2026	310,964	16,165	223	2,936	330,288	4,765,050	1,137,097	2,413,788	38,923	8,354,857
FRCST 2027	313,839	16,413	222	2,936	333,410	4,842,213	1,159,922	2,423,150	38,923	8,464,208
FRCST 2028	316,788	16,668	222	2,936	336,614	4,923,276	1,183,014	2,435,265	38,923	8,580,477
FRCST 2029	319,761	16,922	222	2,936	339,841	5,004,260	1,206,373	2,447,442	38,923	8,696,998
FRCST 2030	322,844	17,177	222	2,936	343,179	5,086,684	1,229,995	2,459,680	38,923	8,815,282
FRCST 2031	325,896	17,434	222	2,936	346,488	5,169,952	1,253,894	2,471,979	38,923	8,934,748
FRCST 2032	328,961	17,702	222	2,936	349,821	5,258,282	1,278,322	2,484,338	38,923	9,059,865
FRCST 2033	332,024	17,969	222	2,936	353,151	5,349,406	1,303,031	2,449,323	38,923	9,140,683
FRCST 2034	335,211	18,238	222	2,936	356,607	5,445,990	1,328,024	2,425,991	38,923	9,238,928
FRCST 2035	338,364	18,512	221	2,936	360,033	5,546,538	1,353,304	2,402,540	38,923	9,341,304
FRCST 2036	341,498	18,788	221	2,936	363,443	5,648,079	1,378,869	2,414,556	38,923	9,480,426

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.88%	1.48%	-2	0	0.90%	1.66%	1.73%	1.72%	0.00%	1.68%
2021 -2026	0.93%	1.46%	-3	0	0.94%	1.54%	1.61%	0.75%	0.00%	1.31%
2026 -2031	0.94%	1.52%	-1	0	0.96%	1.64%	1.97%	0.48%	0.00%	1.35%
2031 -2036	0.94%	1.51%	-1	0	0.96%	1.78%	1.92%	-0.47%	0.00%	1.19%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.92%	1.49%	-7	0	0.94%	1.66%	1.81%	0.62%	0.00%	1.38%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****							***** HIGH SCENARIO WITH DSM IMPACTS *****			
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED for H.E. MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)				
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)		
						WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392	
ACTUAL 2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405	
ACTUAL 2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421	
ACTUAL 2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317	
ACTUAL 2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306	
ACTUAL 2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462	
ACTUAL 2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441	
ACTUAL 2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,426	1,631	1,278	1,478	
ACTUAL 2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351	
ACTUAL 2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348	
ACTUAL 2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363	
FRCST 2016	7,521,378	7,858,460	4.38%	4.63%	75.500	1,586	1,574	1,448	1,403	
FRCST 2017	7,691,231	8,021,300	4.20%	4.50%	75.760	1,627	1,612	1,486	1,436	
FRCST 2018	7,808,715	8,143,935	4.20%	4.50%	76.830	1,652	1,638	1,509	1,459	
FRCST 2019	7,937,076	8,277,922	4.20%	4.50%	77.430	1,679	1,666	1,533	1,485	
FRCST 2020	8,055,680	8,401,727	4.20%	4.50%	76.540	1,702	1,693	1,556	1,511	
FRCST 2021	8,173,976	8,525,209	4.20%	4.50%	76.800	1,726	1,720	1,579	1,537	
FRCST 2022	8,279,448	8,635,305	4.20%	4.50%	78.340	1,744	1,741	1,596	1,572	
FRCST 2023	8,385,212	8,745,706	4.20%	4.50%	79.910	1,766	1,765	1,616	1,594	
FRCST 2024	8,495,526	8,860,856	4.20%	4.50%	81.510	1,788	1,790	1,635	1,616	
FRCST 2025	8,608,785	8,979,081	4.20%	4.50%	83.140	1,810	1,816	1,656	1,640	
FRCST 2026	8,724,962	9,100,351	4.20%	4.50%	84.800	1,834	1,843	1,677	1,663	
FRCST 2027	8,838,777	9,219,156	4.20%	4.50%	86.500	1,858	1,868	1,699	1,687	
FRCST 2028	8,960,387	9,346,097	4.20%	4.50%	88.230	1,885	1,895	1,724	1,711	
FRCST 2029	9,082,274	9,473,328	4.20%	4.50%	89.990	1,912	1,923	1,748	1,736	
FRCST 2030	9,206,004	9,602,482	4.20%	4.50%	91.790	1,938	1,950	1,773	1,761	
FRCST 2031	9,330,978	9,732,935	4.20%	4.50%	93.630	1,965	1,978	1,797	1,787	
FRCST 2032	9,461,856	9,869,551	4.20%	4.50%	93.630	1,993	2,008	1,823	1,813	
FRCST 2033	9,546,841	9,958,262	4.20%	4.50%	93.630	2,013	2,027	1,842	1,832	
FRCST 2034	9,649,947	10,065,888	4.20%	4.50%	93.630	2,035	2,050	1,863	1,853	
FRCST 2035	9,757,413	10,178,066	4.20%	4.50%	93.630	2,057	2,073	1,884	1,875	
FRCST 2036	9,903,006	10,330,042	4.20%	4.50%	93.630	2,088	2,104	1,912	1,903	

***** HIGH SCENARIO WITH DSM IMPACTS *****					***** HIGH SCENARIO WITH DSM IMPACTS *****				
TIME PERIOD	AGGREGATED H.E. ENERGY TOTAL ENERGY GENERATED PURCHASED FOR MEMBERS (% CHG.)	H.E. ENERGY GENERATED FOR MEMBERS (% CHG.)	AVG. MONTHLY LOSS FACTORS due to MEMBERS (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
			ENERGY	DEMAND		Non-Coincident (% Chg)		Coincident (% Chg)	
						WINTER	SUMMER	WINTER	SUMMER
2005 -2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%
2010 -2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%
2016 -2021	1.68%	1.64%	4.23%	4.52%	0.34%	1.72%	1.78%	1.76%	1.85%
2021 -2026	1.31%	1.31%	4.20%	4.50%	2.00%	1.21%	1.39%	1.20%	1.59%
2026 -2031	1.35%	1.35%	4.20%	4.50%	2.00%	1.39%	1.43%	1.40%	1.44%
2031 -2036	1.20%	1.20%	4.20%	4.50%	0.00%	1.22%	1.24%	1.24%	1.27%
2005 -2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%
2016 -2036	1.38%	1.38%	4.21%	4.51%	1.08%	1.39%	1.46%	1.40%	1.54%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****						***** HIGH SCENARIO WITH DSM IMPACTS *****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW) (All values are estimated 60 minute values)					H.E. ANNUAL LOAD FACTOR Due To COINCIDENT PEAK	HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW) (All values are estimated 60 minute values)					H.E. ANNUAL LOAD FACTOR Due To NON-COIN. PEAK
YEAR	WITHOUT LOSSES		WITH LOSSES		COINCIDENT PEAK	WITHOUT LOSSES		WITH LOSSES		NON-COIN. PEAK	
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL 2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%	
ACTUAL 2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%	
ACTUAL 2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%	
ACTUAL 2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%	
ACTUAL 2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%	
ACTUAL 2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%	
ACTUAL 2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%	
ACTUAL 2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%	
ACTUAL 2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.5%	
ACTUAL 2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%	
ACTUAL 2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%	
FRCST 2016	1,443	1,399	1,513	1,466	59.1%	1,581	1,570	1,656	1,645	54.0%	
FRCST 2017	1,481	1,432	1,550	1,499	59.1%	1,623	1,608	1,698	1,682	53.9%	
FRCST 2018	1,504	1,455	1,574	1,523	59.0%	1,647	1,633	1,723	1,709	53.9%	
FRCST 2019	1,529	1,481	1,600	1,550	59.1%	1,674	1,662	1,751	1,739	54.0%	
FRCST 2020	1,552	1,507	1,624	1,577	58.9%	1,698	1,689	1,776	1,767	53.9%	
FRCST 2021	1,575	1,533	1,648	1,605	59.0%	1,721	1,715	1,801	1,795	54.0%	
FRCST 2022	1,592	1,567	1,666	1,641	59.2%	1,739	1,737	1,820	1,817	54.2%	
FRCST 2023	1,611	1,589	1,686	1,663	59.2%	1,761	1,761	1,842	1,842	54.2%	
FRCST 2024	1,631	1,612	1,707	1,687	59.1%	1,783	1,786	1,865	1,868	54.0%	
FRCST 2025	1,651	1,635	1,728	1,711	59.3%	1,805	1,811	1,889	1,895	54.1%	
FRCST 2026	1,672	1,659	1,750	1,736	59.4%	1,828	1,838	1,913	1,923	54.0%	
FRCST 2027	1,694	1,682	1,773	1,761	59.4%	1,853	1,863	1,939	1,950	54.0%	
FRCST 2028	1,719	1,707	1,799	1,786	59.1%	1,879	1,890	1,967	1,978	53.8%	
FRCST 2029	1,743	1,731	1,825	1,812	59.3%	1,906	1,917	1,994	2,006	53.9%	
FRCST 2030	1,767	1,757	1,850	1,839	59.3%	1,933	1,945	2,022	2,035	53.9%	
FRCST 2031	1,792	1,782	1,876	1,865	59.2%	1,959	1,973	2,050	2,065	53.8%	
FRCST 2032	1,818	1,808	1,903	1,893	59.0%	1,988	2,002	2,080	2,095	53.6%	
FRCST 2033	1,836	1,827	1,922	1,912	59.1%	2,007	2,021	2,100	2,115	53.7%	
FRCST 2034	1,857	1,848	1,944	1,934	59.1%	2,029	2,044	2,123	2,139	53.7%	
FRCST 2035	1,878	1,870	1,966	1,957	59.1%	2,052	2,067	2,147	2,163	53.7%	
FRCST 2036	1,906	1,898	1,995	1,987	58.9%	2,082	2,099	2,179	2,196	53.5%	

***** HIGH SCENARIO WITH DSM IMPACTS *****						***** HIGH SCENARIO WITH DSM IMPACTS *****					
TIME PERIOD	HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				H.E. ANNUAL NON-COIN. LOAD FACTOR (AVERAGE)	
	Without Losses (% Chg)		With Losses (% Chg)			Without Losses (% Chg)		With Losses (% Chg)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
2005 -2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%	
2010 -2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%	
2016 -2021	1.76%	1.85%	1.73%	1.82%	59.04%	1.72%	1.78%	1.69%	1.76%	53.96%	
2021 -2026	1.20%	1.59%	1.20%	1.59%	59.20%	1.21%	1.39%	1.21%	1.39%	54.08%	
2026 -2031	1.40%	1.44%	1.40%	1.44%	59.27%	1.39%	1.43%	1.40%	1.43%	53.89%	
2031 -2036	1.24%	1.27%	1.24%	1.27%	59.09%	1.22%	1.24%	1.22%	1.24%	53.69%	
2005 -2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%	
2016 -2036	1.40%	1.54%	1.39%	1.53%	59.14%	1.39%	1.46%	1.38%	1.46%	53.90%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****						***** HIGH SCENARIO WITH DSM IMPACTS *****					
YEAR	***** EXTREME TEMPERATURE CONDITIONS ***** HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE				H.E. ANNUAL LOAD FACTOR Due To EXTREME COINCIDENT PEAK	***** EXTREME TEMPERATURE CONDITIONS ***** HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE				H.E. ANNUAL LOAD FACTOR Due To EXTREME NON- COIN. PEAK	
	<u>(WITHOUT LOSSES)</u>		<u>(WITH LOSSES)</u>			<u>(WITHOUT LOSSES)</u>		<u>(WITH LOSSES)</u>			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL 2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
FRCST 2016	1,613	1,556	1,690	1,631	52.9%	1,764	1,745	1,848	1,828	48.4%	
FRCST 2017	1,654	1,593	1,731	1,667	52.9%	1,809	1,786	1,893	1,869	48.4%	
FRCST 2018	1,680	1,619	1,758	1,694	52.9%	1,837	1,814	1,922	1,898	48.4%	
FRCST 2019	1,707	1,647	1,787	1,724	52.9%	1,867	1,846	1,953	1,932	48.4%	
FRCST 2020	1,734	1,676	1,814	1,754	52.7%	1,894	1,876	1,982	1,963	48.3%	
FRCST 2021	1,759	1,705	1,842	1,785	52.8%	1,921	1,906	2,010	1,994	48.4%	
FRCST 2022	1,784	1,748	1,868	1,830	52.8%	1,947	1,935	2,038	2,025	48.4%	
FRCST 2023	1,806	1,773	1,891	1,856	52.8%	1,972	1,962	2,063	2,053	48.4%	
FRCST 2024	1,829	1,798	1,915	1,882	52.7%	1,997	1,990	2,089	2,082	48.3%	
FRCST 2025	1,852	1,824	1,939	1,910	52.9%	2,022	2,019	2,116	2,112	48.4%	
FRCST 2026	1,876	1,851	1,964	1,938	52.9%	2,049	2,048	2,144	2,143	48.5%	
FRCST 2027	1,901	1,877	1,990	1,965	52.9%	2,076	2,077	2,173	2,173	48.4%	
FRCST 2028	1,929	1,904	2,019	1,993	52.7%	2,106	2,107	2,204	2,205	48.3%	
FRCST 2029	1,956	1,932	2,048	2,022	52.8%	2,136	2,137	2,235	2,236	48.4%	
FRCST 2030	1,984	1,960	2,077	2,052	52.8%	2,166	2,168	2,267	2,269	48.3%	
FRCST 2031	2,012	1,988	2,106	2,081	52.8%	2,196	2,199	2,298	2,301	48.3%	
FRCST 2032	2,041	2,018	2,136	2,112	52.6%	2,228	2,232	2,331	2,335	48.1%	
FRCST 2033	2,061	2,038	2,158	2,134	52.7%	2,249	2,253	2,354	2,358	48.2%	
FRCST 2034	2,085	2,062	2,183	2,159	52.6%	2,275	2,279	2,380	2,385	48.2%	
FRCST 2035	2,109	2,087	2,208	2,184	52.6%	2,300	2,305	2,407	2,412	48.2%	
FRCST 2036	2,140	2,118	2,241	2,217	52.5%	2,334	2,340	2,443	2,449	48.0%	

***** HIGH SCENARIO WITH DSM IMPACTS *****						***** HIGH SCENARIO WITH DSM IMPACTS *****					
TIME PERIOD	***** EXTREME TEMPERATURE CONDITIONS ***** HOOSIER ENERGY COINCIDENT PEAK (60 MIN.)				EXTREME COIN. H.E. ANNUAL LOAD FACTOR (AVERAGE)	***** EXTREME TEMPERATURE CONDITIONS ***** HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.)				EXT. NON-COIN H.E. ANNUAL LOAD FACTOR (AVERAGE)	
	<u>Without Losses (% Chg)</u>		<u>With Losses (% Chg)</u>			<u>Without Losses (% Chg)</u>		<u>With Losses (% Chg)</u>			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2021	1.76%	1.84%	1.73%	1.82%	52.86%	1.72%	1.78%	1.69%	1.76%	48.37%	
2021 -2026	1.30%	1.66%	1.30%	1.66%	52.81%	1.30%	1.45%	1.30%	1.45%	48.39%	
2026 -2031	1.40%	1.44%	1.40%	1.44%	52.81%	1.40%	1.43%	1.40%	1.43%	48.35%	
2031 -2036	1.25%	1.27%	1.25%	1.27%	52.63%	1.23%	1.25%	1.23%	1.25%	48.16%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2036	1.43%	1.55%	1.42%	1.55%	52.77%	1.41%	1.48%	1.40%	1.47%	48.31%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****

Aggregated Member System Data
NUMBER OF CONSUMERS

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	165	1,573	270,798
ACTUAL 2006	260,854	11,986	169	1,707	274,716
ACTUAL 2007	263,908	12,246	191	1,821	278,166
ACTUAL 2008	265,071	12,166	200	1,833	279,270
ACTUAL 2009	265,137	12,281	192	1,836	279,446
ACTUAL 2010	265,890	12,407	193	1,854	280,344
ACTUAL 2011	277,750	13,765	210	2,498	294,223
ACTUAL 2012	278,374	13,889	204	2,554	295,031
ACTUAL 2013	279,339	14,031	207	2,686	296,263
ACTUAL 2014	280,060	14,273	205	2,805	297,343
ACTUAL 2015	281,173	14,255	207	2,881	298,516
FRCST 2016	284,173	13,971	228	2,936	301,308
FRCST 2017	286,624	14,180	228	2,936	303,968
FRCST 2018	289,181	14,391	226	2,936	306,734
FRCST 2019	291,703	14,603	226	2,936	309,468
FRCST 2020	294,331	14,817	226	2,936	312,310
FRCST 2021	296,925	15,034	226	2,936	315,121
FRCST 2022	299,643	15,256	224	2,936	318,059
FRCST 2023	302,380	15,482	224	2,936	321,022
FRCST 2024	305,224	15,710	224	2,936	324,094
FRCST 2025	308,036	15,938	224	2,936	327,134
FRCST 2026	310,964	16,165	223	2,936	330,288
FRCST 2027	313,839	16,413	222	2,936	333,410
FRCST 2028	316,788	16,668	222	2,936	336,614
FRCST 2029	319,761	16,922	222	2,936	339,841
FRCST 2030	322,844	17,177	222	2,936	343,179
FRCST 2031	325,896	17,434	222	2,936	346,488
FRCST 2032	328,961	17,702	222	2,936	349,821
FRCST 2033	332,024	17,969	222	2,936	353,151
FRCST 2034	335,211	18,238	222	2,936	356,607
FRCST 2035	338,364	18,512	221	2,936	360,033
FRCST 2036	341,498	18,788	221	2,936	363,443

***** HIGH SCENARIO WITH DSM IMPACTS *****

**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****

Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	3,749,514	774,714	1,484,489	33,634	6,042,351
ACTUAL 2006	3,856,899	824,354	1,545,582	32,678	6,259,513
ACTUAL 2007	4,088,777	855,093	1,620,151	34,240	6,598,261
ACTUAL 2008	4,080,904	856,375	1,630,203	33,209	6,600,691
ACTUAL 2009	3,904,138	818,798	1,564,440	31,738	6,319,115
ACTUAL 2010	4,158,334	843,557	1,712,254	33,075	6,747,220
ACTUAL 2011	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	4,065,358	963,598	2,135,727	38,923	7,203,607
FRCST 2017	4,142,017	978,796	2,206,377	38,923	7,366,114
FRCST 2018	4,211,144	995,491	2,233,145	38,923	7,478,703
FRCST 2019	4,276,013	1,014,074	2,272,346	38,923	7,601,356
FRCST 2020	4,345,440	1,033,643	2,296,804	38,923	7,714,810
FRCST 2021	4,413,919	1,049,889	2,325,263	38,923	7,827,994
FRCST 2022	4,482,731	1,065,187	2,341,994	38,923	7,928,836
FRCST 2023	4,550,843	1,080,625	2,359,568	38,923	8,029,959
FRCST 2024	4,621,128	1,097,570	2,377,850	38,923	8,135,471
FRCST 2025	4,690,649	1,118,137	2,396,055	38,923	8,243,764
FRCST 2026	4,765,050	1,137,097	2,413,788	38,923	8,354,857
FRCST 2027	4,842,213	1,159,922	2,423,150	38,923	8,464,208
FRCST 2028	4,923,276	1,183,014	2,435,265	38,923	8,580,477
FRCST 2029	5,004,260	1,206,373	2,447,442	38,923	8,696,998
FRCST 2030	5,086,684	1,229,995	2,459,600	38,923	8,815,282
FRCST 2031	5,169,952	1,253,894	2,471,979	38,923	8,934,748
FRCST 2032	5,258,282	1,278,322	2,484,338	38,923	9,059,865
FRCST 2033	5,349,406	1,303,031	2,449,323	38,923	9,140,683
FRCST 2034	5,445,990	1,328,024	2,425,991	38,923	9,238,928
FRCST 2035	5,546,538	1,353,304	2,402,540	38,923	9,341,304
FRCST 2036	5,648,079	1,378,869	2,414,556	38,923	9,484,426

***** HIGH SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems – AGGREGATED NUMBER OF CONSUMERS

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%
2010 -2015	1.12%	2.82%	14	1027	1.26%
2016 -2021	0.88%	1.48%	-2	0	0.90%
2021 -2026	0.93%	1.46%	-3	0	0.94%
2026 -2031	0.94%	1.52%	-1	0	0.96%
2031 -2036	0.94%	1.51%	-1	0	0.96%

***** HIGH SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems – AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	-0.76%	2.33%	3.87%	2.59%	0.90%
2016 -2021	1.66%	1.73%	1.72%	0.00%	1.68%
2021 -2026	1.54%	1.61%	0.75%	0.00%	1.31%
2026 -2031	1.64%	1.97%	0.48%	0.00%	1.35%
2031 -2036	1.78%	1.92%	-0.47%	0.00%	1.19%

2005 -2015	0.89%	1.90%	42	1308	0.98%
2016 -2036	0.92%	1.49%	-7	0	0.94%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%
ACTUAL 2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%
ACTUAL 2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%
ACTUAL 2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%
ACTUAL 2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%
ACTUAL 2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%
ACTUAL 2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%
ACTUAL 2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%
ACTUAL 2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%
ACTUAL 2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%
ACTUAL 2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%
FRCST 2016	7,521,378	7,858,460	1,448	1,403	1,443	1,399	1,513	1,466	59.1%
FRCST 2017	7,691,231	8,021,300	1,486	1,436	1,481	1,432	1,550	1,499	59.1%
FRCST 2018	7,808,715	8,143,935	1,509	1,459	1,504	1,455	1,574	1,523	59.0%
FRCST 2019	7,937,076	8,277,922	1,533	1,485	1,529	1,481	1,600	1,550	59.1%
FRCST 2020	8,055,680	8,401,727	1,556	1,511	1,552	1,507	1,624	1,577	58.9%
FRCST 2021	8,173,976	8,525,209	1,579	1,537	1,575	1,533	1,648	1,605	59.0%
FRCST 2022	8,279,448	8,635,305	1,596	1,572	1,592	1,567	1,666	1,641	59.2%
FRCST 2023	8,385,212	8,745,706	1,616	1,594	1,611	1,589	1,686	1,663	59.2%
FRCST 2024	8,495,526	8,860,856	1,635	1,616	1,631	1,612	1,707	1,687	59.1%
FRCST 2025	8,608,785	8,979,081	1,656	1,640	1,651	1,635	1,728	1,711	59.3%
FRCST 2026	8,724,962	9,100,351	1,677	1,663	1,672	1,659	1,750	1,736	59.4%
FRCST 2027	8,838,777	9,219,156	1,699	1,687	1,694	1,682	1,773	1,761	59.4%
FRCST 2028	8,960,387	9,346,097	1,724	1,711	1,719	1,707	1,799	1,786	59.1%
FRCST 2029	9,082,274	9,473,328	1,748	1,736	1,743	1,731	1,825	1,812	59.3%
FRCST 2030	9,206,004	9,602,482	1,773	1,761	1,767	1,757	1,850	1,839	59.3%
FRCST 2031	9,330,978	9,732,935	1,797	1,787	1,792	1,782	1,876	1,865	59.2%
FRCST 2032	9,461,856	9,869,551	1,823	1,813	1,818	1,808	1,903	1,893	59.0%
FRCST 2033	9,546,841	9,958,262	1,842	1,832	1,836	1,827	1,922	1,912	59.1%
FRCST 2034	9,649,947	10,065,888	1,863	1,853	1,857	1,848	1,944	1,934	59.1%
FRCST 2035	9,757,413	10,178,066	1,884	1,875	1,878	1,870	1,966	1,957	59.1%
FRCST 2036	9,903,006	10,330,042	1,912	1,903	1,906	1,898	1,995	1,987	58.9%

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems ENERGY PURCHASED (% CHG.)		Adjusted for Systems ENERGY GENERATED (% CHG.)		Adjusted for Systems AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG)		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND				ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	Without Losses (% Chg)	With Losses (% Chg)	Without Losses (% Chg)	With Losses (% Chg)	Without Losses (% Chg)	With Losses (% Chg)	Without Losses (% Chg)	With Losses (% Chg)	Without Losses (% Chg)	With Losses (% Chg)	
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%		
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%		
2016 -2021	1.68%	1.64%	1.76%	1.85%	1.76%	1.85%	1.73%	1.82%	59.04%		
2021 -2026	1.31%	1.31%	1.20%	1.59%	1.20%	1.59%	1.20%	1.59%	59.20%		
2026 -2031	1.35%	1.35%	1.40%	1.44%	1.40%	1.44%	1.40%	1.44%	59.27%		
2031 -2036	1.20%	1.20%	1.24%	1.27%	1.24%	1.27%	1.24%	1.27%	59.09%		
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%		
2016 -2036	1.38%	1.38%	1.40%	1.54%	1.40%	1.54%	1.39%	1.53%	59.14%		

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,613	1,556	1,690	1,631	52.9%
FRCST 2017	1,654	1,593	1,731	1,667	52.9%
FRCST 2018	1,680	1,619	1,758	1,694	52.9%
FRCST 2019	1,707	1,647	1,787	1,724	52.9%
FRCST 2020	1,734	1,676	1,814	1,754	52.7%
FRCST 2021	1,759	1,705	1,842	1,785	52.8%
FRCST 2022	1,784	1,748	1,868	1,830	52.8%
FRCST 2023	1,806	1,773	1,891	1,856	52.8%
FRCST 2024	1,829	1,798	1,915	1,882	52.7%
FRCST 2025	1,852	1,824	1,939	1,910	52.9%
FRCST 2026	1,876	1,851	1,964	1,938	52.9%
FRCST 2027	1,901	1,877	1,990	1,965	52.9%
FRCST 2028	1,929	1,904	2,019	1,993	52.7%
FRCST 2029	1,956	1,932	2,048	2,022	52.8%
FRCST 2030	1,984	1,960	2,077	2,052	52.8%
FRCST 2031	2,012	1,988	2,106	2,081	52.8%
FRCST 2032	2,041	2,018	2,136	2,112	52.6%
FRCST 2033	2,061	2,038	2,158	2,134	52.7%
FRCST 2034	2,085	2,062	2,183	2,159	52.6%
FRCST 2035	2,109	2,087	2,208	2,184	52.6%
FRCST 2036	2,140	2,118	2,241	2,217	52.5%

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO RESULTS *****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND

ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)

TIME PERIOD	<u>Without Losses (% Chg)</u>		<u>With Losses (% Chg)</u>		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	1.76%	1.84%	1.73%	1.82%	52.86%
2021 -2026	1.30%	1.66%	1.30%	1.66%	52.81%
2026 -2031	1.40%	1.44%	1.40%	1.44%	52.81%
2031 -2036	1.25%	1.27%	1.25%	1.27%	52.63%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	1.43%	1.55%	1.42%	1.55%	52.77%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Aggregated Member System Data

Aggregated Member System Data

NUMBER OF CONSUMERS

SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,568	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,077,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	284,173	13,971	227	2,936	301,307	4,065,358	963,598	1,973,202	38,923	7,041,082
FRCST 2017	286,624	14,180	227	2,936	303,967	4,142,017	978,796	2,043,852	38,923	7,203,589
FRCST 2018	289,181	14,391	225	2,936	306,733	4,211,144	995,491	2,070,620	38,923	7,316,178
FRCST 2019	291,703	14,603	225	2,936	309,467	4,276,013	1,014,074	2,109,821	38,923	7,438,831
FRCST 2020	294,331	14,817	225	2,936	312,309	4,345,440	1,033,643	2,134,279	38,923	7,552,285
FRCST 2021	296,925	15,034	225	2,936	315,120	4,413,919	1,049,889	2,162,738	38,923	7,665,470
FRCST 2022	299,643	15,256	223	2,936	318,058	4,482,731	1,065,187	2,179,469	38,923	7,766,311
FRCST 2023	302,380	15,482	223	2,936	321,021	4,550,843	1,080,625	2,197,043	38,923	7,867,344
FRCST 2024	305,224	15,710	223	2,936	324,093	4,621,128	1,097,570	2,215,325	38,923	7,972,947
FRCST 2025	308,036	15,938	223	2,936	327,133	4,690,649	1,118,137	2,233,530	38,923	8,081,239
FRCST 2026	310,964	16,165	222	2,936	330,287	4,765,050	1,137,097	2,251,263	38,923	8,192,333
FRCST 2027	313,839	16,413	221	2,936	333,409	4,842,213	1,159,922	2,260,625	38,923	8,301,684
FRCST 2028	316,788	16,668	221	2,936	336,613	4,923,276	1,183,014	2,272,740	38,923	8,417,953
FRCST 2029	319,761	16,922	221	2,936	339,840	5,004,260	1,206,373	2,284,917	38,923	8,534,473
FRCST 2030	322,844	17,177	221	2,936	343,178	5,086,684	1,229,995	2,297,155	38,923	8,652,757
FRCST 2031	325,896	17,434	221	2,936	346,487	5,169,952	1,253,894	2,309,454	38,923	8,772,223
FRCST 2032	328,961	17,702	221	2,936	349,820	5,258,282	1,278,322	2,321,813	38,923	8,897,340
FRCST 2033	332,024	17,969	221	2,936	353,150	5,349,406	1,303,031	2,286,798	38,923	8,978,158
FRCST 2034	335,211	18,238	221	2,936	356,606	5,445,990	1,328,024	2,263,466	38,923	9,076,403
FRCST 2035	338,364	18,512	220	2,936	360,032	5,546,538	1,353,304	2,240,015	38,923	9,178,780
FRCST 2036	341,498	18,788	220	2,936	363,442	5,648,079	1,378,869	2,252,031	38,923	9,317,902

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems & Ind. -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind. -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.88%	1.48%	-2	0	0.90%	1.66%	1.73%	1.85%	0.00%	1.71%
2021 -2026	0.93%	1.46%	-3	0	0.94%	1.54%	1.61%	0.81%	0.00%	1.34%
2026 -2031	0.94%	1.52%	-1	0	0.96%	1.64%	1.97%	0.51%	0.00%	1.38%
2031 -2036	0.94%	1.51%	-1	0	0.96%	1.78%	1.92%	-0.50%	0.00%	1.21%

2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.92%	1.49%	-7	0	0.94%	1.66%	1.81%	0.66%	0.00%	1.41%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	AGGREGATED TOTAL MEMBER ENERGY PUR- CHASED (MWH)	ENERGY GEN- ERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITHOUT LOSSES) (WITH LOSSES)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	1,291	1,150	1,355	53.8%
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,188,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	7,358,853	7,695,935	1,432	1,387	1,428	1,384	1,497	1,451	58.5%
FRCST 2017	7,528,706	7,858,775	1,470	1,421	1,466	1,417	1,535	1,484	58.4%
FRCST 2018	7,646,191	7,981,410	1,493	1,444	1,489	1,440	1,559	1,508	58.4%
FRCST 2019	7,774,551	8,115,398	1,518	1,469	1,513	1,465	1,584	1,535	58.5%
FRCST 2020	7,893,156	8,239,202	1,541	1,496	1,536	1,492	1,609	1,562	58.3%
FRCST 2021	8,011,452	8,362,684	1,564	1,522	1,559	1,518	1,633	1,589	58.5%
FRCST 2022	8,116,924	8,472,780	1,581	1,556	1,576	1,552	1,650	1,625	58.6%
FRCST 2023	8,222,688	8,583,181	1,600	1,578	1,596	1,574	1,671	1,648	58.6%
FRCST 2024	8,333,001	8,698,331	1,620	1,601	1,615	1,596	1,692	1,672	58.5%
FRCST 2025	8,446,261	8,816,556	1,640	1,624	1,636	1,620	1,713	1,696	58.8%
FRCST 2026	8,562,438	8,937,826	1,661	1,648	1,657	1,644	1,735	1,721	58.8%
FRCST 2027	8,676,253	9,056,631	1,684	1,671	1,679	1,667	1,758	1,745	58.8%
FRCST 2028	8,797,862	9,183,572	1,708	1,696	1,703	1,691	1,784	1,771	58.6%
FRCST 2029	8,919,750	9,310,803	1,733	1,721	1,728	1,716	1,809	1,797	58.7%
FRCST 2030	9,043,480	9,439,958	1,757	1,746	1,752	1,741	1,835	1,823	58.7%
FRCST 2031	9,168,453	9,570,411	1,782	1,772	1,777	1,767	1,861	1,850	58.7%
FRCST 2032	9,299,331	9,707,026	1,808	1,798	1,803	1,793	1,888	1,878	58.5%
FRCST 2033	9,384,316	9,795,737	1,826	1,816	1,821	1,811	1,907	1,897	58.6%
FRCST 2034	9,487,422	9,903,364	1,847	1,838	1,842	1,833	1,929	1,919	58.6%
FRCST 2035	9,594,888	10,015,541	1,869	1,859	1,863	1,854	1,951	1,942	58.6%
FRCST 2036	9,740,481	10,167,517	1,896	1,888	1,891	1,883	1,980	1,971	58.5%

***** HIGH SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems & Ind ENERGY PURCHASED (% CHG.)		Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg) With Losses (% Chg)				ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	ENERGY GENERATED (% CHG.)	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		
2005 -2010	2.28%	2.37%	2.96%	1.02%	3.32%	1.14%	3.37%	1.10%	54.92%
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	1.71%	1.68%	1.78%	1.87%	1.78%	1.87%	1.75%	1.84%	58.44%
2021 -2026	1.34%	1.34%	1.22%	1.61%	1.22%	1.61%	1.22%	1.61%	58.64%
2026 -2031	1.38%	1.38%	1.41%	1.46%	1.41%	1.46%	1.41%	1.46%	58.74%
2031 -2036	1.22%	1.22%	1.25%	1.28%	1.25%	1.28%	1.25%	1.28%	58.60%
2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	1.41%	1.40%	1.41%	1.55%	1.41%	1.55%	1.41%	1.55%	58.60%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,597	1,541	1,675	1,616	52.3%
FRCST 2017	1,639	1,578	1,716	1,652	52.3%
FRCST 2018	1,664	1,603	1,743	1,679	52.3%
FRCST 2019	1,692	1,632	1,772	1,709	52.3%
FRCST 2020	1,718	1,661	1,799	1,739	52.1%
FRCST 2021	1,744	1,690	1,826	1,769	52.3%
FRCST 2022	1,769	1,733	1,852	1,815	52.2%
FRCST 2023	1,791	1,758	1,875	1,840	52.2%
FRCST 2024	1,814	1,783	1,899	1,867	52.1%
FRCST 2025	1,837	1,809	1,924	1,894	52.3%
FRCST 2026	1,861	1,836	1,949	1,922	52.4%
FRCST 2027	1,886	1,862	1,975	1,949	52.3%
FRCST 2028	1,914	1,889	2,004	1,978	52.2%
FRCST 2029	1,941	1,917	2,032	2,007	52.3%
FRCST 2030	1,968	1,945	2,061	2,036	52.3%
FRCST 2031	1,996	1,973	2,090	2,066	52.3%
FRCST 2032	2,025	2,003	2,121	2,097	52.1%
FRCST 2033	2,046	2,023	2,142	2,118	52.2%
FRCST 2034	2,070	2,047	2,167	2,143	52.2%
FRCST 2035	2,094	2,071	2,192	2,169	52.1%
FRCST 2036	2,125	2,103	2,225	2,202	52.0%

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO RESULTS *****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	1.77%	1.86%	1.74%	1.83%	52.26%
2021 -2026	1.31%	1.67%	1.31%	1.67%	52.26%
2026 -2031	1.41%	1.45%	1.41%	1.45%	52.29%
2031 -2036	1.26%	1.28%	1.26%	1.28%	52.15%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	1.44%	1.57%	1.43%	1.56%	52.23%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)	
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0
ACTUAL 2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0
ACTUAL 2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0
ACTUAL 2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0
ACTUAL 2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0
ACTUAL 2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0
ACTUAL 2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0
ACTUAL 2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0
FRCST 2016	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2017	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2018	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2019	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2020	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2021	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2022	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2023	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2024	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2025	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2026	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2027	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2028	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2029	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2030	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2031	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2032	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2033	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2034	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2035	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2036	99.71%	99.72%	100.00%	0	0	100.00%	0	0

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)	
	WINTER (AVERAGE)	SUMMER (AVERAGE)
2005 -2010	98.42%	99.15%
2010 -2015	99.50%	99.68%
2016 -2021	99.71%	99.72%
2021 -2026	99.71%	99.72%
2026 -2031	99.71%	99.72%
2031 -2036	99.71%	99.72%
2005 -2015	98.94%	99.41%
2016 -2036	99.71%	99.72%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

YEAR	PERCENTAGE of IN #92 Served by H.E.		IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.		IL #2 served by H.E. (Yes=0 , No= 1)	
			WINTER	SUMMER			WINTER	SUMMER
ACTUAL 2005	51.0%		1	0	0.0%		1	1
ACTUAL 2006	100.0%		0	0	0.0%		1	1
ACTUAL 2007	100.0%		0	0	0.0%		1	1
ACTUAL 2008	100.0%		0	0	0.0%		1	1
ACTUAL 2009	100.0%		0	0	0.0%		1	1
ACTUAL 2010	100.0%		0	0	0.0%		1	1
ACTUAL 2011	100.0%		0	0	100.0%		0	0
ACTUAL 2012	100.0%		0	0	100.0%		0	0
ACTUAL 2013	100.0%		0	0	100.0%		0	0
ACTUAL 2014	100.0%		0	0	100.0%		0	0
ACTUAL 2015	100.0%		0	0	100.0%		0	0

FRCST 2016	100.00%		0	0	100.00%		0	0
FRCST 2017	100.00%		0	0	100.00%		0	0
FRCST 2018	100.00%		0	0	100.00%		0	0
FRCST 2019	100.00%		0	0	100.00%		0	0
FRCST 2020	100.00%		0	0	100.00%		0	0
FRCST 2021	100.00%		0	0	100.00%		0	0
FRCST 2022	100.00%		0	0	100.00%		0	0
FRCST 2023	100.00%		0	0	100.00%		0	0
FRCST 2024	100.00%		0	0	100.00%		0	0
FRCST 2025	100.00%		0	0	100.00%		0	0
FRCST 2026	100.00%		0	0	100.00%		0	0
FRCST 2027	100.00%		0	0	100.00%		0	0
FRCST 2028	100.00%		0	0	100.00%		0	0
FRCST 2029	100.00%		0	0	100.00%		0	0
FRCST 2030	100.00%		0	0	100.00%		0	0
FRCST 2031	100.00%		0	0	100.00%		0	0
FRCST 2032	100.00%		0	0	100.00%		0	0
FRCST 2033	100.00%		0	0	100.00%		0	0
FRCST 2034	100.00%		0	0	100.00%		0	0
FRCST 2035	100.00%		0	0	100.00%		0	0
FRCST 2036	100.00%		0	0	100.00%		0	0

***** HIGH SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

		<u>DSM EE Program Energy Impact</u>				<u>DSM Demand Impacts-- Both EE & DR Programs)</u> <u>Coincident 60 Minute Demand MW</u>			
		<u>Aggregated Total Member Energy</u>		<u>Total Member Energy</u>		<u>Savings w/o Losses</u>		<u>Savings with Losses</u>	
YEAR		<u>Purchased Savings MWH</u>	<u>Percent of Total</u>	<u>Generated Savings MWH</u>	<u>Percent of Total</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
ACTUAL	2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2009	25,159	0.4%	26,189	0.4%	8.978	3.703	9.436	3.892
ACTUAL	2010	49,468	0.7%	51,663	0.7%	20.610	10.725	21.633	11.257
ACTUAL	2011	81,677	1.2%	85,143	1.2%	32.274	17.657	33.686	18.429
ACTUAL	2012	103,470	1.5%	107,053	1.5%	40.343	23.563	41.924	24.487
ACTUAL	2013	125,031	1.7%	128,352	1.7%	46.802	17.811	48.342	18.397
ACTUAL	2014	144,763	1.9%	149,549	1.9%	52.425	32.103	54.265	33.229
ACTUAL	2015	164,860	2.2%	171,568	2.2%	64.045	26.789	66.824	27.952
FRCST	2016	199,722	2.6%	208,871	2.6%	73.329	45.453	76.889	47.660
FRCST	2017	189,862	2.5%	198,186	2.5%	66.028	42.103	69.140	44.087
FRCST	2018	199,662	2.5%	208,415	2.5%	69.365	43.704	72.634	45.763
FRCST	2019	212,540	2.7%	221,858	2.7%	73.411	45.300	76.870	47.435
FRCST	2020	225,162	2.8%	235,034	2.8%	76.119	44.179	79.706	46.261
FRCST	2021	238,478	2.9%	248,933	2.9%	79.062	43.411	82.787	45.456
FRCST	2022	252,145	3.0%	263,199	3.0%	82.886	43.832	86.792	45.897
FRCST	2023	266,545	3.1%	278,231	3.1%	87.480	45.304	91.602	47.439
FRCST	2024	279,938	3.3%	292,211	3.3%	92.227	46.678	96.573	48.878
FRCST	2025	289,990	3.3%	302,703	3.3%	96.562	47.268	101.112	49.495
FRCST	2026	301,532	3.4%	314,751	3.4%	101.009	48.155	105.769	50.425
FRCST	2027	305,978	3.4%	319,393	3.4%	102.416	47.741	107.242	49.991
FRCST	2028	308,964	3.4%	322,509	3.4%	102.639	47.370	107.475	49.602
FRCST	2029	313,178	3.4%	326,908	3.4%	103.331	47.164	108.200	49.386
FRCST	2030	318,295	3.4%	332,250	3.4%	104.584	46.875	109.512	49.083
FRCST	2031	323,036	3.4%	337,199	3.4%	105.702	46.531	110.682	48.723
FRCST	2032	327,358	3.4%	341,710	3.4%	106.703	46.375	111.731	48.560
FRCST	2033	332,861	3.4%	347,454	3.4%	108.111	46.842	113.205	49.050
FRCST	2034	337,771	3.4%	352,580	3.4%	109.870	47.240	115.047	49.466
FRCST	2035	341,158	3.4%	356,115	3.4%	112.006	47.961	117.284	50.220
FRCST	2036	345,687	3.4%	360,842	3.4%	114.364	48.712	119.753	51.008

***** HIGH SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

DSM -- EE Program Demand Impacts
Coincident 60 Minute Demand MW

DSM -- DR Program Demand Impacts
Coincident 60 Minute Demand MW

YEAR	Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL 2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL 2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL 2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL 2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL 2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL 2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL 2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST 2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST 2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST 2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST 2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST 2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.352
FRCST 2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST 2022	77.714	35.202	81.376	36.860	5.172	8.630	5.416	9.037
FRCST 2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST 2024	86.887	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST 2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST 2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST 2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST 2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST 2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST 2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST 2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST 2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST 2033	101.231	36.834	106.001	38.569	6.879	10.009	7.203	10.480
FRCST 2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST 2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST 2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** HIGH SCENARIO WITH DSM IMPACTS *****

***** HIGH SCENARIO WITH DSM IMPACTS *****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

Appendix A4

Historical/Forecast Annual Load Summary – Low Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

Aggregated Member System Data NUMBER OF CONSUMERS						Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	282,199	13,826	193	2,936	299,154	4,021,692	953,697	1,765,641	38,923	6,779,954
FRCST 2017	282,662	13,896	193	2,936	299,687	4,046,446	958,501	1,816,785	38,923	6,860,656
FRCST 2018	283,200	13,964	191	2,936	300,291	4,058,626	964,441	1,823,438	38,923	6,885,428
FRCST 2019	283,686	14,030	191	2,936	300,843	4,063,316	971,883	1,842,354	38,923	6,916,476
FRCST 2020	284,255	14,098	191	2,936	301,480	4,070,030	979,926	1,846,238	38,923	6,935,117
FRCST 2021	284,768	14,163	191	2,936	302,058	4,074,039	984,418	1,853,987	38,923	6,951,367
FRCST 2022	285,379	14,233	189	2,936	302,737	4,076,851	987,709	1,849,821	38,923	6,953,305
FRCST 2023	285,988	14,297	189	2,936	303,410	4,077,666	990,837	1,846,434	38,923	6,953,860
FRCST 2024	286,674	14,364	189	2,936	304,163	4,079,165	995,157	1,843,686	38,923	6,956,931
FRCST 2025	287,305	14,428	189	2,936	304,858	4,078,819	1,002,792	1,840,779	38,923	6,961,313
FRCST 2026	288,021	14,491	188	2,936	305,636	4,081,619	1,008,506	1,837,328	38,923	6,966,375
FRCST 2027	288,661	14,573	187	2,936	306,357	4,086,110	1,017,742	1,825,437	38,923	6,968,212
FRCST 2028	289,352	14,650	187	2,936	307,125	4,092,978	1,026,915	1,816,311	38,923	6,975,126
FRCST 2029	290,043	14,724	187	2,936	307,890	4,098,450	1,036,029	1,807,230	38,923	6,980,632
FRCST 2030	290,807	14,803	187	2,936	308,733	4,103,779	1,045,083	1,798,194	38,923	6,985,979
FRCST 2031	291,517	14,877	187	2,936	309,517	4,108,734	1,054,085	1,789,199	38,923	6,990,941
FRCST 2032	292,216	14,956	187	2,936	310,295	4,116,592	1,063,244	1,780,258	38,923	6,999,017
FRCST 2033	292,890	15,031	187	2,936	311,044	4,125,211	1,072,346	1,723,918	38,923	6,960,398
FRCST 2034	293,649	15,109	187	2,936	311,881	4,136,893	1,081,383	1,679,721	38,923	6,936,920
FRCST 2035	294,358	15,181	186	2,936	312,661	4,150,635	1,090,369	1,635,743	38,923	6,915,669
FRCST 2036	295,023	15,258	186	2,936	313,403	4,163,477	1,099,290	1,627,566	38,923	6,929,255

