

**Comparison of Michigan Forecast with MPSC Electric Sales Forecast
2005-2025**

Updated Forecast

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Southeast Michigan	56,758	58,552	59,857	60,982	61,979	63,037	64,098	65,186
Balance of Lower Peninsula	50,576	51,570	52,621	53,877	54,977	56,058	57,180	58,424
Upper Peninsula	6,448	6,526	6,565	6,624	6,684	6,754	6,821	6,875
Total - GWh	113,782	116,648	119,043	121,483	123,640	125,850	128,099	130,486

Demand Forecast (MW)	2005	2006	2007	2008	2009	2010	2011	2012
Southeast Michigan	12,551	12,896	13,174	13,415	13,648	13,888	14,125	14,377
Balance of Lower Peninsula	10,652	10,965	11,285	11,626	11,970	12,313	12,663	13,014
Upper Peninsula	898	903	910	918	926	938	946	953
Total - MW	24,101	24,765	25,368	25,959	26,544	27,138	27,734	28,344

MPSC Forecast

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Southeast Michigan	53,573	54,728	55,717	56,428	57,350	58,271	59,193	60,114
Balance of Lower Peninsula	51,047	52,235	53,390	54,598	55,801	57,001	58,197	59,391
Upper Peninsula	6,123	6,209	6,289	6,372	6,456	6,539	6,622	6,705
Total - GWh	110,743	113,172	115,396	117,398	119,607	121,811	124,012	126,210

Demand Forecast (MW) ¹	2005	2006	2007	2008	2009	2010	2011	2012
Lower Peninsula	24,882	25,415	25,930	26,454	26,991	27,538	28,097	28,667
Remove Indiana Michigan Power Company ²	(643)	(664)	(679)	(691)	(708)	(721)	(735)	(745)
Upper Peninsula	1,202	1,224	1,245	1,267	1,289	1,310	1,332	1,354
Total - MW	25,441	25,975	26,496	27,030	27,572	28,127	28,694	29,276

Difference