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.18%	0.48%	-2	0	0.19%	0.26%	0.64%	0.98%	0.00%	0.50%
2021 -2026	0.23%	0.46%	-3	0	0.24%	0.04%	0.48%	-0.18%	0.00%	0.04%
2026 -2031	0.24%	0.53%	-1	0	0.25%	0.89%	0.13%	-0.53%	0.00%	0.07%
2031 -2036	0.24%	0.51%	-1	0	0.25%	0.27%	0.84%	-1.88%	0.00%	-0.18%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.22%	0.49%	-7	0	0.23%	0.17%	0.71%	-0.41%	0.00%	0.11%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****				
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED for H.E. MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)				
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)		
						WINTER	SUMMER	WINTER	SUMMER	
ACTUAL	2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392
ACTUAL	2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405
ACTUAL	2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421
ACTUAL	2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317
ACTUAL	2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306
ACTUAL	2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462
ACTUAL	2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441
ACTUAL	2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,426	1,631	1,278	1,478
ACTUAL	2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351
ACTUAL	2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348
ACTUAL	2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363
FRCST	2016	7,081,778	7,398,724	4.38%	4.63%	75.500	1,501	1,489	1,370	1,326
FRCST	2017	7,166,102	7,473,149	4.20%	4.50%	75.760	1,524	1,509	1,391	1,344
FRCST	2018	7,191,760	7,499,931	4.20%	4.50%	76.830	1,529	1,516	1,396	1,349
FRCST	2019	7,224,328	7,533,927	4.20%	4.50%	77.430	1,535	1,524	1,401	1,357
FRCST	2020	7,243,780	7,554,232	4.20%	4.50%	76.540	1,537	1,530	1,405	1,365
FRCST	2021	7,260,703	7,571,897	4.20%	4.50%	76.800	1,539	1,536	1,408	1,371
FRCST	2022	7,262,744	7,574,028	4.20%	4.50%	78.340	1,535	1,536	1,404	1,385
FRCST	2023	7,263,336	7,574,645	4.20%	4.50%	79.910	1,534	1,538	1,402	1,387
FRCST	2024	7,266,519	7,577,968	4.20%	4.50%	81.510	1,533	1,540	1,401	1,389
FRCST	2025	7,271,109	7,582,759	4.20%	4.50%	83.140	1,532	1,543	1,400	1,392
FRCST	2026	7,276,402	7,588,284	4.20%	4.50%	84.800	1,531	1,547	1,398	1,394
FRCST	2027	7,277,866	7,589,812	4.20%	4.50%	86.500	1,532	1,549	1,398	1,396
FRCST	2028	7,285,120	7,597,384	4.20%	4.50%	88.230	1,534	1,552	1,400	1,399
FRCST	2029	7,290,911	7,603,429	4.20%	4.50%	89.990	1,535	1,555	1,401	1,402
FRCST	2030	7,296,535	7,609,299	4.20%	4.50%	91.790	1,536	1,558	1,402	1,404
FRCST	2031	7,301,760	7,614,754	4.20%	4.50%	93.630	1,537	1,561	1,403	1,407
FRCST	2032	7,310,236	7,623,601	4.20%	4.50%	93.630	1,539	1,564	1,405	1,410
FRCST	2033	7,270,305	7,581,920	4.20%	4.50%	93.630	1,531	1,557	1,398	1,404
FRCST	2034	7,246,100	7,556,654	4.20%	4.50%	93.630	1,526	1,553	1,393	1,401
FRCST	2035	7,224,252	7,533,847	4.20%	4.50%	93.630	1,521	1,550	1,389	1,398
FRCST	2036	7,238,530	7,548,751	4.20%	4.50%	93.630	1,523	1,553	1,390	1,401

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****			
TIME PERIOD	AGGREGATED H.E. ENERGY TOTAL ENERGY GENERATED PURCHASED FOR MEMBERS (% CHG.)		AVG. MONTHLY LOSS FACTORS due to MEMBERS ENERGY DEMAND (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
						Non-Coincident (% Chg)		Coincident (% Chg)	
						WINTER	SUMMER	WINTER	SUMMER
2005 -2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%
2010 -2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%
2016 -2021	0.50%	0.46%	4.23%	4.52%	0.34%	0.51%	0.62%	0.54%	0.67%
2021 -2026	0.04%	0.04%	4.20%	4.50%	2.00%	-0.10%	0.14%	-0.13%	0.33%
2026 -2031	0.07%	0.07%	4.20%	4.50%	2.00%	0.08%	0.18%	0.07%	0.18%
2031 -2036	-0.17%	-0.17%	4.20%	4.50%	0.00%	-0.19%	-0.10%	-0.18%	-0.08%
2005 -2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%
2016 -2036	0.11%	0.10%	4.21%	4.51%	1.08%	0.07%	0.21%	0.07%	0.28%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW)					H.E. ANNUAL LOAD FACTOR Due To COINCIDENT PEAK	HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW)					H.E. ANNUAL LOAD FACTOR Due To NON-COIN. PEAK
YEAR	(WITHOUT LOSSES)		(WITH LOSSES)			(WITHOUT LOSSES)		(WITH LOSSES)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL	2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%
ACTUAL	2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%
ACTUAL	2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%
ACTUAL	2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%
ACTUAL	2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%
ACTUAL	2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%
ACTUAL	2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%
ACTUAL	2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%
ACTUAL	2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.5%
ACTUAL	2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%
ACTUAL	2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%
FRCST	2016	1,366	1,323	1,432	1,386	58.8%	1,497	1,485	1,568	1,556	53.7%
FRCST	2017	1,387	1,340	1,452	1,402	58.8%	1,520	1,505	1,590	1,574	53.7%
FRCST	2018	1,392	1,346	1,457	1,408	58.8%	1,525	1,511	1,595	1,581	53.7%
FRCST	2019	1,397	1,353	1,462	1,416	58.8%	1,530	1,520	1,601	1,590	53.7%
FRCST	2020	1,401	1,361	1,466	1,424	58.7%	1,533	1,526	1,604	1,597	53.6%
FRCST	2021	1,404	1,368	1,469	1,431	58.8%	1,535	1,532	1,606	1,602	53.8%
FRCST	2022	1,400	1,381	1,465	1,446	59.0%	1,531	1,532	1,602	1,603	54.0%
FRCST	2023	1,398	1,383	1,464	1,448	59.1%	1,529	1,534	1,600	1,605	53.9%
FRCST	2024	1,397	1,385	1,462	1,450	59.0%	1,528	1,536	1,599	1,607	53.7%
FRCST	2025	1,396	1,388	1,461	1,453	59.3%	1,528	1,539	1,598	1,610	53.8%
FRCST	2026	1,394	1,391	1,459	1,455	59.4%	1,527	1,542	1,598	1,614	53.7%
FRCST	2027	1,394	1,392	1,459	1,457	59.4%	1,527	1,545	1,598	1,616	53.6%
FRCST	2028	1,396	1,395	1,461	1,460	59.2%	1,529	1,548	1,600	1,619	53.4%
FRCST	2029	1,397	1,398	1,462	1,463	59.3%	1,531	1,551	1,602	1,622	53.5%
FRCST	2030	1,398	1,400	1,463	1,466	59.3%	1,532	1,554	1,603	1,625	53.4%
FRCST	2031	1,399	1,403	1,464	1,468	59.2%	1,533	1,557	1,604	1,629	53.4%
FRCST	2032	1,401	1,406	1,466	1,472	59.0%	1,535	1,560	1,606	1,632	53.2%
FRCST	2033	1,394	1,400	1,459	1,466	59.1%	1,527	1,553	1,598	1,625	53.3%
FRCST	2034	1,389	1,397	1,454	1,462	59.0%	1,522	1,549	1,592	1,621	53.2%
FRCST	2035	1,385	1,394	1,449	1,459	58.9%	1,516	1,545	1,587	1,617	53.2%
FRCST	2036	1,386	1,397	1,451	1,463	58.8%	1,518	1,549	1,589	1,621	53.0%

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****					
HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					H.E. ANNUAL NON-COIN. LOAD FACTOR (AVERAGE)
TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)			Without Losses (% Chg)		With Losses (% Chg)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
2005-2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%	
2010-2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%	
2016-2021	0.54%	0.67%	0.51%	0.65%	58.78%	0.51%	0.62%	0.48%	0.59%	53.70%	
2021-2026	-0.13%	0.33%	-0.13%	0.33%	59.09%	-0.10%	0.14%	-0.10%	0.14%	53.80%	
2026-2031	0.07%	0.18%	0.07%	0.18%	59.29%	0.08%	0.18%	0.08%	0.18%	53.50%	
2031-2036	-0.18%	-0.08%	-0.19%	-0.08%	58.99%	-0.19%	-0.10%	-0.19%	-0.10%	53.21%	
2005-2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%	
2016-2036	0.07%	0.28%	0.07%	0.27%	59.02%	0.07%	0.21%	0.07%	0.20%	53.54%	

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****					
**** EXTREME TEMPERATURE CONDITIONS ****						**** EXTREME TEMPERATURE CONDITIONS ****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)						HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)						HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)					
YEAR	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due to EXTREME COINCIDENT PEAK	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due To EXTREME NON-COIN. PEAK	
ACTUAL	2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL	2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	
FRCST	2016	1,529	1,473	1,602	1,544	52.6%	1,672	1,652	1,752	1,731	48.1%
FRCST	2017	1,551	1,492	1,623	1,562	52.6%	1,697	1,674	1,775	1,751	48.1%
FRCST	2018	1,556	1,498	1,629	1,568	52.6%	1,702	1,681	1,781	1,759	48.1%
FRCST	2019	1,563	1,507	1,636	1,577	52.6%	1,709	1,691	1,788	1,769	48.1%
FRCST	2020	1,567	1,515	1,640	1,586	52.4%	1,712	1,698	1,792	1,776	48.0%
FRCST	2021	1,570	1,523	1,644	1,594	52.6%	1,715	1,704	1,795	1,783	48.2%
FRCST	2022	1,572	1,543	1,645	1,615	52.5%	1,717	1,709	1,796	1,788	48.1%
FRCST	2023	1,571	1,545	1,644	1,617	52.6%	1,716	1,711	1,795	1,791	48.2%
FRCST	2024	1,570	1,548	1,643	1,620	52.5%	1,715	1,714	1,794	1,794	48.1%
FRCST	2025	1,569	1,551	1,642	1,623	52.7%	1,714	1,718	1,794	1,797	48.2%
FRCST	2026	1,568	1,554	1,641	1,626	52.8%	1,714	1,721	1,794	1,801	48.1%
FRCST	2027	1,568	1,556	1,641	1,629	52.8%	1,715	1,724	1,794	1,804	48.0%
FRCST	2028	1,570	1,559	1,644	1,632	52.6%	1,717	1,727	1,797	1,807	47.9%
FRCST	2029	1,572	1,562	1,645	1,635	52.8%	1,719	1,730	1,799	1,811	47.9%
FRCST	2030	1,573	1,565	1,646	1,638	52.8%	1,720	1,734	1,800	1,814	47.9%
FRCST	2031	1,574	1,568	1,648	1,641	52.8%	1,722	1,737	1,802	1,818	47.8%
FRCST	2032	1,576	1,571	1,650	1,644	52.6%	1,724	1,741	1,804	1,821	47.6%
FRCST	2033	1,569	1,565	1,642	1,638	52.7%	1,716	1,733	1,795	1,813	47.7%
FRCST	2034	1,564	1,562	1,637	1,635	52.7%	1,710	1,729	1,789	1,809	47.7%
FRCST	2035	1,559	1,558	1,632	1,631	52.7%	1,704	1,725	1,783	1,805	47.7%
FRCST	2036	1,561	1,562	1,634	1,635	52.6%	1,707	1,729	1,786	1,809	47.5%

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****					
**** EXTREME TEMPERATURE CONDITIONS ****						**** EXTREME TEMPERATURE CONDITIONS ****					
HOOSIER ENERGY COINCIDENT PEAK (60 MIN.)						HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.)					
Without Losses (% Chg)						Without Losses (% Chg)					
With Losses (% Chg)						With Losses (% Chg)					
TIME PERIOD	WINTER	SUMMER	WINTER	SUMMER	EXTREME COIN. H.E. ANNUAL LOAD FACTOR (AVERAGE)	WINTER	SUMMER	WINTER	SUMMER	EXT. NON-COIN H.E. ANNUAL LOAD FACTOR (AVERAGE)	
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2021	0.54%	0.67%	0.51%	0.64%	52.55%	0.51%	0.61%	0.49%	0.59%	48.08%	
2021 -2026	-0.03%	0.40%	-0.03%	0.40%	52.62%	-0.01%	0.21%	-0.01%	0.21%	48.14%	
2026 -2031	0.08%	0.18%	0.08%	0.18%	52.74%	0.09%	0.18%	0.09%	0.18%	47.94%	
2031 -2036	-0.17%	-0.07%	-0.17%	-0.07%	52.67%	-0.18%	-0.09%	-0.18%	-0.09%	47.67%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2036	0.10%	0.29%	0.10%	0.29%	52.64%	0.10%	0.23%	0.10%	0.22%	47.95%	

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20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****							***** LOW SCENARIO WITH DSM IMPACTS *****				
**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****							**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****				
Aggregated Member System Data NUMBER OF CONSUMERS							Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	
ACTUAL 2005	257,250	11,810	165	1,573	270,798	3,749,514	774,714	1,484,489	33,634	6,042,351	
ACTUAL 2006	260,854	11,986	169	1,707	274,716	3,856,899	824,354	1,545,582	32,678	6,259,513	
ACTUAL 2007	263,908	12,246	191	1,821	278,166	4,088,777	855,093	1,620,151	34,240	6,598,261	
ACTUAL 2008	265,071	12,166	200	1,833	279,270	4,080,904	856,375	1,630,203	33,209	6,600,691	
ACTUAL 2009	265,137	12,281	192	1,836	279,446	3,904,138	818,798	1,564,440	31,738	6,319,115	
ACTUAL 2010	265,890	12,407	193	1,854	280,344	4,158,334	843,557	1,712,254	33,075	6,747,220	
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163	
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406	
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370	
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169	
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982	
FRCST 2016	282,199	13,826	193	2,936	299,154	4,021,692	953,697	1,765,641	38,923	6,779,954	
FRCST 2017	282,662	13,896	193	2,936	299,687	4,046,446	958,501	1,816,785	38,923	6,860,656	
FRCST 2018	283,200	13,964	191	2,936	300,291	4,058,626	964,441	1,823,438	38,923	6,885,428	
FRCST 2019	283,686	14,030	191	2,936	300,843	4,063,316	971,883	1,842,354	38,923	6,916,476	
FRCST 2020	284,255	14,098	191	2,936	301,480	4,070,030	979,926	1,846,238	38,923	6,935,117	
FRCST 2021	284,768	14,163	191	2,936	302,058	4,074,039	984,418	1,853,987	38,923	6,951,367	
FRCST 2022	285,379	14,233	189	2,936	302,737	4,076,851	987,709	1,849,821	38,923	6,953,305	
FRCST 2023	285,988	14,297	189	2,936	303,410	4,077,666	990,837	1,846,434	38,923	6,953,860	
FRCST 2024	286,674	14,364	189	2,936	304,163	4,079,165	995,157	1,843,686	38,923	6,956,931	
FRCST 2025	287,305	14,428	189	2,936	304,858	4,078,819	1,002,792	1,840,779	38,923	6,961,313	
FRCST 2026	288,021	14,491	188	2,936	305,636	4,081,619	1,008,506	1,837,328	38,923	6,966,375	
FRCST 2027	288,661	14,573	187	2,936	306,357	4,086,110	1,017,742	1,825,437	38,923	6,968,212	
FRCST 2028	289,352	14,650	187	2,936	307,125	4,092,978	1,026,915	1,816,311	38,923	6,975,126	
FRCST 2029	290,043	14,724	187	2,936	307,890	4,098,450	1,036,029	1,807,230	38,923	6,980,632	
FRCST 2030	290,807	14,803	187	2,936	308,733	4,103,779	1,045,083	1,798,194	38,923	6,985,979	
FRCST 2031	291,517	14,877	187	2,936	309,517	4,108,734	1,054,085	1,789,199	38,923	6,990,941	
FRCST 2032	292,216	14,956	187	2,936	310,295	4,116,592	1,063,244	1,780,258	38,923	6,999,017	
FRCST 2033	292,890	15,031	187	2,936	311,044	4,125,211	1,072,346	1,723,918	38,923	6,960,398	
FRCST 2034	293,649	15,109	187	2,936	311,881	4,136,893	1,081,383	1,679,721	38,923	6,936,920	
FRCST 2035	294,358	15,181	186	2,936	312,661	4,150,635	1,090,369	1,635,743	38,923	6,915,669	
FRCST 2036	295,023	15,258	186	2,936	313,403	4,163,477	1,099,290	1,627,566	38,923	6,929,255	

***** LOW SCENARIO WITH DSM IMPACTS *****						***** LOW SCENARIO WITH DSM IMPACTS *****				
Adjusted for Systems – AGGREGATED NUMBER OF CONSUMERS						Adjusted for Systems – AGGREGATED ENERGY SALES				
TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	3.87%	2.59%	0.90%
2016 -2021	0.18%	0.48%	-2	0	0.19%	0.26%	0.64%	0.98%	0.00%	0.50%
2021 -2026	0.23%	0.46%	-3	0	0.24%	0.04%	0.48%	-0.18%	0.00%	0.04%
2026 -2031	0.24%	0.53%	-1	0	0.25%	0.13%	0.89%	-0.53%	0.00%	0.07%
2031 -2036	0.24%	0.51%	-1	0	0.25%	0.27%	0.84%	-1.88%	0.00%	-0.18%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.38%	1.12%	1.56%
2016 -2036	0.22%	0.49%	-7	0	0.23%	0.17%	0.71%	-0.41%	0.00%	0.11%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		(WITHOUT LOSSES)		(WITH LOSSES)		
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%
ACTUAL 2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%
ACTUAL 2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%
ACTUAL 2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%
ACTUAL 2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%
ACTUAL 2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%
ACTUAL 2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%
ACTUAL 2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%
ACTUAL 2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%
ACTUAL 2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%
ACTUAL 2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%
FRCST 2016	7,081,778	7,398,724	1,370	1,326	1,366	1,323	1,432	1,386	58.8%
FRCST 2017	7,166,102	7,473,149	1,391	1,344	1,387	1,340	1,452	1,402	58.8%
FRCST 2018	7,191,760	7,499,931	1,396	1,349	1,392	1,346	1,457	1,408	58.8%
FRCST 2019	7,224,328	7,533,927	1,401	1,357	1,397	1,353	1,462	1,416	58.9%
FRCST 2020	7,243,780	7,554,232	1,405	1,365	1,401	1,361	1,466	1,424	58.7%
FRCST 2021	7,260,703	7,571,897	1,408	1,371	1,404	1,368	1,469	1,431	58.8%
FRCST 2022	7,262,744	7,574,028	1,404	1,385	1,400	1,381	1,465	1,446	59.0%
FRCST 2023	7,263,336	7,574,645	1,402	1,387	1,398	1,383	1,464	1,448	59.1%
FRCST 2024	7,266,519	7,577,968	1,401	1,389	1,397	1,385	1,462	1,450	59.0%
FRCST 2025	7,271,109	7,582,759	1,400	1,392	1,396	1,388	1,461	1,453	59.3%
FRCST 2026	7,276,402	7,588,284	1,398	1,394	1,394	1,391	1,459	1,455	59.4%
FRCST 2027	7,277,866	7,589,812	1,398	1,396	1,394	1,392	1,459	1,457	59.4%
FRCST 2028	7,285,120	7,597,384	1,400	1,399	1,396	1,395	1,461	1,460	59.2%
FRCST 2029	7,290,911	7,603,429	1,401	1,402	1,397	1,398	1,462	1,463	59.3%
FRCST 2030	7,296,535	7,609,299	1,402	1,404	1,398	1,400	1,463	1,466	59.3%
FRCST 2031	7,301,760	7,614,754	1,403	1,407	1,399	1,403	1,464	1,468	59.2%
FRCST 2032	7,310,236	7,623,601	1,405	1,410	1,401	1,406	1,466	1,472	59.0%
FRCST 2033	7,270,305	7,581,920	1,398	1,404	1,394	1,400	1,459	1,466	59.1%
FRCST 2034	7,246,100	7,556,654	1,393	1,401	1,389	1,397	1,454	1,462	59.0%
FRCST 2035	7,224,252	7,533,847	1,389	1,398	1,385	1,394	1,449	1,459	58.9%
FRCST 2036	7,238,530	7,548,751	1,390	1,401	1,386	1,397	1,451	1,463	58.8%

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems ENERGY PURCHASED (% CHG.)	Adjusted for Systems ENERGY GENERATED (% CHG.)	Adjusted for Systems AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG)		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%
2016 -2021	0.50%	0.46%	0.54%	0.67%	0.54%	0.67%	0.51%	0.65%	58.78%
2021 -2026	0.04%	0.04%	-0.13%	0.33%	-0.13%	0.33%	-0.13%	0.33%	59.09%
2026 -2031	0.07%	0.07%	0.07%	0.18%	0.07%	0.18%	0.07%	0.18%	59.29%
2031 -2036	-0.17%	-0.17%	-0.18%	-0.08%	-0.18%	-0.08%	-0.19%	-0.08%	58.99%
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%
2016 -2036	0.11%	0.10%	0.07%	0.28%	0.07%	0.28%	0.07%	0.27%	59.02%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002
EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)
(WITHOUT LOSSES) (WITH LOSSES) EXTREME ANNUAL LOAD FACTOR

YEAR	WINTER	SUMMER	WINTER	SUMMER	EXTREME ANNUAL LOAD FACTOR
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,529	1,473	1,602	1,544	52.6%
FRCST 2017	1,551	1,492	1,623	1,562	52.6%
FRCST 2018	1,556	1,498	1,629	1,568	52.6%
FRCST 2019	1,563	1,507	1,636	1,577	52.6%
FRCST 2020	1,567	1,515	1,640	1,586	52.4%
FRCST 2021	1,570	1,523	1,644	1,594	52.6%
FRCST 2022	1,572	1,543	1,645	1,615	52.5%
FRCST 2023	1,571	1,545	1,644	1,617	52.6%
FRCST 2024	1,570	1,548	1,643	1,620	52.5%
FRCST 2025	1,569	1,551	1,642	1,623	52.7%
FRCST 2026	1,568	1,554	1,641	1,626	52.8%
FRCST 2027	1,568	1,556	1,641	1,629	52.8%
FRCST 2028	1,570	1,559	1,644	1,632	52.6%
FRCST 2029	1,572	1,562	1,645	1,635	52.8%
FRCST 2030	1,573	1,565	1,646	1,638	52.8%
FRCST 2031	1,574	1,568	1,648	1,641	52.8%
FRCST 2032	1,576	1,571	1,650	1,644	52.6%
FRCST 2033	1,569	1,565	1,642	1,638	52.7%
FRCST 2034	1,564	1,562	1,637	1,635	52.7%
FRCST 2035	1,559	1,558	1,632	1,631	52.7%
FRCST 2036	1,561	1,562	1,634	1,635	52.6%

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO RESULTS *****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND
Without Losses (% Chg) With Losses (% Chg)

TIME PERIOD	WINTER	SUMMER	WINTER	SUMMER	ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	0.54%	0.67%	0.51%	0.64%	52.55%
2021 -2026	-0.03%	0.40%	-0.03%	0.40%	52.62%
2026 -2031	0.08%	0.18%	0.08%	0.18%	52.74%
2031 -2036	-0.17%	-0.07%	-0.17%	-0.07%	52.67%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.10%	0.29%	0.10%	0.29%	52.64%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads
Aggregated Member System Data
NUMBER OF CONSUMERS

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads
Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,588	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,077,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	282,199	13,826	192	2,936	299,153	4,021,692	953,697	1,603,116	38,923	6,617,429
FRCST 2017	282,662	13,896	192	2,936	299,686	4,046,446	958,501	1,654,260	38,923	6,698,131
FRCST 2018	283,200	13,964	190	2,936	300,290	4,058,626	964,441	1,660,913	38,923	6,722,903
FRCST 2019	283,686	14,030	190	2,936	300,842	4,063,316	971,883	1,679,829	38,923	6,753,951
FRCST 2020	284,255	14,098	190	2,936	301,479	4,070,030	979,926	1,683,713	38,923	6,772,592
FRCST 2021	284,768	14,163	190	2,936	302,057	4,074,039	984,418	1,691,462	38,923	6,788,843
FRCST 2022	285,379	14,233	188	2,936	302,736	4,076,851	987,709	1,687,296	38,923	6,790,780
FRCST 2023	285,988	14,297	188	2,936	303,409	4,077,666	990,837	1,683,909	38,923	6,791,335
FRCST 2024	286,674	14,364	188	2,936	304,162	4,079,165	995,157	1,681,161	38,923	6,794,407
FRCST 2025	287,305	14,428	188	2,936	304,857	4,078,819	1,002,792	1,678,254	38,923	6,798,788
FRCST 2026	288,021	14,491	187	2,936	305,635	4,081,619	1,008,506	1,674,803	38,923	6,803,851
FRCST 2027	288,661	14,573	186	2,936	306,356	4,086,110	1,017,742	1,662,912	38,923	6,805,688
FRCST 2028	289,352	14,650	186	2,936	307,124	4,092,978	1,026,915	1,653,786	38,923	6,812,602
FRCST 2029	290,043	14,724	186	2,936	307,889	4,098,450	1,036,029	1,644,705	38,923	6,818,107
FRCST 2030	290,807	14,803	186	2,936	308,732	4,103,779	1,045,083	1,635,669	38,923	6,823,454
FRCST 2031	291,517	14,877	186	2,936	309,516	4,108,734	1,054,085	1,626,674	38,923	6,828,416
FRCST 2032	292,216	14,956	186	2,936	310,294	4,116,592	1,063,244	1,617,733	38,923	6,836,492
FRCST 2033	292,890	15,031	186	2,936	311,043	4,125,211	1,072,346	1,561,393	38,923	6,797,873
FRCST 2034	293,649	15,109	186	2,936	311,880	4,136,893	1,081,383	1,517,196	38,923	6,774,395
FRCST 2035	294,358	15,181	185	2,936	312,660	4,150,635	1,090,369	1,473,218	38,923	6,753,145
FRCST 2036	295,023	15,258	185	2,936	313,402	4,163,477	1,099,290	1,465,041	38,923	6,766,731

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems & Ind.-- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind.-- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.18%	0.48%	-2	0	0.19%	0.26%	0.64%	1.08%	0.00%	0.51%
2021 -2026	0.23%	0.46%	-3	0	0.24%	0.04%	0.48%	-0.20%	0.00%	0.04%
2026 -2031	0.24%	0.53%	-1	0	0.25%	0.13%	0.89%	-0.58%	0.00%	0.07%
2031 -2036	0.24%	0.51%	-1	0	0.25%	0.27%	0.84%	-2.07%	0.00%	-0.18%

2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.22%	0.49%	-7	0	0.23%	0.17%	0.71%	-0.45%	0.00%	0.11%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	1,291	1,150	1,355	53.8%
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,188,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	6,919,254	7,236,199	1,355	1,311	1,351	1,307	1,417	1,371	58.1%
FRCST 2017	7,003,578	7,310,624	1,376	1,328	1,372	1,325	1,437	1,387	58.1%
FRCST 2018	7,029,235	7,337,406	1,381	1,334	1,377	1,330	1,442	1,393	58.1%
FRCST 2019	7,061,803	7,371,402	1,386	1,341	1,382	1,338	1,447	1,401	58.2%
FRCST 2020	7,081,255	7,391,707	1,389	1,349	1,385	1,345	1,451	1,409	58.0%
FRCST 2021	7,098,178	7,409,372	1,392	1,356	1,388	1,352	1,454	1,416	58.2%
FRCST 2022	7,100,220	7,411,503	1,389	1,370	1,385	1,366	1,450	1,430	58.4%
FRCST 2023	7,100,811	7,412,120	1,387	1,372	1,383	1,368	1,448	1,432	58.4%
FRCST 2024	7,103,994	7,415,443	1,386	1,374	1,382	1,370	1,447	1,434	58.4%
FRCST 2025	7,108,584	7,420,234	1,384	1,376	1,380	1,373	1,445	1,437	58.6%
FRCST 2026	7,113,877	7,425,759	1,383	1,379	1,379	1,375	1,444	1,440	58.7%
FRCST 2027	7,115,342	7,427,288	1,383	1,381	1,379	1,377	1,444	1,442	58.7%
FRCST 2028	7,122,595	7,434,859	1,385	1,384	1,381	1,380	1,446	1,445	58.5%
FRCST 2029	7,128,386	7,440,904	1,386	1,386	1,382	1,382	1,447	1,447	58.7%
FRCST 2030	7,134,010	7,446,775	1,387	1,389	1,383	1,385	1,448	1,450	58.6%
FRCST 2031	7,139,235	7,452,229	1,388	1,392	1,384	1,388	1,449	1,453	58.5%
FRCST 2032	7,147,711	7,461,076	1,389	1,394	1,385	1,391	1,451	1,456	58.3%
FRCST 2033	7,107,780	7,419,395	1,383	1,389	1,379	1,365	1,443	1,450	58.4%
FRCST 2034	7,083,576	7,394,129	1,378	1,386	1,374	1,382	1,439	1,447	58.3%
FRCST 2035	7,061,727	7,371,323	1,373	1,383	1,369	1,379	1,434	1,444	58.3%
FRCST 2036	7,076,005	7,386,227	1,375	1,386	1,371	1,382	1,435	1,447	58.1%

***** LOW SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems & Ind. ENERGY		Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND				ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	PURCHASED (% CHG.)	GENERATED (% CHG.)	WINTER	SUMMER	Without Losses (% Chg)		With Losses (% Chg)		
2005 -2010	2.28%	2.37%	2.96%	1.02%	3.32%	1.14%	3.37%	1.10%	54.92%
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	0.51%	0.47%	0.54%	0.68%	0.54%	0.68%	0.52%	0.65%	58.12%
2021 -2026	0.04%	0.04%	-0.13%	0.34%	-0.13%	0.34%	-0.13%	0.34%	58.44%
2026 -2031	0.07%	0.07%	0.07%	0.18%	0.07%	0.18%	0.07%	0.18%	58.64%
2031 -2036	-0.18%	-0.18%	-0.19%	-0.08%	-0.19%	-0.08%	-0.19%	-0.08%	58.33%
2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	0.11%	0.10%	0.07%	0.28%	0.07%	0.28%	0.07%	0.27%	58.37%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,513	1,458	1,587	1,529	51.9%
FRCST 2017	1,536	1,477	1,608	1,546	51.9%
FRCST 2018	1,541	1,483	1,614	1,553	51.9%
FRCST 2019	1,547	1,492	1,620	1,562	51.9%
FRCST 2020	1,552	1,500	1,625	1,571	51.8%
FRCST 2021	1,555	1,508	1,628	1,579	51.9%
FRCST 2022	1,557	1,527	1,630	1,599	51.9%
FRCST 2023	1,556	1,530	1,629	1,602	51.9%
FRCST 2024	1,555	1,532	1,628	1,605	51.9%
FRCST 2025	1,553	1,535	1,627	1,608	52.1%
FRCST 2026	1,553	1,539	1,626	1,611	52.1%
FRCST 2027	1,553	1,541	1,626	1,613	52.1%
FRCST 2028	1,555	1,544	1,628	1,616	52.0%
FRCST 2029	1,557	1,546	1,630	1,619	52.1%
FRCST 2030	1,558	1,549	1,631	1,622	52.1%
FRCST 2031	1,559	1,552	1,632	1,626	52.1%
FRCST 2032	1,561	1,556	1,634	1,629	52.0%
FRCST 2033	1,553	1,550	1,627	1,623	52.1%
FRCST 2034	1,549	1,546	1,622	1,619	52.1%
FRCST 2035	1,544	1,543	1,617	1,616	52.1%
FRCST 2036	1,546	1,547	1,619	1,620	51.9%

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO RESULTS *****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

TIME PERIOD	<u>Without Losses (% Chg)</u>		<u>With Losses (% Chg)</u>		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	0.54%	0.67%	0.52%	0.64%	51.90%
2021 -2026	-0.03%	0.41%	-0.03%	0.41%	51.98%
2026 -2031	0.08%	0.18%	0.08%	0.18%	52.10%
2031 -2036	-0.17%	-0.07%	-0.17%	-0.07%	52.03%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.11%	0.30%	0.10%	0.29%	51.99%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)	
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0
ACTUAL 2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0
ACTUAL 2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0
ACTUAL 2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0
ACTUAL 2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0
ACTUAL 2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0
ACTUAL 2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0
ACTUAL 2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0
FRCST 2016	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2017	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2018	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2019	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2020	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2021	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2022	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2023	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2024	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2025	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2026	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2027	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2028	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2029	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2030	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2031	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2032	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2033	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2034	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2035	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2036	99.71%	99.72%	100.00%	0	0	100.00%	0	0

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)	
	WINTER (AVERAGE)	SUMMER (AVERAGE)
2005 -2010	98.42%	99.15%
2010 -2015	99.50%	99.68%
2016 -2021	99.71%	99.72%
2021 -2026	99.71%	99.72%
2026 -2031	99.71%	99.72%
2031 -2036	99.71%	99.72%
2005 -2015	98.94%	99.41%
2016 -2036	99.71%	99.72%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

YEAR	PERCENTAGE of IN #92 Served by H.E.		IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.		IL #2 served by H.E. (Yes=0 , No= 1)	
			WINTER	SUMMER			WINTER	SUMMER
ACTUAL 2005	51.0%		1	0	0.0%		1	1
ACTUAL 2006	100.0%		0	0	0.0%		1	1
ACTUAL 2007	100.0%		0	0	0.0%		1	1
ACTUAL 2008	100.0%		0	0	0.0%		1	1
ACTUAL 2009	100.0%		0	0	0.0%		1	1
ACTUAL 2010	100.0%		0	0	0.0%		1	1
ACTUAL 2011	100.0%		0	0	100.0%		0	0
ACTUAL 2012	100.0%		0	0	100.0%		0	0
ACTUAL 2013	100.0%		0	0	100.0%		0	0
ACTUAL 2014	100.0%		0	0	100.0%		0	0
ACTUAL 2015	100.0%		0	0	100.0%		0	0
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FRCST 2016	100.00%		0	0	100.00%		0	0
FRCST 2017	100.00%		0	0	100.00%		0	0
FRCST 2018	100.00%		0	0	100.00%		0	0
FRCST 2019	100.00%		0	0	100.00%		0	0
FRCST 2020	100.00%		0	0	100.00%		0	0
FRCST 2021	100.00%		0	0	100.00%		0	0
FRCST 2022	100.00%		0	0	100.00%		0	0
FRCST 2023	100.00%		0	0	100.00%		0	0
FRCST 2024	100.00%		0	0	100.00%		0	0
FRCST 2025	100.00%		0	0	100.00%		0	0
FRCST 2026	100.00%		0	0	100.00%		0	0
FRCST 2027	100.00%		0	0	100.00%		0	0
FRCST 2028	100.00%		0	0	100.00%		0	0
FRCST 2029	100.00%		0	0	100.00%		0	0
FRCST 2030	100.00%		0	0	100.00%		0	0
FRCST 2031	100.00%		0	0	100.00%		0	0
FRCST 2032	100.00%		0	0	100.00%		0	0
FRCST 2033	100.00%		0	0	100.00%		0	0
FRCST 2034	100.00%		0	0	100.00%		0	0
FRCST 2035	100.00%		0	0	100.00%		0	0
FRCST 2036	100.00%		0	0	100.00%		0	0

***** LOW SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

		<u>DSM EE Program Energy Impact</u>				<u>DSM Demand Impacts-- Both EE & DR Programs)</u> <u>Coincident 60 Minute Demand MW</u>			
		<u>Aggregated Total Member Energy</u>		<u>Total Member Energy</u>		<u>Savings w/o Losses</u>		<u>Savings with Losses</u>	
YEAR		<u>Purchased Savings MWH</u>	<u>Percent of Total</u>	<u>Generated Savings MWH</u>	<u>Percent of Total</u>	<u>Winter</u>	<u>Summer</u>	<u>Winter</u>	<u>Summer</u>
ACTUAL	2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL	2009	25,159	0.4%	26,189	0.4%	8.978	3.703	9.436	3.892
ACTUAL	2010	49,468	0.7%	51,663	0.7%	20.610	10.725	21.633	11.257
ACTUAL	2011	81,677	1.2%	85,143	1.2%	32.274	17.657	33.686	18.429
ACTUAL	2012	103,470	1.5%	107,053	1.5%	40.343	23.563	41.924	24.487
ACTUAL	2013	125,031	1.7%	128,352	1.7%	46.802	17.811	48.342	18.397
ACTUAL	2014	144,763	1.9%	149,549	1.9%	52.425	32.103	54.265	33.229
ACTUAL	2015	164,860	2.2%	171,568	2.2%	64.045	26.789	66.824	27.952
FRCST	2016	194,406	2.7%	203,311	2.7%	73.329	45.453	76.889	47.660
FRCST	2017	184,468	2.6%	192,555	2.6%	66.028	42.103	69.140	44.087
FRCST	2018	194,268	2.7%	202,784	2.7%	69.365	43.704	72.634	45.763
FRCST	2019	207,146	2.8%	216,227	2.8%	73.411	45.300	76.870	47.435
FRCST	2020	219,768	3.0%	229,403	3.0%	76.119	44.179	79.706	46.261
FRCST	2021	233,084	3.2%	243,302	3.2%	79.062	43.411	82.787	45.456
FRCST	2022	246,750	3.4%	257,568	3.4%	82.886	43.832	86.792	45.897
FRCST	2023	261,151	3.5%	272,600	3.5%	87.480	45.304	91.602	47.439
FRCST	2024	274,544	3.7%	286,581	3.7%	92.227	46.678	96.573	48.878
FRCST	2025	284,596	3.8%	297,073	3.8%	96.562	47.268	101.112	49.495
FRCST	2026	296,138	4.0%	309,121	4.0%	101.009	48.155	105.769	50.425
FRCST	2027	300,584	4.1%	313,762	4.1%	102.416	47.741	107.242	49.991
FRCST	2028	303,569	4.1%	316,878	4.1%	102.639	47.370	107.475	49.602
FRCST	2029	307,784	4.1%	321,278	4.1%	103.331	47.164	108.200	49.386
FRCST	2030	312,901	4.2%	326,619	4.2%	104.584	46.875	109.512	49.083
FRCST	2031	317,642	4.3%	331,568	4.3%	105.702	46.531	110.682	48.723
FRCST	2032	321,964	4.3%	336,079	4.3%	106.703	46.375	111.731	48.560
FRCST	2033	327,467	4.4%	341,824	4.4%	108.111	46.842	113.205	49.050
FRCST	2034	332,377	4.5%	346,949	4.5%	109.870	47.240	115.047	49.466
FRCST	2035	335,764	4.5%	350,484	4.5%	112.006	47.961	117.284	50.220
FRCST	2036	340,292	4.6%	355,211	4.6%	114.364	48.712	119.753	51.008

***** LOW SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

DSM -- EE Program Demand Impacts
Coincident 60 Minute Demand MW

DSM -- DR Program Demand Impacts
Coincident 60 Minute Demand MW

YEAR	Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL 2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL 2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL 2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL 2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL 2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL 2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL 2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST 2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST 2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST 2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST 2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST 2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.352
FRCST 2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST 2022	77.714	35.202	81.376	36.860	5.172	8.630	5.416	9.037
FRCST 2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST 2024	86.887	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST 2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST 2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST 2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST 2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST 2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST 2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST 2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST 2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST 2033	101.231	36.834	106.001	38.569	6.879	10.009	7.203	10.480
FRCST 2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST 2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST 2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** LOW SCENARIO WITH DSM IMPACTS *****

***** LOW SCENARIO WITH DSM IMPACTS *****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
<hr/>				
FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

Appendix A5

Historical/Forecast Annual Load Summary – Base Lower-Normal Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Aggregated Member System Data NUMBER OF CONSUMERS							Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590	
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409	
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617	
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406	
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290	
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061	
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163	
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406	
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370	
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169	
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982	
FRCST 2016	283,188	13,899	210	2,936	300,233	3,994,635	958,648	2,062,380	38,923	7,054,587	
FRCST 2017	284,641	14,038	210	2,936	301,825	4,018,767	968,623	2,122,348	38,923	7,148,662	
FRCST 2018	286,184	14,177	208	2,936	303,505	4,044,256	979,893	2,138,086	38,923	7,201,158	
FRCST 2019	287,676	14,316	208	2,936	305,136	4,069,925	992,823	2,166,121	38,923	7,267,792	
FRCST 2020	289,260	14,455	208	2,936	306,859	4,101,910	1,006,520	2,179,218	38,923	7,326,571	
FRCST 2021	290,800	14,594	208	2,936	308,538	4,133,682	1,016,755	2,196,193	38,923	7,385,553	
FRCST 2022	292,438	14,737	206	2,936	310,317	4,165,767	1,025,878	2,201,297	38,923	7,431,866	
FRCST 2023	294,089	14,880	206	2,936	312,111	4,196,847	1,034,960	2,207,162	38,923	7,477,892	
FRCST 2024	295,824	15,023	206	2,936	313,989	4,229,375	1,045,356	2,213,647	38,923	7,527,301	
FRCST 2025	297,514	15,166	206	2,936	315,822	4,260,555	1,059,188	2,219,958	38,923	7,578,624	
FRCST 2026	299,299	15,309	205	2,936	317,749	4,295,485	1,071,223	2,225,712	38,923	7,631,342	
FRCST 2027	301,015	15,469	204	2,936	319,624	4,332,469	1,086,911	2,223,007	38,923	7,681,310	
FRCST 2028	302,789	15,629	204	2,936	321,558	4,372,299	1,102,662	2,223,007	38,923	7,736,890	
FRCST 2029	304,572	15,789	204	2,936	323,501	4,411,134	1,118,478	2,223,007	38,923	7,791,542	
FRCST 2030	306,441	15,949	204	2,936	325,530	4,450,293	1,134,358	2,223,007	38,923	7,846,581	
FRCST 2031	308,264	16,109	204	2,936	327,513	4,489,402	1,150,303	2,223,007	38,923	7,901,635	
FRCST 2032	310,083	16,274	204	2,936	329,497	4,532,068	1,166,551	2,223,007	38,923	7,960,549	
FRCST 2033	311,885	16,439	204	2,936	331,464	4,576,108	1,182,864	2,175,569	38,923	7,973,464	
FRCST 2034	313,783	16,604	204	2,936	333,527	4,623,960	1,199,242	2,139,991	38,923	8,002,116	
FRCST 2035	315,639	16,769	203	2,936	335,547	4,674,430	1,215,689	2,104,413	38,923	8,033,454	
FRCST 2036	317,455	16,934	203	2,936	337,528	4,724,554	1,232,201	2,104,413	38,923	8,100,090	

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.53%	0.98%	-2	0	0.55%	0.69%	1.18%	1.27%	0.00%	0.92%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.77%	1.05%	0.27%	0.00%	0.66%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.02%	0.00%	0.70%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.09%	0.00%	0.50%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.84%	1.26%	0.10%	0.00%	0.69%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****			
YEAR	AGGREGATED TOTAL ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)	
						WINTER	SUMMER	WINTER	SUMMER
ACTUAL 2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392
ACTUAL 2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405
ACTUAL 2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421
ACTUAL 2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317
ACTUAL 2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306
ACTUAL 2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462
ACTUAL 2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441
ACTUAL 2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,426	1,631	1,278	1,478
ACTUAL 2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351
ACTUAL 2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348
ACTUAL 2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363
FRCST 2016	7,365,388	7,695,325	4.38%	4.63%	75.500	1,562	1,551	1,423	1,365
FRCST 2017	7,463,628	7,783,718	4.20%	4.50%	75.760	1,577	1,561	1,443	1,399
FRCST 2018	7,518,243	7,840,727	4.20%	4.50%	76.830	1,589	1,577	1,450	1,404
FRCST 2019	7,588,008	7,913,551	4.20%	4.50%	77.430	1,603	1,593	1,463	1,419
FRCST 2020	7,649,429	7,977,665	4.20%	4.50%	76.540	1,614	1,608	1,475	1,434
FRCST 2021	7,711,040	8,041,977	4.20%	4.50%	76.800	1,626	1,623	1,486	1,450
FRCST 2022	7,759,489	8,092,550	4.20%	4.50%	78.340	1,632	1,633	1,492	1,472
FRCST 2023	7,807,637	8,142,809	4.20%	4.50%	79.910	1,641	1,645	1,500	1,483
FRCST 2024	7,859,285	8,196,721	4.20%	4.50%	81.510	1,650	1,657	1,508	1,495
FRCST 2025	7,912,971	8,252,761	4.20%	4.50%	83.140	1,660	1,670	1,517	1,507
FRCST 2026	7,968,107	8,310,314	4.20%	4.50%	84.800	1,670	1,684	1,525	1,519
FRCST 2027	8,019,869	8,364,345	4.20%	4.50%	86.500	1,681	1,697	1,535	1,530
FRCST 2028	8,078,020	8,425,046	4.20%	4.50%	88.230	1,694	1,711	1,547	1,543
FRCST 2029	8,135,211	8,484,745	4.20%	4.50%	89.990	1,707	1,724	1,559	1,555
FRCST 2030	8,192,807	8,544,865	4.20%	4.50%	91.790	1,719	1,738	1,570	1,568
FRCST 2031	8,250,423	8,605,008	4.20%	4.50%	93.630	1,732	1,752	1,581	1,581
FRCST 2032	8,312,070	8,669,357	4.20%	4.50%	93.630	1,745	1,767	1,594	1,594
FRCST 2033	8,326,042	8,683,941	4.20%	4.50%	93.630	1,749	1,771	1,598	1,598
FRCST 2034	8,356,365	8,715,593	4.20%	4.50%	93.630	1,755	1,779	1,604	1,606
FRCST 2035	8,389,529	8,750,212	4.20%	4.50%	93.630	1,762	1,787	1,610	1,613
FRCST 2036	8,459,303	8,823,045	4.20%	4.50%	93.630	1,776	1,802	1,623	1,627

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****			
TIME PERIOD	AGGREGATED H.E. ENERGY TOTAL ENERGY GENERATED PURCHASED FOR MEMBERS (% CHG.)		AVG. MONTHLY LOSS FACTORS due to MEMBERS ENERGY DEMAND (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
						Non-Coincident (% Chg)		Coincident (% Chg)	
						WINTER	SUMMER	WINTER	SUMMER
2005 -2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%
2010 -2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%
2016 -2021	0.92%	0.89%	4.23%	4.52%	0.34%	0.81%	0.91%	0.87%	1.20%
2021 -2026	0.66%	0.66%	4.20%	4.50%	2.00%	0.54%	0.75%	0.52%	0.94%
2026 -2031	0.70%	0.70%	4.20%	4.50%	2.00%	0.73%	0.80%	0.72%	0.80%
2031 -2036	0.50%	0.50%	4.20%	4.50%	0.00%	0.51%	0.56%	0.52%	0.58%
2005 -2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%
2016 -2036	0.69%	0.69%	4.21%	4.51%	1.08%	0.65%	0.75%	0.66%	0.88%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****					
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW) (All values are estimated 60 minute values)					H.E. ANNUAL LOAD FACTOR Due To COINCIDENT PEAK	HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW) (All values are estimated 60 minute values)				H.E. ANNUAL LOAD FACTOR Due To NON-COIN. PEAK	
YEAR	(WITHOUT LOSSES)		(WITH LOSSES)			(WITHOUT LOSSES)		(WITH LOSSES)			
	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			
ACTUAL 2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%	
ACTUAL 2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%	
ACTUAL 2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%	
ACTUAL 2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%	
ACTUAL 2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%	
ACTUAL 2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%	
ACTUAL 2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%	
ACTUAL 2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%	
ACTUAL 2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.5%	
ACTUAL 2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%	
ACTUAL 2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%	
FRCST 2016	1,419	1,362	1,487	1,427	58.9%	1,557	1,546	1,631	1,620	53.7%	
FRCST 2017	1,439	1,396	1,506	1,461	59.0%	1,573	1,557	1,645	1,629	54.0%	
FRCST 2018	1,446	1,400	1,513	1,466	59.1%	1,584	1,572	1,657	1,645	54.0%	
FRCST 2019	1,458	1,415	1,526	1,481	59.2%	1,598	1,589	1,672	1,662	54.0%	
FRCST 2020	1,470	1,430	1,539	1,497	59.0%	1,610	1,604	1,684	1,678	53.9%	
FRCST 2021	1,482	1,446	1,551	1,513	59.2%	1,621	1,618	1,696	1,693	54.1%	
FRCST 2022	1,488	1,468	1,557	1,537	59.3%	1,627	1,628	1,702	1,704	54.2%	
FRCST 2023	1,496	1,479	1,565	1,548	59.4%	1,636	1,640	1,712	1,716	54.2%	
FRCST 2024	1,504	1,491	1,574	1,560	59.3%	1,645	1,653	1,721	1,729	54.0%	
FRCST 2025	1,512	1,503	1,583	1,573	59.5%	1,655	1,666	1,732	1,743	54.0%	
FRCST 2026	1,521	1,515	1,592	1,585	59.6%	1,665	1,680	1,742	1,757	54.0%	
FRCST 2027	1,531	1,526	1,602	1,597	59.6%	1,676	1,692	1,754	1,771	53.9%	
FRCST 2028	1,543	1,539	1,610	1,610	59.4%	1,689	1,706	1,768	1,785	53.7%	
FRCST 2029	1,554	1,551	1,627	1,623	59.5%	1,702	1,720	1,781	1,799	53.8%	
FRCST 2030	1,566	1,564	1,639	1,637	59.5%	1,714	1,734	1,794	1,814	53.8%	
FRCST 2031	1,577	1,576	1,650	1,650	59.5%	1,727	1,748	1,807	1,829	53.7%	
FRCST 2032	1,589	1,589	1,663	1,664	59.3%	1,740	1,762	1,821	1,844	53.5%	
FRCST 2033	1,593	1,594	1,667	1,668	59.4%	1,744	1,766	1,825	1,848	53.6%	
FRCST 2034	1,599	1,601	1,674	1,676	59.4%	1,750	1,774	1,831	1,856	53.6%	
FRCST 2035	1,606	1,609	1,681	1,684	59.3%	1,757	1,782	1,838	1,864	53.6%	
FRCST 2036	1,618	1,623	1,694	1,699	59.1%	1,771	1,797	1,853	1,880	53.4%	

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****					
HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				H.E. ANNUAL NON-COIN. LOAD FACTOR (AVERAGE)	
TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)			Without Losses (% Chg)		With Losses (% Chg)			
	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER			
2005 -2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%	
2010 -2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%	
2016 -2021	0.87%	1.20%	0.85%	1.18%	59.07%	0.81%	0.91%	0.78%	0.89%	53.97%	
2021 -2026	0.52%	0.94%	0.52%	0.94%	59.38%	0.54%	0.75%	0.54%	0.75%	54.08%	
2026 -2031	0.72%	0.80%	0.72%	0.80%	59.53%	0.73%	0.80%	0.73%	0.80%	53.82%	
2031 -2036	0.52%	0.58%	0.52%	0.58%	59.34%	0.51%	0.56%	0.51%	0.56%	53.58%	
2005 -2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%	
2016 -2036	0.66%	0.88%	0.65%	0.87%	59.32%	0.65%	0.75%	0.64%	0.75%	53.85%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****											
**** EXTREME TEMPERATURE CONDITIONS ****											
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE											
(WITHOUT LOSSES) (WITH LOSSES)											
YEAR	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due to EXTREME COINCIDENT PEAK	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due To EXTREME NON-COIN. PEAK	
ACTUAL 2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
FRCST 2016	1,578	1,512	1,654	1,585	53.0%	1,728	1,709	1,810	1,790	48.4%	
FRCST 2017	1,617	1,555	1,692	1,628	52.5%	1,757	1,733	1,838	1,813	48.3%	
FRCST 2018	1,615	1,557	1,690	1,630	53.0%	1,766	1,747	1,848	1,828	48.4%	
FRCST 2019	1,629	1,574	1,705	1,647	53.0%	1,782	1,765	1,865	1,847	48.4%	
FRCST 2020	1,643	1,591	1,719	1,665	52.8%	1,796	1,782	1,879	1,864	48.3%	
FRCST 2021	1,656	1,608	1,733	1,683	53.0%	1,809	1,798	1,893	1,882	48.5%	
FRCST 2022	1,668	1,638	1,746	1,714	52.9%	1,822	1,814	1,906	1,898	48.5%	
FRCST 2023	1,678	1,650	1,756	1,727	52.9%	1,832	1,828	1,917	1,913	48.5%	
FRCST 2024	1,687	1,663	1,766	1,741	52.8%	1,843	1,842	1,929	1,927	48.4%	
FRCST 2025	1,697	1,677	1,776	1,755	53.0%	1,855	1,857	1,941	1,943	48.5%	
FRCST 2026	1,708	1,690	1,787	1,769	53.1%	1,867	1,872	1,953	1,959	48.4%	
FRCST 2027	1,719	1,703	1,799	1,783	53.1%	1,879	1,886	1,966	1,974	48.4%	
FRCST 2028	1,732	1,717	1,813	1,797	52.9%	1,894	1,902	1,982	1,990	48.2%	
FRCST 2029	1,745	1,731	1,827	1,812	53.0%	1,908	1,917	1,997	2,006	48.3%	
FRCST 2030	1,758	1,745	1,840	1,826	53.0%	1,922	1,932	2,011	2,022	48.2%	
FRCST 2031	1,771	1,759	1,854	1,841	53.0%	1,936	1,948	2,026	2,038	48.2%	
FRCST 2032	1,785	1,774	1,868	1,857	52.8%	1,951	1,964	2,042	2,055	48.0%	
FRCST 2033	1,789	1,779	1,873	1,862	52.9%	1,956	1,969	2,046	2,060	48.1%	
FRCST 2034	1,797	1,787	1,881	1,871	52.9%	1,963	1,978	2,054	2,070	48.1%	
FRCST 2035	1,804	1,796	1,889	1,880	52.9%	1,971	1,986	2,062	2,079	48.1%	
FRCST 2036	1,819	1,812	1,904	1,896	52.8%	1,987	2,004	2,079	2,097	47.9%	

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****											
**** EXTREME TEMPERATURE CONDITIONS ****											
HOOSIER ENERGY COINCIDENT PEAK (60 MIN.)											
(WITHOUT LOSSES) (WITH LOSSES)											
TIME PERIOD	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR (AVERAGE)	WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR (AVERAGE)	
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2016 -2021	0.97%	1.23%	0.94%	1.21%	52.86%	0.92%	1.03%	0.90%	1.00%	48.41%	
2021 -2026	0.62%	1.01%	0.62%	1.01%	52.96%	0.63%	0.81%	0.63%	0.81%	48.46%	
2026 -2031	0.73%	0.80%	0.73%	0.80%	53.01%	0.73%	0.80%	0.73%	0.80%	48.29%	
2031 -2036	0.53%	0.59%	0.54%	0.59%	52.88%	0.52%	0.57%	0.52%	0.57%	48.06%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2016 -2036	0.71%	0.91%	0.71%	0.90%	52.92%	0.70%	0.80%	0.69%	0.79%	48.29%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****				
**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****						**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****				
Aggregated Member System Data						Aggregated Member System Data				
NUMBER OF CONSUMERS						SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	165	1,573	270,798	3,749,514	774,714	1,484,489	33,634	6,042,351
ACTUAL 2006	260,854	11,986	169	1,707	274,716	3,856,899	824,354	1,545,582	32,678	6,259,513
ACTUAL 2007	263,908	12,246	191	1,821	278,166	4,088,777	855,093	1,620,151	34,240	6,598,261
ACTUAL 2008	265,071	12,166	200	1,833	279,270	4,080,904	856,375	1,630,203	33,209	6,600,691
ACTUAL 2009	265,137	12,281	192	1,836	279,446	3,904,138	818,798	1,564,440	31,738	6,319,115
ACTUAL 2010	265,890	12,407	193	1,854	280,344	4,158,334	843,557	1,712,254	33,075	6,747,220
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	3,994,635	958,648	2,062,380	38,923	7,054,587
FRCST 2017	284,641	14,038	210	2,936	301,825	4,018,767	968,623	2,122,348	38,923	7,148,662
FRCST 2018	286,184	14,177	208	2,936	303,505	4,044,256	979,893	2,138,086	38,923	7,201,158
FRCST 2019	287,676	14,316	208	2,936	305,136	4,069,925	992,823	2,166,121	38,923	7,267,792
FRCST 2020	289,260	14,455	208	2,936	306,859	4,101,910	1,006,520	2,179,218	38,923	7,326,571
FRCST 2021	290,800	14,594	208	2,936	308,538	4,133,682	1,016,755	2,196,193	38,923	7,385,553
FRCST 2022	292,438	14,737	206	2,936	310,317	4,165,767	1,025,878	2,201,297	38,923	7,431,866
FRCST 2023	294,089	14,880	206	2,936	312,111	4,196,847	1,034,960	2,207,162	38,923	7,477,892
FRCST 2024	295,824	15,023	206	2,936	313,989	4,229,375	1,045,356	2,213,647	38,923	7,527,301
FRCST 2025	297,514	15,166	206	2,936	315,822	4,260,555	1,059,188	2,219,958	38,923	7,578,624
FRCST 2026	299,299	15,309	205	2,936	317,749	4,295,485	1,071,223	2,225,712	38,923	7,631,342
FRCST 2027	301,015	15,469	204	2,936	319,624	4,332,469	1,086,911	2,223,007	38,923	7,681,310
FRCST 2028	302,789	15,629	204	2,936	321,558	4,372,299	1,102,662	2,223,007	38,923	7,736,890
FRCST 2029	304,572	15,789	204	2,936	323,501	4,411,134	1,118,478	2,223,007	38,923	7,791,542
FRCST 2030	306,441	15,949	204	2,936	325,530	4,450,293	1,134,358	2,223,007	38,923	7,846,581
FRCST 2031	308,264	16,109	204	2,936	327,513	4,489,402	1,150,303	2,223,007	38,923	7,901,635
FRCST 2032	310,083	16,274	204	2,936	329,497	4,532,068	1,166,551	2,223,007	38,923	7,960,549
FRCST 2033	311,885	16,439	204	2,936	331,464	4,576,108	1,182,864	2,175,569	38,923	7,973,464
FRCST 2034	313,783	16,604	204	2,936	333,527	4,623,960	1,199,242	2,139,991	38,923	8,002,116
FRCST 2035	315,639	16,769	203	2,936	335,547	4,674,430	1,215,689	2,104,413	38,923	8,033,454
FRCST 2036	317,455	16,934	203	2,936	337,528	4,724,554	1,232,201	2,104,413	38,923	8,100,090

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****						**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****				
Adjusted for Systems -- AGGREGATED NUMBER OF CONSUMERS						Adjusted for Systems -- AGGREGATED ENERGY SALES				
TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	3.87%	2.59%	0.90%
2016 -2021	0.53%	0.98%	-2	0	0.55%	0.69%	1.18%	1.27%	0.00%	0.92%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.77%	1.05%	0.27%	0.00%	0.66%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.02%	0.00%	0.70%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.09%	0.00%	0.50%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.38%	1.12%	1.56%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.84%	1.26%	0.10%	0.00%	0.69%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002										
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR	
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)			
ACTUAL 2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%	
ACTUAL 2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%	
ACTUAL 2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%	
ACTUAL 2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%	
ACTUAL 2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%	
ACTUAL 2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%	
ACTUAL 2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%	
ACTUAL 2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%	
ACTUAL 2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%	
ACTUAL 2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%	
ACTUAL 2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%	
FRCST 2016	7,365,388	7,695,325	1,423	1,365	1,419	1,362	1,487	1,427	58.9%	
FRCST 2017	7,463,628	7,783,718	1,443	1,399	1,439	1,396	1,506	1,461	59.0%	
FRCST 2018	7,518,243	7,840,727	1,450	1,404	1,446	1,400	1,513	1,466	59.1%	
FRCST 2019	7,588,008	7,913,551	1,463	1,419	1,458	1,415	1,526	1,481	59.2%	
FRCST 2020	7,649,429	7,977,665	1,475	1,434	1,470	1,430	1,539	1,497	59.0%	
FRCST 2021	7,711,040	8,041,977	1,486	1,450	1,482	1,446	1,551	1,513	59.2%	
FRCST 2022	7,759,489	8,092,550	1,492	1,472	1,488	1,468	1,557	1,537	59.3%	
FRCST 2023	7,807,637	8,142,809	1,500	1,483	1,496	1,479	1,565	1,548	59.4%	
FRCST 2024	7,859,285	8,196,721	1,508	1,495	1,504	1,491	1,574	1,560	59.3%	
FRCST 2025	7,912,971	8,252,761	1,517	1,507	1,512	1,503	1,583	1,573	59.5%	
FRCST 2026	7,968,107	8,310,314	1,525	1,519	1,521	1,515	1,592	1,585	59.6%	
FRCST 2027	8,019,869	8,364,345	1,535	1,530	1,531	1,526	1,602	1,597	59.6%	
FRCST 2028	8,078,020	8,425,046	1,547	1,543	1,543	1,539	1,615	1,610	59.4%	
FRCST 2029	8,135,211	8,484,745	1,559	1,555	1,554	1,551	1,627	1,623	59.5%	
FRCST 2030	8,192,807	8,544,865	1,570	1,568	1,566	1,564	1,639	1,637	59.5%	
FRCST 2031	8,250,423	8,605,008	1,581	1,581	1,577	1,576	1,650	1,650	59.5%	
FRCST 2032	8,312,070	8,669,357	1,594	1,594	1,589	1,589	1,663	1,664	59.3%	
FRCST 2033	8,326,042	8,683,941	1,598	1,598	1,593	1,594	1,667	1,668	59.4%	
FRCST 2034	8,356,365	8,715,593	1,604	1,606	1,599	1,601	1,674	1,674	59.4%	
FRCST 2035	8,389,529	8,750,212	1,610	1,613	1,606	1,609	1,681	1,684	59.3%	
FRCST 2036	8,459,303	8,823,045	1,623	1,627	1,618	1,623	1,694	1,699	59.1%	

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD	Adjusted for Systems		Adjusted for Systems		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND				ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	ENERGY PURCHASED (% CHG.)	ENERGY GENERATED (% CHG.)	AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG)		Without Losses (% Chg)		With Losses (% Chg)		
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%
2016 -2021	0.92%	0.89%	0.87%	1.20%	0.87%	1.20%	0.85%	1.18%	59.07%
2021 -2026	0.66%	0.66%	0.52%	0.94%	0.52%	0.94%	0.52%	0.94%	59.38%
2026 -2031	0.70%	0.70%	0.72%	0.80%	0.72%	0.80%	0.72%	0.80%	59.53%
2031 -2036	0.50%	0.50%	0.52%	0.58%	0.52%	0.58%	0.52%	0.58%	59.34%
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%
2016 -2036	0.69%	0.69%	0.66%	0.88%	0.66%	0.88%	0.65%	0.87%	59.32%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,578	1,512	1,654	1,585	53.0%
FRCST 2017	1,617	1,555	1,692	1,628	52.5%
FRCST 2018	1,615	1,557	1,690	1,630	53.0%
FRCST 2019	1,629	1,574	1,705	1,647	53.0%
FRCST 2020	1,643	1,591	1,719	1,665	52.8%
FRCST 2021	1,656	1,608	1,733	1,683	53.0%
FRCST 2022	1,668	1,638	1,746	1,714	52.9%
FRCST 2023	1,678	1,650	1,756	1,727	52.9%
FRCST 2024	1,687	1,663	1,766	1,741	52.8%
FRCST 2025	1,697	1,677	1,776	1,755	53.0%
FRCST 2026	1,708	1,690	1,787	1,769	53.1%
FRCST 2027	1,719	1,703	1,799	1,783	53.1%
FRCST 2028	1,732	1,717	1,813	1,797	52.9%
FRCST 2029	1,745	1,731	1,827	1,812	53.0%
FRCST 2030	1,758	1,745	1,840	1,826	53.0%
FRCST 2031	1,771	1,759	1,854	1,841	53.0%
FRCST 2032	1,785	1,774	1,868	1,857	52.8%
FRCST 2033	1,789	1,779	1,873	1,862	52.9%
FRCST 2034	1,797	1,787	1,881	1,871	52.9%
FRCST 2035	1,804	1,796	1,889	1,880	52.9%
FRCST 2036	1,819	1,812	1,904	1,896	52.8%

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND

Without Losses (% Chg) With Losses (% Chg)

ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)

TIME PERIOD	WINTER	SUMMER	WINTER	SUMMER	ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	0.97%	1.23%	0.94%	1.21%	52.86%
2021 -2026	0.62%	1.01%	0.62%	1.01%	52.96%
2026 -2031	0.73%	0.80%	0.73%	0.80%	53.01%
2031 -2036	0.53%	0.59%	0.54%	0.59%	52.88%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.71%	0.91%	0.71%	0.90%	52.92%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?)

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Aggregated Member System Data
NUMBER OF CONSUMERS

Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,568	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,077,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	283,188	13,899	209	2,936	300,232	3,994,635	958,648	1,899,855	38,923	6,892,062
FRCST 2017	284,641	14,038	209	2,936	301,824	4,018,767	968,623	1,959,823	38,923	6,986,137
FRCST 2018	286,184	14,177	207	2,936	303,504	4,044,256	979,893	1,975,561	38,923	7,038,633
FRCST 2019	287,676	14,316	207	2,936	305,135	4,069,925	992,823	2,003,596	38,923	7,105,267
FRCST 2020	289,260	14,455	207	2,936	306,858	4,101,910	1,006,520	2,016,693	38,923	7,164,046
FRCST 2021	290,800	14,594	207	2,936	308,537	4,133,682	1,016,755	2,033,668	38,923	7,223,029
FRCST 2022	292,438	14,737	205	2,936	310,316	4,165,767	1,025,878	2,038,772	38,923	7,269,341
FRCST 2023	294,089	14,880	205	2,936	312,110	4,196,847	1,034,960	2,044,637	38,923	7,315,367
FRCST 2024	295,824	15,023	205	2,936	313,988	4,229,375	1,045,356	2,051,122	38,923	7,364,777
FRCST 2025	297,514	15,166	205	2,936	315,821	4,260,555	1,059,188	2,057,433	38,923	7,416,099
FRCST 2026	299,299	15,309	204	2,936	317,748	4,295,485	1,071,223	2,063,187	38,923	7,468,818
FRCST 2027	301,015	15,469	203	2,936	319,623	4,332,469	1,086,911	2,060,482	38,923	7,518,786
FRCST 2028	302,789	15,629	203	2,936	321,557	4,372,299	1,102,662	2,060,482	38,923	7,574,366
FRCST 2029	304,572	15,789	203	2,936	323,500	4,411,134	1,118,478	2,060,482	38,923	7,629,017
FRCST 2030	306,441	15,949	203	2,936	325,529	4,450,293	1,134,358	2,060,482	38,923	7,684,056
FRCST 2031	308,264	16,109	203	2,936	327,512	4,489,402	1,150,303	2,060,482	38,923	7,739,110
FRCST 2032	310,083	16,274	203	2,936	329,496	4,532,068	1,166,551	2,060,482	38,923	7,798,024
FRCST 2033	311,885	16,439	203	2,936	331,463	4,576,108	1,182,864	2,013,044	38,923	7,810,939
FRCST 2034	313,783	16,604	203	2,936	333,526	4,623,960	1,199,242	1,977,466	38,923	7,839,591
FRCST 2035	315,639	16,769	202	2,936	335,546	4,674,430	1,215,689	1,941,888	38,923	7,870,930
FRCST 2036	317,455	16,934	202	2,936	337,527	4,724,554	1,232,201	1,941,888	38,923	7,937,566

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Adjusted for Systems & Ind. -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind. -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.53%	0.98%	-2	0	0.55%	0.69%	1.18%	1.37%	0.00%	0.94%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.77%	1.05%	0.29%	0.00%	0.67%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.89%	1.43%	-0.03%	0.00%	0.71%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.03%	1.39%	-1.18%	0.00%	0.51%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.84%	1.26%	0.11%	0.00%	0.71%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITHOUT LOSSES)			ANNUAL LOAD FACTOR	
			WINTER	SUMMER	WITH LOSSES				
					WINTER	SUMMER	WINTER		SUMMER
ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	1,291	1,150	1,355	53.8%
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,188,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	7,202,863	7,532,800	1,408	1,350	1,404	1,346	1,472	1,412	58.3%
FRCST 2017	7,301,103	7,621,193	1,428	1,384	1,424	1,380	1,491	1,445	58.4%
FRCST 2018	7,355,718	7,678,203	1,435	1,389	1,431	1,385	1,498	1,450	58.5%
FRCST 2019	7,425,483	7,751,026	1,447	1,403	1,443	1,399	1,511	1,465	58.6%
FRCST 2020	7,486,904	7,815,140	1,459	1,419	1,455	1,415	1,524	1,482	58.4%
FRCST 2021	7,548,515	7,879,452	1,471	1,434	1,467	1,430	1,536	1,498	58.6%
FRCST 2022	7,596,964	7,930,026	1,477	1,457	1,472	1,453	1,542	1,521	58.7%
FRCST 2023	7,645,113	7,980,285	1,485	1,468	1,480	1,464	1,550	1,533	58.8%
FRCST 2024	7,696,760	8,034,196	1,493	1,479	1,488	1,475	1,559	1,545	58.7%
FRCST 2025	7,750,446	8,090,236	1,501	1,491	1,497	1,487	1,567	1,557	58.9%
FRCST 2026	7,805,582	8,147,789	1,510	1,504	1,506	1,499	1,577	1,570	59.0%
FRCST 2027	7,857,344	8,201,821	1,520	1,515	1,516	1,511	1,587	1,582	59.0%
FRCST 2028	7,915,495	8,262,521	1,532	1,528	1,527	1,523	1,599	1,595	58.8%
FRCST 2029	7,972,687	8,322,220	1,544	1,540	1,539	1,536	1,612	1,608	59.0%
FRCST 2030	8,030,282	8,382,340	1,555	1,553	1,550	1,548	1,623	1,621	58.9%
FRCST 2031	8,087,899	8,442,483	1,566	1,565	1,562	1,561	1,635	1,634	58.9%
FRCST 2032	8,149,545	8,506,832	1,578	1,578	1,574	1,574	1,648	1,648	58.8%
FRCST 2033	8,163,517	8,521,417	1,582	1,583	1,578	1,579	1,652	1,653	58.8%
FRCST 2034	8,193,840	8,553,069	1,589	1,591	1,584	1,586	1,659	1,661	58.8%
FRCST 2035	8,227,004	8,587,687	1,595	1,598	1,590	1,594	1,665	1,669	58.7%
FRCST 2036	8,296,779	8,660,520	1,608	1,612	1,603	1,607	1,679	1,683	58.6%

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD	Adjusted for ENERGY PURCHASED (% CHG.)	Systems & Ind ENERGY GENERATED (% CHG.)	Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	0.94%	0.90%	0.88%	1.22%	0.88%	1.22%	0.86%	1.19%	58.44%
2021 -2026	0.67%	0.67%	0.53%	0.95%	0.53%	0.95%	0.53%	0.95%	58.78%
2026 -2031	0.71%	0.71%	0.73%	0.81%	0.73%	0.81%	0.73%	0.81%	58.94%
2031 -2036	0.51%	0.51%	0.53%	0.59%	0.53%	0.59%	0.53%	0.59%	58.78%
2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	0.71%	0.70%	0.67%	0.89%	0.67%	0.89%	0.66%	0.88%	58.72%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,563	1,497	1,639	1,570	52.3%
FRCST 2017	1,601	1,540	1,677	1,612	51.9%
FRCST 2018	1,599	1,542	1,675	1,615	52.3%
FRCST 2019	1,614	1,558	1,690	1,632	52.4%
FRCST 2020	1,627	1,575	1,704	1,650	52.2%
FRCST 2021	1,641	1,592	1,718	1,667	52.4%
FRCST 2022	1,653	1,623	1,731	1,699	52.3%
FRCST 2023	1,662	1,635	1,740	1,712	52.3%
FRCST 2024	1,672	1,648	1,751	1,726	52.2%
FRCST 2025	1,682	1,661	1,761	1,740	52.4%
FRCST 2026	1,692	1,675	1,772	1,754	52.5%
FRCST 2027	1,704	1,688	1,784	1,767	52.5%
FRCST 2028	1,717	1,702	1,798	1,782	52.3%
FRCST 2029	1,730	1,715	1,812	1,796	52.4%
FRCST 2030	1,743	1,730	1,825	1,811	52.4%
FRCST 2031	1,756	1,744	1,838	1,826	52.4%
FRCST 2032	1,769	1,758	1,853	1,841	52.3%
FRCST 2033	1,774	1,764	1,858	1,847	52.4%
FRCST 2034	1,782	1,772	1,866	1,856	52.3%
FRCST 2035	1,789	1,781	1,873	1,864	52.3%
FRCST 2036	1,803	1,796	1,888	1,881	52.2%

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

TIME PERIOD	<u>Without Losses (% Chg)</u>		<u>With Losses (% Chg)</u>		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	0.98%	1.24%	0.95%	1.22%	52.25%
2021 -2026	0.62%	1.02%	0.62%	1.02%	52.36%
2026 -2031	0.74%	0.81%	0.74%	0.81%	52.43%
2031 -2036	0.54%	0.60%	0.54%	0.60%	52.32%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.72%	0.92%	0.71%	0.91%	52.33%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****				**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****					
YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)		
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER	
ACTUAL	2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0
ACTUAL	2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0
ACTUAL	2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL	2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0
ACTUAL	2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0
ACTUAL	2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0
ACTUAL	2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0
ACTUAL	2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0
ACTUAL	2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL	2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0
ACTUAL	2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0
FRCST	2016	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2017	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2018	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2019	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2020	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2021	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2022	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2023	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2024	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2025	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2026	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2027	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2028	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2029	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2030	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2031	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2032	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2033	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2034	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2035	99.71%	99.72%	100.0%	0	0	100.0%	0	0
FRCST	2036	99.71%	99.72%	100.0%	0	0	100.0%	0	0

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****				**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****			
TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)						
	WINTER (AVERAGE)	SUMMER (AVERAGE)					
2005 -2010	98.42%	99.15%					
2010 -2015	99.50%	99.68%					
2016 -2021	99.71%	99.72%					
2021 -2026	99.71%	99.72%					
2026 -2031	99.71%	99.72%					
2031 -2036	99.71%	99.72%					
2005 -2015	98.94%	99.41%					
2016 -2036	99.71%	99.72%					

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

YEAR	PERCENTAGE of IN #92 Served by H.E.	IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.	IL #2 served by H.E. (Yes=0 , No= 1)	
		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	51.0%	1	0	0.0%	1	1
ACTUAL 2006	100.0%	0	0	0.0%	1	1
ACTUAL 2007	100.0%	0	0	0.0%	1	1
ACTUAL 2008	100.0%	0	0	0.0%	1	1
ACTUAL 2009	100.0%	0	0	0.0%	1	1
ACTUAL 2010	100.0%	0	0	0.0%	1	1
ACTUAL 2011	100.0%	0	0	100.0%	0	0
ACTUAL 2012	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.0%	0	0	100.0%	0	0
ACTUAL 2014	100.0%	0	0	100.0%	0	0
ACTUAL 2015	100.0%	0	0	100.0%	0	0
FRCST 2016	100.0%	0	0	100.0%	0	0
FRCST 2017	100.0%	0	0	100.0%	0	0
FRCST 2018	100.0%	0	0	100.0%	0	0
FRCST 2019	100.0%	0	0	100.0%	0	0
FRCST 2020	100.0%	0	0	100.0%	0	0
FRCST 2021	100.0%	0	0	100.0%	0	0
FRCST 2022	100.0%	0	0	100.0%	0	0
FRCST 2023	100.0%	0	0	100.0%	0	0
FRCST 2024	100.0%	0	0	100.0%	0	0
FRCST 2025	100.0%	0	0	100.0%	0	0
FRCST 2026	100.0%	0	0	100.0%	0	0
FRCST 2027	100.0%	0	0	100.0%	0	0
FRCST 2028	100.0%	0	0	100.0%	0	0
FRCST 2029	100.0%	0	0	100.0%	0	0
FRCST 2030	100.0%	0	0	100.0%	0	0
FRCST 2031	100.0%	0	0	100.0%	0	0
FRCST 2032	100.0%	0	0	100.0%	0	0
FRCST 2033	100.0%	0	0	100.0%	0	0
FRCST 2034	100.0%	0	0	100.0%	0	0
FRCST 2035	100.0%	0	0	100.0%	0	0
FRCST 2036	100.0%	0	0	100.0%	0	0

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

YEAR	DSM EE Program Energy Impact				DSM Demand Impacts-- Both EE & DR Programs) Coincident 60 Minute Demand MW			
	Aggregated Total Member Energy	Percent of Total Purchases w/o DSM	Total Member Energy Generated	Percent of Total Generated w/o DSM	Savings w/o Losses		Savings with Losses	
	Purchased Savings MWH		Savings MWH		Winter	Summer	Winter	Summer
ACTUAL 2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2009	25,159	0.4%	26,189	0.4%	8.978	3.703	9.436	3.892
ACTUAL 2010	49,468	0.7%	51,663	0.7%	20.610	10.725	21.633	11.257
ACTUAL 2011	81,677	1.2%	85,143	1.2%	32.274	17.657	33.686	18.429
ACTUAL 2012	103,470	1.5%	107,053	1.5%	40.343	23.563	41.924	24.487
ACTUAL 2013	125,031	1.7%	128,352	1.7%	46.802	17.811	48.342	18.397
ACTUAL 2014	144,763	1.9%	149,549	1.9%	52.425	32.103	54.265	33.229
ACTUAL 2015	164,860	2.2%	171,568	2.2%	64.045	26.789	66.824	27.952
FRCST 2016	194,406	2.6%	203,311	2.6%	73.329	45.453	76.889	47.660
FRCST 2017	184,468	2.5%	192,555	2.5%	66.028	42.103	69.140	44.087
FRCST 2018	194,268	2.6%	202,785	2.6%	69.365	43.704	72.634	45.763
FRCST 2019	207,146	2.7%	216,227	2.7%	73.411	45.300	76.870	47.435
FRCST 2020	219,768	2.9%	229,403	2.9%	76.119	44.179	79.706	46.261
FRCST 2021	233,084	3.0%	243,302	3.0%	79.062	43.411	82.787	45.456
FRCST 2022	246,750	3.1%	257,568	3.1%	82.886	43.832	86.792	45.897
FRCST 2023	261,151	3.3%	272,600	3.3%	87.480	45.304	91.602	47.439
FRCST 2024	274,544	3.4%	286,581	3.4%	92.227	46.678	96.573	48.878
FRCST 2025	284,596	3.5%	297,073	3.5%	96.562	47.268	101.112	49.495
FRCST 2026	296,138	3.7%	309,121	3.7%	101.009	48.155	105.769	50.425
FRCST 2027	300,584	3.7%	313,762	3.7%	102.416	47.741	107.242	49.991
FRCST 2028	303,569	3.7%	316,878	3.7%	102.639	47.370	107.475	49.602
FRCST 2029	307,784	3.7%	321,278	3.7%	103.331	47.164	108.200	49.386
FRCST 2030	312,901	3.8%	326,619	3.8%	104.584	46.875	109.512	49.083
FRCST 2031	317,642	3.8%	331,568	3.8%	105.701	46.531	110.682	48.723
FRCST 2032	321,964	3.8%	336,079	3.8%	106.703	46.375	111.731	48.560
FRCST 2033	327,467	3.9%	341,824	3.9%	108.111	46.842	113.205	49.050
FRCST 2034	332,377	3.9%	346,949	3.9%	109.869	47.240	115.047	49.466
FRCST 2035	335,764	3.9%	350,484	3.9%	112.006	47.961	117.284	50.220
FRCST 2036	340,292	3.9%	355,211	3.9%	114.364	48.712	119.753	51.008

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

DSM -- EE Program Demand Impacts
Coincident 60 Minute Demand MW

DSM -- DR Program Demand Impacts
Coincident 60 Minute Demand MW

YEAR	Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL 2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL 2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL 2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL 2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL 2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL 2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL 2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST 2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST 2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST 2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST 2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST 2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.351
FRCST 2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST 2022	77.714	35.201	81.376	36.860	5.172	8.630	5.416	9.037
FRCST 2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST 2024	86.887	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST 2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST 2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST 2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST 2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST 2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST 2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST 2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST 2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST 2033	101.231	36.834	106.001	38.569	6.879	10.009	7.203	10.480
FRCST 2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST 2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST 2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

**** BASE LOWER NORMAL SCENARIO WITH DSM IMPACTS ****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

Appendix A6

Historical/Forecast Annual Load Summary – Base-Severe Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Aggregated Member System Data NUMBER OF CONSUMERS						Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	4,368,980	958,648	2,062,380	38,923	7,428,932
FRCST 2017	284,641	14,038	210	2,936	301,825	4,607,508	968,623	2,122,348	38,923	7,737,403
FRCST 2018	286,184	14,177	208	2,936	303,505	4,756,788	979,893	2,138,086	38,923	7,913,690
FRCST 2019	287,676	14,316	208	2,936	305,136	4,854,867	992,823	2,166,121	38,923	8,052,734
FRCST 2020	289,260	14,455	208	2,936	306,859	4,931,827	1,006,520	2,179,218	38,923	8,156,488
FRCST 2021	290,800	14,594	208	2,936	308,538	4,992,827	1,016,755	2,196,193	38,923	8,244,698
FRCST 2022	292,438	14,737	206	2,936	310,317	5,045,536	1,025,878	2,201,297	38,923	8,311,635
FRCST 2023	294,089	14,880	206	2,936	312,111	5,092,169	1,034,960	2,207,162	38,923	8,373,214
FRCST 2024	295,824	15,023	206	2,936	313,989	5,137,715	1,045,356	2,213,647	38,923	8,435,641
FRCST 2025	297,514	15,166	206	2,936	315,822	5,180,038	1,059,188	2,219,958	38,923	8,498,107
FRCST 2026	299,299	15,309	205	2,936	317,749	5,225,817	1,071,223	2,225,712	38,923	8,561,674
FRCST 2027	301,015	15,469	204	2,936	319,624	5,272,803	1,086,911	2,223,007	38,923	8,621,644
FRCST 2028	302,789	15,629	204	2,936	321,558	5,322,560	1,102,662	2,223,007	38,923	8,687,151
FRCST 2029	304,572	15,789	204	2,936	323,501	5,371,054	1,118,478	2,223,007	38,923	8,751,462
FRCST 2030	306,441	15,949	204	2,936	325,530	5,419,935	1,134,358	2,223,007	38,923	8,816,223
FRCST 2031	308,264	16,109	204	2,936	327,513	5,468,575	1,150,303	2,223,007	38,923	8,880,808
FRCST 2032	310,083	16,274	204	2,936	329,497	5,521,427	1,166,551	2,223,007	38,923	8,949,908
FRCST 2033	311,885	16,439	204	2,936	331,464	5,576,072	1,182,864	2,175,569	38,923	8,973,428
FRCST 2034	313,783	16,604	204	2,936	333,527	5,635,172	1,199,242	2,139,991	38,923	9,013,328
FRCST 2035	315,639	16,769	203	2,936	335,547	5,697,139	1,215,689	2,104,413	38,923	9,056,163
FRCST 2036	317,455	16,934	203	2,936	337,528	5,758,876	1,232,201	2,104,413	38,923	9,134,412

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.53%	0.98%	-2	0	0.55%	2.71%	1.18%	1.27%	0.00%	2.11%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.92%	1.05%	0.27%	0.00%	0.76%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.91%	1.43%	-0.02%	0.00%	0.73%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.04%	1.39%	-1.09%	0.00%	0.56%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.57%	0.99%	-7	0	0.59%	1.39%	1.26%	0.10%	0.00%	1.04%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****						***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****			
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED for H.E. MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)	
						WINTER	SUMMER	WINTER	SUMMER
ACTUAL 2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392
ACTUAL 2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405
ACTUAL 2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421
ACTUAL 2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317
ACTUAL 2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306
ACTUAL 2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462
ACTUAL 2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441
ACTUAL 2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,426	1,631	1,278	1,478
ACTUAL 2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351
ACTUAL 2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348
ACTUAL 2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363
FRCST 2016	7,757,798	8,105,710	4.38%	4.63%	75.500	1,639	1,625	1,498	1,449
FRCST 2017	8,080,807	8,427,955	4.20%	4.50%	75.760	1,716	1,695	1,569	1,513
FRCST 2018	8,265,206	8,620,439	4.20%	4.50%	76.830	1,756	1,736	1,606	1,549
FRCST 2019	8,410,891	8,772,511	4.20%	4.50%	77.430	1,786	1,768	1,634	1,578
FRCST 2020	8,519,466	8,885,845	4.20%	4.50%	76.540	1,808	1,793	1,656	1,603
FRCST 2021	8,611,720	8,982,144	4.20%	4.50%	76.800	1,827	1,815	1,674	1,624
FRCST 2022	8,681,783	9,055,279	4.20%	4.50%	78.340	1,837	1,829	1,683	1,653
FRCST 2023	8,746,228	9,122,549	4.20%	4.50%	79.910	1,849	1,844	1,694	1,667
FRCST 2024	8,811,507	9,190,690	4.20%	4.50%	81.510	1,862	1,860	1,705	1,681
FRCST 2025	8,876,861	9,258,909	4.20%	4.50%	83.140	1,874	1,875	1,716	1,695
FRCST 2026	8,943,351	9,328,314	4.20%	4.50%	84.800	1,887	1,892	1,727	1,710
FRCST 2027	9,005,543	9,393,233	4.20%	4.50%	86.500	1,900	1,907	1,739	1,723
FRCST 2028	9,074,083	9,464,777	4.20%	4.50%	88.230	1,915	1,923	1,753	1,738
FRCST 2029	9,141,385	9,535,030	4.20%	4.50%	89.990	1,930	1,939	1,767	1,752
FRCST 2030	9,209,155	9,605,772	4.20%	4.50%	91.790	1,945	1,955	1,780	1,767
FRCST 2031	9,276,749	9,676,329	4.20%	4.50%	93.630	1,959	1,971	1,793	1,782
FRCST 2032	9,349,059	9,751,809	4.20%	4.50%	93.630	1,975	1,988	1,808	1,797
FRCST 2033	9,374,136	9,777,985	4.20%	4.50%	93.630	1,981	1,994	1,814	1,804
FRCST 2034	9,416,235	9,821,930	4.20%	4.50%	93.630	1,990	2,005	1,823	1,814
FRCST 2035	9,461,441	9,869,118	4.20%	4.50%	93.630	2,000	2,015	1,832	1,823
FRCST 2036	9,543,378	9,954,647	4.20%	4.50%	93.630	2,016	2,033	1,847	1,840

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****						***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****			
TIME PERIOD	AGGREGATED H.E. ENERGY TOTAL ENERGY GENERATED PURCHASED FOR MEMBERS (% CHG.)		AVG. MONTHLY LOSS FACTORS due to MEMBERS ENERGY DEMAND (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
						Non-Coincident (% Chg)		Coincident (% Chg)	
						WINTER	SUMMER	WINTER	SUMMER
2005 -2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%
2010 -2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%
2016 -2021	2.11%	2.07%	4.23%	4.52%	0.34%	2.19%	2.23%	2.24%	2.31%
2021 -2026	0.76%	0.76%	4.20%	4.50%	2.00%	0.65%	0.84%	0.63%	1.03%
2026 -2031	0.73%	0.74%	4.20%	4.50%	2.00%	0.76%	0.82%	0.76%	0.83%
2031 -2036	0.57%	0.57%	4.20%	4.50%	0.00%	0.57%	0.62%	0.59%	0.64%
2005 -2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%
2016 -2036	1.04%	1.03%	4.21%	4.51%	1.08%	1.04%	1.13%	1.05%	1.20%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****					***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****						
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW)					H.E. ANNUAL LOAD FACTOR Due To COINCIDENT PEAK	HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW)					
(All values are estimated 60 minute values)						(All values are estimated 60 minute values)					
YEAR	(WITHOUT LOSSES)		(WITH LOSSES)			WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL LOAD FACTOR Due To NON-COIN. PEAK	
	WINTER	SUMMER	WINTER	SUMMER							
ACTUAL	2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%
ACTUAL	2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%
ACTUAL	2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%
ACTUAL	2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%
ACTUAL	2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%
ACTUAL	2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%
ACTUAL	2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%
ACTUAL	2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%
ACTUAL	2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.5%
ACTUAL	2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%
ACTUAL	2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%
FRCST	2016	1,494	1,445	1,566	1,515	58.9%	1,635	1,621	1,713	1,698	53.9%
FRCST	2017	1,564	1,509	1,637	1,579	58.8%	1,711	1,691	1,790	1,769	53.7%
FRCST	2018	1,601	1,545	1,676	1,617	58.7%	1,751	1,731	1,832	1,811	53.7%
FRCST	2019	1,629	1,574	1,705	1,647	58.7%	1,781	1,764	1,864	1,845	53.7%
FRCST	2020	1,651	1,598	1,728	1,673	58.5%	1,803	1,788	1,887	1,871	53.6%
FRCST	2021	1,669	1,620	1,747	1,695	58.7%	1,822	1,810	1,906	1,894	53.8%
FRCST	2022	1,678	1,648	1,757	1,725	58.8%	1,832	1,824	1,917	1,908	53.9%
FRCST	2023	1,689	1,662	1,768	1,740	58.9%	1,844	1,839	1,929	1,925	54.0%
FRCST	2024	1,700	1,676	1,780	1,755	58.8%	1,856	1,855	1,942	1,941	53.9%
FRCST	2025	1,711	1,691	1,791	1,770	59.0%	1,868	1,870	1,955	1,957	54.0%
FRCST	2026	1,722	1,705	1,802	1,785	59.1%	1,881	1,887	1,968	1,974	53.9%
FRCST	2027	1,734	1,719	1,815	1,799	59.1%	1,894	1,902	1,982	1,990	53.9%
FRCST	2028	1,748	1,733	1,830	1,814	58.9%	1,910	1,918	1,998	2,007	53.7%
FRCST	2029	1,762	1,747	1,844	1,829	59.0%	1,925	1,933	2,014	2,023	53.8%
FRCST	2030	1,775	1,762	1,858	1,844	59.0%	1,939	1,949	2,029	2,040	53.8%
FRCST	2031	1,788	1,777	1,872	1,860	59.0%	1,954	1,966	2,044	2,057	53.7%
FRCST	2032	1,803	1,792	1,887	1,876	58.8%	1,969	1,982	2,061	2,074	53.5%
FRCST	2033	1,809	1,799	1,893	1,883	59.0%	1,976	1,989	2,067	2,081	53.6%
FRCST	2034	1,818	1,809	1,903	1,893	58.9%	1,985	1,999	2,077	2,092	53.6%
FRCST	2035	1,826	1,818	1,912	1,903	58.9%	1,994	2,010	2,086	2,103	53.6%
FRCST	2036	1,842	1,835	1,928	1,920	58.8%	2,010	2,028	2,104	2,122	53.4%

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****					***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****					
HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				
TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)			WINTER	SUMMER	WINTER	SUMMER	H.E. ANNUAL NON-COIN. LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER						
2005 -2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%
2010 -2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%
2016 -2021	2.24%	2.31%	2.21%	2.28%	58.73%	2.19%	2.23%	2.16%	2.20%	53.75%
2021 -2026	0.63%	1.03%	0.63%	1.03%	58.89%	0.65%	0.84%	0.65%	0.84%	53.92%
2026 -2031	0.76%	0.83%	0.76%	0.83%	59.02%	0.76%	0.82%	0.76%	0.82%	53.80%
2031 -2036	0.59%	0.64%	0.59%	0.64%	58.91%	0.57%	0.62%	0.57%	0.62%	53.57%
2005 -2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%
2016 -2036	1.05%	1.20%	1.05%	1.19%	58.88%	1.04%	1.13%	1.03%	1.12%	53.75%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****						***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****					
YEAR	**** EXTREME TEMPERATURE CONDITIONS **** HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE				H.E. ANNUAL LOAD FACTOR Due to EXTREME COINCIDENT PEAK	**** EXTREME TEMPERATURE CONDITIONS **** HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE				H.E. ANNUAL LOAD FACTOR Due To EXTREME NON- COIN. PEAK	
	WITHOUT LOSSES		WITH LOSSES			WITHOUT LOSSES		WITH LOSSES			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL 2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
FRCST 2016	1,669	1,608	1,750	1,685	52.7%	1,824	1,801	1,911	1,887	48.3%	
FRCST 2017	1,746	1,678	1,828	1,756	52.6%	1,908	1,879	1,996	1,966	48.2%	
FRCST 2018	1,788	1,718	1,872	1,798	52.6%	1,952	1,924	2,043	2,013	48.2%	
FRCST 2019	1,820	1,751	1,905	1,833	52.6%	1,987	1,960	2,079	2,051	48.2%	
FRCST 2020	1,844	1,778	1,930	1,861	52.4%	2,012	1,988	2,105	2,080	48.0%	
FRCST 2021	1,865	1,802	1,952	1,886	52.5%	2,033	2,011	2,127	2,105	48.2%	
FRCST 2022	1,882	1,839	1,970	1,925	52.5%	2,051	2,033	2,146	2,127	48.2%	
FRCST 2023	1,895	1,855	1,983	1,942	52.5%	2,065	2,050	2,161	2,146	48.2%	
FRCST 2024	1,908	1,871	1,997	1,958	52.4%	2,080	2,068	2,176	2,164	48.1%	
FRCST 2025	1,920	1,887	2,010	1,975	52.6%	2,094	2,085	2,191	2,182	48.2%	
FRCST 2026	1,933	1,903	2,023	1,992	52.6%	2,109	2,104	2,207	2,201	48.3%	
FRCST 2027	1,947	1,918	2,038	2,008	52.6%	2,124	2,120	2,222	2,219	48.3%	
FRCST 2028	1,963	1,935	2,054	2,025	52.5%	2,141	2,138	2,240	2,237	48.1%	
FRCST 2029	1,978	1,950	2,070	2,042	52.6%	2,158	2,156	2,258	2,256	48.2%	
FRCST 2030	1,993	1,967	2,086	2,059	52.6%	2,174	2,174	2,275	2,275	48.2%	
FRCST 2031	2,008	1,983	2,102	2,076	52.6%	2,190	2,192	2,292	2,293	48.2%	
FRCST 2032	2,024	2,000	2,119	2,094	52.4%	2,208	2,210	2,311	2,313	48.0%	
FRCST 2033	2,031	2,008	2,126	2,102	52.5%	2,215	2,218	2,318	2,321	48.1%	
FRCST 2034	2,042	2,019	2,137	2,113	52.5%	2,226	2,230	2,329	2,333	48.1%	
FRCST 2035	2,052	2,030	2,148	2,125	52.5%	2,236	2,241	2,340	2,345	48.0%	
FRCST 2036	2,069	2,048	2,166	2,144	52.3%	2,255	2,261	2,360	2,366	47.9%	

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****						***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****					
TIME PERIOD	**** EXTREME TEMPERATURE CONDITIONS **** HOOSIER ENERGY COINCIDENT PEAK (60 MIN.)				EXTREME COIN. H.E. ANNUAL LOAD FACTOR (AVERAGE)	**** EXTREME TEMPERATURE CONDITIONS **** HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.)				EXT.NON-COIN H.E. ANNUAL LOAD FACTOR (AVERAGE)	
	Without Losses (% Chg)		With Losses (% Chg)			Without Losses (% Chg)		With Losses (% Chg)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2021	2.24%	2.30%	2.21%	2.27%	52.58%	2.19%	2.23%	2.16%	2.20%	48.18%	
2021 -2026	0.72%	1.10%	0.72%	1.10%	52.52%	0.73%	0.90%	0.73%	0.90%	48.19%	
2026 -2031	0.76%	0.83%	0.76%	0.83%	52.57%	0.76%	0.82%	0.76%	0.82%	48.20%	
2031 -2036	0.60%	0.65%	0.60%	0.65%	52.45%	0.59%	0.63%	0.59%	0.63%	48.04%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2036	1.08%	1.22%	1.07%	1.21%	52.52%	1.07%	1.14%	1.06%	1.14%	48.14%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****

**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****

Aggregated Member System Data
NUMBER OF CONSUMERS

Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	165	1,573	270,798	3,749,514	774,714	1,484,489	33,634	6,042,351
ACTUAL 2006	260,854	11,986	169	1,707	274,716	3,856,899	824,354	1,545,582	32,678	6,259,513
ACTUAL 2007	263,908	12,246	191	1,821	278,166	4,088,777	855,093	1,620,151	34,240	6,598,261
ACTUAL 2008	265,071	12,166	200	1,833	279,270	4,080,904	856,375	1,630,203	33,209	6,600,691
ACTUAL 2009	265,137	12,281	192	1,836	279,446	3,904,138	818,798	1,564,440	31,738	6,319,115
ACTUAL 2010	265,890	12,407	193	1,854	280,344	4,158,334	843,557	1,712,254	33,075	6,747,220
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	4,368,980	958,648	2,062,380	38,923	7,428,932
FRCST 2017	284,641	14,038	210	2,936	301,825	4,607,508	968,623	2,122,348	38,923	7,737,403
FRCST 2018	286,184	14,177	208	2,936	303,505	4,756,788	979,893	2,138,086	38,923	7,913,690
FRCST 2019	287,676	14,316	208	2,936	305,136	4,854,867	992,823	2,166,121	38,923	8,052,734
FRCST 2020	289,260	14,455	208	2,936	306,859	4,931,827	1,006,520	2,179,218	38,923	8,156,488
FRCST 2021	290,800	14,594	208	2,936	308,538	4,992,827	1,016,755	2,196,193	38,923	8,244,698
FRCST 2022	292,438	14,737	206	2,936	310,317	5,045,536	1,025,878	2,201,297	38,923	8,311,635
FRCST 2023	294,089	14,880	206	2,936	312,111	5,092,169	1,034,960	2,207,162	38,923	8,373,214
FRCST 2024	295,824	15,023	206	2,936	313,989	5,137,715	1,045,356	2,213,647	38,923	8,435,641
FRCST 2025	297,514	15,166	206	2,936	315,822	5,180,038	1,059,188	2,219,958	38,923	8,498,107
FRCST 2026	299,299	15,309	205	2,936	317,749	5,225,817	1,071,223	2,225,712	38,923	8,561,674
FRCST 2027	301,015	15,469	204	2,936	319,624	5,272,803	1,086,911	2,223,007	38,923	8,621,644
FRCST 2028	302,789	15,629	204	2,936	321,558	5,322,560	1,102,662	2,223,007	38,923	8,687,151
FRCST 2029	304,572	15,789	204	2,936	323,501	5,371,054	1,118,478	2,223,007	38,923	8,751,462
FRCST 2030	306,441	15,949	204	2,936	325,530	5,419,935	1,134,358	2,223,007	38,923	8,816,223
FRCST 2031	308,264	16,109	204	2,936	327,513	5,468,575	1,150,303	2,223,007	38,923	8,880,808
FRCST 2032	310,083	16,274	204	2,936	329,497	5,521,427	1,166,551	2,223,007	38,923	8,949,908
FRCST 2033	311,885	16,439	204	2,936	331,464	5,576,072	1,182,864	2,175,569	38,923	8,973,428
FRCST 2034	313,783	16,604	204	2,936	333,527	5,635,172	1,199,242	2,139,991	38,923	9,013,328
FRCST 2035	315,639	16,769	203	2,936	335,547	5,697,139	1,215,689	2,104,413	38,923	9,056,163
FRCST 2036	317,455	16,934	203	2,936	337,528	5,758,876	1,232,201	2,104,413	38,923	9,134,412

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems – AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems – AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	3.87%	2.59%	0.90%
2016 -2021	0.53%	0.98%	-2	0	0.55%	2.71%	1.18%	1.27%	0.00%	2.11%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.92%	1.05%	0.27%	0.00%	0.76%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.91%	1.43%	-0.02%	0.00%	0.73%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.04%	1.39%	-1.09%	0.00%	0.56%

2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.38%	1.12%	1.56%
2016 -2036	0.57%	0.99%	-7	0	0.59%	1.39%	1.26%	0.10%	0.00%	1.04%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%
ACTUAL 2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%
ACTUAL 2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%
ACTUAL 2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%
ACTUAL 2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%
ACTUAL 2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%
ACTUAL 2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%
ACTUAL 2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%
ACTUAL 2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%
ACTUAL 2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%
ACTUAL 2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%
FRCST 2016	7,757,798	8,105,710	1,498	1,449	1,494	1,445	1,566	1,515	58.9%
FRCST 2017	8,080,807	8,427,955	1,569	1,513	1,564	1,509	1,637	1,579	58.8%
FRCST 2018	8,265,206	8,620,439	1,606	1,549	1,601	1,545	1,676	1,617	58.7%
FRCST 2019	8,410,891	8,772,511	1,634	1,578	1,629	1,574	1,705	1,647	58.7%
FRCST 2020	8,519,466	8,885,845	1,656	1,603	1,651	1,598	1,728	1,673	58.5%
FRCST 2021	8,611,720	8,982,144	1,674	1,624	1,669	1,620	1,747	1,695	58.7%
FRCST 2022	8,681,783	9,055,279	1,683	1,653	1,678	1,648	1,757	1,725	58.8%
FRCST 2023	8,746,228	9,122,549	1,694	1,667	1,689	1,662	1,768	1,740	58.9%
FRCST 2024	8,811,507	9,190,690	1,705	1,681	1,700	1,676	1,780	1,755	58.8%
FRCST 2025	8,876,861	9,258,909	1,716	1,695	1,711	1,691	1,791	1,770	59.0%
FRCST 2026	8,943,351	9,328,314	1,727	1,710	1,722	1,705	1,802	1,785	59.1%
FRCST 2027	9,005,543	9,393,233	1,739	1,723	1,734	1,719	1,815	1,799	59.1%
FRCST 2028	9,074,083	9,464,777	1,753	1,738	1,748	1,733	1,830	1,814	58.9%
FRCST 2029	9,141,385	9,535,030	1,767	1,752	1,762	1,747	1,844	1,829	59.0%
FRCST 2030	9,209,155	9,605,772	1,780	1,767	1,775	1,762	1,858	1,844	59.0%
FRCST 2031	9,276,749	9,676,329	1,793	1,782	1,788	1,777	1,872	1,860	59.0%
FRCST 2032	9,349,059	9,751,809	1,808	1,797	1,803	1,792	1,887	1,876	58.8%
FRCST 2033	9,374,136	9,777,985	1,814	1,804	1,809	1,799	1,893	1,883	59.0%
FRCST 2034	9,416,235	9,821,930	1,823	1,814	1,818	1,809	1,903	1,893	58.9%
FRCST 2035	9,461,441	9,869,118	1,832	1,823	1,826	1,818	1,912	1,903	58.9%
FRCST 2036	9,543,378	9,954,647	1,847	1,840	1,842	1,835	1,928	1,920	58.8%

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems ENERGY PURCHASED (% CHG.)		Adjusted for Systems ENERGY GENERATED (% CHG.)		Adjusted for Systems AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG)		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%		
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%		
2016 -2021	2.11%	2.07%	2.24%	2.31%	2.24%	2.31%	2.21%	2.28%	58.73%		
2021 -2026	0.76%	0.76%	0.63%	1.03%	0.63%	1.03%	0.63%	1.03%	58.89%		
2026 -2031	0.73%	0.74%	0.76%	0.83%	0.76%	0.83%	0.76%	0.83%	59.02%		
2031 -2036	0.57%	0.57%	0.59%	0.64%	0.59%	0.64%	0.59%	0.64%	58.91%		
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%		
2016 -2036	1.04%	1.03%	1.05%	1.20%	1.05%	1.20%	1.05%	1.19%	58.88%		

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,669	1,608	1,750	1,685	52.7%
FRCST 2017	1,746	1,678	1,828	1,756	52.6%
FRCST 2018	1,788	1,718	1,872	1,798	52.6%
FRCST 2019	1,820	1,751	1,905	1,833	52.6%
FRCST 2020	1,844	1,778	1,930	1,861	52.4%
FRCST 2021	1,865	1,802	1,952	1,886	52.5%
FRCST 2022	1,882	1,839	1,970	1,925	52.5%
FRCST 2023	1,895	1,855	1,983	1,942	52.5%
FRCST 2024	1,908	1,871	1,997	1,958	52.4%
FRCST 2025	1,920	1,887	2,010	1,975	52.6%
FRCST 2026	1,933	1,903	2,023	1,992	52.6%
FRCST 2027	1,947	1,918	2,038	2,008	52.6%
FRCST 2028	1,963	1,935	2,054	2,025	52.5%
FRCST 2029	1,978	1,950	2,070	2,042	52.6%
FRCST 2030	1,993	1,967	2,086	2,059	52.6%
FRCST 2031	2,008	1,983	2,102	2,076	52.6%
FRCST 2032	2,024	2,000	2,119	2,094	52.4%
FRCST 2033	2,031	2,008	2,126	2,102	52.5%
FRCST 2034	2,042	2,019	2,137	2,113	52.5%
FRCST 2035	2,052	2,030	2,148	2,125	52.5%
FRCST 2036	2,069	2,048	2,166	2,144	52.3%

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO RESULTS *****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND

ADJUSTED

TIME PERIOD	<u>Without Losses (% Chg)</u>		<u>With Losses (% Chg)</u>		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	2.24%	2.30%	2.21%	2.27%	52.58%
2021 -2026	0.72%	1.10%	0.72%	1.10%	52.52%
2026 -2031	0.76%	0.83%	0.76%	0.83%	52.57%
2031 -2036	0.60%	0.65%	0.60%	0.65%	52.45%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	1.08%	1.22%	1.07%	1.21%	52.52%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

Aggregated Member System Data
NUMBER OF CONSUMERS

Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,568	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,077,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	283,188	13,899	209	2,936	300,232	4,368,980	958,648	1,899,855	38,923	7,266,407
FRCST 2017	284,641	14,038	209	2,936	301,824	4,607,508	968,623	1,959,823	38,923	7,574,878
FRCST 2018	286,184	14,177	207	2,936	303,504	4,756,788	979,893	1,975,561	38,923	7,751,165
FRCST 2019	287,676	14,316	207	2,936	305,135	4,854,867	992,823	2,003,596	38,923	7,890,209
FRCST 2020	289,260	14,455	207	2,936	306,858	4,931,827	1,006,520	2,016,693	38,923	7,993,963
FRCST 2021	290,800	14,594	207	2,936	308,537	4,992,827	1,016,755	2,033,668	38,923	8,082,174
FRCST 2022	292,438	14,737	205	2,936	310,316	5,045,536	1,025,878	2,038,772	38,923	8,149,110
FRCST 2023	294,089	14,880	205	2,936	312,110	5,092,169	1,034,960	2,044,637	38,923	8,210,689
FRCST 2024	295,824	15,023	205	2,936	313,988	5,137,715	1,045,356	2,051,122	38,923	8,273,117
FRCST 2025	297,514	15,166	205	2,936	315,821	5,180,038	1,059,188	2,057,433	38,923	8,335,582
FRCST 2026	299,299	15,309	204	2,936	317,748	5,225,817	1,071,223	2,063,187	38,923	8,399,150
FRCST 2027	301,015	15,469	203	2,936	319,623	5,272,803	1,086,911	2,060,482	38,923	8,459,120
FRCST 2028	302,789	15,629	203	2,936	321,557	5,322,560	1,102,662	2,060,482	38,923	8,524,627
FRCST 2029	304,572	15,789	203	2,936	323,500	5,371,054	1,118,478	2,060,482	38,923	8,588,937
FRCST 2030	306,441	15,949	203	2,936	325,529	5,419,935	1,134,358	2,060,482	38,923	8,653,698
FRCST 2031	308,264	16,109	203	2,936	327,512	5,468,575	1,150,303	2,060,482	38,923	8,718,283
FRCST 2032	310,083	16,274	203	2,936	329,496	5,521,427	1,166,551	2,060,482	38,923	8,787,383
FRCST 2033	311,885	16,439	203	2,936	331,463	5,576,072	1,182,864	2,013,044	38,923	8,810,903
FRCST 2034	313,783	16,604	203	2,936	333,526	5,635,172	1,199,242	1,977,466	38,923	8,850,803
FRCST 2035	315,639	16,769	202	2,936	335,546	5,697,139	1,215,689	1,941,888	38,923	8,893,639
FRCST 2036	317,455	16,934	202	2,936	337,527	5,758,876	1,232,201	1,941,888	38,923	8,971,888

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind. -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.53%	0.98%	-2	0	0.55%	2.71%	1.18%	1.37%	0.00%	2.15%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.92%	1.05%	0.29%	0.00%	0.77%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.91%	1.43%	-0.03%	0.00%	0.75%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.04%	1.39%	-1.18%	0.00%	0.58%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.57%	0.99%	-7	0	0.59%	1.39%	1.26%	0.11%	0.00%	1.06%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	1,291	1,150	1,355	53.8%
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,186,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	7,595,274	7,943,185	1,483	1,434	1,479	1,430	1,550	1,499	58.3%
FRCST 2017	7,918,282	8,265,430	1,553	1,497	1,549	1,493	1,622	1,564	58.2%
FRCST 2018	8,102,682	8,457,914	1,590	1,534	1,586	1,529	1,661	1,601	58.1%
FRCST 2019	8,248,367	8,609,986	1,619	1,563	1,614	1,558	1,690	1,632	58.2%
FRCST 2020	8,356,941	8,723,320	1,640	1,587	1,636	1,583	1,713	1,658	58.0%
FRCST 2021	8,449,195	8,819,619	1,658	1,609	1,653	1,604	1,731	1,680	58.2%
FRCST 2022	8,519,259	8,892,754	1,668	1,637	1,663	1,633	1,741	1,710	58.3%
FRCST 2023	8,583,703	8,960,024	1,679	1,652	1,674	1,647	1,753	1,725	58.4%
FRCST 2024	8,648,982	9,028,165	1,690	1,666	1,685	1,661	1,764	1,739	58.3%
FRCST 2025	8,714,337	9,096,385	1,701	1,680	1,696	1,675	1,776	1,754	58.5%
FRCST 2026	8,780,826	9,165,789	1,712	1,694	1,707	1,690	1,787	1,769	58.5%
FRCST 2027	8,843,018	9,230,708	1,724	1,708	1,719	1,703	1,800	1,784	58.6%
FRCST 2028	8,911,558	9,302,253	1,738	1,723	1,733	1,718	1,814	1,799	58.4%
FRCST 2029	8,978,860	9,372,506	1,751	1,737	1,746	1,732	1,829	1,814	58.5%
FRCST 2030	9,046,631	9,443,247	1,765	1,752	1,760	1,747	1,842	1,829	58.5%
FRCST 2031	9,114,224	9,513,804	1,778	1,766	1,773	1,761	1,856	1,844	58.5%
FRCST 2032	9,186,534	9,589,284	1,793	1,782	1,787	1,777	1,872	1,860	58.3%
FRCST 2033	9,211,611	9,615,460	1,799	1,788	1,794	1,783	1,878	1,867	58.4%
FRCST 2034	9,253,710	9,659,405	1,808	1,798	1,802	1,793	1,887	1,878	58.4%
FRCST 2035	9,298,916	9,706,593	1,816	1,808	1,811	1,803	1,896	1,888	58.4%
FRCST 2036	9,380,853	9,792,122	1,832	1,824	1,826	1,819	1,912	1,905	58.3%

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems & Ind ENERGY PURCHASED (% CHG.)	Adj. Sys. & Ind. -- H.E. 30 MINUTE ENERGY GENERATED (% CHG.)	Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.28%	2.37%	2.96%	1.02%	3.32%	1.14%	3.37%	1.10%	54.92%
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	2.15%	2.12%	2.26%	2.33%	2.26%	2.33%	2.23%	2.30%	58.16%
2021 -2026	0.77%	0.77%	0.64%	1.04%	0.64%	1.04%	0.64%	1.04%	58.35%
2026 -2031	0.75%	0.75%	0.76%	0.83%	0.76%	0.83%	0.76%	0.83%	58.50%
2031 -2036	0.58%	0.58%	0.59%	0.65%	0.59%	0.65%	0.59%	0.65%	58.41%
2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	1.06%	1.05%	1.06%	1.21%	1.06%	1.21%	1.05%	1.21%	58.35%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,654	1,593	1,734	1,670	52.1%
FRCST 2017	1,731	1,663	1,813	1,741	52.1%
FRCST 2018	1,773	1,703	1,856	1,783	52.0%
FRCST 2019	1,805	1,735	1,890	1,817	52.0%
FRCST 2020	1,829	1,763	1,915	1,846	51.9%
FRCST 2021	1,849	1,786	1,936	1,870	52.0%
FRCST 2022	1,866	1,824	1,954	1,910	51.9%
FRCST 2023	1,879	1,840	1,968	1,926	52.0%
FRCST 2024	1,892	1,856	1,981	1,943	51.9%
FRCST 2025	1,905	1,872	1,995	1,960	52.1%
FRCST 2026	1,918	1,888	2,008	1,977	52.1%
FRCST 2027	1,931	1,903	2,022	1,993	52.1%
FRCST 2028	1,947	1,919	2,039	2,010	51.9%
FRCST 2029	1,962	1,935	2,055	2,026	52.1%
FRCST 2030	1,977	1,951	2,071	2,043	52.1%
FRCST 2031	1,993	1,968	2,086	2,060	52.1%
FRCST 2032	2,009	1,985	2,103	2,078	51.9%
FRCST 2033	2,016	1,993	2,111	2,086	52.0%
FRCST 2034	2,026	2,004	2,122	2,098	52.0%
FRCST 2035	2,036	2,015	2,132	2,110	52.0%
FRCST 2036	2,054	2,033	2,150	2,129	51.8%

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO RESULTS *****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	2.26%	2.32%	2.23%	2.29%	52.01%
2021 -2026	0.73%	1.11%	0.73%	1.11%	51.99%
2026 -2031	0.77%	0.83%	0.77%	0.83%	52.05%
2031 -2036	0.61%	0.66%	0.61%	0.66%	51.95%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	1.09%	1.23%	1.08%	1.22%	52.00%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)	
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0
ACTUAL 2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0
ACTUAL 2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0
ACTUAL 2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0
ACTUAL 2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0
ACTUAL 2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0
ACTUAL 2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0
ACTUAL 2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0
FRCST 2016	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2017	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2018	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2019	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2020	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2021	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2022	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2023	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2024	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2025	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2026	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2027	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2028	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2029	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2030	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2031	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2032	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2033	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2034	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2035	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2036	99.71%	99.72%	100.00%	0	0	100.00%	0	0

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)	
	WINTER (AVERAGE)	SUMMER (AVERAGE)
2005 -2010	98.42%	99.15%
2010 -2015	99.50%	99.68%
2016 -2021	99.71%	99.72%
2021 -2026	99.71%	99.72%
2026 -2031	99.71%	99.72%
2031 -2036	99.71%	99.72%
2005 -2015	98.94%	99.41%
2016 -2036	99.71%	99.72%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

YEAR	PERCENTAGE of IN #92 Served by H.E.	IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.	IL #2 served by H.E. (Yes=0 , No= 1)	
		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	51.0%	1	0	0.0%	1	1
ACTUAL 2006	100.0%	0	0	0.0%	1	1
ACTUAL 2007	100.0%	0	0	0.0%	1	1
ACTUAL 2008	100.0%	0	0	0.0%	1	1
ACTUAL 2009	100.0%	0	0	0.0%	1	1
ACTUAL 2010	100.0%	0	0	0.0%	1	1
ACTUAL 2011	100.0%	0	0	100.0%	0	0
ACTUAL 2012	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.0%	0	0	100.0%	0	0
ACTUAL 2014	100.0%	0	0	100.0%	0	0
ACTUAL 2015	100.0%	0	0	100.0%	0	0
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FRCST 2016	100.00%	0	0	100.00%	0	0
FRCST 2017	100.00%	0	0	100.00%	0	0
FRCST 2018	100.00%	0	0	100.00%	0	0
FRCST 2019	100.00%	0	0	100.00%	0	0
FRCST 2020	100.00%	0	0	100.00%	0	0
FRCST 2021	100.00%	0	0	100.00%	0	0
FRCST 2022	100.00%	0	0	100.00%	0	0
FRCST 2023	100.00%	0	0	100.00%	0	0
FRCST 2024	100.00%	0	0	100.00%	0	0
FRCST 2025	100.00%	0	0	100.00%	0	0
FRCST 2026	100.00%	0	0	100.00%	0	0
FRCST 2027	100.00%	0	0	100.00%	0	0
FRCST 2028	100.00%	0	0	100.00%	0	0
FRCST 2029	100.00%	0	0	100.00%	0	0
FRCST 2030	100.00%	0	0	100.00%	0	0
FRCST 2031	100.00%	0	0	100.00%	0	0
FRCST 2032	100.00%	0	0	100.00%	0	0
FRCST 2033	100.00%	0	0	100.00%	0	0
FRCST 2034	100.00%	0	0	100.00%	0	0
FRCST 2035	100.00%	0	0	100.00%	0	0
FRCST 2036	100.00%	0	0	100.00%	0	0

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

DSM EE Program Energy Impact

DSM Demand Impacts-- Both EE & DR Programs)
Coincident 60 Minute Demand MW

YEAR	Aggregated Total Member Energy		Total Member Energy		Savings w/o Losses		Savings with Losses	
	Purchased Savings MWH	Percent of Total	Generated Savings MWH	Percent of Total	Winter	Summer	Winter	Summer
ACTUAL 2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2009	25,159	0.4%	26,189	0.4%	8,978	3,703	9,436	3,892
ACTUAL 2010	49,468	0.7%	51,663	0.7%	20,610	10,725	21,633	11,257
ACTUAL 2011	81,677	1.2%	85,143	1.2%	32,274	17,657	33,686	18,429
ACTUAL 2012	103,470	1.5%	107,053	1.5%	40,343	23,563	41,924	24,487
ACTUAL 2013	125,031	1.7%	128,352	1.7%	46,802	17,811	48,342	18,397
ACTUAL 2014	144,763	1.9%	149,549	1.9%	52,425	32,103	54,265	33,229
ACTUAL 2015	164,860	2.2%	171,568	2.2%	64,045	26,789	66,824	27,952
FRCST 2016	194,406	2.5%	203,311	2.5%	73,329	45,453	76,889	47,660
FRCST 2017	184,468	2.3%	192,555	2.3%	66,028	42,103	69,140	44,087
FRCST 2018	194,268	2.3%	202,785	2.3%	69,365	43,704	72,634	45,763
FRCST 2019	207,146	2.4%	216,227	2.4%	73,411	45,300	76,870	47,435
FRCST 2020	219,768	2.6%	229,403	2.6%	76,119	44,179	79,706	46,261
FRCST 2021	233,084	2.7%	243,302	2.7%	79,062	43,411	82,787	45,456
FRCST 2022	246,750	2.8%	257,568	2.8%	82,886	43,832	86,792	45,897
FRCST 2023	261,151	3.0%	272,600	3.0%	87,480	45,304	91,602	47,439
FRCST 2024	274,544	3.1%	286,581	3.1%	92,227	46,678	96,573	48,878
FRCST 2025	284,596	3.2%	297,073	3.2%	96,562	47,268	101,112	49,495
FRCST 2026	296,138	3.3%	309,121	3.3%	101,009	48,155	105,769	50,425
FRCST 2027	300,584	3.3%	313,762	3.3%	102,416	47,741	107,242	49,991
FRCST 2028	303,569	3.3%	316,878	3.3%	102,639	47,370	107,475	49,602
FRCST 2029	307,784	3.3%	321,278	3.3%	103,331	47,164	108,200	49,386
FRCST 2030	312,901	3.3%	326,619	3.3%	104,584	46,875	109,512	49,083
FRCST 2031	317,642	3.4%	331,568	3.4%	105,702	46,531	110,682	48,723
FRCST 2032	321,964	3.4%	336,079	3.4%	106,703	46,375	111,731	48,560
FRCST 2033	327,467	3.4%	341,824	3.4%	108,111	46,842	113,205	49,050
FRCST 2034	332,377	3.5%	346,949	3.5%	109,870	47,240	115,047	49,466
FRCST 2035	335,764	3.5%	350,484	3.5%	112,006	47,961	117,284	50,220
FRCST 2036	340,292	3.5%	355,211	3.5%	114,364	48,712	119,753	51,008

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

DSM -- EE Program Demand Impacts
Coincident 60 Minute Demand MW

DSM -- DR Program Demand Impacts
Coincident 60 Minute Demand MW

YEAR	Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL 2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL 2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL 2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL 2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL 2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL 2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL 2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST 2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST 2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST 2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST 2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST 2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.352
FRCST 2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST 2022	77.714	35.202	81.376	36.860	5.172	8.630	5.416	9.037
FRCST 2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST 2024	86.887	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST 2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST 2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST 2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST 2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST 2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST 2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST 2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST 2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST 2033	101.231	36.834	106.001	38.569	6.879	10.009	7.203	10.480
FRCST 2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST 2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST 2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
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***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

***** BASE-SEVERE SCENARIO WITH DSM IMPACTS *****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
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FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

Appendix A7

Historical/Forecast Annual Load Summary – Base-Mild Scenario

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 34 YEARS)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Aggregated Member System Data NUMBER OF CONSUMERS						Aggregated Member System Data SYSTEM ENERGY SALES TO END CONSUMERS (MWH)				
YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	269,261	13,031	173	1,934	284,399	4,087,081	833,664	1,583,193	44,652	6,548,590
ACTUAL 2006	272,892	13,211	177	2,070	288,350	3,997,738	859,810	1,632,862	37,999	6,528,409
ACTUAL 2007	275,983	13,481	199	2,186	291,849	4,235,636	896,961	1,706,767	41,253	6,880,617
ACTUAL 2008	277,143	13,424	208	2,202	292,977	4,225,769	896,208	1,712,574	38,855	6,873,406
ACTUAL 2009	277,179	13,547	200	2,204	293,130	4,049,084	862,271	1,638,530	36,404	6,586,290
ACTUAL 2010	277,915	13,683	201	2,222	294,021	4,313,611	889,903	1,783,519	40,028	7,027,061
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	3,665,412	958,648	2,062,380	38,923	6,725,364
FRCST 2017	284,641	14,038	210	2,936	301,825	3,524,763	968,623	2,122,348	38,923	6,654,658
FRCST 2018	286,184	14,177	208	2,936	303,505	3,461,449	979,893	2,138,086	38,923	6,618,351
FRCST 2019	287,676	14,316	208	2,936	305,136	3,436,958	992,823	2,166,121	38,923	6,634,825
FRCST 2020	289,260	14,455	208	2,936	306,859	3,438,098	1,006,520	2,179,218	38,923	6,662,759
FRCST 2021	290,800	14,594	208	2,936	308,538	3,449,769	1,016,755	2,196,193	38,923	6,701,640
FRCST 2022	292,438	14,737	206	2,936	310,317	3,467,505	1,025,878	2,201,297	38,923	6,733,604
FRCST 2023	294,089	14,880	206	2,936	312,111	3,487,558	1,034,960	2,207,162	38,923	6,768,603
FRCST 2024	295,824	15,023	206	2,936	313,989	3,510,634	1,045,356	2,213,647	38,923	6,808,560
FRCST 2025	297,514	15,166	206	2,936	315,822	3,533,586	1,059,188	2,219,958	38,923	6,851,655
FRCST 2026	299,299	15,309	205	2,936	317,749	3,560,361	1,071,223	2,225,712	38,923	6,896,218
FRCST 2027	301,015	15,469	204	2,936	319,624	3,589,745	1,086,911	2,223,007	38,923	6,938,586
FRCST 2028	302,789	15,629	204	2,936	321,558	3,621,970	1,102,662	2,223,007	38,923	6,986,561
FRCST 2029	304,572	15,789	204	2,936	323,501	3,653,323	1,118,478	2,223,007	38,923	7,033,731
FRCST 2030	306,441	15,949	204	2,936	325,530	3,684,906	1,134,358	2,223,007	38,923	7,081,194
FRCST 2031	308,264	16,109	204	2,936	327,513	3,716,567	1,150,303	2,223,007	38,923	7,128,800
FRCST 2032	310,083	16,274	204	2,936	329,497	3,751,278	1,166,551	2,223,007	38,923	7,179,759
FRCST 2033	311,885	16,439	204	2,936	331,464	3,786,991	1,182,864	2,175,569	38,923	7,184,347
FRCST 2034	313,783	16,604	204	2,936	333,527	3,825,983	1,199,242	2,139,991	38,923	7,204,139
FRCST 2035	315,639	16,769	203	2,936	335,547	3,867,412	1,215,689	2,104,413	38,923	7,226,436
FRCST 2036	317,455	16,934	203	2,936	337,528	3,908,377	1,232,201	2,104,413	38,923	7,283,913

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	AGGREGATED NUMBER OF CONSUMERS					AGGREGATED SYSTEM ENERGY SALES				
	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.63%	0.98%	28	288	0.67%	1.08%	1.31%	2.41%	-2.16%	1.42%
2010 -2015	0.23%	0.82%	6	659	0.30%	-1.48%	1.24%	3.02%	-1.25%	0.09%
2016 -2021	0.53%	0.98%	-2	0	0.55%	-1.21%	1.18%	1.27%	0.00%	-0.07%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.63%	1.05%	0.27%	0.00%	0.57%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.86%	1.43%	-0.02%	0.00%	0.67%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.01%	1.39%	-1.09%	0.00%	0.43%
2005 -2015	0.43%	0.90%	34	947	0.49%	-0.21%	1.28%	2.72%	-1.71%	0.75%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.32%	1.26%	0.10%	0.00%	0.40%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****						***** BASE-MILD SCENARIO WITH DSM IMPACTS *****				
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	TOTAL ENERGY GENERATED for H.E. MEMBERS (MWH)	HE SYSTEM AVERAGE MONTHLY LOSS FACTORS due to MEMBER SYSTEM LOAD (excludes pass-throughs)		H.E. AVERAGE WHOLESALE POWER COSTS (MILLS/MWH)	AGGREGATED MEMBER SYSTEM DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)				
			FOR ENERGY	FOR DEMAND		NONCOINCIDENT (MW)		COINCIDENT (MW) (EST. BEFORE 1984)		
						WINTER	SUMMER	WINTER	SUMMER	
ACTUAL	2005	6,850,535	7,115,713	3.83%	4.22%	*****	1,426	1,472	1,324	1,392
ACTUAL	2006	6,802,245	7,091,068	4.19%	4.47%	*****	1,413	1,500	1,324	1,405
ACTUAL	2007	7,215,322	7,533,291	4.33%	4.84%	*****	1,533	1,559	1,407	1,421
ACTUAL	2008	7,193,537	7,471,337	3.80%	5.10%	*****	1,579	1,442	1,435	1,317
ACTUAL	2009	6,898,781	7,174,725	3.93%	4.86%	*****	1,674	1,453	1,520	1,306
ACTUAL	2010	7,338,146	7,656,224	4.25%	4.73%	*****	1,539	1,577	1,380	1,462
ACTUAL	2011	7,133,476	7,429,116	4.07%	4.19%	*****	1,552	1,579	1,409	1,441
ACTUAL	2012	7,123,700	7,364,416	3.35%	3.77%	*****	1,426	1,631	1,278	1,478
ACTUAL	2013	7,309,346	7,498,978	2.59%	3.19%	*****	1,472	1,498	1,360	1,351
ACTUAL	2014	7,562,117	7,806,610	3.20%	3.39%	*****	1,827	1,482	1,663	1,348
ACTUAL	2015	7,353,260	7,645,777	3.91%	4.16%	*****	1,750	1,533	1,621	1,363
FRCST	2016	7,020,354	7,334,486	4.38%	4.63%	75.500	1,475	1,468	1,345	1,306
FRCST	2017	6,945,876	7,243,267	4.20%	4.50%	75.760	1,462	1,454	1,332	1,293
FRCST	2018	6,907,409	7,203,113	4.20%	4.50%	76.830	1,452	1,447	1,323	1,286
FRCST	2019	6,924,595	7,221,053	4.20%	4.50%	77.430	1,455	1,452	1,325	1,290
FRCST	2020	6,953,685	7,251,419	4.20%	4.50%	76.540	1,459	1,460	1,331	1,299
FRCST	2021	6,994,228	7,293,739	4.20%	4.50%	76.800	1,466	1,470	1,338	1,311
FRCST	2022	7,027,644	7,328,620	4.20%	4.50%	78.340	1,469	1,477	1,341	1,329
FRCST	2023	7,064,242	7,366,823	4.20%	4.50%	79.910	1,476	1,487	1,347	1,338
FRCST	2024	7,105,995	7,410,406	4.20%	4.50%	81.510	1,483	1,497	1,353	1,347
FRCST	2025	7,151,067	7,457,454	4.20%	4.50%	83.140	1,491	1,508	1,360	1,358
FRCST	2026	7,197,671	7,506,101	4.20%	4.50%	84.800	1,499	1,520	1,367	1,368
FRCST	2027	7,241,512	7,551,864	4.20%	4.50%	86.500	1,509	1,531	1,375	1,378
FRCST	2028	7,291,705	7,604,257	4.20%	4.50%	88.230	1,520	1,543	1,385	1,389
FRCST	2029	7,341,065	7,655,782	4.20%	4.50%	89.990	1,531	1,555	1,395	1,400
FRCST	2030	7,390,732	7,707,626	4.20%	4.50%	91.790	1,542	1,568	1,405	1,411
FRCST	2031	7,440,552	7,759,631	4.20%	4.50%	93.630	1,552	1,580	1,415	1,422
FRCST	2032	7,493,872	7,815,288	4.20%	4.50%	93.630	1,564	1,593	1,425	1,433
FRCST	2033	7,499,125	7,820,771	4.20%	4.50%	93.630	1,566	1,595	1,428	1,436
FRCST	2034	7,520,171	7,842,741	4.20%	4.50%	93.630	1,570	1,601	1,432	1,442
FRCST	2035	7,543,867	7,867,475	4.20%	4.50%	93.630	1,575	1,606	1,437	1,448
FRCST	2036	7,604,050	7,930,296	4.20%	4.50%	93.630	1,587	1,620	1,447	1,460

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****						***** BASE-MILD SCENARIO WITH DSM IMPACTS *****			
TIME PERIOD	AGGREGATED H.E. ENERGY TOTAL ENERGY GENERATED PURCHASED FOR MEMBERS (% CHG.)	H.E. ENERGY TOTAL ENERGY GENERATED PURCHASED FOR MEMBERS (% CHG.)	AVG. MONTHLY LOSS FACTORS due to MEMBERS (AVERAGE)		H.E. AVERAGE WHOLESALE POWER COSTS (% CHG.)	AGGREGATED MEMBER PEAK SEASONAL DEMANDS (WITHOUT LOSSES, 30 MINUTE DEMAND)			
			ENERGY	DEMAND		Non-Coincident (% Chg)		Coincident (% Chg)	
						WINTER	SUMMER	WINTER	SUMMER
2005-2010	1.38%	1.48%	4.06%	4.70%	*****	1.53%	1.39%	0.83%	0.99%
2010-2015	0.04%	-0.03%	3.56%	3.90%	*****	2.60%	-0.57%	3.28%	-1.39%
2016-2021	-0.07%	-0.11%	4.23%	4.52%	0.34%	-0.11%	0.03%	-0.10%	0.07%
2021-2026	0.58%	0.58%	4.20%	4.50%	2.00%	0.45%	0.67%	0.43%	0.86%
2026-2031	0.67%	0.67%	4.20%	4.50%	2.00%	0.70%	0.77%	0.69%	0.77%
2031-2036	0.44%	0.44%	4.20%	4.50%	0.00%	0.44%	0.50%	0.45%	0.52%
2005-2015	0.71%	0.72%	3.77%	4.26%	*****	2.06%	0.41%	2.04%	-0.21%
2016-2036	0.40%	0.39%	4.21%	4.51%	1.08%	0.37%	0.49%	0.37%	0.56%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****					***** BASE-MILD SCENARIO WITH DSM IMPACTS *****						
HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW)					H.E. ANNUAL LOAD FACTOR	HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW)					
(All values are estimated 60 minute values)					Due To COINCIDENT PEAK	(All values are estimated 60 minute values)					
YEAR	WITHOUT LOSSES		WITH LOSSES		COINCIDENT PEAK	WITHOUT LOSSES		WITH LOSSES		NON-COIN. PEAK	
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL	2005	1,291	1,377	1,347	1,436	56.6%	1,391	1,457	1,450	1,519	53.5%
ACTUAL	2006	1,292	1,385	1,351	1,448	55.9%	1,379	1,478	1,442	1,545	52.4%
ACTUAL	2007	1,407	1,418	1,478	1,489	57.8%	1,496	1,555	1,571	1,633	52.7%
ACTUAL	2008	1,435	1,296	1,511	1,364	56.3%	1,562	1,420	1,644	1,494	51.7%
ACTUAL	2009	1,518	1,303	1,594	1,369	51.4%	1,672	1,450	1,756	1,522	46.6%
ACTUAL	2010	1,369	1,454	1,436	1,525	57.3%	1,526	1,570	1,600	1,646	53.1%
ACTUAL	2011	1,394	1,435	1,454	1,497	56.6%	1,535	1,573	1,601	1,640	51.7%
ACTUAL	2012	1,275	1,476	1,324	1,533	54.7%	1,423	1,629	1,477	1,691	49.6%
ACTUAL	2013	1,360	1,348	1,404	1,392	61.0%	1,472	1,495	1,520	1,543	55.5%
ACTUAL	2014	1,662	1,341	1,719	1,388	51.8%	1,825	1,475	1,888	1,525	47.2%
ACTUAL	2015	1,608	1,362	1,677	1,420	52.0%	1,735	1,532	1,810	1,597	48.2%
FRCST	2016	1,341	1,303	1,405	1,365	59.4%	1,470	1,464	1,540	1,534	54.2%
FRCST	2017	1,328	1,289	1,390	1,349	59.5%	1,458	1,450	1,525	1,517	54.2%
FRCST	2018	1,320	1,282	1,381	1,342	59.5%	1,448	1,443	1,515	1,509	54.3%
FRCST	2019	1,321	1,287	1,383	1,346	59.6%	1,451	1,448	1,518	1,515	54.3%
FRCST	2020	1,327	1,296	1,389	1,356	59.5%	1,455	1,456	1,522	1,523	54.2%
FRCST	2021	1,334	1,307	1,396	1,368	59.6%	1,462	1,466	1,530	1,534	54.3%
FRCST	2022	1,337	1,326	1,399	1,387	59.8%	1,465	1,473	1,533	1,541	54.3%
FRCST	2023	1,343	1,334	1,405	1,396	59.8%	1,472	1,483	1,539	1,551	54.2%
FRCST	2024	1,349	1,344	1,412	1,406	59.8%	1,479	1,493	1,547	1,562	54.0%
FRCST	2025	1,356	1,354	1,419	1,417	60.0%	1,487	1,504	1,555	1,574	54.1%
FRCST	2026	1,363	1,364	1,426	1,428	60.0%	1,495	1,516	1,564	1,586	54.0%
FRCST	2027	1,371	1,374	1,435	1,438	59.9%	1,504	1,527	1,574	1,598	54.0%
FRCST	2028	1,381	1,385	1,446	1,450	59.7%	1,516	1,539	1,586	1,610	53.8%
FRCST	2029	1,391	1,396	1,456	1,461	59.8%	1,527	1,551	1,597	1,623	53.9%
FRCST	2030	1,401	1,407	1,466	1,473	59.8%	1,537	1,563	1,608	1,636	53.8%
FRCST	2031	1,411	1,418	1,477	1,484	59.7%	1,548	1,576	1,620	1,648	53.7%
FRCST	2032	1,421	1,430	1,488	1,496	59.5%	1,560	1,588	1,632	1,662	53.5%
FRCST	2033	1,424	1,432	1,490	1,499	59.5%	1,561	1,591	1,634	1,664	53.6%
FRCST	2034	1,428	1,438	1,495	1,505	59.5%	1,566	1,596	1,638	1,670	53.6%
FRCST	2035	1,432	1,444	1,499	1,511	59.4%	1,570	1,602	1,643	1,676	53.6%
FRCST	2036	1,443	1,456	1,510	1,523	59.3%	1,582	1,615	1,655	1,690	53.4%

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****					***** BASE-MILD SCENARIO WITH DSM IMPACTS *****					
HOOSIER ENERGY COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)					H.E. ANNUAL COINCIDENT LOAD FACTOR (AVERAGE)	HOOSIER ENERGY NON-COINCIDENT PEAK DEMAND (60 MINUTE VALUE, ALL VALUES EST.)				
TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		COINCIDENT LOAD FACTOR (AVERAGE)	Without Losses (% Chg)		With Losses (% Chg)		NON-COIN. LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	1.17%	1.10%	1.29%	1.21%	55.87%	1.87%	1.51%	1.99%	1.61%	51.66%
2010 -2015	3.28%	-1.30%	3.16%	-1.42%	55.57%	2.61%	-0.49%	2.49%	-0.60%	50.88%
2016 -2021	-0.10%	0.07%	-0.12%	0.04%	59.52%	-0.11%	0.03%	-0.14%	0.00%	54.25%
2021 -2026	0.43%	0.86%	0.43%	0.86%	59.84%	0.45%	0.67%	0.45%	0.67%	54.15%
2026 -2031	0.69%	0.77%	0.70%	0.77%	59.82%	0.70%	0.77%	0.70%	0.77%	53.85%
2031 -2036	0.45%	0.52%	0.45%	0.52%	59.48%	0.44%	0.50%	0.44%	0.50%	53.59%
2005 -2015	2.22%	-0.11%	2.22%	-0.11%	55.58%	2.24%	0.51%	2.24%	0.50%	51.10%
2016 -2036	0.37%	0.56%	0.36%	0.55%	59.65%	0.37%	0.49%	0.36%	0.49%	53.95%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****						***** BASE-MILD SCENARIO WITH DSM IMPACTS *****					
YEAR	**** EXTREME TEMPERATURE CONDITIONS ****				H.E. ANNUAL LOAD FACTOR Due To EXTREME COINCIDENT PEAK	**** EXTREME TEMPERATURE CONDITIONS ****				H.E. ANNUAL LOAD FACTOR Due To EXTREME NON- COIN. PEAK	
	HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)		HOOSIER ENERGY SYSTEM PEAK SEASONAL COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)			HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITHOUT LOSSES)		HOOSIER ENERGY SYSTEM PEAK SEASONAL NON-COINCIDENT DEMAND (MW); 60 MINUTE VALUE (WITH LOSSES)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
ACTUAL 2005	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2006	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2007	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2008	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2009	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2011	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2012	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2013	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2014	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
ACTUAL 2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
FRCST 2016	1,498	1,449	1,570	1,519	53.2%	1,640	1,627	1,719	1,705	48.6%	
FRCST 2017	1,483	1,434	1,552	1,501	53.3%	1,625	1,611	1,701	1,685	48.6%	
FRCST 2018	1,474	1,426	1,542	1,492	53.3%	1,615	1,602	1,690	1,677	48.7%	
FRCST 2019	1,476	1,431	1,545	1,498	53.4%	1,618	1,608	1,693	1,683	48.7%	
FRCST 2020	1,482	1,441	1,552	1,508	53.2%	1,623	1,617	1,699	1,692	48.6%	
FRCST 2021	1,491	1,453	1,561	1,521	53.4%	1,632	1,629	1,707	1,704	48.8%	
FRCST 2022	1,499	1,478	1,569	1,547	53.3%	1,641	1,641	1,716	1,717	48.7%	
FRCST 2023	1,506	1,488	1,577	1,558	53.3%	1,648	1,652	1,724	1,728	48.7%	
FRCST 2024	1,514	1,499	1,584	1,569	53.2%	1,657	1,664	1,734	1,741	48.5%	
FRCST 2025	1,522	1,511	1,593	1,581	53.4%	1,666	1,676	1,743	1,754	48.5%	
FRCST 2026	1,530	1,522	1,602	1,593	53.5%	1,676	1,690	1,754	1,768	48.5%	
FRCST 2027	1,540	1,533	1,612	1,605	53.5%	1,687	1,702	1,765	1,781	48.4%	
FRCST 2028	1,552	1,546	1,624	1,618	53.3%	1,699	1,715	1,778	1,795	48.2%	
FRCST 2029	1,563	1,558	1,636	1,630	53.4%	1,712	1,729	1,791	1,809	48.3%	
FRCST 2030	1,574	1,570	1,647	1,643	53.4%	1,724	1,742	1,804	1,823	48.3%	
FRCST 2031	1,585	1,582	1,659	1,656	53.4%	1,736	1,756	1,816	1,837	48.2%	
FRCST 2032	1,597	1,595	1,671	1,670	53.2%	1,749	1,770	1,830	1,852	48.0%	
FRCST 2033	1,600	1,598	1,674	1,673	53.3%	1,751	1,773	1,832	1,855	48.1%	
FRCST 2034	1,605	1,605	1,680	1,680	53.3%	1,757	1,779	1,838	1,862	48.1%	
FRCST 2035	1,610	1,611	1,685	1,686	53.3%	1,762	1,786	1,844	1,868	48.1%	
FRCST 2036	1,622	1,625	1,698	1,701	53.1%	1,776	1,801	1,858	1,884	47.9%	

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****						***** BASE-MILD SCENARIO WITH DSM IMPACTS *****					
TIME PERIOD	**** EXTREME TEMPERATURE CONDITIONS ****				EXTREME COIN. H.E. ANNUAL LOAD FACTOR (AVERAGE)	**** EXTREME TEMPERATURE CONDITIONS ****				EXT. NON-COIN H.E. ANNUAL LOAD FACTOR (AVERAGE)	
	HOOSIER ENERGY COINCIDENT PEAK (60 MIN.) Without Losses (% Chg)		HOOSIER ENERGY COINCIDENT PEAK (60 MIN.) With Losses (% Chg)			HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.) Without Losses (% Chg)		HOOSIER ENERGY NON-COINCIDENT PEAK (60 MIN.) With Losses (% Chg)			
	WINTER	SUMMER	WINTER	SUMMER		WINTER	SUMMER	WINTER	SUMMER		
2005 -2010	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2010 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2021	-0.09%	0.06%	-0.12%	0.03%	53.28%	-0.11%	0.02%	-0.13%	0.00%	48.66%	
2021 -2026	0.52%	0.93%	0.52%	0.93%	53.36%	0.54%	0.73%	0.54%	0.73%	48.61%	
2026 -2031	0.70%	0.77%	0.70%	0.77%	53.42%	0.70%	0.77%	0.70%	0.77%	48.32%	
2031 -2036	0.47%	0.53%	0.47%	0.53%	53.27%	0.45%	0.51%	0.45%	0.51%	48.08%	
2005 -2015	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
2016 -2036	0.40%	0.57%	0.39%	0.57%	53.32%	0.40%	0.51%	0.39%	0.50%	48.41%	

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****

**** Adjusted for IN #72, IN #16, IN#92, and IL#002 ****

Aggregated Member System Data
NUMBER OF CONSUMERS

Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	165	1,573	270,798	3,749,514	774,714	1,484,489	33,634	6,042,351
ACTUAL 2006	260,854	11,986	169	1,707	274,716	3,856,899	824,354	1,545,582	32,678	6,259,513
ACTUAL 2007	263,908	12,246	191	1,821	278,166	4,088,777	855,093	1,620,151	34,240	6,598,261
ACTUAL 2008	265,071	12,166	200	1,833	279,270	4,080,904	856,375	1,630,203	33,209	6,600,691
ACTUAL 2009	265,137	12,281	192	1,836	279,446	3,904,138	818,798	1,564,440	31,738	6,319,115
ACTUAL 2010	265,890	12,407	193	1,854	280,344	4,158,334	843,557	1,712,254	33,075	6,747,220
ACTUAL 2011	277,750	13,765	210	2,498	294,223	4,093,233	901,706	1,806,351	40,873	6,842,163
ACTUAL 2012	278,374	13,889	204	2,564	295,031	3,958,457	930,498	1,895,575	46,875	6,831,406
ACTUAL 2013	279,339	14,031	207	2,686	296,263	4,091,997	938,827	1,924,132	40,413	6,995,370
ACTUAL 2014	280,060	14,273	205	2,805	297,343	4,204,581	954,504	2,043,777	41,306	7,244,169
ACTUAL 2015	281,173	14,255	207	2,881	298,516	4,002,897	946,635	2,069,866	37,583	7,056,982
FRCST 2016	283,188	13,899	210	2,936	300,233	3,665,412	958,648	2,062,380	38,923	6,725,364
FRCST 2017	284,641	14,038	210	2,936	301,825	3,524,763	968,623	2,122,348	38,923	6,654,658
FRCST 2018	286,184	14,177	208	2,936	303,505	3,461,449	979,893	2,138,086	38,923	6,618,351
FRCST 2019	287,676	14,316	206	2,936	305,136	3,436,958	992,823	2,166,121	38,923	6,634,825
FRCST 2020	289,260	14,455	208	2,936	306,859	3,438,098	1,006,520	2,179,218	38,923	6,662,759
FRCST 2021	290,800	14,594	208	2,936	308,538	3,449,769	1,016,755	2,196,193	38,923	6,701,640
FRCST 2022	292,438	14,737	206	2,936	310,317	3,467,505	1,025,878	2,201,297	38,923	6,733,604
FRCST 2023	294,089	14,880	206	2,936	312,111	3,487,558	1,034,960	2,207,162	38,923	6,768,603
FRCST 2024	295,824	15,023	206	2,936	313,989	3,510,634	1,045,356	2,213,647	38,923	6,808,560
FRCST 2025	297,514	15,166	206	2,936	315,822	3,533,586	1,059,188	2,219,958	38,923	6,851,655
FRCST 2026	299,299	15,309	205	2,936	317,749	3,560,361	1,071,223	2,225,712	38,923	6,896,218
FRCST 2027	301,015	15,469	204	2,936	319,624	3,589,745	1,086,911	2,223,007	38,923	6,938,586
FRCST 2028	302,789	15,629	204	2,936	321,558	3,621,970	1,102,662	2,223,007	38,923	6,986,561
FRCST 2029	304,572	15,789	204	2,936	323,501	3,653,323	1,118,478	2,223,007	38,923	7,033,731
FRCST 2030	306,441	15,949	204	2,936	325,530	3,684,906	1,134,358	2,223,007	38,923	7,081,194
FRCST 2031	308,264	16,109	204	2,936	327,513	3,716,567	1,150,303	2,223,007	38,923	7,128,800
FRCST 2032	310,083	16,274	204	2,936	329,497	3,751,278	1,166,551	2,223,007	38,923	7,179,759
FRCST 2033	311,885	16,439	204	2,936	331,464	3,786,991	1,182,864	2,175,569	38,923	7,184,347
FRCST 2034	313,783	16,604	204	2,936	333,527	3,825,983	1,199,242	2,139,991	38,923	7,204,139
FRCST 2035	315,639	16,769	203	2,936	335,547	3,867,412	1,215,689	2,104,413	38,923	7,226,436
FRCST 2036	317,455	16,934	203	2,936	337,528	3,908,377	1,232,201	2,104,413	38,923	7,283,913

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	2.90%	-0.33%	2.23%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	3.67%	2.59%	0.90%
2016 -2021	0.53%	0.98%	-2	0	0.55%	-1.21%	1.18%	1.27%	0.00%	-0.07%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.63%	1.05%	0.27%	0.00%	0.57%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.86%	1.43%	-0.02%	0.00%	0.67%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.01%	1.39%	-1.09%	0.00%	0.43%

2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.38%	1.12%	1.56%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.32%	1.26%	0.10%	0.00%	0.40%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN #72, IN # 16, IN#92, and IL#002

YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	AGGREGATED MEMBER 30 MIN. COINCIDENT PEAK W/O LOSSES (MW)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITHOUT LOSSES)		HE COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984) (WITH LOSSES)		ANNUAL LOAD FACTOR	
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER		
ACTUAL	2005	6,332,029	6,576,556	1,161	1,331	1,132	1,317	1,181	1,374	54.6%
ACTUAL	2006	6,525,204	6,801,916	1,283	1,348	1,252	1,330	1,310	1,390	55.8%
ACTUAL	2007	6,924,233	7,229,037	1,404	1,358	1,370	1,355	1,439	1,423	57.4%
ACTUAL	2008	6,912,387	7,179,069	1,406	1,265	1,391	1,245	1,465	1,311	55.8%
ACTUAL	2009	6,617,633	6,882,071	1,474	1,249	1,472	1,247	1,546	1,309	50.8%
ACTUAL	2010	7,043,763	7,348,773	1,331	1,399	1,320	1,392	1,385	1,460	57.5%
ACTUAL	2011	7,133,476	7,429,116	1,409	1,441	1,394	1,435	1,454	1,497	56.6%
ACTUAL	2012	7,123,700	7,364,416	1,278	1,478	1,275	1,476	1,324	1,533	54.7%
ACTUAL	2013	7,309,346	7,498,978	1,360	1,351	1,360	1,348	1,404	1,392	61.0%
ACTUAL	2014	7,562,117	7,806,610	1,663	1,348	1,662	1,341	1,719	1,388	51.8%
ACTUAL	2015	7,353,260	7,645,777	1,621	1,363	1,608	1,362	1,677	1,420	52.0%
FRCST	2016	7,020,354	7,334,486	1,345	1,306	1,341	1,303	1,405	1,365	59.4%
FRCST	2017	6,945,876	7,243,267	1,332	1,293	1,328	1,289	1,390	1,349	59.5%
FRCST	2018	6,907,409	7,203,113	1,323	1,286	1,320	1,282	1,381	1,342	59.5%
FRCST	2019	6,924,595	7,221,053	1,325	1,290	1,321	1,287	1,383	1,346	59.6%
FRCST	2020	6,953,685	7,251,419	1,331	1,299	1,327	1,296	1,389	1,356	59.5%
FRCST	2021	6,994,228	7,293,739	1,338	1,311	1,334	1,307	1,396	1,368	59.6%
FRCST	2022	7,027,644	7,328,620	1,341	1,329	1,337	1,326	1,399	1,387	59.8%
FRCST	2023	7,064,242	7,366,823	1,347	1,338	1,343	1,334	1,405	1,396	59.8%
FRCST	2024	7,105,995	7,410,406	1,353	1,347	1,349	1,344	1,412	1,406	59.8%
FRCST	2025	7,151,067	7,457,454	1,360	1,358	1,356	1,354	1,419	1,417	60.0%
FRCST	2026	7,197,671	7,506,101	1,367	1,368	1,363	1,364	1,426	1,428	60.0%
FRCST	2027	7,241,512	7,551,864	1,375	1,378	1,371	1,374	1,435	1,438	59.9%
FRCST	2028	7,291,705	7,604,257	1,385	1,389	1,381	1,385	1,446	1,450	59.7%
FRCST	2029	7,341,065	7,655,782	1,395	1,400	1,391	1,396	1,456	1,461	59.8%
FRCST	2030	7,390,732	7,707,626	1,405	1,411	1,401	1,407	1,466	1,473	59.8%
FRCST	2031	7,440,552	7,759,631	1,415	1,422	1,411	1,418	1,477	1,484	59.7%
FRCST	2032	7,493,872	7,815,288	1,425	1,433	1,421	1,430	1,488	1,496	59.5%
FRCST	2033	7,499,125	7,820,771	1,428	1,436	1,424	1,432	1,490	1,499	59.5%
FRCST	2034	7,520,171	7,842,741	1,432	1,442	1,428	1,438	1,495	1,505	59.5%
FRCST	2035	7,543,867	7,867,475	1,437	1,448	1,432	1,444	1,499	1,511	59.4%
FRCST	2036	7,604,050	7,930,296	1,447	1,460	1,443	1,456	1,510	1,523	59.3%

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems ENERGY PURCHASED (% CHG.)		Adjusted for Systems ENERGY GENERATED (% CHG.)		Adjusted for Systems AGGREGATED 30 MIN. COIN. PEAK W/O LOSSES (% CHG.)		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND (Without Losses (% Chg))		Adjusted for Systems -- HE COIN. 60 MINUTE DEMAND (With Losses (% Chg))		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.15%	2.25%	2.77%	0.99%	3.12%	1.10%	3.24%	1.21%	55.32%		
2010 -2015	0.86%	0.80%	4.03%	-0.52%	4.03%	-0.43%	3.90%	-0.54%	55.60%		
2016 -2021	-0.07%	-0.11%	-0.10%	0.07%	-0.10%	0.07%	-0.12%	0.04%	59.52%		
2021 -2026	0.58%	0.58%	0.43%	0.86%	0.43%	0.86%	0.43%	0.86%	59.84%		
2026 -2031	0.67%	0.67%	0.69%	0.77%	0.69%	0.77%	0.70%	0.77%	59.82%		
2031 -2036	0.44%	0.44%	0.45%	0.52%	0.45%	0.52%	0.45%	0.52%	59.48%		
2005 -2015	1.51%	1.52%	3.40%	0.23%	3.57%	0.33%	3.57%	0.33%	55.28%		
2016 -2036	0.40%	0.39%	0.37%	0.56%	0.37%	0.56%	0.36%	0.55%	59.65%		

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN #72, IN #16, IN#92, and IL#002

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,498	1,449	1,570	1,519	53.2%
FRCST 2017	1,483	1,434	1,552	1,501	53.3%
FRCST 2018	1,474	1,426	1,542	1,492	53.3%
FRCST 2019	1,476	1,431	1,545	1,498	53.4%
FRCST 2020	1,482	1,441	1,552	1,508	53.2%
FRCST 2021	1,491	1,453	1,561	1,521	53.4%
FRCST 2022	1,499	1,478	1,569	1,547	53.3%
FRCST 2023	1,506	1,488	1,577	1,558	53.3%
FRCST 2024	1,514	1,499	1,584	1,569	53.2%
FRCST 2025	1,522	1,511	1,593	1,581	53.4%
FRCST 2026	1,530	1,522	1,602	1,593	53.5%
FRCST 2027	1,540	1,533	1,612	1,605	53.5%
FRCST 2028	1,552	1,546	1,624	1,618	53.3%
FRCST 2029	1,563	1,558	1,636	1,630	53.4%
FRCST 2030	1,574	1,570	1,647	1,643	53.4%
FRCST 2031	1,585	1,582	1,659	1,656	53.4%
FRCST 2032	1,597	1,595	1,671	1,670	53.2%
FRCST 2033	1,600	1,598	1,674	1,673	53.3%
FRCST 2034	1,605	1,605	1,680	1,680	53.3%
FRCST 2035	1,610	1,611	1,685	1,686	53.3%
FRCST 2036	1,622	1,625	1,698	1,701	53.1%

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO RESULTS *****

Adjusted for Systems HE EXT. COIN. 60 MINUTE DEMAND

Without Losses (% Chg) With Losses (% Chg)

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	-0.09%	0.06%	-0.12%	0.03%	53.28%
2021 -2026	0.52%	0.93%	0.52%	0.93%	53.36%
2026 -2031	0.70%	0.77%	0.70%	0.77%	53.42%
2031 -2036	0.47%	0.53%	0.47%	0.53%	53.27%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.40%	0.57%	0.39%	0.57%	53.32%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR. ?)

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads
Aggregated Member System Data
NUMBER OF CONSUMERS

Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads
Aggregated Member System Data
SYSTEM ENERGY SALES TO END CONSUMERS (MWH)

YEAR	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL
ACTUAL 2005	257,250	11,810	164	1,573	270,797	3,749,514	774,714	1,291,857	33,634	5,849,719
ACTUAL 2006	260,854	11,986	168	1,707	274,715	3,856,899	824,354	1,350,149	32,678	6,064,080
ACTUAL 2007	263,908	12,246	190	1,821	278,165	4,088,777	855,093	1,435,203	34,240	6,413,313
ACTUAL 2008	265,071	12,166	199	1,833	279,269	4,080,904	856,375	1,461,588	33,209	6,432,056
ACTUAL 2009	265,137	12,281	191	1,836	279,445	3,904,138	818,798	1,407,974	31,738	6,162,649
ACTUAL 2010	265,890	12,407	192	1,854	280,343	4,158,334	843,557	1,539,864	33,075	6,574,830
ACTUAL 2011	277,750	13,765	209	2,498	294,222	4,093,233	901,706	1,639,768	40,873	6,675,581
ACTUAL 2012	278,374	13,889	203	2,564	295,030	3,958,457	930,498	1,724,452	46,875	6,660,282
ACTUAL 2013	279,339	14,031	206	2,686	296,262	4,091,997	938,827	1,755,612	40,413	6,826,850
ACTUAL 2014	280,060	14,273	204	2,805	297,342	4,204,581	954,504	1,877,588	41,306	7,072,979
ACTUAL 2015	281,173	14,255	206	2,881	298,515	4,002,897	946,635	1,905,355	37,583	6,892,471
FRCST 2016	283,188	13,899	209	2,936	300,232	3,665,412	958,648	1,899,855	38,923	6,562,839
FRCST 2017	284,641	14,038	209	2,936	301,824	3,524,763	968,623	1,959,823	38,923	6,492,133
FRCST 2018	286,184	14,177	207	2,936	303,504	3,461,449	979,893	1,975,561	38,923	6,455,826
FRCST 2019	287,676	14,316	207	2,936	305,135	3,436,958	992,823	2,003,596	38,923	6,472,300
FRCST 2020	289,260	14,455	207	2,936	306,858	3,438,098	1,006,520	2,016,693	38,923	6,500,234
FRCST 2021	290,800	14,594	207	2,936	308,537	3,449,769	1,016,755	2,033,668	38,923	6,539,116
FRCST 2022	292,438	14,737	205	2,936	310,316	3,467,505	1,025,878	2,038,772	38,923	6,571,079
FRCST 2023	294,089	14,880	205	2,936	312,110	3,487,558	1,034,960	2,044,637	38,923	6,606,078
FRCST 2024	295,824	15,023	205	2,936	313,988	3,510,634	1,045,356	2,051,122	38,923	6,646,036
FRCST 2025	297,514	15,166	205	2,936	315,821	3,533,586	1,059,188	2,057,433	38,923	6,689,130
FRCST 2026	299,299	15,309	204	2,936	317,748	3,560,361	1,071,223	2,063,187	38,923	6,733,694
FRCST 2027	301,015	15,489	203	2,936	319,623	3,589,745	1,086,911	2,060,482	38,923	6,776,062
FRCST 2028	302,789	15,629	203	2,936	321,557	3,621,970	1,102,662	2,060,482	38,923	6,824,037
FRCST 2029	304,572	15,789	203	2,936	323,500	3,653,323	1,118,478	2,060,482	38,923	6,871,206
FRCST 2030	306,441	15,949	203	2,936	325,529	3,684,906	1,134,358	2,060,482	38,923	6,918,669
FRCST 2031	308,264	16,109	203	2,936	327,512	3,716,567	1,150,303	2,060,482	38,923	6,966,275
FRCST 2032	310,083	16,274	203	2,936	329,496	3,751,278	1,166,551	2,060,482	38,923	7,017,234
FRCST 2033	311,885	16,439	203	2,936	331,463	3,786,991	1,182,864	2,013,044	38,923	7,021,822
FRCST 2034	313,783	16,604	203	2,936	333,526	3,825,983	1,199,242	1,977,466	38,923	7,041,614
FRCST 2035	315,639	16,769	202	2,936	335,546	3,867,412	1,215,689	1,941,888	38,923	7,063,912
FRCST 2036	317,455	16,934	202	2,936	337,527	3,908,377	1,232,201	1,941,888	38,923	7,121,389

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Adjusted for Systems -- AGGREGATED NUMBER OF CONSUMERS

Adjusted for Systems & Ind. -- AGGREGATED ENERGY SALES

TIME PERIOD	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (ACT.CHG.)	OTHER (ACT.CHG.)	TOTAL (% CHG.)	RESIDENTIAL (% CHG.)	COMMERCIAL (% CHG.)	INDUSTRIAL (% CHG.)	OTHER (% CHG.)	TOTAL (% CHG.)
2005 -2010	0.66%	0.99%	28	281	0.70%	2.09%	1.72%	3.57%	-0.33%	2.36%
2010 -2015	1.12%	2.82%	14	1027	1.26%	-0.76%	2.33%	4.35%	2.59%	0.95%
2016 -2021	0.53%	0.98%	-2	0	0.55%	-1.21%	1.18%	1.37%	0.00%	-0.07%
2021 -2026	0.58%	0.96%	-3	0	0.59%	0.63%	1.05%	0.29%	0.00%	0.59%
2026 -2031	0.59%	1.02%	-1	0	0.61%	0.86%	1.43%	-0.03%	0.00%	0.68%
2031 -2036	0.59%	1.00%	-1	0	0.60%	1.01%	1.39%	-1.18%	0.00%	0.44%
2005 -2015	0.89%	1.90%	42	1308	0.98%	0.66%	2.02%	3.96%	1.12%	1.65%
2016 -2036	0.57%	0.99%	-7	0	0.59%	0.32%	1.26%	0.11%	0.00%	0.41%

1977 : BEGINNING HISTORICAL DATA YEAR ?
2015 : FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 : NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads									
YEAR	AGGREGATED TOTAL MEMBER ENERGY PURCHASED (MWH)	ENERGY GENERATED FOR MEMBERS (MWH)	H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		H.E. COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)				ANNUAL LOAD FACTOR
			WINTER	SUMMER	(WITHOUT LOSSES)		(WITH LOSSES)		
					WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	6,139,397	6,383,924	1,138	1,305	1,109	1,291	1,150	1,355	53.8%
ACTUAL 2006	6,329,771	6,606,483	1,260	1,322	1,229	1,303	1,283	1,366	55.2%
ACTUAL 2007	6,739,285	7,044,089	1,354	1,337	1,321	1,334	1,387	1,397	57.6%
ACTUAL 2008	6,743,752	7,010,434	1,394	1,235	1,379	1,215	1,442	1,327	55.3%
ACTUAL 2009	6,461,167	6,725,605	1,467	1,232	1,465	1,229	1,525	1,292	50.3%
ACTUAL 2010	6,871,372	7,176,383	1,317	1,373	1,306	1,366	1,357	1,431	57.2%
ACTUAL 2011	6,966,893	7,262,533	1,392	1,424	1,377	1,418	1,453	1,478	56.1%
ACTUAL 2012	6,952,576	7,193,293	1,257	1,459	1,254	1,457	1,287	1,537	53.3%
ACTUAL 2013	7,140,826	7,330,458	1,336	1,334	1,336	1,331	1,376	1,385	60.4%
ACTUAL 2014	7,395,928	7,640,421	1,646	1,328	1,645	1,321	1,698	1,369	51.4%
ACTUAL 2015	7,188,749	7,481,266	1,592	1,345	1,579	1,344	1,643	1,412	52.0%
FRCST 2016	6,857,829	7,171,961	1,329	1,291	1,325	1,287	1,390	1,350	58.8%
FRCST 2017	6,783,351	7,080,742	1,317	1,277	1,313	1,274	1,375	1,334	58.8%
FRCST 2018	6,744,884	7,040,589	1,308	1,270	1,304	1,267	1,366	1,327	58.9%
FRCST 2019	6,762,070	7,058,528	1,310	1,275	1,306	1,271	1,368	1,331	58.9%
FRCST 2020	6,791,161	7,088,894	1,315	1,284	1,311	1,281	1,373	1,341	58.8%
FRCST 2021	6,831,703	7,131,214	1,323	1,295	1,319	1,292	1,381	1,353	58.9%
FRCST 2022	6,865,119	7,166,095	1,326	1,314	1,322	1,310	1,384	1,372	59.1%
FRCST 2023	6,901,717	7,204,298	1,331	1,322	1,327	1,319	1,390	1,381	59.2%
FRCST 2024	6,943,470	7,247,881	1,338	1,332	1,334	1,328	1,396	1,391	59.1%
FRCST 2025	6,988,542	7,294,929	1,344	1,342	1,340	1,339	1,403	1,402	59.3%
FRCST 2026	7,035,146	7,343,576	1,351	1,353	1,347	1,349	1,411	1,413	59.3%
FRCST 2027	7,078,987	7,389,339	1,360	1,363	1,356	1,359	1,420	1,423	59.3%
FRCST 2028	7,129,180	7,441,733	1,370	1,374	1,366	1,370	1,430	1,434	59.1%
FRCST 2029	7,178,540	7,493,257	1,380	1,384	1,376	1,381	1,441	1,446	59.2%
FRCST 2030	7,228,207	7,545,102	1,390	1,395	1,386	1,392	1,451	1,457	59.1%
FRCST 2031	7,278,028	7,597,106	1,400	1,407	1,395	1,403	1,461	1,469	59.0%
FRCST 2032	7,331,348	7,652,764	1,410	1,418	1,406	1,414	1,472	1,481	58.8%
FRCST 2033	7,336,600	7,658,246	1,412	1,421	1,408	1,417	1,475	1,484	58.9%
FRCST 2034	7,357,647	7,680,216	1,417	1,427	1,413	1,423	1,479	1,490	58.9%
FRCST 2035	7,381,342	7,704,950	1,421	1,432	1,417	1,428	1,484	1,496	58.8%
FRCST 2036	7,441,525	7,767,771	1,432	1,444	1,428	1,440	1,495	1,508	58.6%

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	Adjusted for Systems & Ind ENERGY PURCHASED (% CHG.)	Adjusted for Systems & Ind ENERGY GENERATED (% CHG.)	Adj. Sys. & Ind. -- H.E. 30 MINUTE COINCIDENT DEMAND (MW) (WITHOUT LOSSES)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND Without Losses (% Chg)		Adjusted for Sys. & Ind. -- HE COIN. 60 MINUTE DEMAND With Losses (% Chg)		ADJUSTED ANNUAL LOAD FACTOR (AVERAGE)
			WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	2.28%	2.37%	2.96%	1.02%	3.32%	1.14%	3.37%	1.10%	54.92%
2010 -2015	0.91%	0.84%	3.87%	-0.41%	3.87%	-0.32%	3.90%	-0.27%	55.06%
2016 -2021	-0.08%	-0.11%	-0.10%	0.07%	-0.10%	0.07%	-0.12%	0.04%	58.84%
2021 -2026	0.59%	0.59%	0.43%	0.87%	0.43%	0.87%	0.43%	0.87%	59.16%
2026 -2031	0.68%	0.68%	0.70%	0.78%	0.70%	0.78%	0.70%	0.78%	59.17%
2031 -2036	0.45%	0.45%	0.46%	0.53%	0.46%	0.53%	0.46%	0.53%	58.85%
2005 -2015	1.59%	1.60%	3.41%	0.30%	3.60%	0.40%	3.63%	0.41%	54.78%
2016 -2036	0.41%	0.40%	0.37%	0.56%	0.37%	0.56%	0.37%	0.56%	58.99%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO RESULTS *****

Energy and Demand Values Adjusted for IN#72,IN#16,IN#92,IL#002 and Special Industrial Loads

EXTREME COINCIDENT 60 MINUTE DEMAND (MW) (EST. BEFORE 1984)

YEAR	(WITHOUT LOSSES)		(WITH LOSSES)		EXTREME ANNUAL LOAD FACTOR
	WINTER	SUMMER	WINTER	SUMMER	
ACTUAL 2005	*****	*****	*****	*****	*****
ACTUAL 2006	*****	*****	*****	*****	*****
ACTUAL 2007	*****	*****	*****	*****	*****
ACTUAL 2008	*****	*****	*****	*****	*****
ACTUAL 2009	*****	*****	*****	*****	*****
ACTUAL 2010	*****	*****	*****	*****	*****
ACTUAL 2011	*****	*****	*****	*****	*****
ACTUAL 2012	*****	*****	*****	*****	*****
ACTUAL 2013	*****	*****	*****	*****	*****
ACTUAL 2014	*****	*****	*****	*****	*****
ACTUAL 2015	*****	*****	*****	*****	*****
FRCST 2016	1,483	1,434	1,555	1,503	52.5%
FRCST 2017	1,468	1,418	1,537	1,485	52.6%
FRCST 2018	1,458	1,411	1,527	1,477	52.6%
FRCST 2019	1,461	1,416	1,530	1,482	52.7%
FRCST 2020	1,467	1,426	1,536	1,493	52.5%
FRCST 2021	1,476	1,438	1,545	1,506	52.7%
FRCST 2022	1,484	1,463	1,554	1,532	52.6%
FRCST 2023	1,491	1,473	1,561	1,542	52.7%
FRCST 2024	1,499	1,484	1,569	1,554	52.6%
FRCST 2025	1,507	1,495	1,578	1,566	52.8%
FRCST 2026	1,515	1,507	1,586	1,578	52.8%
FRCST 2027	1,525	1,518	1,596	1,590	52.8%
FRCST 2028	1,536	1,530	1,609	1,602	52.7%
FRCST 2029	1,547	1,542	1,620	1,615	52.8%
FRCST 2030	1,558	1,555	1,632	1,628	52.8%
FRCST 2031	1,570	1,567	1,643	1,641	52.8%
FRCST 2032	1,581	1,580	1,656	1,654	52.6%
FRCST 2033	1,584	1,583	1,659	1,658	52.7%
FRCST 2034	1,590	1,590	1,664	1,664	52.7%
FRCST 2035	1,595	1,596	1,670	1,671	52.6%
FRCST 2036	1,607	1,609	1,683	1,685	52.5%

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO RESULTS *****

Adjusted for Sys. & Ind. HE EXT. COIN. 60 MINUTE DEMAND

TIME PERIOD	Without Losses (% Chg)		With Losses (% Chg)		ADJUSTED EXT. ANNUAL LOAD FACTOR (AVERAGE)
	WINTER	SUMMER	WINTER	SUMMER	
2005 -2010	*****	*****	*****	*****	*****
2010 -2015	*****	*****	*****	*****	*****
2016 -2021	-0.09%	0.06%	-0.12%	0.03%	52.61%
2021 -2026	0.53%	0.94%	0.53%	0.94%	52.70%
2026 -2031	0.71%	0.78%	0.71%	0.78%	52.78%
2031 -2036	0.47%	0.54%	0.47%	0.54%	52.64%
2005 -2015	*****	*****	*****	*****	*****
2016 -2036	0.40%	0.58%	0.40%	0.57%	52.67%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

YEAR	H.E. Time Factor Ratio from 30 to 60 Minute excludes pass-throughs (Est. before 1984)		PERCENTAGE of IN #72 Served by H.E.	IN #72 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IN #16 Served by H.E.	IN #16 served by H.E. (Yes=0 , No= 1)	
	WINTER	SUMMER		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	97.45%	98.93%	100.0%	0	0	100.0%	0	0
ACTUAL 2006	97.54%	98.57%	100.0%	0	0	100.0%	0	0
ACTUAL 2007	97.56%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2008	98.92%	98.38%	100.0%	0	0	100.0%	0	0
ACTUAL 2009	99.86%	99.76%	100.0%	0	0	100.0%	0	0
ACTUAL 2010	99.16%	99.49%	100.0%	0	0	100.0%	0	0
ACTUAL 2011	98.92%	99.58%	100.0%	0	0	100.0%	0	0
ACTUAL 2012	99.76%	99.86%	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.00%	99.78%	100.0%	0	0	100.0%	0	0
ACTUAL 2014	99.94%	99.47%	100.0%	0	0	100.0%	0	0
ACTUAL 2015	99.18%	99.93%	100.0%	0	0	100.0%	0	0
FRCST 2016	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2017	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2018	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2019	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2020	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2021	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2022	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2023	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2024	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2025	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2026	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2027	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2028	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2029	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2030	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2031	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2032	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2033	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2034	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2035	99.71%	99.72%	100.00%	0	0	100.00%	0	0
FRCST 2036	99.71%	99.72%	100.00%	0	0	100.00%	0	0

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

TIME PERIOD	HE TIME FACTOR RATIO (30 to 60 MINUTE)	
	WINTER (AVERAGE)	SUMMER (AVERAGE)
2005 -2010	98.42%	99.15%
2010 -2015	99.50%	99.68%
2016 -2021	99.71%	99.72%
2021 -2026	99.71%	99.72%
2026 -2031	99.71%	99.72%
2031 -2036	99.71%	99.72%
2005 -2015	98.94%	99.41%
2016 -2036	99.71%	99.72%

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

YEAR	PERCENTAGE of IN #92 Served by H.E.	IN #92 served by H.E. (Yes=0 , No= 1)		PERCENTAGE of IL #2 Served by H.E.	IL #2 served by H.E. (Yes=0 , No= 1)	
		WINTER	SUMMER		WINTER	SUMMER
ACTUAL 2005	51.0%	1	0	0.0%	1	1
ACTUAL 2006	100.0%	0	0	0.0%	1	1
ACTUAL 2007	100.0%	0	0	0.0%	1	1
ACTUAL 2008	100.0%	0	0	0.0%	1	1
ACTUAL 2009	100.0%	0	0	0.0%	1	1
ACTUAL 2010	100.0%	0	0	0.0%	1	1
ACTUAL 2011	100.0%	0	0	100.0%	0	0
ACTUAL 2012	100.0%	0	0	100.0%	0	0
ACTUAL 2013	100.0%	0	0	100.0%	0	0
ACTUAL 2014	100.0%	0	0	100.0%	0	0
ACTUAL 2015	100.0%	0	0	100.0%	0	0
FRCST 2016	100.00%	0	0	100.00%	0	0
FRCST 2017	100.00%	0	0	100.00%	0	0
FRCST 2018	100.00%	0	0	100.00%	0	0
FRCST 2019	100.00%	0	0	100.00%	0	0
FRCST 2020	100.00%	0	0	100.00%	0	0
FRCST 2021	100.00%	0	0	100.00%	0	0
FRCST 2022	100.00%	0	0	100.00%	0	0
FRCST 2023	100.00%	0	0	100.00%	0	0
FRCST 2024	100.00%	0	0	100.00%	0	0
FRCST 2025	100.00%	0	0	100.00%	0	0
FRCST 2026	100.00%	0	0	100.00%	0	0
FRCST 2027	100.00%	0	0	100.00%	0	0
FRCST 2028	100.00%	0	0	100.00%	0	0
FRCST 2029	100.00%	0	0	100.00%	0	0
FRCST 2030	100.00%	0	0	100.00%	0	0
FRCST 2031	100.00%	0	0	100.00%	0	0
FRCST 2032	100.00%	0	0	100.00%	0	0
FRCST 2033	100.00%	0	0	100.00%	0	0
FRCST 2034	100.00%	0	0	100.00%	0	0
FRCST 2035	100.00%	0	0	100.00%	0	0
FRCST 2036	100.00%	0	0	100.00%	0	0

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

DSM EE Program Energy Impact

DSM Demand Impacts-- Both EE & DR Programs)
Coincident 60 Minute Demand MW

YEAR	Aggregated Total Member Energy		Total Member Energy		Savings w/o Losses		Savings with Losses	
	Purchased Savings MWH	Percent of Total	Generated Savings MWH	Percent of Total	Winter	Summer	Winter	Summer
ACTUAL 2005	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2006	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2007	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2008	0	0.0%	0	0.0%	0.000	0.000	0.000	0.000
ACTUAL 2009	25,159	0.4%	26,189	0.4%	8.978	3.703	9.436	3.892
ACTUAL 2010	49,468	0.7%	51,663	0.7%	20,610	10,725	21,633	11,257
ACTUAL 2011	81,677	1.2%	85,143	1.2%	32,274	17,657	33,686	18,429
ACTUAL 2012	103,470	1.5%	107,053	1.5%	40,343	23,563	41,924	24,487
ACTUAL 2013	125,031	1.7%	128,352	1.7%	46,802	17,811	48,342	18,397
ACTUAL 2014	144,763	1.9%	149,549	1.9%	52,425	32,103	54,265	33,229
ACTUAL 2015	164,860	2.2%	171,568	2.2%	64,045	26,789	66,824	27,952
FRCST 2016	194,406	2.8%	203,311	2.8%	73,329	45,453	76,889	47,660
FRCST 2017	184,468	2.6%	192,555	2.6%	66,028	42,103	69,140	44,087
FRCST 2018	194,268	2.8%	202,785	2.8%	69,365	43,704	72,634	45,763
FRCST 2019	207,146	3.0%	216,227	3.0%	73,411	45,300	76,870	47,435
FRCST 2020	219,768	3.1%	229,403	3.1%	76,119	44,179	79,706	46,261
FRCST 2021	233,084	3.3%	243,302	3.3%	79,062	43,411	82,787	45,456
FRCST 2022	246,750	3.5%	257,568	3.5%	82,886	43,832	86,792	45,897
FRCST 2023	261,151	3.6%	272,600	3.6%	87,480	45,304	91,602	47,439
FRCST 2024	274,544	3.8%	286,581	3.8%	92,227	46,678	96,573	48,878
FRCST 2025	284,596	3.9%	297,073	3.9%	96,562	47,268	101,112	49,495
FRCST 2026	296,138	4.0%	309,121	4.0%	101,009	48,155	105,769	50,425
FRCST 2027	300,584	4.1%	313,762	4.1%	102,416	47,741	107,242	49,991
FRCST 2028	303,569	4.1%	316,878	4.1%	102,639	47,370	107,475	49,602
FRCST 2029	307,784	4.1%	321,278	4.1%	103,331	47,164	108,200	49,386
FRCST 2030	312,901	4.1%	326,619	4.1%	104,584	46,875	109,512	49,083
FRCST 2031	317,642	4.2%	331,568	4.2%	105,702	46,531	110,682	48,723
FRCST 2032	321,964	4.2%	336,079	4.2%	106,703	46,375	111,731	48,560
FRCST 2033	327,467	4.3%	341,824	4.3%	108,111	46,842	113,205	49,050
FRCST 2034	332,377	4.3%	346,949	4.3%	109,870	47,240	115,047	49,466
FRCST 2035	335,764	4.4%	350,484	4.4%	112,006	47,961	117,284	50,220
FRCST 2036	340,292	4.4%	355,211	4.4%	114,364	48,712	119,753	51,008

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
2015 :FINAL HISTORICAL DATA YEAR ? (15 YEARS REQUIRED, MAX IS 40)
20 :NUMBER OF YEARS TO FORECAST (MAXIMUM 30 YR.) ?

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

DSM -- EE Program Demand Impacts
Coincident 60 Minute Demand MW

DSM -- DR Program Demand Impacts
Coincident 60 Minute Demand MW

YEAR	Savings w/o Losses		Savings with Losses		Savings w/o Losses		Savings with Losses	
	Winter	Summer	Winter	Summer	Winter	Summer	Winter	Summer
ACTUAL 2005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ACTUAL 2009	8.598	3.200	9.037	3.363	0.380	0.503	0.399	0.529
ACTUAL 2010	17.983	7.080	18.875	7.431	2.628	3.646	2.758	3.827
ACTUAL 2011	27.786	11.636	29.001	12.145	4.488	6.021	4.685	6.285
ACTUAL 2012	34.681	14.910	36.040	15.494	5.662	8.654	5.884	8.993
ACTUAL 2013	40.471	17.811	41.803	18.397	6.331	0.000	6.539	0.000
ACTUAL 2014	45.624	21.522	47.225	22.278	6.801	10.580	7.039	10.951
ACTUAL 2015	56.921	26.789	59.391	27.952	7.124	0.000	7.433	0.000
FRCST 2016	65.867	33.187	69.064	34.798	7.463	12.266	7.825	12.861
FRCST 2017	58.118	29.241	60.856	30.619	7.911	12.862	8.283	13.468
FRCST 2018	60.964	30.070	63.837	31.487	8.401	13.634	8.797	14.276
FRCST 2019	64.814	31.253	67.868	32.726	8.597	14.047	9.002	14.709
FRCST 2020	69.149	32.383	72.407	33.909	6.970	11.796	7.299	12.352
FRCST 2021	73.342	33.770	76.798	35.361	5.720	9.641	5.989	10.095
FRCST 2022	77.714	35.202	81.376	36.860	5.172	8.630	5.416	9.037
FRCST 2023	82.326	36.726	86.205	38.456	5.154	8.579	5.397	8.983
FRCST 2024	86.887	38.076	90.982	39.870	5.339	8.602	5.591	9.008
FRCST 2025	90.906	38.737	95.190	40.563	5.655	8.530	5.922	8.932
FRCST 2026	95.023	39.287	99.500	41.138	5.987	8.869	6.269	9.287
FRCST 2027	96.204	38.594	100.737	40.413	6.211	9.147	6.504	9.579
FRCST 2028	96.235	38.001	100.769	39.792	6.404	9.369	6.706	9.810
FRCST 2029	96.810	37.705	101.372	39.482	6.522	9.459	6.829	9.904
FRCST 2030	97.979	37.288	102.596	39.045	6.605	9.586	6.916	10.038
FRCST 2031	99.007	36.806	103.672	38.540	6.695	9.725	7.010	10.183
FRCST 2032	99.917	36.509	104.625	38.230	6.786	9.865	7.106	10.330
FRCST 2033	101.231	36.834	106.001	38.569	6.879	10.009	7.203	10.480
FRCST 2034	102.895	37.085	107.744	38.833	6.974	10.155	7.303	10.633
FRCST 2035	104.935	37.657	109.880	39.431	7.071	10.304	7.404	10.789
FRCST 2036	107.194	38.257	112.245	40.060	7.170	10.455	7.507	10.948

TIME PERIOD

2005 -2010
2010 -2015

2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

1977 :BEGINNING HISTORICAL DATA YEAR ?
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***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

***** BASE-MILD SCENARIO WITH DSM IMPACTS *****

Load Control Switches

1 = Load Control on peak 0 = No load control on peak

YEAR	Winter CP	Winter NCP	Summer CP	Summer NCP
ACTUAL 2005	NA	NA	NA	NA
ACTUAL 2006	NA	NA	NA	NA
ACTUAL 2007	NA	NA	NA	NA
ACTUAL 2008	NA	NA	NA	NA
ACTUAL 2009	1	0	1	0
ACTUAL 2010	1	0	1	0
ACTUAL 2011	1	0	1	0
ACTUAL 2012	1	0	1	0
ACTUAL 2013	1	0	0	0
ACTUAL 2014	1	0	1	0
ACTUAL 2015	1	0	0	0
<hr/>				
FRCST 2016	1	0	1	0
FRCST 2017	1	0	1	0
FRCST 2018	1	0	1	0
FRCST 2019	1	0	1	0
FRCST 2020	1	0	1	0
FRCST 2021	1	0	1	0
FRCST 2022	1	0	1	0
FRCST 2023	1	0	1	0
FRCST 2024	1	0	1	0
FRCST 2025	1	0	1	0
FRCST 2026	1	0	1	0
FRCST 2027	1	0	1	0
FRCST 2028	1	0	1	0
FRCST 2029	1	0	1	0
FRCST 2030	1	0	1	0
FRCST 2031	1	0	1	0
FRCST 2032	1	0	1	0
FRCST 2033	1	0	1	0
FRCST 2034	1	0	1	0
FRCST 2035	1	0	1	0
FRCST 2036	1	0	1	0

TIME PERIOD

2005 -2010
2010 -2015

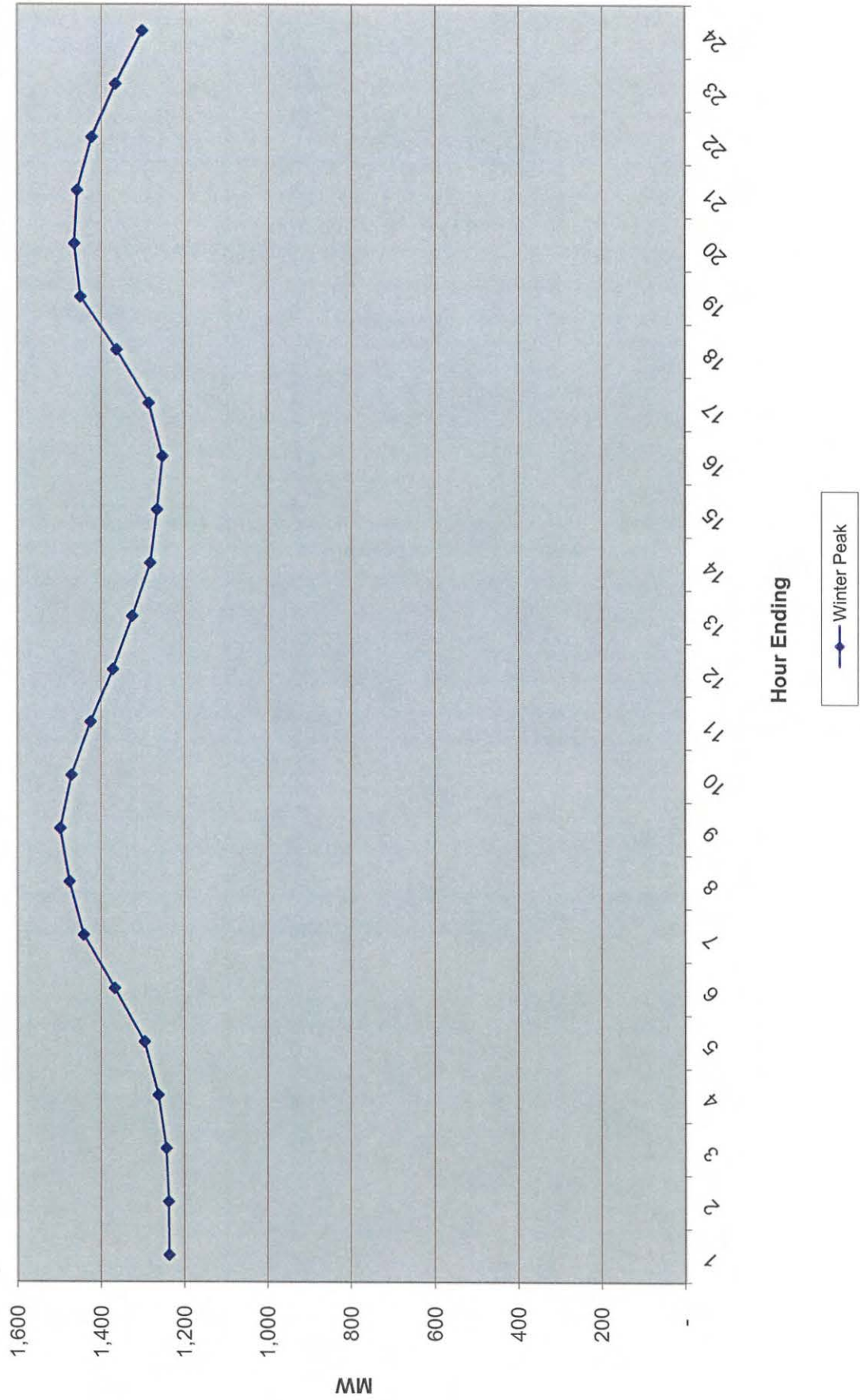
2016 -2021
2021 -2026
2026 -2031
2031 -2036

2005 -2015
2016 -2036

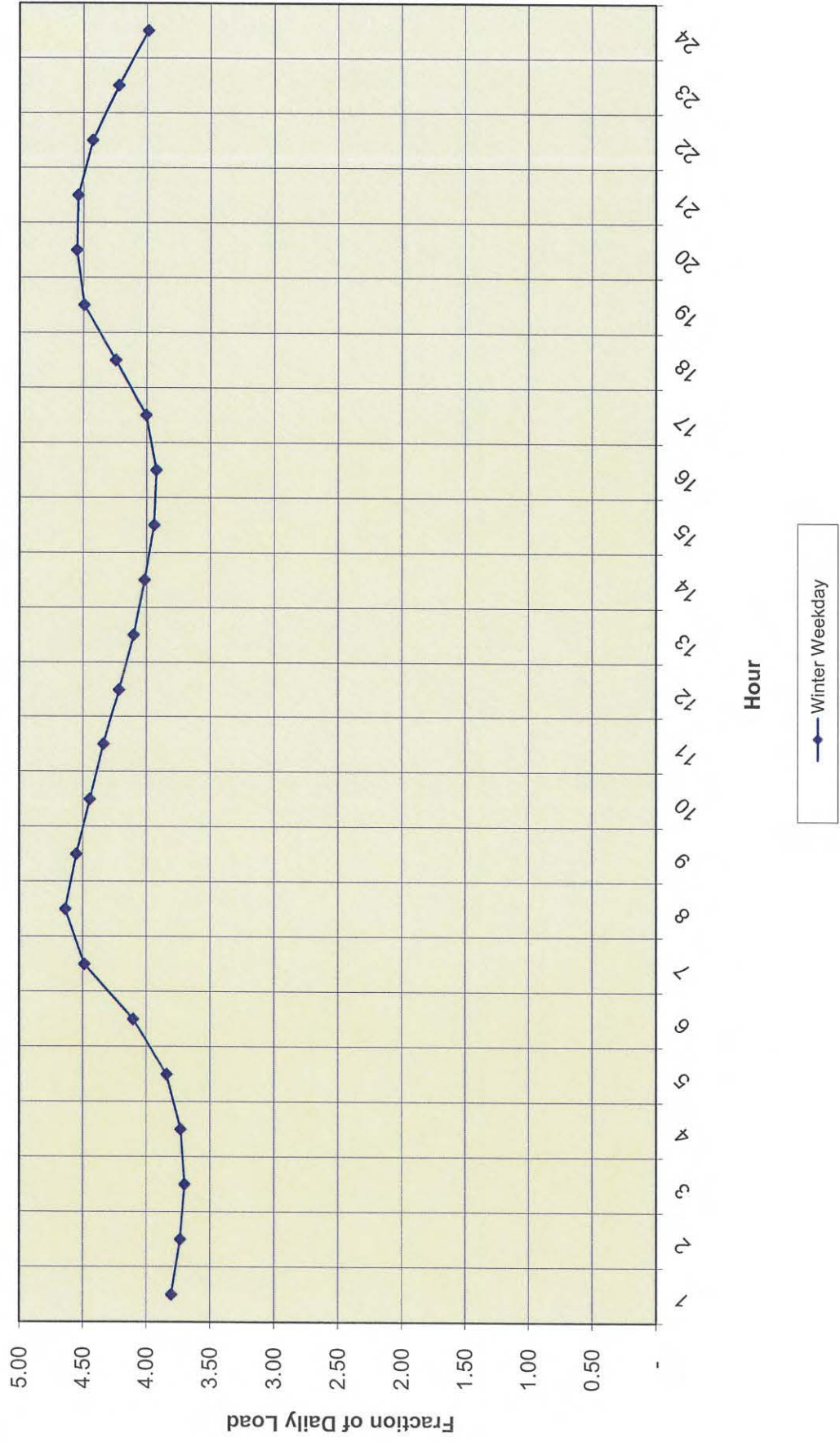
Appendix B

Load Shapes and Historical Load Comparison to Forecast

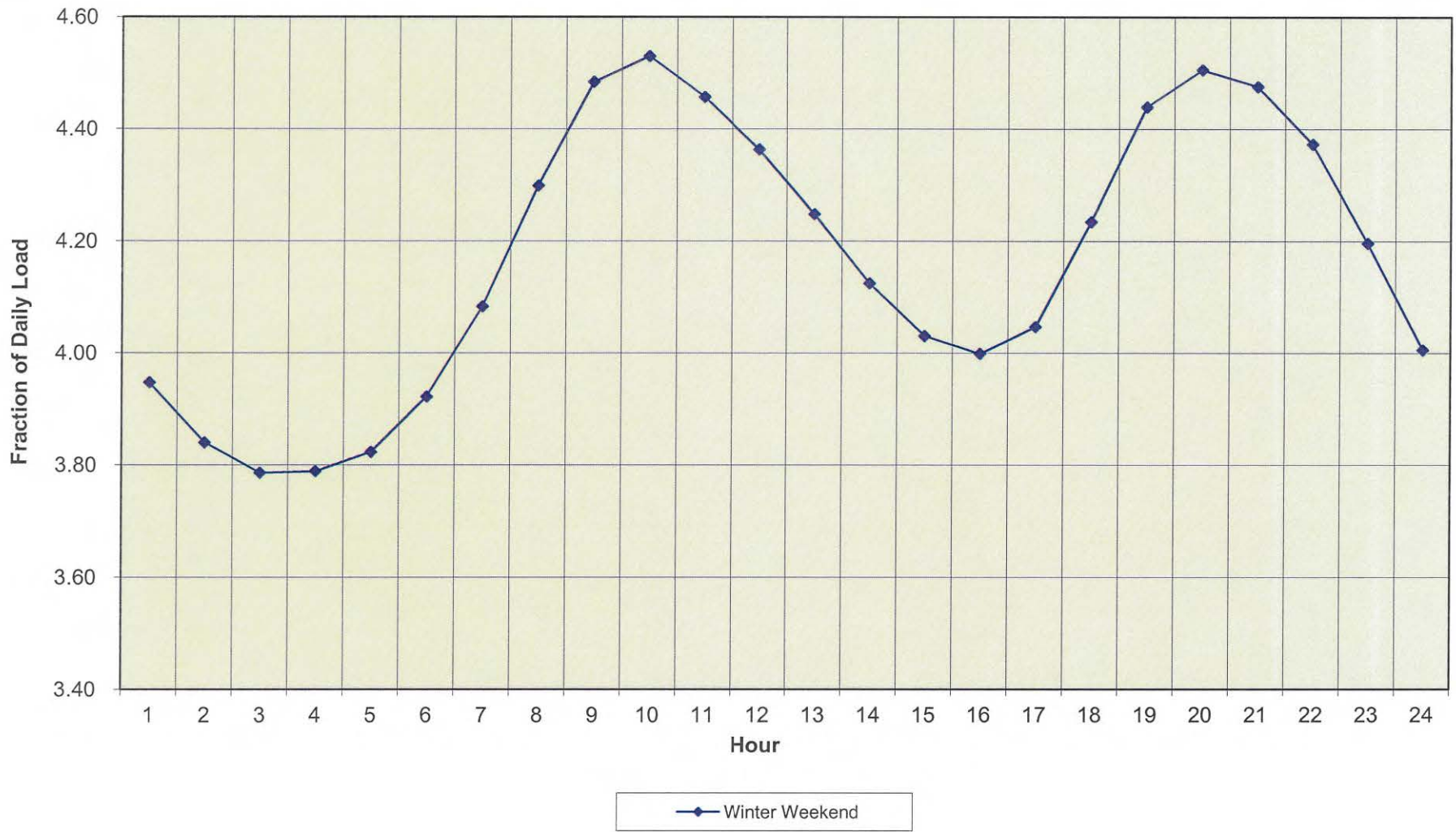
Hourly Load Shape Peak Winter Day 2016



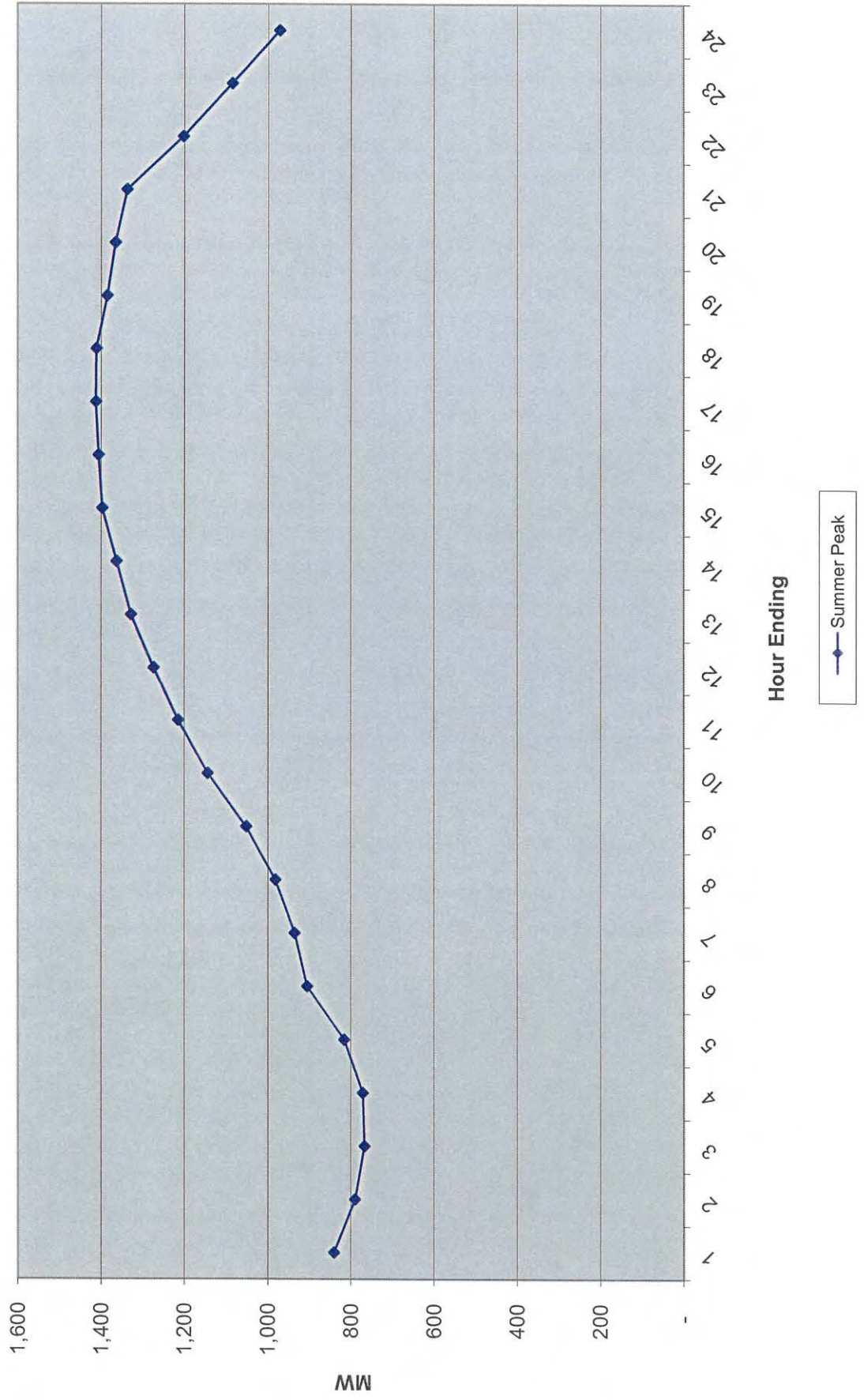
Hourly Load Shape
Typical Winter Weekday



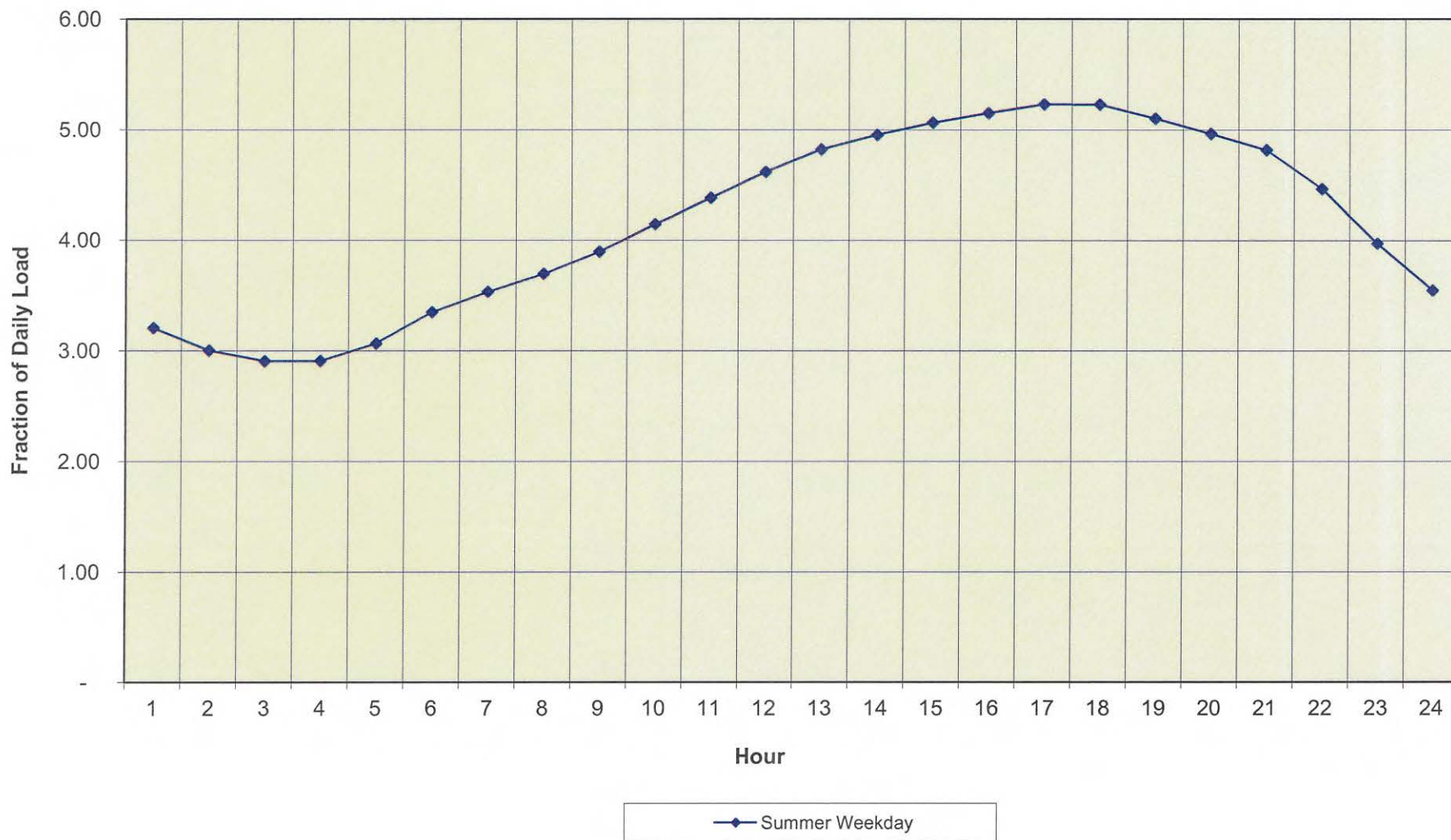
Hourly Load Shape
Typical Winter Weekend



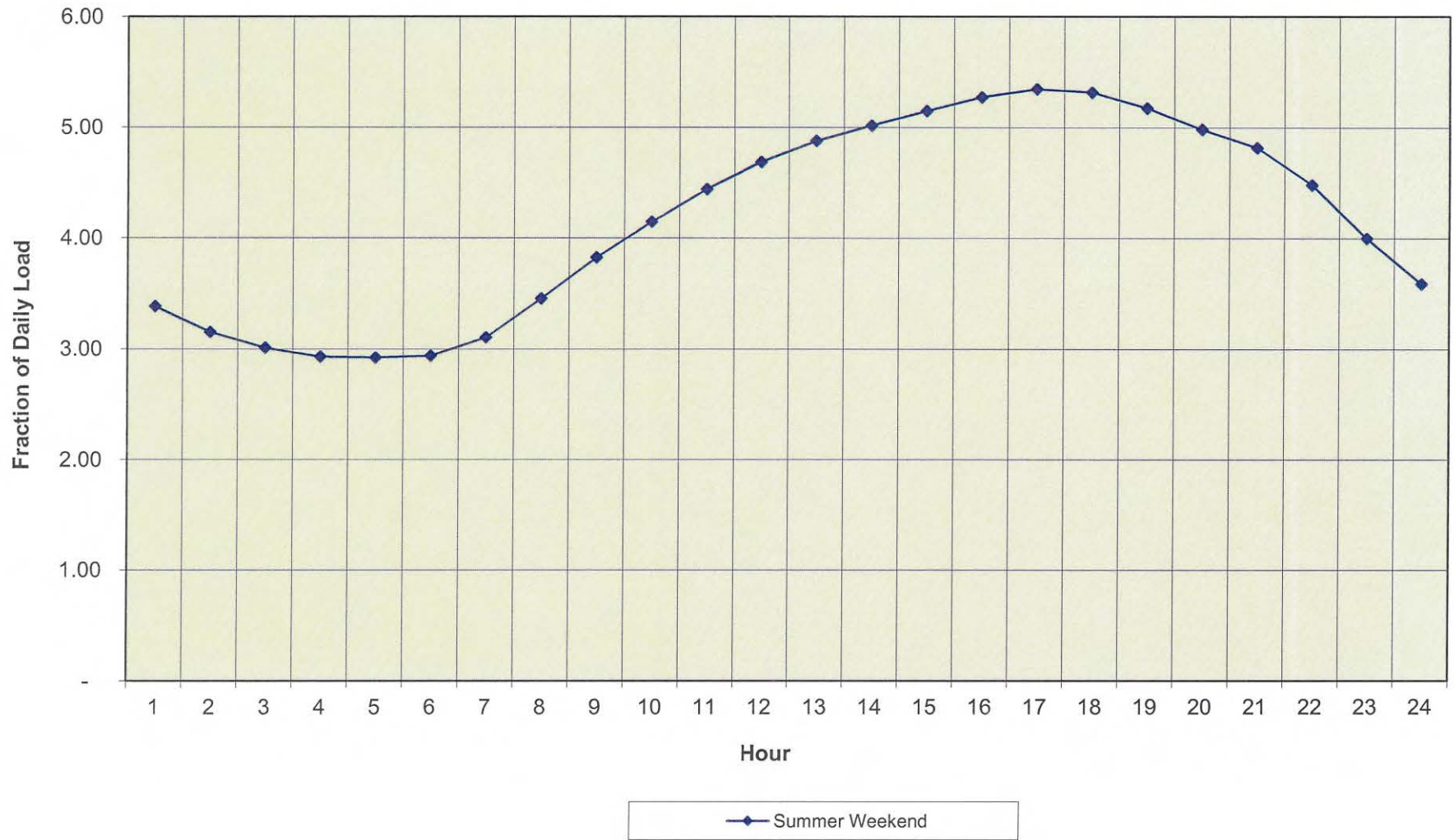
Hourly Load Shape
Peak Summer Day 2016



Hourly Load Shape
Typical Summer Weekday



Hourly Load Shape
Typical Summer Weekend



Hoosier Energy Rural Electric Cooperative, Inc.
 Comparison of Forecasted Summer Peak Demand to Actual (MW)
 Calendar Years 2006 - 2016

Forecasted													
Year	Actual	2005 PRS Forecast	2005 PRS Percentage Variance	2007 PRS Forecast	2007 PRS Percentage Variance	2009 PRS Forecast	2009 PRS Percentage Variance	2011 PRS Forecast	2011 PRS Percentage Variance	2013 PRS Forecast	2013 PRS Percentage Variance	2015 PRS Forecast	2015 PRS Percentage Variance
2006	1,366	1,354	0.9%										
2007	1,397	1,396	0.1%	1,390	0.5%								
2008	1,327	1,430	-7.2%	1,464	-9.4%								
2009	1,292	1,469	-12.0%	1,541	-16.2%	1,392	-7.2%						
2010	1,431	1,501	-4.7%	1,594	-10.2%	1,407	1.7%						
2011	1,478	1,539	-4.0%	1,655	-10.7%	1,472	0.4%	1,370	7.9%				
2012	1,537	1,573	-2.3%	1,689	-9.0%	1,474	4.3%	1,383	11.2%				
2013	1,385	1,610	-14.0%	1,725	-19.7%	1,489	-7.0%	1,401	-1.1%	1,424	-2.7%		
2014	1,369	1,647	-16.9%	1,750	-21.8%	1,500	-8.7%	1,400	-2.2%	1,463	-6.4%		
2015	1,412	1,682	-16.1%	1,782	-20.8%	1,507	-6.3%	1,426	-1.0%	1,488	-5.1%	1,494	-5.5%
2016	1,412	1,719	-17.9%	1,841	-23.3%	1,517	-6.9%	1,428	-1.1%	1,519	-7.0%	1,523	-7.3%

Hoosier Energy Rural Electric Cooperative, Inc.
 Comparison of Forecasted Winter Peak Demand to Actual (MW)
 Calendar Years 2006 - 2016

Year	Actual	Forecasted											
		2005 PRS Forecast	2005 PRS Percentage Variance	2007 PRS Forecast	2007 PRS Percentage Variance	2009 PRS Forecast	2009 PRS Percentage Variance	2011 PRS Forecast	2011 PRS Percentage Variance	2013 PRS Forecast	2013 PRS Percentage Variance	2015 PRS Forecast	2015 PRS Percentage Variance
2006	1,283	1,384	-7.3%										
2007	1,387	1,376	0.8%	1,357	2.2%								
2008	1,442	1,409	2.3%	1,427	1.1%								
2009	1,525	1,448	5.3%	1,500	1.7%	1,398	9.1%						
2010	1,357	1,476	-8.1%	1,551	-12.5%	1,416	-4.2%						
2011	1,453	1,513	-4.0%	1,610	-9.8%	1,470	-1.2%	1,404	3.5%				
2012	1,287	1,546	-16.8%	1,643	-21.7%	1,477	-12.9%	1,416	-9.1%				
2013	1,376	1,582	-13.0%	1,678	-18.0%	1,501	-8.3%	1,431	-3.8%	1,435	-4.1%		
2014	1,698	1,619	4.9%	1,701	-0.2%	1,514	12.2%	1,434	18.4%	1,461	16.2%		
2015	1,643	1,654	-0.7%	1,732	-5.1%	1,527	7.6%	1,453	13.1%	1,491	10.2%	1,497	9.8%
2016	1,498	1,689	-11.3%	1,788	-16.2%	1,544	-3.0%	1,463	2.4%	1,510	-0.8%	1,527	-1.9%

Hoosier Energy Rural Electric Cooperative, Inc.
 Comparison of Forecasted Annual Energy Requirements to Actual (MWh)
 Calendar Years 2006 - 2016

Forecasted

Year	Actual	2005 PRS		2007 PRS		2009 PRS		2011 PRS		2013 PRS		2015 PRS	
		2005 PRS Forecast	Percentage Variance	2007 PRS Forecast	Percentage Variance	2009 PRS Forecast	Percentage Variance	2011 PRS Forecast	Percentage Variance	2013 PRS Forecast	Percentage Variance	2015 PRS Forecast	Percentage Variance
2006	6,606,483	6,803,814	-2.9%										
2007	7,044,089	7,012,221	0.5%	7,041,182	0.0%								
2008	7,010,434	7,176,935	-2.3%	7,420,124	-5.5%								
2009	6,725,605	7,373,453	-8.8%	7,817,530	-14.0%	6,930,213	-3.0%						
2010	7,176,383	7,526,849	-4.7%	8,083,978	-11.2%	7,040,762	1.9%						
2011	7,262,533	7,714,613	-5.9%	8,386,054	-13.4%	7,416,679	-2.1%	7,168,523	1.3%				
2012	7,193,293	7,881,469	-8.7%	8,542,823	-15.8%	7,472,510	-3.7%	7,300,091	-1.5%				
2013	7,330,458	8,063,188	-9.1%	8,713,270	-15.9%	7,626,664	-3.9%	7,469,626	-1.9%	7,279,170	0.7%		
2014	7,640,403	8,244,315	-7.3%	8,816,771	-13.3%	7,709,242	-0.9%	7,598,639	0.5%	7,446,491	2.6%		
2015	7,481,266	8,417,019	-11.1%	8,966,319	-16.6%	7,789,016	-4.0%	7,772,992	-3.8%	7,627,087	-1.9%	7,717,083	-3.1%
2016	7,564,387	8,594,892	-12.0%	9,253,858	-18.3%	7,884,418	-4.1%	7,917,602	-4.5%	7,779,249	-2.8%	7,877,956	-4.0%

Appendix C

Supply-Side Resource Modeling Assumptions

Redacted

Appendix D

Market, Fuel and Emission Price Assumptions

Redacted

Appendix E

Integrated Resource Plan Modeling Results

Redacted

Demand Side Management

2016 ANNUAL REPORT



ReStore[®]-ing Savings

HOOSIERENERGY

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- 7 Commercial and Industrial Programs
Residential Lighting Program
- 8 Residential HVAC Rebates
Attic Insulation and HVAC Duct Sealing
- 9 Touchstone® Energy HomeSM Program
Energy Management Savings Switch Program
- 10-13 Appendix A
- 14-18 Appendix B
- 19 Hoosier Energy Power Network



Hoosier Energy 2016 DSM Lineup



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DSM Summary

The Demand Side Management (DSM) program provided by member systems and Hoosier Energy since 2008 offers a unique “win-win-win” opportunity for consumers, distribution co-op’s and the G&T. Program measures provide consumers with tools to manage electric usage and bills, enable distribution cooperatives to reduce wholesale power costs, and provide Hoosier Energy with an economical long-term

alternative to manage demand and avoid adding generating capacity. End-use efficiency and DSM measures are an important component of an “all of the above” power supply strategy, along with fossil fuels and renewable resources, that will help maintain reliable and affordable energy for consumers well into the future.

2016 Year In Review

Implementation of the Energy Efficiency Collaborative Platform (EECP) software with member systems to track DSM programs was a significant accomplishment. EECP is a workflow automation application that allows members to independently configure and track participation, costs and savings. It provides a single source to collect and store program data for analysis and reporting.

To keep up with residential lighting trends, energy efficiency kits were redesigned in by adding light emitting diode (LED) lamps and information to help consumers understand lighting needs. Cardboard containers were eliminated in favor of a reusable canvas bag. These changes help reduce packaging waste, are responsive to consumer demand for LEDs, and provide better information on how consumers can order from the cooperative online store.

Cooperative branded lighting stores offer LED lamps with instant rebates of up to \$10 per lamp and free

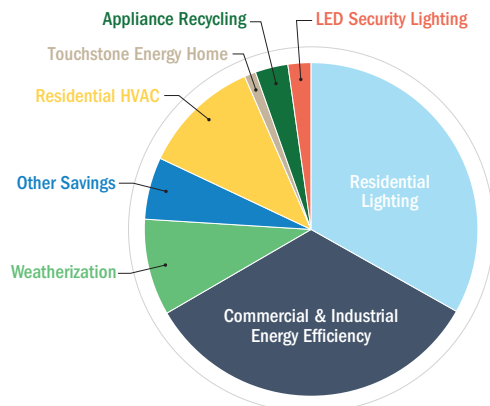
shipping to residential and agricultural consumers. The agricultural store was also expanded to include access for small commercial customers.

The appliance recycling program was restarted in early 2016 as a pilot program with local Habitat for Humanity ReStores providing pick-up service and delivery to recyclers. The pilot program was created as a way to fill a void when the previous vendor unexpectedly ceased operations.

DSM programs continue to thrive under the “Team Up” brand with innovative and eye catching marketing materials, e-newsletters, weekly social media posts, and access to graphics and articles that members use to promote efficiency programs.

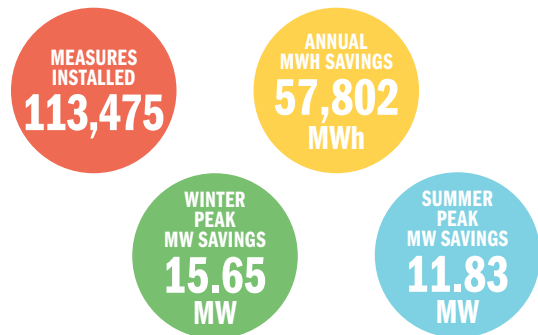
DSM programs in 2016 showed overall growth of 13% compared to 2015 results. Summarized 2016 data for specific programs is presented in this report.

DSM MEASURES



DSM measures installed from 2009 through the end of 2016 are expected to save 233,644 MWh.

2016 DSM PORTFOLIO TOTALS



Annual MWh Savings and Summer & Winter Peak MW Savings are the savings estimated for one year from measures installed in 2016.

ReStore[®]-ing APPLIANCE RECYCLING

Appliance recycling has been a staple of Hoosier Energy's DSM program since 2012 but took a temporary hiatus after the program's vendor filed bankruptcy. Because only two companies nationwide offer this service, finding a replacement vendor was not an easy task.

After an exhaustive search and some outside-the box thinking, Habitat for Humanity's ReStore facility in Henry County looked promising. Habitat for Humanity ReStores are nonprofit home improvement stores and donation centers that sell new and gently used furniture, appliances, home accessories, and building materials to the public at a fraction of the retail price. They are independently owned and operated by local Habitat for Humanity organizations.

Hoosier Energy learned that some local ReStores were already picking up donated appliances. However, many were too old or in too poor condition to reuse and resell and ReStores began recycling them. Hoosier Energy and Henry County ReStore established a mutually-beneficially agreement piloting revival of the appliance recycling program. The ReStore would pick up old appliances from homes, recycle appropriately, and collect a stipend from Hoosier Energy. The distribution cooperative pays its member consumer a \$50 rebate.

"This program is so simple that our members quickly understand its value. It's local; it helps members save energy; and they get to help those in need," says Lara Sullivan, Henry County REMC Manager of Member Services.

While the program has been reborn, it is still a work in progress. Hoosier Energy's 18 member systems serve a large territory and there aren't ReStores in all service areas. After the Hoosier Energy staff piloted the program with the Henry County ReStore, they recognized similar opportunities might be available for other members. Staff subsequently worked



Habitat for Humanity[®]
ReStore[®]



2016 PROGRAM SUMMARY

NUMBER
OF UNITS
702

ENERGY
SAVINGS
673
MWh

SUMMER
PEAK
REDUCTION
.059
MW

with other ReStores that have agreed to pick up appliances outside their normal area to cover the Power Network.

Currently, four ReStores serve 16 member systems and have collected more than 700 appliances since the program began. Options for serving the two remaining service territories are under development.

Benefits speak for themselves. Consumers win by reducing their electric bill, recycling an old appliance without having to leave their home, and receiving a financial incentive. The distribution co-op wins through reducing wholesale power costs and continuing to offer a recycling rebate as a member benefit. And ReStores win because they get the collection fee and increase awareness of Habitat programs among co-op consumers. Homeowners often donate other items to the ReStore while the truck is there to pick up the appliance.

This mutually-beneficial relationship also gets to the heart of what cooperatives are all about – commitment to community. The program now puts funds into local Habitat for Humanity organizations rather than a for-profit recycling business.

“Members feel good when they recognize the name of the business on the truck that shows up at their home. This is an added bonus co-ops love,” said Susie Smith, Hoosier Energy Demand Side Management Analyst.

Program growth is up 20 percent at participating cooperatives proving the recycling program has indeed been “Restored.”



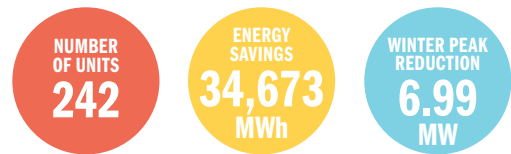
Commercial and Industrial Programs

Energy efficiency is not just for residential consumers. Saving energy and reducing costs can make a big difference for businesses ranging from large industrial consumers to small commercial operations. Commercial and Industrial (C&I) and Direct Install program incentives help make changing to high-efficiency lighting, motors and other equipment easier and more affordable for business owners and managers. Businesses recognize the long-term value of reliable, energy efficient equipment that requires less maintenance and reduces operating costs. The C&I program showed continued strong growth in 2016 with 242 completed rebates for lighting, HVAC, motor and compressed air systems and \$1,284,723 paid for incentives. Those incentives leveraged an additional \$6 million in efficiency investments by C&I facility

owners. Program results are projected to reduce lifetime energy costs for participating businesses by more than \$49 million.

\$1,284,723
2016 PAID FOR INCENTIVES

2016 COMMERCIAL/INDUSTRIAL & DIRECT INSTALL PROGRAMS



Residential Lighting Program

Lighting offers one of the simplest and most cost effective ways to manage energy use. When and how lights are used and the quality and type of lamps selected can have a significant impact on electric costs. Understanding lighting requirements and the types of lamps to best meet specific needs can be challenging, and switching all lamps to high efficiency lighting can be costly.

Distribution cooperatives and Hoosier Energy have teamed up to provide an online lighting store for consumers to address these needs. Co-op members have access to high quality, energy efficient light emitting diode (LED) products for use in and around their home. Lamps come with an instant rebate and free shipping to make it more affordable to replace inefficient lighting with long lasting, low wattage LEDs.

Along with a variety of LED lamps, the online store offers easy, self-install products such as weather stripping, outlet and wall switch air sealing gaskets, LED nightlights,

refrigerator/freezer thermometers, and outlet receptacle covers at low cost and with free shipping.

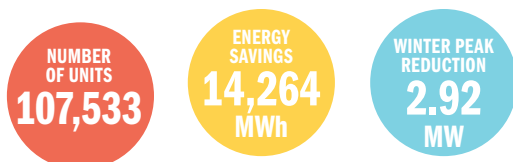
Agricultural and smaller commercial consumers can also benefit from cooperative membership with additional pricing discounts for bulk quantities ordered through the online store.

In 2016, more than 90,000 high-efficiency lamps were ordered through the cooperative online store. Distribution cooperatives and Hoosier Energy have provided a total of more than 1.7 million lights to consumers since the program began in 2009.

LED SECURITY LIGHTING

High efficiency lighting is not just a savings inside your home. Lamps that light driveways, roadways, access roads and barns do not have a switch. By using LED models to replace older and more maintenance intensive mercury vapor or high-pressure sodium security lights, cooperatives can reduce energy requirements for those fixtures by as much as 70 percent. Nearly 6,000 security lights were replaced with high-efficiency dusk-to-dawn LED fixtures in 2016.

2016 RESIDENTIAL LIGHTING



Residential and Ag Lighting, Energy Kits, LED Security Lighting

5,732

SECURITY LIGHTS REPLACED IN 2016
WITH HIGH-EFFICIENCY DUSK-TO-DAWN LED FIXTURES

Residential HVAC Rebates

How a consumer chooses to heat and cool their home makes a big difference in comfort and energy costs with up to 60% annual savings available to consumers who select high-efficiency equipment. The residential heating, ventilation and air conditioning (HVAC) program provides incentives to homeowners to upgrade to more efficient systems. More than 4,300 HVAC, attic insulation and duct sealing rebates were paid in 2016 to consumers who installed qualifying equipment. Geothermal heat pump rebates rose slightly from prior years, likely in anticipation of expiration of a 30% income tax credit for equipment placed in service by the end of 2016.

Cooperative rebates for geothermal systems will continue in 2017 but fewer new systems are expected

as a result of termination of the tax credit. Dual fuel heat pump rebates showed 29% percent growth in 2016 while air source heat pumps and heat pump water heaters experienced steady installation rates.



2016 RESIDENTIAL HVAC REBATES



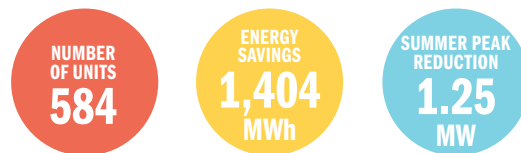
Attic Insulation and HVAC Duct Sealing

Insulation is a major factor in maintaining comfort levels in a home. Adequate insulation, particularly in attics, prevents exterior heat or cold from transferring into living spaces making it easier and more cost effective to comfort condition homes.

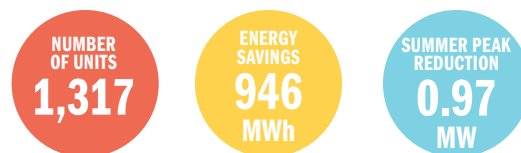
Ensuring proper air sealing on HVAC duct work is another way consumers can improve comfort in their home while easing the workload and energy requirements of heating and cooling systems. Preventing air leakage through the duct system can improve efficiency and energy savings, maintaining the comfort homeowners seek.

Rebates for duct sealing and attic insulation jumped dramatically in 2016 with 1,901 installations. Difficulties attracting qualified contractors in several areas and related quality control concerns presented significant challenges that contributed to a decision to eliminate these programs in future years.

2016 ATTIC INSULATION



2016 DUCT SEALING



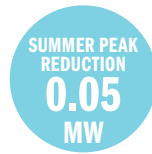
Touchstone Energy® HomeSM Program

Building a Touchstone Energy® HomeSM offers substantial benefits for homeowners. Rebates are available to help consumers pay for high-efficiency water heating and HVAC equipment, and efficient high quality construction provides protection from weather extremes, consistent comfort, and makes the home more affordable by reducing energy bills.

There were fewer new homes registered in 2016 but the number of completed homes held steady as a result of builder-friendly weather. The redesigned website has proved successful with many new Home inquiries and requests coming through the contact page. Prospective homeowners are also using the convenient “Find a Builder” feature to locate building professionals in their area making the process easier for consumers and benefiting registered builders.



2016 TOUCHSTONE ENERGY HOME PROGRAM



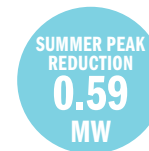
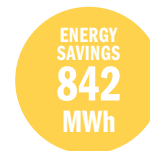
Energy Management Savings Switch Program

The cost of electricity varies based upon when it is used during the day or during the year and managing the timing of consumer energy use provides a valuable means to control and reduce power supply costs. As demand for energy rises in periods of peak usage, generating plants must produce more electricity to meet that demand or power must be purchased in energy markets. The added cost of providing energy during high demand periods directly impacts electric rates paid by consumers.

Cooperatives offer an energy management switch program to alleviate demand increases by briefly cycling the flow of power to air conditioning and

water heater units. Activation of switches during peak demand periods helps reduce the need for additional generation or expensive purchases in power markets. Member cooperatives may also incentivize consumers to participate in energy management programs through bill credits or rebates.

2016 ENERGY MANAGEMENT SAVINGS SWITCH PROGRAM



2016 Residential Lighting Program

Cooperative	Total Measures Installed	MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	3771	140	0.014	0.032
Clark County REMC	5637	209	0.021	0.048
Daviess-Martin County REMC	3261	121	0.012	0.028
Decatur County REMC	1569	58	0.006	0.013
Dubois REC, Inc.	21727	806	0.082	0.186
Harrison REMC	7798	289	0.024	0.067
Henry County REMC	517	19	0.002	0.004
Jackson County REMC	4940	183	0.008	0.042
Johnson County REMC	4772	177	0.018	0.041
Orange County REMC	2267	84	0.009	0.019
RushShelby Energy	1579	59	0.006	0.014
South Central Indiana REMC	7210	267	0.027	0.062
Southeastern Indiana REMC	2577	96	0.010	0.022
Southern Indiana Power	3447	128	0.013	0.030
Utilities District of Western Indiana REMC	9754	362	0.037	0.084
Wayne-White Counties Electric Cooperative	6987	259	0.026	0.060
Whitewater Valley REMC	724	27	0.003	0.006
WIN Energy REMC	1764	65	0.007	0.015
Total	90,301	3,349	0.325	0.773

2016 C&I Energy Efficiency Program

Cooperative	Rebate Applications	MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	27	12,896	2.481	2.630
Clark County REMC	10	716	0.098	0.104
Daviess-Martin County REMC	9	566	0.162	0.172
Decatur County REMC	11	632	0.131	0.139
Dubois REC, Inc.	19	665	0.194	0.206
Harrison REMC	11	224	0.043	0.046
Henry County REMC	3	45	0.013	0.014
Jackson County REMC	25	104	0.044	0.047
Johnson County REMC	19	3,335	0.568	0.602
Orange County REMC	2	98	0.024	0.025
RushShelby Energy	10	2,097	0.508	0.538
South Central Indiana REMC	28	760	0.177	0.188
Southeastern Indiana REMC	8	602	0.116	0.123
Southern Indiana Power	13	563	0.071	0.075
Utilities District of Western Indiana REMC	13	7,452	1.150	1.219
Wayne-White Counties Electric Cooperative	3	1,035	0.358	0.379
Whitewater Valley REMC	10	308	0.067	0.071
WIN Energy REMC	21	2,575	0.387	0.410
Total	164	27,259	2.822	3.007

Measures for the C&I Energy Efficiency Program are listed in terms of rebate applications paid.

2016 Energy Management Savings Switch Program

Cooperative	Total Devices Controlled	Annual MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	0	0	0.00	0.00
Clark County REMC	0	0	0.00	0.00
Daviess-Martin County REMC	0	0	0.03	0.01
Decatur County REMC	0	0	0.00	0.00
Dubois REC, Inc.	367	0	0.00	0.06
Harrison REMC	0	0	0.01	0.01
Henry County REMC	0	0	0.00	0.00
Jackson County REMC	128	0	0.28	0.11
Johnson County REMC	0	0	0.00	0.00
Orange County REMC	178	0	0.07	0.05
RushShelby Energy	8	0	0.03	0.01
South Central Indiana REMC	0	0	0.00	0.00
Southeastern Indiana REMC	65	0	0.09	0.07
Southern Indiana Power	65	0	0.07	0.02
Utilities District of Western Indiana REMC	31	0	0.01	0.01
Wayne-White Counties Electric Cooperative	0	0	0.00	0.00
Whitewater Valley REMC	0	0	0.00	0.00
WIN Energy REMC	0	0	0.00	0.00
Total	842	0	0.59	0.35

2016 Other Savings

Cooperative	Total Devices Controlled	Annual MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	500	344	0.03	0.07
Clark County REMC	1000	687	0.06	0.14
Daviess-Martin County REMC	500	344	0.03	0.07
Decatur County REMC	500	344	0.03	0.07
Dubois REC, Inc.	500	344	0.03	0.07
Harrison REMC	1100	756	0.07	0.15
Henry County REMC	500	344	0.03	0.07
Jackson County REMC	500	344	0.03	0.07
Johnson County REMC	1000	687	0.06	0.14
Orange County REMC	500	344	0.03	0.07
RushShelby Energy	500	344	0.03	0.07
South Central Indiana REMC	1000	687	0.06	0.14
Southeastern Indiana REMC	1000	687	0.06	0.14
Southern Indiana Power	500	344	0.03	0.07
Utilities District of Western Indiana REMC	900	618	0.05	0.12
Wayne-White Counties Electric Cooperative	0	0	0.00	0.00
Whitewater Valley REMC	500	344	0.03	0.07
WIN Energy REMC	500	344	0.03	0.07
Total	11,500	7,906	0.69	1.60

Other Savings includes Energy Kits

2016 Residential HVAC Incentives Program

Cooperative	Total Measures Installed 2015	Annual MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	147	265	0.126	0.172
Clark County REMC	344	1029	0.346	0.372
Daviess-Martin County REMC	100	209	0.065	0.174
Decatur County REMC	75	84	0.032	0.132
Dubois REC, Inc.	284	500	0.292	0.448
Harrison REMC	1089	1490	1.061	0.751
Henry County REMC	55	145	0.055	0.164
Jackson County REMC	574	826	0.437	0.426
Johnson County REMC	166	625	0.119	0.217
Orange County REMC	170	225	0.143	0.091
RushShelby Energy	123	148	0.056	0.198
South Central Indiana REMC	450	222	0.120	0.152
Southeastern Indiana REMC	194	432	0.158	0.500
Southern Indiana Power	117	899	0.229	0.561
Utilities District of Western Indiana REMC	202	363	0.114	0.243
Wayne-White Counties Electric Cooperative	87	193	0.071	0.288
Whitewater Valley REMC	57	118	0.035	0.215
WIN Energy REMC	110	189	0.062	0.210
Total	4,344	7,962	3.521	5.314

Note: Data includes attic insulation and duct sealing.

2016 Touchstone Energy® HomeSM Program

Cooperative	Homes Registered	Annual MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	0	0	0.000	0.000
Clark County REMC	3	0	0.000	0.000
Daviess-Martin County REMC	0	0	0.000	0.000
Decatur County REMC	3	29	0.007	0.004
Dubois REC, Inc.	4	43	0.010	0.007
Harrison REMC	13	77	0.018	0.011
Henry County REMC	0	0	0.000	0.000
Jackson County REMC	4	51	0.012	0.007
Johnson County REMC	0	0	0.000	0.000
Orange County REMC	0	0	0.000	0.000
RushShelby Energy	4	0	0.000	0.000
South Central Indiana REMC	2	30	0.007	0.004
Southeastern Indiana REMC	6	0	0.000	0.000
Southern Indiana Power	2	0	0.000	0.000
Utilities District of Western Indiana REMC	2	0	0.000	0.000
Wayne-White Counties Electric Cooperative	0	0	0.000	0.000
Whitewater Valley REMC	0	0	0.000	0.000
WIN Energy REMC	0	0	0.000	0.000
Total	43	230	0.054	0.033

2016 Appliance Recycling Program

Cooperative	Total Measures Installed 2015	Annual MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	12	10	0.001	0.001
Clark County REMC	0	0	0.000	0.000
Daviess-Martin County REMC	0	0	0.000	0.000
Decatur County REMC	13	12	0.001	0.001
Dubois REC, Inc.	176	146	0.014	0.012
Harrison REMC	0	0	0.000	0.000
Henry County REMC	102	89	0.008	0.007
Jackson County REMC	47	89	0.008	0.005
Johnson County REMC	0	0	0.000	0.000
Orange County REMC	5	5	0.000	0.000
RushShelby Energy	80	73	0.006	0.005
South Central Indiana REMC	116	106	0.009	0.008
Southeastern Indiana REMC	0	0	0.000	0.000
Southern Indiana Power	33	37	0.003	0.002
Utilities District of Western Indiana REMC	83	75	0.006	0.006
Wayne-White Counties Electric Cooperative	0	0	0.000	0.000
Whitewater Valley REMC	35	31	0.003	0.002
WIN Energy REMC	0	0	0.000	0.000
Total	702	673	0.059	0.049

2016 LED Security Lighting Program

Cooperative	Total Measures Installed 2015	Annual MWh Savings	Summer Peak MW Savings	Winter Peak MW Savings
Bartholomew County REMC	14	7	0.000	0.001
Clark County REMC	0	0	0.000	0.000
Daviess-Martin County REMC	0	0	0.000	0.000
Decatur County REMC	305	160	0.000	0.029
Dubois REC, Inc.	188	99	0.000	0.018
Harrison REMC	373	196	0.000	0.035
Henry County REMC	503	264	0.000	0.048
Jackson County REMC	581	305	0.000	0.055
Johnson County REMC	466	245	0.000	0.044
Orange County REMC	126	66	0.000	0.012
RushShelby Energy	178	93	0.000	0.017
South Central Indiana REMC	109	57	0.000	0.010
Southeastern Indiana REMC	847	445	0.000	0.080
Southern Indiana Power	530	278	0.000	0.050
Utilities District of Western Indiana REMC	319	167	0.000	0.030
Wayne-White Counties Electric Cooperative	481	253	0.000	0.045
Whitewater Valley REMC	568	298	0.000	0.054
WIN Energy REMC	144	76	0.000	0.014
Total	5,732	3,009	0.000	0.542

Analysis of Measures Installed: 2009-2016

The average lifetime cost of energy conserved to date through DSM measures is less than \$0.02 per kWh, well below the cost to provide power from traditional resources.*

DSM programs are evaluated using a Total Resource Cost (TRC) test that compares avoided energy and capacity savings to the costs of the efficiency measure or program including cost borne by consumers.

Benefits detailed in the TRC test include avoided supply costs such as reductions in capital and O&M costs for

generation, transmission and distribution facilities and operations.

A TRC ratio higher than 1.0 indicates program benefits exceed program costs. For all programs to date, lifetime economic benefits outweighed costs by a ratio of 2.54 to 1.**

This ratio suggests that \$2.54 in long-term benefits were obtained for each \$1 invested in efficiency programs.

* Formula for cost per kWh is (Hoosier Energy Cost + Participant Cost) / (Estimated Lifetime MWh Savings * 1000)
Example: (\$30,281,884 + \$26,661,273) / (3,435,028 * 1000) = \$0.0166

** Formula for TRC is Lifetime Economic Benefit / Hoosier Energy Cost + Participant Cost
Example: \$144,741,192 / (\$30,281,884 + \$26,661,273) = \$2.54 or TRC ratio 2.54 to 1

Estimated Benefit – Cost Analysis for all Measures Installed: 2009–2016^{1,2}

	Total Measures Installed to Date	Cumulative MWh Savings to Date	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings to Date	Cumulative Winter Peak MW Savings to Date
Residential Lighting	1,759,656	47,009	662,793	5.10	12.51
Commercial & Industrial Energy Efficiency	778	103,716	1,555,740	14.27	15.12
Weatherization³	4,061	19,285	479,329	4.81	3.28
Load Control	16,380	-	-	12.33	7.83
Other Savings⁴	31,558	12,042	84,301	2.00	3.76
Residential HVAC	31,601	36,259	471,022	12.16	40.97
Touchstone Energy Home	512	2,424	48,460	0.57	0.19
Appliance Recycling	7,941	5,297	40,958	0.44	0.37
LED Security Lighting	14,476	7,611	92,425	0.00	0.36
Total	1,866,963	233,644	3,435,028	51.68	84.39

	Hoosier Energy Costs	Participant Costs	Lifetime Economic Benefits	Cost/kWh	Total Resource Cost (TRC)
Residential Lighting	\$2,951,703	\$0	\$21,092,259	0.01	7.15
Commercial & Industrial Energy Efficiency	\$3,414,752	\$12,904,442	\$69,281,491	0.01	4.64
Weatherization	\$9,078,275	\$0	\$15,084,780	0.02	1.66
Load Control	\$2,808,624	\$0	\$5,829,794	0.00	2.08
Other Savings	\$2,031,327	\$0	\$2,372,473	0.00	1.05
Residential HVAC	\$7,402,587	\$10,579,252	\$22,810,492	0.04	1.27
Touchstone Energy Home	\$539,977	\$644,279	\$1,466,397	0.03	1.24
Appliance Recycling	\$968,939	\$0	\$1,375,006	0.02	1.42
LED Security Lighting	\$1,085,700	\$2,533,300	\$5,428,500	0.02	1.24
Total	\$30,281,884	\$26,661,273	\$144,741,192	0.02	2.54

¹ Appendix B measures are shown at generation levels. A 9% transmission and distribution loss is factored into estimates.

² Other basic program assumptions are available upon request from Susannah Smith at susie.smith@hepn.com.

³ Hoosier Weatherization Program includes 1,393 homes on member systems weatherized through the ARRA program 2009-2011.

⁴ Other Savings include deferred weatherization benefits and energy efficiency kits.

Residential Lighting Program

Cooperative	Total Measures Installed	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	114,083	3,730	32,934	0.38	0.87	\$1,374,921
Clark County REMC	325,635	9,447	94,251	0.95	2.42	\$4,101,974
Daviess-Martin County REMC	105,101	1,574	30,409	0.16	0.43	\$1,368,906
Decatur County REMC	37,765	903	10,924	0.09	0.23	\$474,225
Dubois REC, Inc.	118,696	3,457	34,256	0.35	0.80	\$1,410,773
Harrison REMC	119,698	0	34,608	0.37	0.91	\$1,422,235
Henry County REMC	63,513	1,680	18,355	0.17	0.41	\$808,119
Jackson County REMC	106,754	3,239	30,736	0.32	0.86	\$1,303,299
Johnson County REMC	90,000	2,801	25,982	0.28	0.66	\$1,072,358
Orange County REMC	67,863	2,204	19,643	0.22	0.56	\$800,111
RushShelby Energy	59,088	1,433	171,101	0.14	0.38	\$755,378
South Central Indiana REMC	58,210	1,533	16,816	0.16	0.37	\$674,978
Southeastern Indiana REMC	104,000	2,937	30,114	0.29	0.76	\$1,258,318
Southern Indiana Power	111,137	3,081	32,071	0.32	0.71	\$1,398,314
Utilities District of Western Indiana REMC	110,742	3,835	32,271	0.39	0.93	\$1,284,236
Wayne-White Counties Electric Cooperative	63,791	2,173	18,407	0.22	0.50	\$326,801
Whitewater Valley	75,183	2,003	21,721	0.20	0.48	\$947,228
WIN Energy	28,397	979	8,194	0.10	0.23	\$310,085
Total	1,759,656	47,009	662,793	5.10	12.51	\$21,092,259

C&I Energy Efficiency Program

Cooperative	Rebate Applications	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	54	15,738	236,070	2.852	2.976	\$10,375,098
Clark County REMC	46	3,890	58,350	0.591	0.665	\$2,366,530
Daviess-Martin County REMC	24	1,304	19,560	0.261	0.260	\$1,302,099
Decatur County REMC	31	3,773	56,595	0.531	0.545	\$2,719,252
Dubois REC, Inc.	57	3,933	58,995	0.494	0.581	\$2,324,699
Harrison REMC	40	5,260	78,900	0.650	0.686	\$3,445,326
Henry County REMC	22	928	13,920	0.182	0.205	\$801,577
Jackson County REMC	99	2,121	31,815	0.359	0.353	\$1,688,366
Johnson County REMC	71	7,656	114,840	1.208	1.310	\$6,076,196
Orange County REMC	12	1,064	15,960	0.160	0.146	\$733,130
RushShelby Energy	31	8,160	122,400	0.876	0.918	\$2,878,979
South Central Indiana REMC	69	3,238	48,570	0.403	0.442	\$2,210,877
Southeastern Indiana REMC	31	3,439	51,585	0.519	0.538	\$3,836,039
Southern Indiana Power	47	7,913	118,695	0.872	0.914	\$5,283,696
Utilities District of Western Indiana REMC	48	21,953	329,295	2.593	2.813	\$15,285,531
Wayne-White Counties Electric Cooperative	19	1,516	22,740	0.410	0.432	\$316,718
Whitewater Valley	24	1,975	29,625	0.256	0.262	\$1,191,460
WIN Energy	53	9,855	147,825	1.054	1.077	\$6,445,918
Total	778	103,716	1,555,740	14.271	15.123	\$69,281,491

Measures for the C&I Energy Efficiency Program are listed in terms of rebate applications paid.

Energy Management Savings Switch Program

Cooperative	Total Devices Controlled	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	195	0	0	0.145	0.095	\$69,760
Clark County REMC	0	0	0	0.000	0.000	\$0
Daviess-Martin County REMC	1,191	0	0	0.993	0.442	\$468,404
Decatur County REMC	200	0	0	0.089	0.178	\$42,332
Dubois REC, Inc.	540	0	0	0.455	0.194	\$217,344
Harrison REMC	1,885	0	0	1.496	0.798	\$707,899
Henry County REMC	958	0	0	0.783	0.375	\$371,423
Jackson County REMC	1,090	0	0	0.912	0.399	\$423,844
Johnson County REMC	0	0	0	0.000	0.000	\$0
Orange County REMC	1,822	0	0	1.248	1.035	\$588,916
RushShelby Energy	1,175	0	0	0.956	0.467	\$454,931
South Central Indiana REMC	2,018	0	0	1.170	1.429	\$549,233
Southeastern Indiana REMC	2,151	0	0	1.651	0.986	\$785,476
Southern Indiana Power	1,837	0	0	1.478	0.750	\$695,895
Utilities District of Western Indiana REMC	1,309	0	0	0.948	0.676	\$452,101
Wayne-White Counties Electric Cooperative	0	0	0	0.000	0.000	\$0
Whitewater Valley REMC	8	0	0	0.004	0.006	\$2,041
WIN Energy REMC	1	0	0	0.000	0.001	\$195
Total	16,380	0	0	12.328	7.831	\$5,829,794

Other Savings

Cooperative	Total Measures Installed	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	1,421	679	4,755	0.08	0.17	\$117,582
Clark County REMC	1,986	612	4,286	0.07	0.17	\$58,797
Daviess-Martin County REMC	937	337	2,361	0.04	0.09	\$37,081
Decatur County REMC	939	339	2,371	0.04	0.09	\$37,624
Dubois REC, Inc.	947	344	2,410	0.04	0.09	\$39,106
Harrison REMC	3,511	1,420	9,941	0.24	0.44	\$303,849
Henry County REMC	1,511	743	5,200	0.08	0.19	\$133,296
Jackson County REMC	1,300	554	3,875	0.06	0.14	\$92,166
Johnson County REMC	2,800	1,212	8,486	0.14	0.31	\$197,288
Orange County REMC	1,431	692	4,844	0.08	0.17	\$120,967
RushShelby Energy	1,268	501	3,504	0.06	0.13	\$78,698
South Central Indiana REMC	4,563	1,106	7,744	0.67	0.86	\$615,532
Southeastern Indiana REMC	3,242	1,429	10,005	0.16	0.36	\$252,336
Southern Indiana Power	1,010	318	2,227	0.04	0.09	\$32,328
Utilities District of Western Indiana REMC	1,955	613	4,291	0.07	0.17	\$68,758
Wayne-White Counties Electric Cooperative	37	26	183	0.00	0.01	\$6,642
Whitewater Valley REMC	1,600	735	5,146	0.08	0.18	\$131,121
WIN Energy REMC	1,100	382	2,672	0.05	0.10	\$49,302
Total	31,558	12,042	84,301	2.00	3.76	\$2,372,473

Other Savings includes energy efficiency kits and Deferred Weatherization program benefits. Savings for installed measures will continue to contribute to program savings for the duration of deemed useful life.

Residential HVAC Incentives Program

Cooperative	Total Measures Installed	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	1,493	1,529	21,364	0.55	1.22	\$1,046,510
Clark County REMC	3,907	4,366	49,636	1.97	3.07	\$2,455,237
Daviess-Martin County REMC	916	1,145	15,808	0.33	1.51	\$772,610
Decatur County REMC	496	854	13,319	0.20	1.72	\$682,150
Dubois REC, Inc.	1,941	2,219	30,070	0.69	3.35	\$1,604,505
Harrison REMC	3,421	4,137	41,166	2.17	3.07	\$1,849,411
Henry County REMC	557	859	12,172	0.24	1.35	\$624,459
Jackson County REMC	2,215	2,622	29,867	1.01	2.44	\$1,339,723
Johnson County REMC	1,540	2,039	24,867	0.57	1.55	\$1,184,331
Orange County REMC	896	701	7,658	0.26	0.48	\$326,467
RushShelby Energy	800	1,058	15,871	0.27	1.64	\$816,763
South Central Indiana REMC	4,014	3,162	49,119	0.87	3.94	\$2,450,635
Southeastern Indiana REMC	2,707	2,884	42,216	0.68	4.45	\$2,129,669
Southern Indiana Power	1,221	2,417	25,237	0.69	2.12	\$1,045,079
Utilities District of Western Indiana REMC	1,880	2,427	35,867	0.66	2.81	\$1,681,094
Wayne-White Counties Electric Cooperative	958	1,133	15,429	0.34	2.07	\$733,254
Whitewater Valley REMC	808	1,090	16,915	0.24	2.09	\$849,619
WIN Energy REMC	1,831	1,617	24,441	0.42	2.09	\$1,218,977
Total	31,601	36,259	471,022	12.16	40.97	\$22,810,493

Data includes attic insulation and duct sealing.

Touchstone Energy® HomeSM Program

Cooperative	Homes Registered	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	6	28	568	0.01	0.00	\$20,627
Clark County REMC	48	227	4,543	0.05	0.03	\$152,365
Daviess-Martin County REMC	5	24	473	0.01	0.00	\$16,877
Decatur County REMC	21	99	1,988	0.02	0.01	\$62,531
Dubois REC, Inc.	91	431	8,613	0.10	0.06	\$292,932
Harrison REMC	136	644	12,872	0.15	0.09	\$414,948
Henry County REMC	4	19	379	0.00	0.00	\$14,281
Jackson County REMC	63	298	5,963	0.07	0.04	\$202,334
Johnson County REMC	1	5	95	0.00	0.00	\$2,887
Orange County REMC	2	10	189	0.00	0.00	\$6,368
RushShelby Energy	41	194	3,880	0.05	0.03	\$138,205
South Central Indiana REMC	28	133	2,650	0.03	0.02	\$87,038
Southeastern Indiana REMC	15	70	1,420	0.02	0.01	\$47,619
Southern Indiana Power	33	156	3,123	0.04	0.02	\$108,633
Utilities District of Western Indiana REMC	16	76	1,514	0.02	0.01	\$51,793
Wayne-White Counties Electric Cooperative	0	0	0	0.00	0.00	\$0
Whitewater Valley REMC	1	5	95	0.00	0.00	\$3,435
WIN Energy REMC	1	5	95	0.00	0.00	\$3,279
Total	512	2,424	48,460	0.57	0.32	\$1,626,152

Appliance Recycling Program

Cooperative	Total Units Collected	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	256	190	1,315	0.016	0.014	\$43,153
Clark County REMC	794	468	4,102	0.039	0.033	\$143,191
Daviess-Martin County REMC	211	139	1,091	0.012	0.010	\$37,072
Decatur County REMC	208	144	1,070	0.012	0.010	\$35,575
Dubois REC, Inc.	893	637	4,626	0.053	0.045	\$150,827
Harrison REMC	614	436	3,160	0.036	0.031	\$102,840
Henry County REMC	344	299	1,747	0.025	0.021	\$54,251
Jackson County REMC	621	431	3,172	0.036	0.031	\$104,143
Johnson County REMC	174	180	899	0.015	0.013	\$26,018
Orange County REMC	7	29	143	0.002	0.002	\$4,296
RushShelby Energy	489	335	2,502	0.028	0.024	\$82,530
South Central Indiana REMC	755	497	3,892	0.041	0.035	\$131,213
Southeastern Indiana REMC	1,044	445	5,388	0.037	0.032	\$198,930
Southern Indiana Power	399	209	2,039	0.017	0.012	\$72,844
Utilities District of Western Indiana REMC	419	309	2,144	0.026	0.022	\$69,416
Wayne-White Counties Electric Cooperative	247	170	1,271	0.014	0.012	\$41,641
Whitewater Valley REMC	306	215	1,578	0.018	0.015	\$51,803
WIN Energy REMC	160	164	819	0.014	0.012	\$25,263
Total	7,941	5,297	40,958	0.441	0.374	\$1,375,006

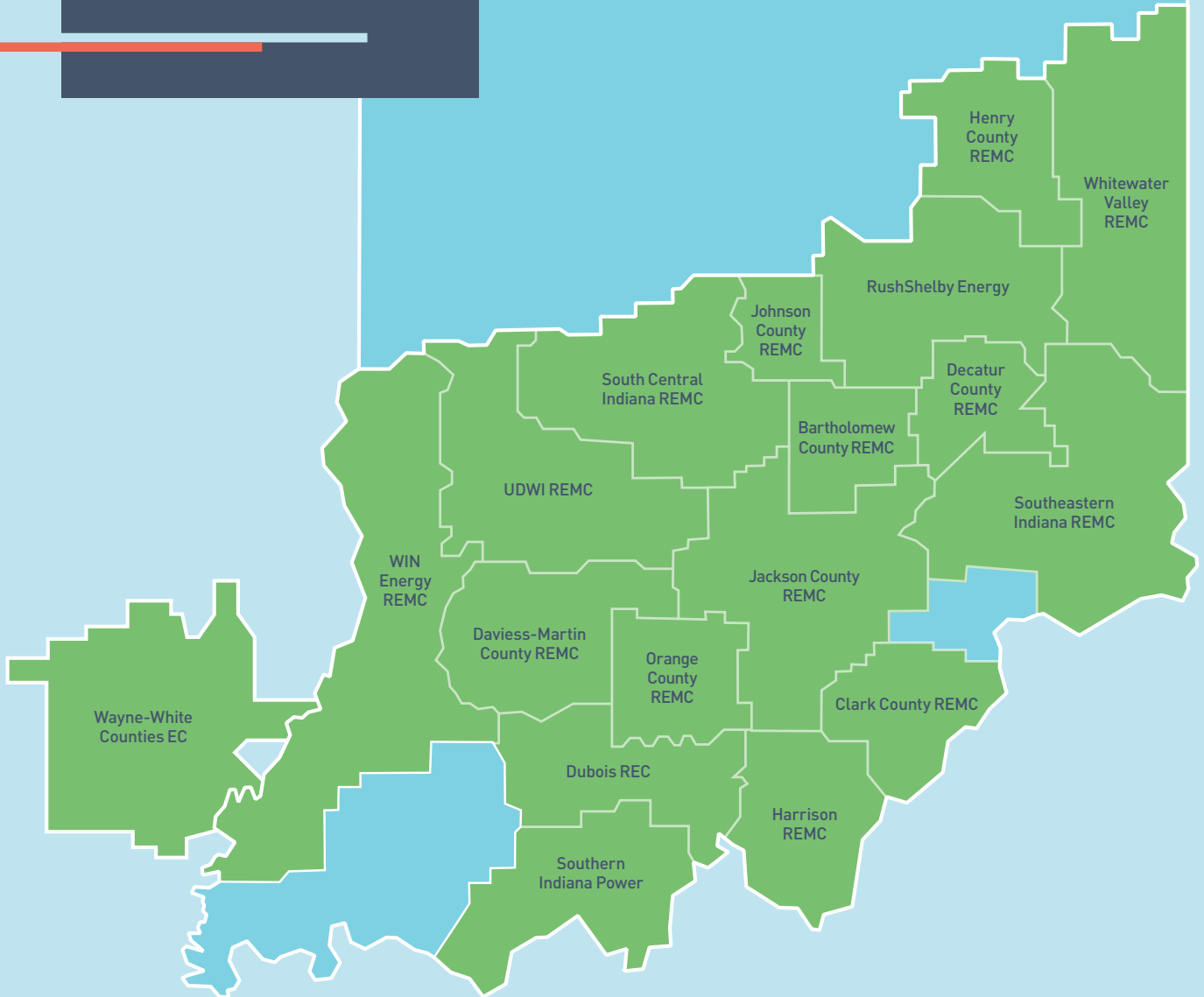
Data reflects units collected between 3/1/2010 – 12/31/2016.

LED Security Lighting Program

Cooperative	Total Measures Installed	Cumulative MWh Savings	Estimated Lifetime MWh Savings	Cumulative Summer Peak MW Savings	Cumulative Winter Peak MW Savings	Lifetime Economic Benefits
Bartholomew County REMC	242	127	2,410	0.000	0.009	\$90,750
Clark County REMC	0	0	0	0.000	0.000	\$0
Daviess-Martin County REMC	0	0	0	0.000	0.000	\$0
Decatur County REMC	436	229	1,385	0.000	0.005	\$163,500
Dubois REC, Inc.	435	229	2,611	0.000	0.010	\$163,125
Harrison REMC	1,513	796	12,050	0.000	0.047	\$567,375
Henry County REMC	1,041	547	5,687	0.000	0.022	\$390,375
Jackson County REMC	1,439	756	9,069	0.000	0.035	\$539,625
Johnson County REMC	1,237	651	8,149	0.000	0.032	\$463,875
Orange County REMC	373	196	2,611	0.000	0.010	\$139,875
RushShelby Energy	402	211	2,368	0.000	0.009	\$150,750
South Central Indiana REMC	734	386	6,606	0.000	0.008	\$275,250
Southeastern Indiana REMC	2,037	1,071	12,578	0.000	0.049	\$763,875
Southern Indiana Power	733	385	2,146	0.000	0.026	\$274,875
Utilities District of Western Indiana REMC	786	413	4,936	0.000	0.019	\$294,750
Wayne-White Counties Electric Cooperative	1,044	549	5,951	0.000	0.015	\$391,500
Whitewater Valley	936	492	3,890	0.000	0.023	\$351,000
WIN Energy	1,088	573	9,978	0.000	0.039	\$408,000
Total	14,476	7,611	92,425	0.000	0.358	\$5,428,500

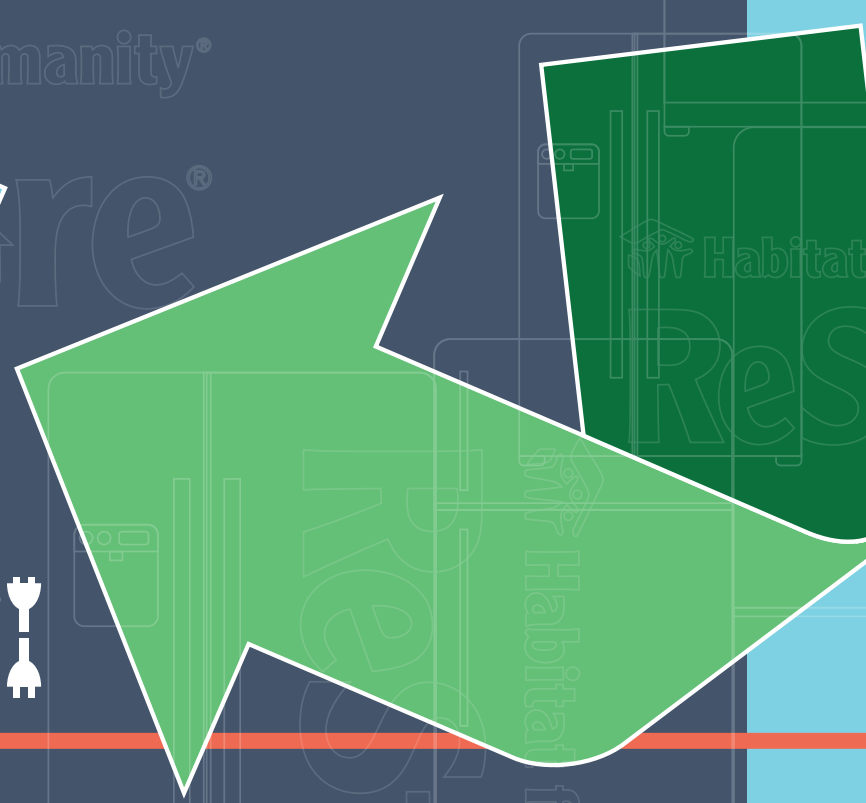
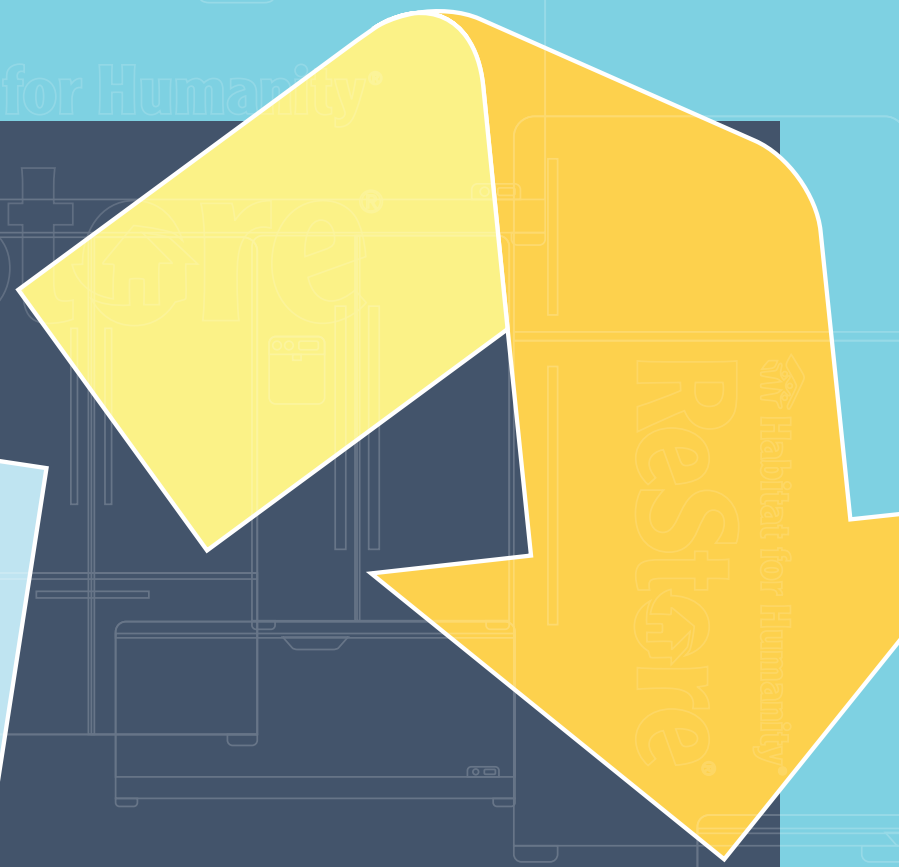
THE HOOSIER ENERGY POWER NETWORK

Hoosier Energy is a generation and transmission cooperative providing electric power to 18 member distribution cooperatives in central and southern Indiana and southeast Illinois. Based in Bloomington, Hoosier Energy operates coal, natural gas and renewable energy power plants and delivers power through a 1,700-mile transmission network.



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Appendix G

Demand Side Management Modeling Assumptions and Results

FINAL DSM LIST

DSM Portfolio #	End Use	Measure Name
1 Residential Lighting Program		
	Lighting	LED Lighting (Standard)
	Lighting	LED Lighting (Specialty)
Portfolio Total		
2 LED Security Lighting		
	Lighting	LED Security Lights
Portfolio Total		
3 Appliance Recycling		
	Appliances	Refrigerator Recycling
	Appliances	Freezer Recycling
Portfolio Total		
4 Residential HVAC Program (Single Family)		
	HVAC (Equipment)	Heat Pump (15 SEER)
	HVAC (Equipment)	Heat Pump (16 SEER)
	HVAC (Equipment)	Heat Pump (17 SEER)
	HVAC (Equipment)	Heat Pump (18 SEER)
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement
	HVAC (Equipment)	Heat Pump (16 SEER) E. Furnace Replacement
	HVAC (Equipment)	Heat Pump (17 SEER) E. Furnace Replacement
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement
	HVAC (Equipment)	Geothermal Heat Pumps
	HVAC (Equipment)	Mini Split Heat Pump (16 SEER)
	HVAC (Equipment)	Mini Split Heat Pump (17 SEER)
	HVAC (Equipment)	Mini Split Heat Pump (18 SEER)
	HVAC (Equipment)	Mini Split Heat Pump (19 SEER)
	HVAC (Equipment)	Mini Split Heat Pump (20 SEER)
Portfolio Total		
Residential HVAC Program (Mobile Home)		
	HVAC (Equipment)	Heat Pump (16 SEER)
	HVAC (Equipment)	Heat Pump (16 SEER)
	HVAC (Equipment)	Heat Pump (17 SEER)
	HVAC (Equipment)	Heat Pump (18 SEER)
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement
	HVAC (Equipment)	Heat Pump (16 SEER) E. Furnace Replacement
	HVAC (Equipment)	Heat Pump (17 SEER) E. Furnace Replacement
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement
Portfolio Total		
5 Other Savings		
	Cross-Cutting	Energy Kits A
	Cross-Cutting	Energy Kits B
Portfolio Total		
7 C&I Energy Efficiency Program		
	Lighting	Traditional C&I Projects Average Savings
	Lighting	Direct Install Project Average Savings
	Lighting	Agricultural Lighting
	Lighting	Occupancy Sensors
	Motors	NEMA Premium Eff. Motor > 10 HP
	Motors	NEMA Premium Eff. Motor < 10 HP
	Motors	VSD on Motors
	HVAC	Programmable Thermostat
	HVAC	Heat Pump (11.3 EER, COP 3.4)
	HVAC	Air Conditioner (12 EER)
Portfolio Total		
8 Load Control		
	Water Heating	<80 gallon water heater control
	Water Heating	>80 gallon water heater control
	HVAC	AC Control
	HVAC	ASHP Control
	HVAC	Geothermal HP Control
	Water Heating	Heat Pump Water Heaters
Portfolio Total		

Effective Life	LCOE (\$2024/MWh)	Increased Penetration Total MWh	Increased Penetration Total Participants	Increased Penetration Benefit (\$2024 NPV)
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NOTE: Positive Increased Penetration Benefits indicate cost savings

13	36	23,214	58,472	90,749
13	25	695	1,281	5,125
		23,908	59,753	95,874
18	42	42,613	4,504	107,892
		42,613	4,504	107,892
8	27	3,331	255	24,836
8	29	1,165	96	7,821
		4,496	351	32,657
18	85	1,750	182	-18,596
18	98	5,054	255	-68,957
18	112	3,843	167	-68,458
18	154	2,048	88	-61,945
18	2	38,793	91	562,244
18	4	52,054	121	697,553
18	6	25,743	61	331,767
18	8	21,329	50	261,588
18	146	40,589	503	-1,127,727
18	382	193	13	-18,334
18	238	133	5	-7,181
18	176	168	5	-6,075
18	155	462	11	-13,835
18	141	896	18	-23,182
		193,057	1,569	438,864
18	86	-	-	-
18	97	-	-	-
18	97	-	-	-
18	152	-	-	-
18	2	-	-	-
18	6	-	-	-
18	7	-	-	-
18	10	-	-	-
		-	-	-
14	27	9,872	5,078	66,917
8	58	-	-	-
		9,872	5,078	66,917
14.8	16	308,204	145	3,348,081
14.8	16	9,992	17	172,051
2.2	6	-	-	-
8	24	-	-	-
15	176	-	-	-
15	49	-	-	-
15	36	-	-	-
9	140	-	-	-
15	1750	-	-	-
15	509	-	-	-
		318,196	162	3,520,133

Effective Life	LCOE (\$2024/kW-yr)	Increased Penetration Total Demand Savings (kW)	Increased Penetration Total Participants	Increased Penetration Benefit (\$2024 NPV)
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13	47	-	-	-
13	47	-	-	-
13	34	-	-	-
13	38	-	-	-
13	36	-	-	-
13	213	2,865	256	-176,611
		2,865	256	-176,611

Annual Energy Savings by Measure and Portfolio

DSM Portfolio #	End Use	Measure Name		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
1 Residential Lighting Program																	
	Lighting	LED Lighting (Standard)	MWh	51	109	172	236	313	394	480	571	674	703	762	830	974	1,118
	Lighting	LED Lighting (Specialty)	MWh	2	5	7	10	12	18	20	23	25	26	27	29	32	35
	Total Portfolio MWh Savings			54	114	180	246	326	411	500	594	700	729	789	859	1,006	1,152
2 LED Security Lighting																	
	Lighting	LED Security Lights	MWh	101	214	337	460	607	896	1,039	1,181	1,331	1,370	1,447	1,531	1,698	1,865
	Total Portfolio MWh Savings			101	214	337	460	607	896	1,039	1,181	1,331	1,370	1,447	1,531	1,698	1,865
3 Appliance Recycling																	
	Appliances	Refrigerator Recycling	MWh	14	28	43	56	72	102	117	131	147	151	159	168	185	203
	Appliances	Freezer Recycling	MWh	5	10	15	19	25	35	41	46	51	53	56	59	65	71
	Total Portfolio MWh Savings			19	38	57	76	96	137	157	177	199	204	215	227	250	274
4 Residential HVAC Program (Single Family)																	
	HVAC (Equipment)	Heat Pump (15 SEER)	MWh	8	16	24	30	35	45	50	55	61	62	65	68	74	80
	HVAC (Equipment)	Heat Pump (16 SEER)	MWh	13	28	44	59	76	110	127	143	160	165	174	184	203	222
	HVAC (Equipment)	Heat Pump (17 SEER)	MWh	9	19	30	41	54	81	93	106	120	123	130	138	153	168
	HVAC (Equipment)	Heat Pump (18 SEER)	MWh	6	12	19	26	33	46	53	59	66	68	71	75	83	91
	HVAC (Equipment)	Heat Pump (15 SEER) E. Furnace Replacement	MWh	140	285	436	567	689	930	1,049	1,167	1,292	1,325	1,389	1,458	1,598	1,737
	HVAC (Equipment)	Heat Pump (16 SEER) E. Furnace Replacement	MWh	131	275	433	587	764	1,114	1,286	1,458	1,640	1,687	1,780	1,881	2,083	2,285
	HVAC (Equipment)	Heat Pump (17 SEER) E. Furnace Replacement	MWh	62	130	204	279	367	542	628	714	805	828	875	925	1,026	1,127
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement	MWh	50	107	171	233	306	451	522	593	668	687	726	767	851	934
	HVAC (Equipment)	Geothermal Heat Pumps	MWh	117	243	379	504	639	904	1,036	1,166	1,304	1,339	1,410	1,487	1,640	1,794
	HVAC (Equipment)	Mini Split Heat Pump (16 SEER)	MWh	0	1	1	2	3	4	5	5	6	6	6	7	8	8
	HVAC (Equipment)	Mini Split Heat Pump (17 SEER)	MWh	0	1	1	1	2	3	3	4	4	4	4	5	5	6
	HVAC (Equipment)	Mini Split Heat Pump (18 SEER)	MWh	0	1	1	2	2	3	4	5	5	5	6	6	7	7
	HVAC (Equipment)	Mini Split Heat Pump (19 SEER)	MWh	1	2	3	5	6	10	11	13	14	15	16	16	18	20
	HVAC (Equipment)	Mini Split Heat Pump (20 SEER)	MWh	2	4	7	9	12	18	21	24	28	29	30	32	35	39
	Total Portfolio MWh Savings			539	1,124	1,754	2,345	2,988	4,261	4,888	5,511	6,172	6,343	6,682	7,049	7,784	8,519
Residential HVAC Program (Mobile Home)																	
	HVAC (Equipment)	MH Heat Pump (15 SEER)	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	MH Heat Pump (16 SEER)	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	MH Heat Pump (16 SEER)	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	MH Heat Pump (18 SEER)	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	Heat Pump (15 SEER) E. Furnace Replacement	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	Heat Pump (16 SEER) E. Furnace Replacement	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	Heat Pump (17 SEER) E. Furnace Replacement	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Portfolio MWh Savings			0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Other Savings																	
	Cross-Cutting	Energy Kits A	MWh	34	68	103	136	172	242	277	312	349	358	377	397	438	479
	Total Portfolio MWh Savings			34	68	103	136	172	242	277	312	349	358	377	397	438	479
6 C&I Energy Efficiency Program																	
	Lighting	Traditional C&I Projects Average Savings	MWh	891	1,855	2,883	3,875	5,012	7,263	8,372	9,473	10,642	10,944	11,543	12,192	13,492	14,792
	Lighting	Direct Install Project Average Savings	MWh	24	48	73	96	122	172	197	222	248	255	269	283	312	342
	Lighting	Agricultural Lighting	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lighting	Occupancy Sensors	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Motors	NEMA Premium Eff. Motor > 10 HP	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Motors	NEMA Premium Eff. Motor < 10 HP	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Motors	VSD on Motors	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Programmable Thermostat	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Heat Pump (11.3 EER, COP 3.4)	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Air Conditioner (12 EER)	MWh	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total Portfolio MWh Savings			915	1,903	2,955	3,971	5,134	7,435	8,569	9,695	10,890	11,199	11,812	12,475	13,804	15,134
7 Load Control																	
	Water Heating	<80 gallon water heater control	kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Water Heating	>80 gallon water heater control	kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	AC Control	kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	ASHP Control	kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Geothermal HP Control	kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Water Heating	Heat Pump Water Heaters	kW	9	19	29	38	49	69	79	89	99	102	107	113	125	137
	Total Portfolio MW Savings			9	19	29	38	49	69	79	89	99	102	107	113	125	137

FINAL DSM LIST

DSM Portfolio #	End Use	Measure Name	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037		
			Total New Participants		6	6	6	6	5	10	5	5	5	1	3	3	6	6
	HVAC (Equipment)	Heat Pump (16 SEER) E. Furnace Replacement	Current Participants		1,566	1,690	1,819	1,896	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969	1,969
			Total New Participants		5	6	7	6	7	15	7	7	8	2	4	4	8	8
	HVAC (Equipment)	Heat Pump (17 SEER) E. Furnace Replacement	Current Participants		749	810	873	936	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001	1,001
			Total New Participants		3	3	3	3	4	7	4	4	4	1	2	2	4	4
	HVAC (Equipment)	Heat Pump (18 SEER) E. Furnace Replacement	Current Participants		604	668	740	776	817	817	817	817	817	817	817	817	817	817
			Total New Participants		2	2	3	3	3	6	3	3	3	1	2	2	4	4
			Total Portfolio New Participants		16	17	19	18	19	38	19	19	20	5	10	11	22	22
5	Other Savings																	
	Cross-Cutting	Energy Kits A	Current Participants		82,100	81,700	81,300	80,900	80,500	80,500	80,500	80,500	80,500	80,500	80,500	80,500	80,500	80,500
			Total New Participants		286	291	295	273	302	597	294	292	310	80	159	172	345	345
	Cross-Cutting	Energy Kits B	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total Portfolio New Participants		286	291	295	273	302	597	294	292	310	80	159	172	345	345
7	C&I Energy Efficiency Program																	
	Lighting	Traditional C&I Projects Average Savings	Current Participants		1,982	2,099	2,200	2,282	2,355	2,355	2,355	2,355	2,355	2,355	2,355	2,355	2,355	2,355
			Total New Participants		7	7	8	8	9	17	9	9	9	2	5	5	10	10
	Lighting	Direct Install Project Average Savings	Current Participants		53	53	53	53	53	53	53	53	53	53	53	53	53	53
			Total New Participants		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Lighting	Agricultural Lighting	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lighting	Occupancy Sensors	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Motors	NEMA Premium Eff. Motor > 10 HP	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Motors	NEMA Premium Eff. Motor < 10 HP	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Motors	VSD on Motors	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Programmable Thermostat	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Heat Pump (11.3 EER, COP 3.4)	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Air Conditioner (12 EER)	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total Portfolio New Participants		8	8	9	9	10	18	10	10	10	3	6	6	11	11
8	Load Control																	
	Water Heating	<80 gallon water heater control	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Water Heating	>80 gallon water heater control	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	AC Control	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	ASHP Control	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	HVAC	Geothermal HP Control	Current Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Total New Participants		-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Water Heating	Heat Pump Water Heaters	Current Participants		3,989	4,084	4,061	4,067	4,068	4,068	4,068	4,068	4,068	4,068	4,068	4,068	4,068	4,068
			Total New Participants		14	15	15	14	15	30	15	15	16	4	8	9	17	17
			Total Portfolio New Participants		14	15	15	14	15	30	15	15	16	4	8	9	17	17

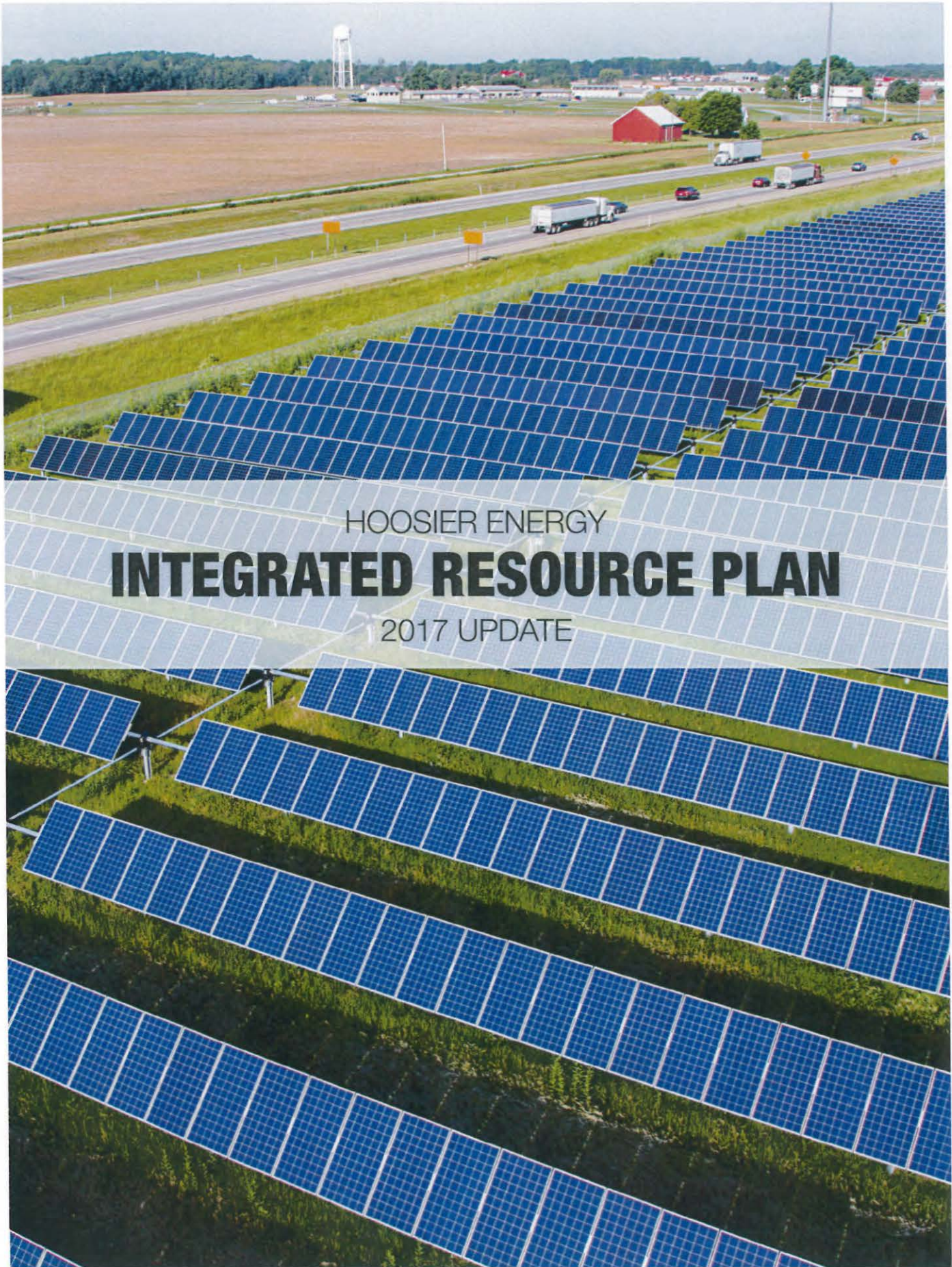
Appendix H

Integrated Resource Plan – Calculation Documentation

Redacted

Appendix I

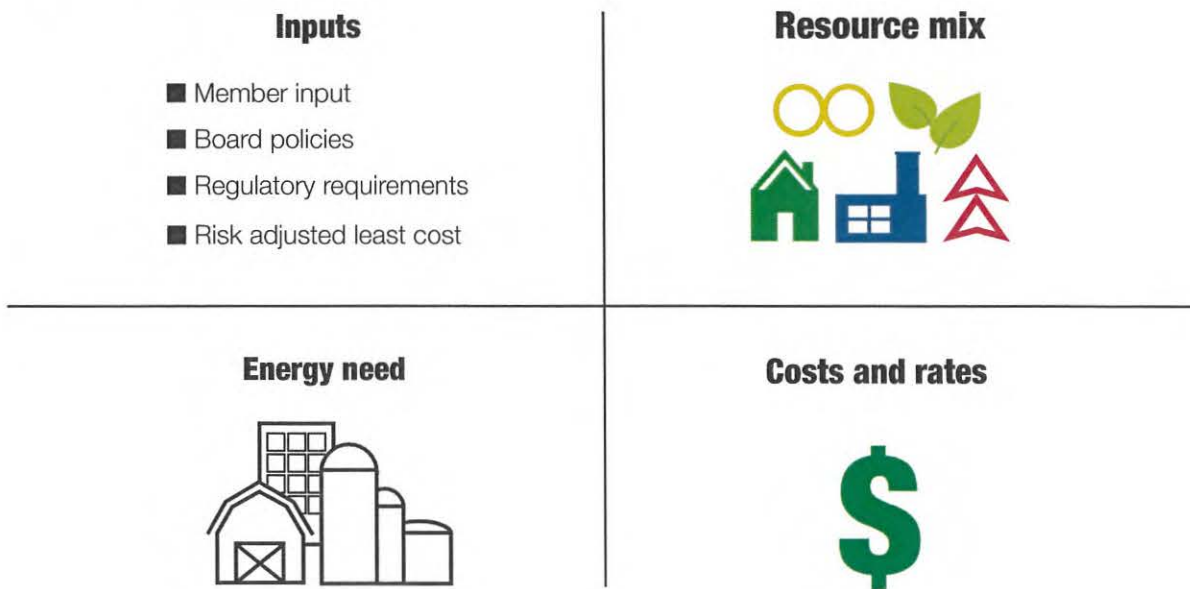
Integrated Resource Plan Summary



HOOSIER ENERGY
INTEGRATED RESOURCE PLAN
2017 UPDATE

WHAT IS RESOURCE PLANNING?

Key features



Planning Process



The resource planning process projects future consumer needs and comprehensively evaluates options for meeting those needs.

Resource plan inputs include:

- Future consumer needs
- Resource strategies, regulatory policies and member input
- Financial aspects of plan implementation including financing costs and rate structures

Risk analysis

Inputs for the resource planning process are not absolute. Many variables are analyzed to understand the implications and interaction of inputs and impacts on costs and rates.

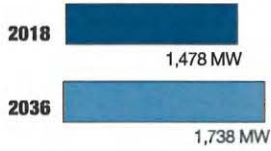
Uncertain future

Resource plans will change over time. Course adjustments will reflect input from members and regulators, changes in growth patterns and financial considerations.

THE HOOSIER ENERGY POWER NETWORK

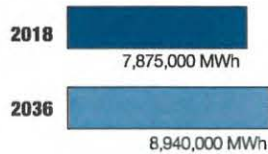
Peak demand

Member peak demand is projected to increase 18 percent by 2036.



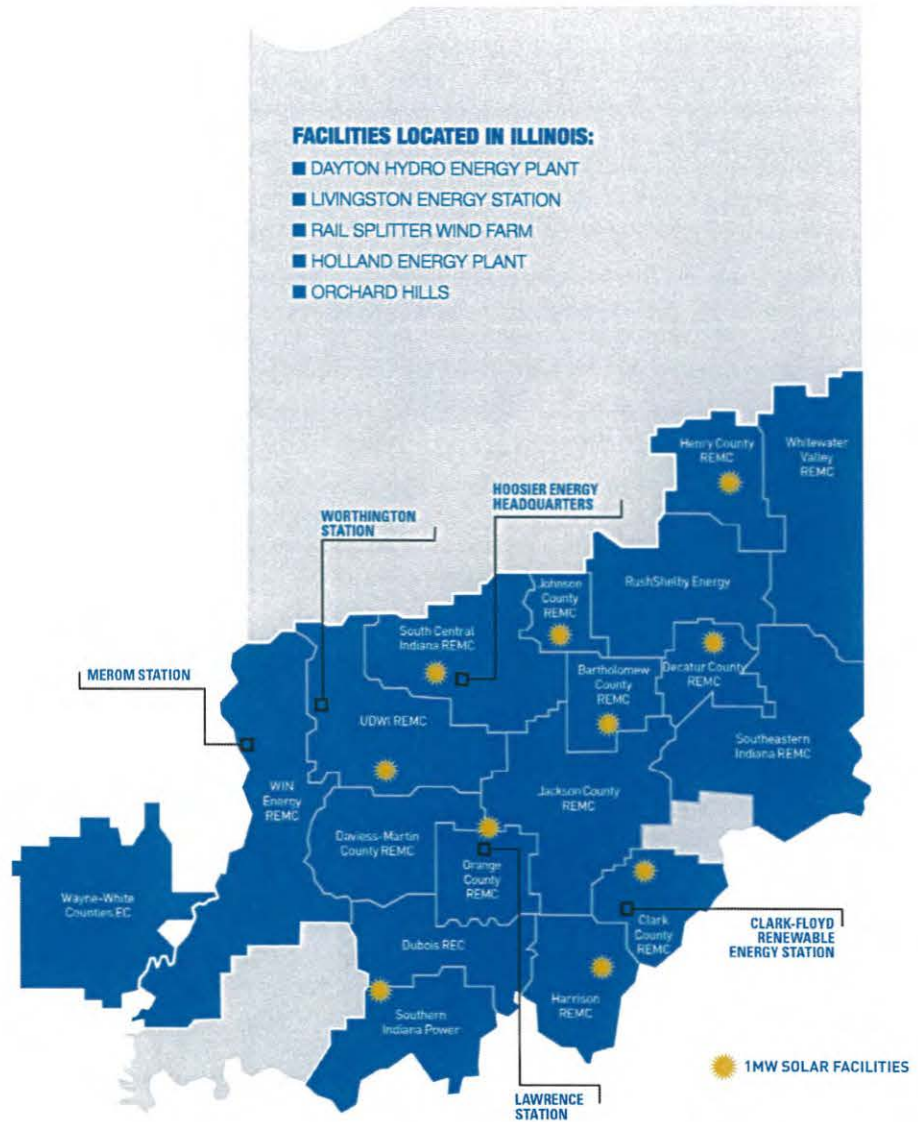
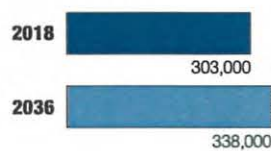
Energy requirements

Member energy needs are projected to increase 14 percent by 2036.



Number of consumers

The number of consumers is expected to increase 11 percent by 2036.



ELECTRIC CONSUMER FACTS

95%

Consumers who have air conditioning.

44%

Consumers who use programmable thermostats.

56%

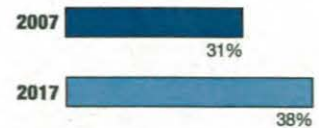
Consumers who use LED lightbulbs.

1,238 kWh

Since 2005, average household monthly electricity use remained relatively constant.

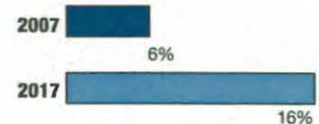
Growing market share for electric heat

The percentage of consumers using electric heat increased by 23 percent over the past ten years.



Efficient heat pumps drive electric cooling

Heat pump air conditioning has almost tripled during the past ten years.



MEETING MEMBER NEEDS



Merom Station



Solar



Holland Energy



Lawrence Station



Worthington Station

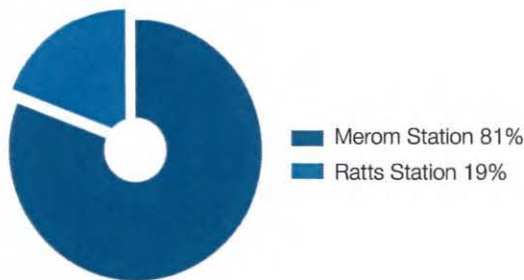


Renewable facilities

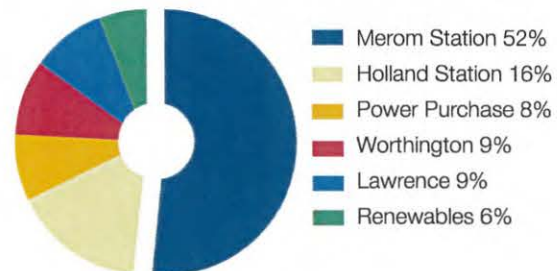
Resource portfolio changes: 2000 to 2018

The Hoosier Energy portfolio has grown and diversified to meet member needs and manage risk.

2000 capacity – 1,250 MW



2018 capacity – 1,906 MW



Hoosier Energy's resource portfolio continues to evolve to meet member needs in a changing market.

Increased capacity

- The portfolio increased approximately 52 percent between 2000 and 2018.

Diversity

- Focus on adding renewable resources

- Purchased power – shift operating risk.
- Fuels – All Hoosier Energy-owned assets added since 2000 use natural gas or renewable resources.

Market changes

- The MISO electricity market, which began functioning in 2005, provides price transparency, reserve sharing, and mitigation of concentration risks.

RESOURCE MIX 2018



Baseload

Baseload resources refer to units with higher capacity factors that are available to operate throughout the year. Other resources could provide baseload energy but far less economically.

The coal-fired Merom Station has a production capacity of nearly 1,000 megawatts and complies with all emission requirements. Other resources include the 150 MW Purchased Power Agreements.



Peaking

Peaking resources provide energy on very short notice to meet customer energy needs during very few hours of the year. Natural gas combustion turbines are ideal for this application and demand response can help meet this need.

Lawrence and Worthington generating stations efficiently provide electricity from natural gas turbines to meet short term needs. Fast start capability adds power supply flexibility and the units help meet MISO reserve requirements.



Intermediate

Intermediate resources provide energy for extended periods of the day. These resources are used to meet increasing demand in weekday hours. A combined cycle natural gas power plant is this type of resource.

Holland Energy, the Hoosier Energy/Wabash Valley 613-megawatt natural gas combined cycle plant, is an important component of the portfolio that typically provides needed energy during peak months.



Energy Efficiency

Consumers can help manage system demand through energy efficiency. When consumers use new strategies, products and technologies to reduce consumption, the effect is equivalent to adding generation.

For 2016, annual savings from demand-side management programs totaled 57,800 megawatt-hours. Summer demand was reduced by 12 megawatts and winter demand by 16 MW.



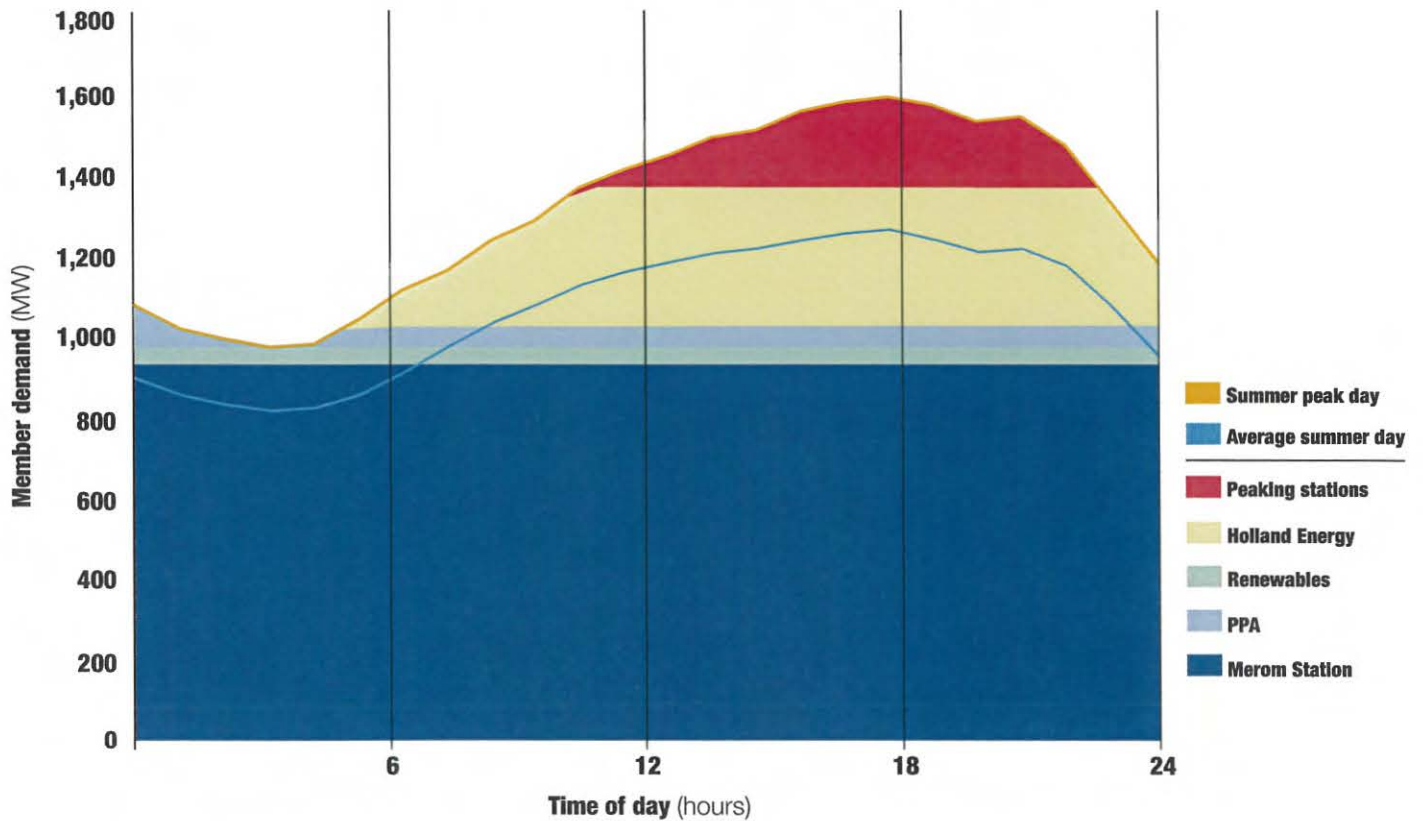
Renewables

Renewable generation includes wind, hydro, solar and biomass facilities that do not rely on traditional fossil fuels. Most renewable facilities operate intermittently and require backup capacity from other generation to meet load and MISO requirements.

Hoosier Energy plans to add 200 MW of solar generation to the resource mix beginning in 2020 pending contract finalization. This PPA will supplement the current wind, hydro, solar and landfill gas renewable resources. This PPA will allow Hoosier Energy to achieve the voluntary Board program target of 10 percent of member energy requirements from renewables by 2025.

RESOURCE CONTRIBUTIONS

How assets will meet member needs in 2018



FUELS

Coal

Although opposed by the current Administration, there remains a potential for carbon regulation in the future. Future environmental rules, the resulting potential for significant cost increases, and low natural gas prices make new coal-fired generation an uneconomic resource choice.

Natural gas

Natural gas combined cycle plants offer low capital costs and flexible operating characteristics. Low fuel costs and moderate environmental risk make natural gas attractive although price volatility and pipeline capacity remain potential issues.

Energy efficiency

Often called the “fifth fuel”(after coal, natural gas, nuclear, and renewables), energy efficiency offers options to help manage future power requirements. While cost effective, energy efficiency can be limited and highly dependent upon customer participation.

Renewable energy

Tax incentives, public policy requirements and consumer support have led to widespread construction of wind and solar projects across the nation. However, these resources remain non-dispatchable and availability during peak periods is less than traditional resources.

KEY RISKS



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Environmental rules and regulations

Status of Carbon Regulation

On August 3, 2015 President Obama announced EPA's issuance of its final rules for reducing carbon emissions from new, modified or reconstructed units (111(b)) and existing units (typically referred to as the Clean Power Plan or 111(d)) along with a proposed Federal Implementation Plan (FIP). Overall the final rule for the Clean Power Plan (CPP) calls for a 32% reduction in power plant CO₂ emissions by 2030 from 2005 levels. States more dependent on coal face greater emissions reductions. Indiana is required to reduce CO₂ emission by 39% from EPA's 2012 baseline by 2030.

In February 2016 the U.S. Supreme Court issued a stay of the CPP. The stay freezes implementation of the rule until the judicial review process for the rule is complete. In March 2017, President Trump requested that the U.S. Court of Appeals for the District of Columbia halt its review of the legality of the CPP. He also signed an Executive Order directing the Environmental Protection Agency to review the CPP, with the focus upon potentially dismantling the plan. These actions will undoubtedly increase the legal uncertainty surrounding the rule

as well as likely extend the compliance timeline by two to three years assuming that the regulation survives judicial review.

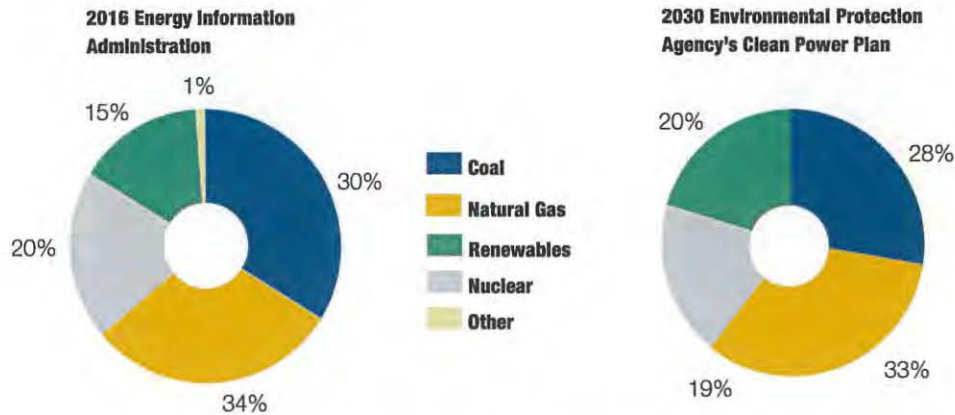
The state of Indiana, already a participant in the legal challenges to the rule, chose to end planning for CPP implementation as a result of the stay. In the absence of state activities, utilities and independent third parties continue to refine analysis and compliance strategies with large variations due to uncertainty discussed above.

Implications for Resource Planning

While the final outcome of the CPP is still uncertain, recent market trends have created a situation that resembles a possible future with the regulation in place. Natural gas fired generation has increased due to low prices spurred by a large supply expansion from unconventional sources. In addition, tax credits, state mandates and declining capital costs have fueled the growth of renewable energy investments. Over this time load growth has slowed due to a combination of energy efficiency gains, economic slowdown and a decline in the energy intensity of gross domestic product. These trends have

Continued on page 7

KEY RISKS



Sources: U.S. Energy Information Administration; Environmental Protection Agency.

combined to reduce the amount of coal in the overall generation mix of the U.S. from 45% in 2010 to 32% in 2016.

The EPA's modeling of the CPP did not anticipate the absence of coal from the generation mix. In fact it estimated that coal generation would account for 28% of U.S. electricity supply in 2030 not far from 2016 levels. The market trends are potentially creating new expectations for baseload coal resources. In particular, baseload coal resources will need to become more flexible and may start to be viewed as intermediate resources with strong seasonal run times in the summer and winter. The Merom station has experienced a reduction in capacity factor in recent years related to these trends and similar capacity factors are forecast for the mid-term.

The shift away from baseload coal to renewables and natural gas could increase several sources of volatility. Reliance on natural gas generation, both from increasing capacity factors at existing natural gas plants and new

builds to replace retiring coal capacity, would raise power market sensitivity to swings in natural gas fuel prices. Moreover, increases in renewable energy generation drive down marginal energy prices in times of high resource output creating a low price situation due to zero fuel costs. When wind and solar resources are not available more and much higher priced generation has to dispatch to cover the gap. The result will be a wider spread between high and low prices (volatility) occurring more frequently than in the past.

Another potential impact of increasing coal retirements and replacing the energy production with renewables will be an increase in capacity price. In a situation similar to being exposed to a volatile energy market, Hoosier Energy may face increased risk surrounding capacity prices if historical capacity resources are reduced and create a short capacity position.

Renewables

Hoosier Energy is progressing towards achieving the Board-approved target of supplying 10 percent of member energy needs through renewable resources by 2025. The addition of the 200 MW Solar PPA beginning in 2020, pending Board approval, will continue to diversify Hoosier Energy's

commitment to diversity in size, location, and technology. With the addition of the PPA to the renewables portfolio, Hoosier Energy will meet the Board-approved target.

In 2018, the G & T will receive the first 25 MW from the Meadow Lake PPA, which is a 20-year PPA sourced from the

Meadow Lake Wind Farm. An additional 50 MW will be purchased through the same 20 year PPA from Meadow Lake beginning in 2020. EDP Renewables is the owner of Meadow Lake and also the owner of the Rail Splitter project in Central Illinois with which Hoosier has a 25 MW PPA.

KEY RISKS



Transmission price constraints

Congestion is a significant cost risk. Congestion is a result of the locational marginal pricing (LMP) methodology, which reflects the value of energy at specified locations throughout the MISO footprint. If the same priced electricity can reach all locations throughout the grid, then LMPs are the same. When there is transmission congestion generally caused by heavy use of the transmission system, energy cannot flow either from or to other locations. This forces more expensive and/or more advantageously located electricity to flow in order to meet the demand. As a result, the LMP is higher in the constrained locations.

Hoosier Energy has worked with both ACES and outside consultants to analyze congestion between the generation stations and the Hoosier load zones. The analysis, which includes the MISO-approved transmission expansion plans, generally shows some improvement to congestion impacts even though construction of those lines is currently impacting dispatch of generating units. Therefore, long-term congestion impacts

appears to be a low risk at this time.

Hoosier Energy's success in preserving grandfathered agreements (GFAs) provides congestion benefits to members. GFAs act as a hedge against congestion costs and provide about \$3 million in annual benefits to members. Hoosier Energy has successfully fought prior attempts to eliminate GFAs but the potential for future threats remain.

In addition, GFAs are exempt from charges for the largest and most expensive MISO transmission projects. Based upon MISO's cost and allocation forecasts, the benefit of avoiding these costs for the GFA portion of Hoosier's member load is estimated to be \$6 million in 2018 and increasing in the future.

MISO is in the process of developing another portfolio of projects. This is a multi-year study to position the grid in support of changing resource mix. The effort is expected to conclude in 2019. Therefore, Hoosier Energy continues to face transmission cost risk from new transmission projects authorized by MISO.

KEY RISKS

Markets

The forward power market remains a viable alternative to satisfy a portion of member needs. Recently, the impact of low natural gas and renewables prices has been to depress market power prices, thereby placing increasing pressure on coal-fired generation. Improvements in gas-extraction technology have increased sources of supply beyond those traditionally counted upon to supply markets and driven natural gas prices lower.

Renewables prices have declined as lower capital costs and favorable policies have led to increased market penetration.

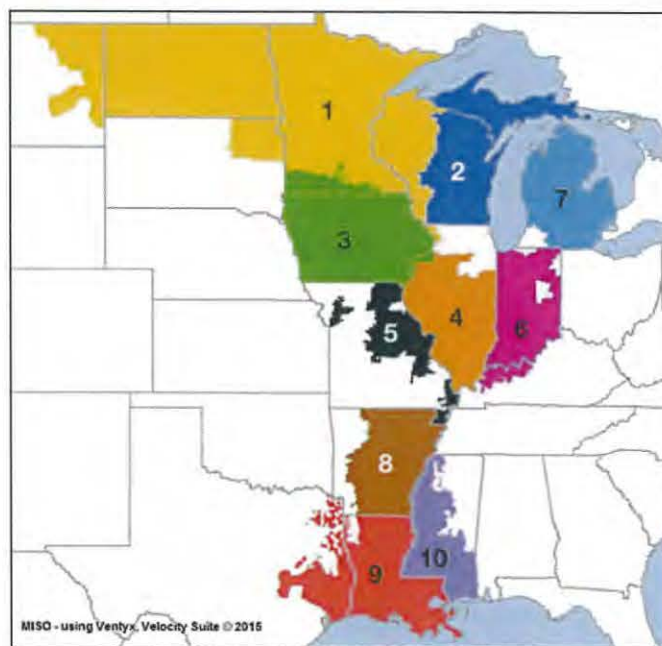
In the intermediate-to-longer-term, it is anticipated that downward price pressures will continue from gas-fired generation and renewables, particularly solar, as well as from stagnating load growth. Long-term market exposure can be hedged through assets or purchased power agreements.

Midcontinent Independent System Operator

The MISO footprint is divided into 10 zones for resource adequacy purposes. The purpose of the zones is to reflect transmission capability between the zones and ensure reliability during peak conditions. Hoosier Energy has generation and load in two zones: zone 6 (Indiana) and zone 4 (Illinois). Hoosier Energy has a capacity deficit in zone 6 of roughly 200 MW that is offset by excess resources of the same amount in zone 4. Overall, Hoosier Energy's capacity resource portfolio is balanced.

The results of a recent MISO Survey indicate that, based on current assumptions, there are sufficient resources to serve expected load through the 2021-22 Planning Year. This means that short-term capacity should be available and relatively inexpensive versus the long-term cost of dispatchable generation assets. In addition, ACES recently completed an analysis that concluded separation between zones 4 and 6 is unlikely over the next few years. Therefore, given limited load growth and ongoing transmission investment, the price differential between the two zones should remain manageable. However, these are projections that will change especially if load growth is different than expected and/or due to unanticipated resource retirements.

MISO continues to propose changes to this construct with the stated goal of further enhancing long-term resource adequacy. In 2017, MISO proposed changes to the locational requirements to address the integration of external resources. This was driven by a large generator moving from PJM to the MISO resource construct. MISO also introduced a plan to create inter-zonal hedges for certain qualified long-term historic agree-

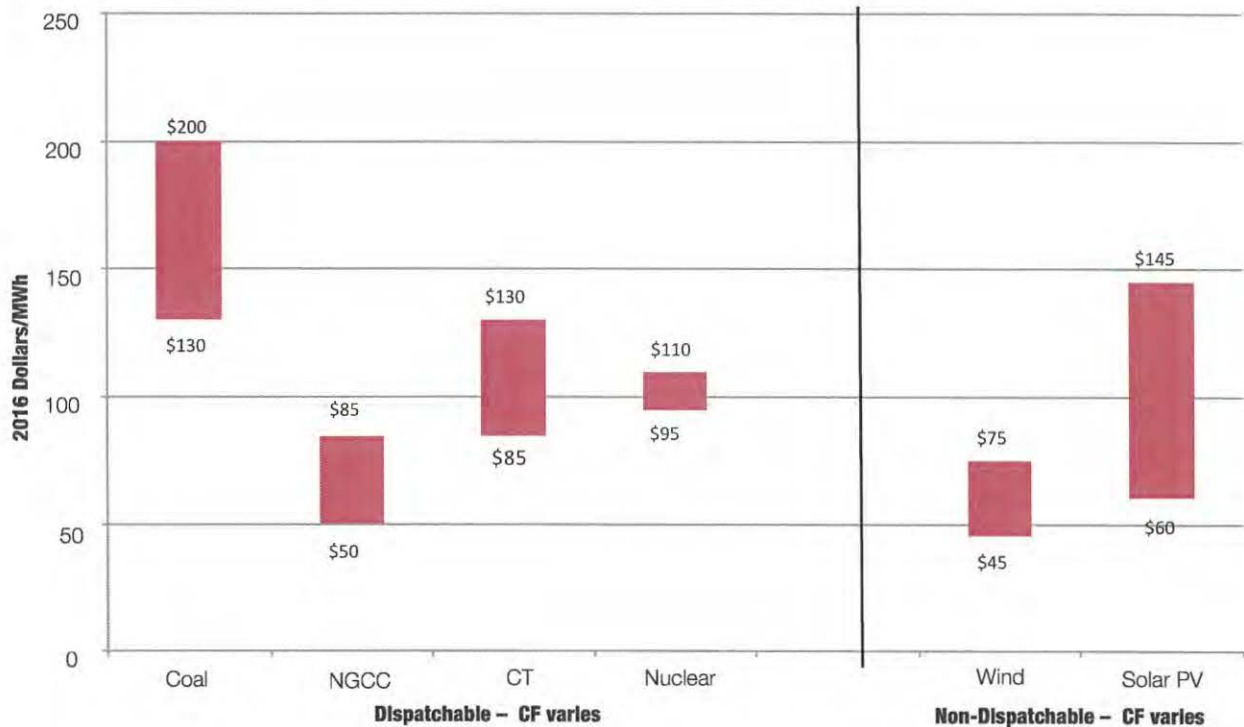


ments. Given the complexities, MISO recently announced a delay in implementation of these changes until the 2019 – 20 Planning Year.

In 2018, however, MISO plans to make seasonal resource adequacy a priority during discussions with stakeholders. This could potentially have a larger impact on Hoosier Energy than the locational changes due to Hoosier Energy's dual peaking system (winter forecast peak slightly higher than summer forecast peak). Hoosier Energy will continue to monitor and participate in the MISO resource adequacy discussions to mitigate this risk.

ENERGY COST OF NEW GENERATION

The chart below reflects the U.S. Energy Information Administration's forecasted ranges of levelized cost of electricity for new generation resources entering service in 2022, based on current dollars. The referenced coal facility includes carbon capture and storage and is assumed to remove 90 percent of the plant's CO2 emissions. This chart indicates that gas-fired and renewable generation will be the most economic alternatives as generation portfolio additions. While wind and solar generation may be less expensive on a levelized cost basis than some alternatives, they are intermittent energy sources and cannot be dispatched as needed.



Source: Energy Information Administration (April 2017)

Counterparties

Hoosier Energy members are well served by maintaining a mix of owned and purchased resources. In addition to the purchased power agreements, Hoosier Energy uses PPAs to acquire wind, solar and hydro renewable resources. Hoosier Energy-owned generation includes a mix of sole and jointly-owned facilities. Hoosier En-

ergy and Wabash Valley worked jointly to develop the Lawrence peaking facility in 2005 and purchase the Holland combined-cycle facility in 2009.

Future generation resource options will likely include additional partnerships with existing or new counterparties. Options may include shared ownership or Hoosier Energy taking a partial interest in generation resources owned by other companies.

RESOURCE CHANGES

2018-2022

New resources include:

- 16 MW Orchard Hills LFG begins in 2018.
- 25 MW Meadow Lake wind PPA begins in 2018.
- 25 MW Story Wind PPA expires in 2019.
- Pending 200 MW solar PPA: 100 MW begins January 1, 2020 and second 100 MW begins January 1, 2021.
- 50 MW Meadow Lake wind PPA begins January 1, 2020.

- December 31, 2023 expiration of PPA for 100 MW.
- The capacity expansion plan shows a 71 MW deficit in 2024.
- December 31, 2025 expiration of PPA for 50 MW.

2023 and beyond

ACTION PLAN

MARKET INTERACTIONS	Use market purchases/sales to meet short term needs during 2018, hedging strategies to reduce market price risk, monitor markets for opportunities and explore opportunities to hedge capacity differential between MISO zones.
DSM, RENEWABLE RESOURCES	Develop DSM resources with members; pursue additional renewable opportunities consistent with the Board Policy renewable portfolio standard of 10 percent of member energy requirements by 2025.
CARBON REGULATIONS	PA Consulting modeling of future carbon legislation indicates the potential for reduction in Merom capacity factors by mid-2020s, when CO2 restrictions are potentially effective. The model suggests the addition of more energy resources, including renewables and a NGCC in the late 2020s time period.
LONG-TERM NEEDS	Hoosier Energy worked with PA Consulting to perform a resource screening and portfolio analysis. The analysis consists of a 20-year forward assessment of Hoosier Energy's Member forecast load and resources required to serve requirements on a low cost and reliable basis. The analysis included sensitivities of several variables including load growth, commodity costs, capital costs, renewable resource costs and environmental regulations. Assuming the base load forecast, under all 5 market cases, the analysis recognizes a need for inexpensive capacity and selects a gas-fired combustion turbine in the mid-2020s. Under low load cases, the resource need does not occur until later in the planning horizon and the model favors solar resources.

ACRONYMS USED

CF

Capacity Factor

CO2

Carbon Dioxide

CPP

Clean Power Plan

CT

Combustion Turbine

DSM

Demand Side Management

EPA

Environmental Protection Agency

FERC

Federal Energy Regulatory Commission

FIP

Federal Implementation Plan

GFA

Grandfathered Agreements

G&T

Generation and Transmission Cooperative

IURC

Indiana Utility Regulatory Commission

LMP

Locational Marginal Price

LRRP

Long Range Resource Plan

MISO

Midcontinent Independent System Operator

NGCC

Natural Gas Combined Cycle

PJM

PJM Interconnection


PPA

Purchased Power Agreement

PRS

Power Requirement Study

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ENERGY

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Appendix J
Cross-Reference to Proposed Rule

Appendix J - Cross-Reference to Proposed Rule

170 IAC 4-7 Section	Requirement	Location
4	Integrated Resource Plan contents	
	An IRP must include the following:	
(1)	At least a twenty (20) year future period for predicted or forecasted analyses.	Section 2.7; Appendix A1, A3, A4
(2)	An analysis of historical and forecasted levels of peak demand and energy usage in compliance with section 5(a) of this rule.	Appendix B
(3)	At least three (3) alternative forecasts of peak demand and energy usage in compliance with section 5(b) of this rule.	Section 2.7; Appendix A1, A3, A4
(4)	A description of the utility's existing resources in compliance with section 6(a) of this rule.	Section 3.1.1, 3.1.2
(5)	A description of the utility's process for selecting possible alternative future resources for meeting future demand for electric service, including a cost-benefit analysis, if performed.	Section 4
(6)	A description of the possible alternative future resources for meeting future demand for electric service in compliance with section 6(b) of this rule.	Section 4
(7)	The resource screening analysis and resource summary table required by section 7 of this rule.	Section 4.6
(8)	A description of the candidate resource portfolios and the process for developing candidate resource portfolios in compliance with section 8(a) and 8(b) of this rule.	Section 5
(9)	A description of the utility's preferred resource portfolio and the information required by section 8(c) of this rule.	Section 5.7
(10)	A short term action plan for the next three (3) year period to implement the utility's preferred resource portfolio and its workable strategy, pursuant to section 9 of this rule.	Section 1.4
(11)	A discussion of the: (A) inputs; (B) methods; and (C) definitions; used by the utility in the IRP	Sections 4 and 5
	Appendices of the data sets-and data sources used to establish alternative forecasts-in section 5(b) of this rule. If the IRP references a third-party data source,-the IRP must include for the relevant data: (A) source title; (B) author; (C) publishing address;	

(12)	<p>(D) date;</p> <p>(E) page number; and</p> <p>(F) an explanation of adjustments made to the data.</p> <p>The data must be submitted within two (2) weeks of submitting the IRP in an editable format, such as a comma separated value or excel spreadsheet file.</p>	Appendix A1, A3, A4
(13)	<p>A description of the utility's effort to develop and maintain a database of electricity consumption patterns, disaggregated by:</p> <p>(A) customer class;</p> <p>(B) rate class;</p> <p>(C) NAICS code;</p> <p>(D) DSM program; and</p> <p>(E) end-use.</p>	Section 2.5.1
(14)	<p>The database in subdivision (13) may be developed using, but not limited to, the following methods:</p> <p>(A) Load research developed by the individual utility.</p> <p>(B) Load research developed in conjunction with another utility.</p> <p>(C) Load research developed by another utility and modified to meet the characteristics of that utility.</p> <p>(D) Engineering estimates.</p> <p>(E) Load data developed by a non-utility source.</p>	Section 2.5.1
(15)	<p>A proposed schedule for industrial, commercial, and residential customer surveys to obtain data on:</p> <p>(A) end-use penetration;</p> <p>(B) end-use saturation rates; and</p> <p>(C) end-use electricity consumption patterns.</p>	Section 2.5.4
(16)	<p>A discussion detailing how information from advanced metering infrastructure and smart grid, where available, will be used to enhance usage data and improve load forecasts, DSM programs, and other aspects of customer self-planning.</p>	Section 3.2.1.6
(17)	<p>A discussion of the designated contemporary issues designated, if required by section 2.7(e).</p>	
(18)	<p>A discussion of distributed generation within the service territory and its potential effects on:</p> <p>(A) generation planning;</p> <p>(B) transmission and planning;</p> <p>(C) distribution planning; and</p> <p>(D) load forecasting.</p>	Section 4.3.9
(19)	<p>For models used in the IRP, including optimization and dispatch models, a description of the model's structure and applicability.</p>	Section 5.2

(20)	A discussion of how the utility's fuel inventory and procurement planning practices have been taken into account and influenced the IRP development.	Section 3.3.2
(21)	A discussion of how the utility's emission allowance inventory and procurement practices have been considered and influenced the IRP development.	Section 3.3.1
(22)	A description of the generation expansion planning criteria. The description must fully explain the basis for the criteria selected.	Section 4
(23)	A discussion of how compliance costs for existing or reasonably anticipated air, land, or water environmental regulations impacting generation assets have been taken into account and influenced the IRP development.	Section 3.3.1
(24)	A discussion of how the utilities' resource planning objectives, such as: (A) cost effectiveness; (B) rate impacts; (C) risks; and (D) uncertainty;	Section 1.3
	A description and analysis of the utility's base case scenario, sometimes referred to a business as usual case or reference case. The base case scenario is the most likely future scenario and must meet the following criteria: (A) Be an extension of the status quo, using the best estimate of forecasted electrical requirements, fuel price projections, and an objective analysis of the resources required over the planning horizon to reliably and economically satisfy electrical needs. (B) Include: (i) existing federal environmental laws; (ii) existing state laws, such as renewable energy requirements and energy efficiency laws; and (iii) existing policies, such as tax incentives for renewable resources. (C) Existing laws or policies continuing throughout at least some portion of the planning horizon with a high probability of expiration or repeal must be eliminated or altered when applicable. (D) Not include future resources, laws, or policies unless: (i) a utility subject to section 2.6 of this rule solicits stakeholder input regarding the inclusion and describes the input received; (ii) future resources have obtained the necessary regulatory approvals; and (iii) future laws and policies have a high probability of being enacted.	

(25)	A base case scenario need not align with the utility's preferred resource portfolio.	Section 5.4
(26)	A description and analysis of alternative scenarios to the base case scenario, including comparison of the alternative scenarios to the base case scenario.	Sections 5.4 and 5.6
(27)	<p>A brief description of the models(s), focusing on the utility's Indiana jurisdictional facilities, of the following components of FERC Form 715:</p> <p>(A) The most current power flow data models, studies, and sensitivity analysis.</p> <p>(B) Dynamic simulation on its transmission system, including interconnections, focused on the determination of the performance and stability of its transmission system on various fault conditions. The description must state whether the simulation meets the standards of the North American Electric Reliability Corporation (NERC).</p> <p>(C) Reliability criteria for transmission planning as well as the assessment practice used. This description must include the following:</p> <p>(i) The limits of the utility's transmission use.</p> <p>(ii) The utility's assessment practices developed through experience and study.</p> <p>(iii) Operating restrictions and limitations particular to the utility.</p>	Section 3.3.3
	<p>A list and description of the methods used by the utility in developing the IRP, including the following:</p> <p>(A) For models used in the IRP, the model's structure and reasoning for its use.</p>	Section 5.1
(28)	<p>B) The utility's effort to develop and improve the methodology and inputs, including for its:</p> <p>(i) load forecast;</p> <p>(ii) forecasted impact from programs;</p> <p>(iii) cost estimates; and</p> <p>(iv) analysis of risk and uncertainty.</p>	<p>Section 2.6</p> <p>Section 2.6</p> <p>Section 1.4</p> <p>Section 5.8.3; 5.8.4</p>
	<p>An explanation, with supporting documentation, of the avoided cost calculation for each year in the forecast period, if the avoided cost calculation is used to screen demand-side resources. The avoided cost calculation must reflect timing factors specific to the resource under consideration such as project life and seasonal operation. The avoided cost calculation must include the following:</p> <p>(A) The avoided generating capacity cost adjusted for transmission and distribution losses and the reserve margin requirement.</p> <p>(B) The avoided transmission capacity cost.</p> <p>(C) The avoided distribution capacity cost.</p> <p>(D) The avoided operating cost, including:</p>	

(29)	(i) fuel cost; (ii) plant operation and maintenance costs; (iii) spinning reserve; (iv) emission allowances; (v) environmental compliance costs; and (vi) transmission and distribution operation and maintenance costs.	Section 3.3.2
(30)	A summary of the utility's most recent public advisory process, including the following: (A) Key issues discussed. (B) How the utility responded to the issues. (C) A description of how stakeholder input was used in developing the IRP.	N/A
(31)	A detailed explanation of the assessment of demand-side and supply-side resources considered to meet future customer electricity service needs.	Sections 4.1 - 4.3
5 Energy and Demand Forecasts		
(1)	(a) The analysis of historical and forecasted levels of peak demand and energy usage must include the following: Historical load shapes, including the following: (A) Annual load shapes. (B) Seasonal load shapes. (C) Monthly load shapes. (D) Selected weekly and load shapes. (E) Selected daily load shapes, which shall include summer and winter peak days, and a typical weekday and weekend day.	Appendix B
(2)	Disaggregation of historical data and forecasts by: (A) customer class,; (B) interruptible load,; and (C) end-use; where information permits.	Section 2.7; Appendix A1 - A7
(3)	Actual and weather normalized energy and demand levels.	Appendix A1 - A7
(4)	A discussion of methods and processes used to weather normalize.	Section 2.2.6
(5)	A minimum twenty (20) year period for peak demand and energy usage forecasts.	Section 2.7
(6)	An evaluation of the performance of peak demand and energy usage for the previous ten (10) years, including the following: (A) Total system. (B) Customer classes or, rate classes, or both. (C) Firm wholesale power sales.	Appendix B
(7)	A discussion of how the impact of historical DSM programs is reflected in or otherwise treated in the load forecast.	Section 5.3.5
(8)	Justification for the selected forecasting methodology	Section 2.2

(9)	A discussion of the potential changes under consideration to improve the credibility of the forecasted demand by improving the data quality, tools, and analysis.	Section 2.6
(10)	<p>For purposes of subdivisions (1) and (2), a utility may use utility specific data or data such as described in section 4(14) of this rule.</p> <p>(b) To establish plausible risk boundaries, the utility shall provide at least three (3) alternative forecasts of peak demand and energy usage including:</p> <p>(1) high;</p> <p>(2) low; and</p> <p>(3) most probable: peak demand and energy use forecasts.</p> <p>(c) In determining the peak demand and energy usage forecast that is deemed by the utility, with stakeholder input, to be most probable, the utility shall consider alternative assumptions such as:</p> <p>(1) Rate of change in population.</p> <p>(2) Economic activity.</p> <p>(3) Fuel prices.</p> <p>(4) Price elasticity.</p> <p>(5) Penetration of new technology.</p> <p>(6) Demographic changes in population.</p> <p>(7) Customer usage.</p> <p>(8) Changes in technology.</p> <p>(9) Behavioral factors affecting customer consumption.</p> <p>(10) State and federal energy policies.</p> <p>(11) State and federal environmental policies.</p>	Section 2
6	Description of Available Resources	
(1)	<p>(a) In describing its existing electric power resources, the utility must include in its IRP the following information relevant to the twenty (20) year planning period being evaluated:</p> <p>The net and gross dependable generating capacity of the system and each generating unit.</p>	Section 3.1.1
(2)	<p>The expected changes to existing generating capacity, including but not limited to, the following:</p> <p>(A) Retirements.</p> <p>(B) Deratings.</p> <p>(C) Plant life extensions.</p> <p>(D) Repowering.</p> <p>(E) Refurbishment.</p>	Section 5.6
(3)	A fuel price forecast by generating unit.	Appendix D
	<p>The significant environmental effects, including:</p> <p>A) air emissions;</p> <p>(B) solid waste disposal;</p>	

(4)	(C) hazardous waste; and (D) subsequent disposal; and (E) water consumption and discharge; at existing fossil fueled generating units	Section 3.3
(5)	An analysis of the existing utility transmission system that includes the following: (A) An evaluation of the adequacy to support load growth and expected power transfers. (B) An evaluation of the supply-side resource potential of actions to reduce: (i) transmission losses; (ii) congestion; and (iii) energy costs. (C) An evaluation of the potential impact of demand-side resources on the transmission network.	Section 3.3.3
	A discussion of demand-side resources and their estimated impact on the utility's historical and forecasted peak demand and energy. The information listed in subdivision (a)(1) through (a)(4) and in subdivision (a)(6) shall be provided for each year of the future planning period. (b) In describing possible alternative methods of meeting future demand for electric service, a utility must analyze the following resources as alternatives in meeting future electric service requirements: (1) Rate design as a resource in meeting future electric service requirements.	Section 3.2.2; Section 4.1
	(2) Demand-side resources. For potential demand-side resources, the utility shall include the following: (A) A description of the potential demand-side resource, including its costs, characteristics, and parameters.	Section 3.2.1; Appendix C
	(B) The method by which the costs, characteristics, and other parameters of the demand-side resource are determined.	Section 4.2; Appendix C
	(C) The customer class or end-use, or both, affected by the demand-side resource.	Section 5.7; Appendix G
	(D) Estimated annual and lifetime energy (kWh) and demand (kW) savings.	Appendix G
	(E) The estimated impact of a demand-side resource on the utility's load, generating capacity, and transmission and distribution requirements.	Appendix G
	(F) Whether the program provides an opportunity for all ratepayers to participate including low-income residential ratepayers.	Section 4.2
	(3) Supply-side resources. For potential supply-side resources, the utility shall include the following:	

	(A) Identification and description of the supply-side resource considered, including the following:	
	(i) Size in megawatts.	Appendix C
	(ii) Utilized technology and fuel type.	Appendix C
	(iii) Energy profile of nondispatchable resources.	Appendix C
	(iv) Additional transmission facilities necessitated by the resource.	Section 3.3.3
	(B) A discussion of the utility's effort to coordinate planning, construction, and operation of the supply-side resource with other utilities to reduce cost.	Sections 4.4.3; 5.8.3
	(C) A description of significant environmental effects, including the following:	
	(i) Air emissions.	Section 3.3.1
	(ii) Solid waste disposal.	Section 3.3.1
	(iii) Hazardous waste and subsequent disposal.	Section 3.3.1
	(iv) Water consumption and discharge.	Section 3.3.1
	(4) Transmission facilities as resources. In analyzing transmission resources, the utility shall include the following:	
	(A) The type of the transmission resource, including whether the resource consists of one (1) of the following:	
	(i) New projects.	Section 3.3.3
	(ii) Upgrades to transmission facilities.	Section 3.3.3
	(iii) Efficiency improvements.	Section 3.3.3
	(iv) Smart grid technology.	Section 3.3.3
	(B) A description of the timing, types of expansion, and alternative options considered.	Section 3.3.3
	(C) The approximate cost of expected expansion and alteration of the transmission network.	Section 3.3.3
	(D) A description of how the IRP accounts for the value of new or upgraded transmission facilities increasing power transfer capability, thereby increasing the utilization of geographically constrained cost effective resources.	Section 3.3.3
	(E) A description of how:	
	(i) IRP data and information affect the planning and implementation processes of the RTO of which the utility is a member; and	Section 3.3.3
(6)	(ii) RTO planning and implementation processes affect the IRP.	Section 3.3.3
7	Selection of Resources	

	(a) To eliminate nonviable alternatives, a utility shall perform an initial screening of the future resource alternatives listed in section 6(b) of this rule. The utility's screening process and the decision to reject or accept a resource alternative for further analysis must be fully explained and supported in the IRP. The screening analysis must be additionally summarized in a resource summary table.	Section 4.5
8	Resource Portfolios	
	(a) The utility shall develop candidate resource portfolios from existing and future resources identified in sections 6 and 7 of this rule. The utility shall provide a description of its process for developing its candidate resource portfolios, including a description of its optimization modeling, if used. In selecting the candidate resource portfolios, the utility shall at a minimum consider: (1) risk; (2) uncertainty; (3) regional resources; (4) environmental regulations; (5) projections for fuel costs; (6) load growth uncertainty; (7) economic factors; and (8) technological change.	Section 5; Appendix D
	(b) With regard to candidate resource portfolios, the IRP must include the following: (1) An analysis of how candidate resource portfolios performed across a wide range of potential future scenarios, including the alternative scenarios required under section 4(25) of this rule.	Sections 5.5 and 5.6
	(2) The results of testing and rank ordering of the candidate resource portfolios by key resource planning objectives, including cost effectiveness and risk metrics.	Appendix E
	(3) The present value of revenue requirement for each candidate resource portfolio in dollars per kilowatt-hour delivered, with the interest rate specified.	Sections 5.5 and 5.6
	(c) From its candidate resource portfolios, a utility shall select a preferred resource portfolio and include in the IRP the following:	
(1)	A description of the utility's preferred resource portfolio.	Section 5.8
(2)	Identification of the standards of reliability.	Section 5.7.2
(3)	A description of the assumptions expected to have the greatest effect on the preferred resource portfolio.	Section 5.7.5

(4)	<p>An analysis showing that supply-side resources and demand-side resources have been evaluated on a consistent and comparable basis, including consideration of:</p> <ul style="list-style-type: none"> (A) safety; (B) reliability; (C) risk and uncertainty; (D) cost effectiveness; and (E) customer rate impacts. 	Section 5
(5)	<p>An analysis showing the preferred resource portfolio utilizes supply-side resources and demand-side resources that safely, reliably, efficiently, and cost-effectively meets the electric system demand taking cost, risk, and uncertainty into consideration.</p>	Section 5.7
(6)	<p>An evaluation of the utility's DSM programs designed to defer or eliminate investment in a transmission or distribution facility, including their impacts on the utility's transmission and distribution system.</p>	Section 3.2.1; Section 5.7
(7)	<p>A discussion of the financial impact on the utility of acquiring future resources identified in the utility's preferred resource portfolio including, where appropriate, the following:</p> <ul style="list-style-type: none"> (A) Operating and capital costs of the preferred resource portfolio. 	Appendix C
	<ul style="list-style-type: none"> (B) The average cost per kilowatt-hour of the future resources, which must be consistent with the electricity price assumption used to forecast the utility's expected load by customer class in section 5 of this rule. 	Appendix H
	<ul style="list-style-type: none"> (C) An estimate of the utility's avoided cost for each year of the preferred resource portfolio. 	Section 3.3.2
	<ul style="list-style-type: none"> (D) The utility's ability to finance the preferred resource portfolio. 	Section 5.9.2
	<p>A description of how the preferred resource portfolio balances cost effectiveness, reliability, and portfolio risk and uncertainty, including the following:</p> <ul style="list-style-type: none"> (A) Quantification, where possible, of assumed risks and uncertainties, including, but not limited to: <ul style="list-style-type: none"> (i) environmental and other regulatory compliance; (ii) reasonably anticipated future regulations; (iii) public policy; (iv) fuel prices; (v) operating costs; (vi) construction costs; (vii) resource performance; (viii) load requirements; (ix) wholesale electricity and transmission prices; (x) RTO requirements; and 	

(8)	(xi) technological progress. (B) An assessment of how robustness of risk considerations factored into the selection of the preferred resource portfolio.	Section 5.8.3
(9)	Utilities shall include a discussion of potential methods under consideration to improve the data quality, tools, and analysis as part of the ongoing efforts to improve the credibility and efficiencies of their resource planning process.	Section 5.8.4
(10)	A workable strategy to quickly and appropriately adapt its preferred resource portfolio to unexpected circumstances including changes in the following: (A) Demand for electric service. (B) Cost of a new supply-side resources or demand-side resources. (C) Regulatory compliance requirements and costs. (D) Wholesale market conditions. (E) Fuel costs. (F) Environmental compliance costs. (G) Technology and associated costs and penetration. (H) Other factors which would cause the forecasted relationship between supply and demand for electric service to be in error.	Section 5.8.4
9	Short Term Action Plan	
	(a) A utility shall prepare a short term action plan as part of its IRP, and shall cover a three (3) year period beginning with the first year of the IRP submitted pursuant to this rule.	Section 1.4
	(b) The short term action plan shall summarize the utility's preferred resource portfolio and its workable strategy, as described in section 8(c)(9) of this rule, where the utility must take action or incur expenses during the three (3) year period.	Section 1.4
(1)	(c) The short term action plan must include, but is not limited to, the following: A description of resources in the preferred resource portfolio included in the short term action plan. The description may include references to other sections of the IRP to avoid duplicate descriptions. The description must include, but is not limited to, the following: (A) The objective of the preferred resource option or program portfolio.	Section 1.4
	(B) The criteria for measuring progress toward the objective.	

(2)	Identification of goals for implementation of DSM programs that can be developed in accordance with IC 8-1-8.5-10, 170 IAC 4-8-1 et seq. and consistent with the utility's longer resource planning objectives.	Section 1.3.4
(3)	The implementation schedule for the preferred resource portfolio.	Section 1.4
(4)	A budget with an estimated range for the cost to be incurred for each resource or program and expected system impacts.	Section 1.4
(5)	A description and explanation of differences between what was stated in the utility's last filed short-term action plan and what actually occurred.	Section 1.5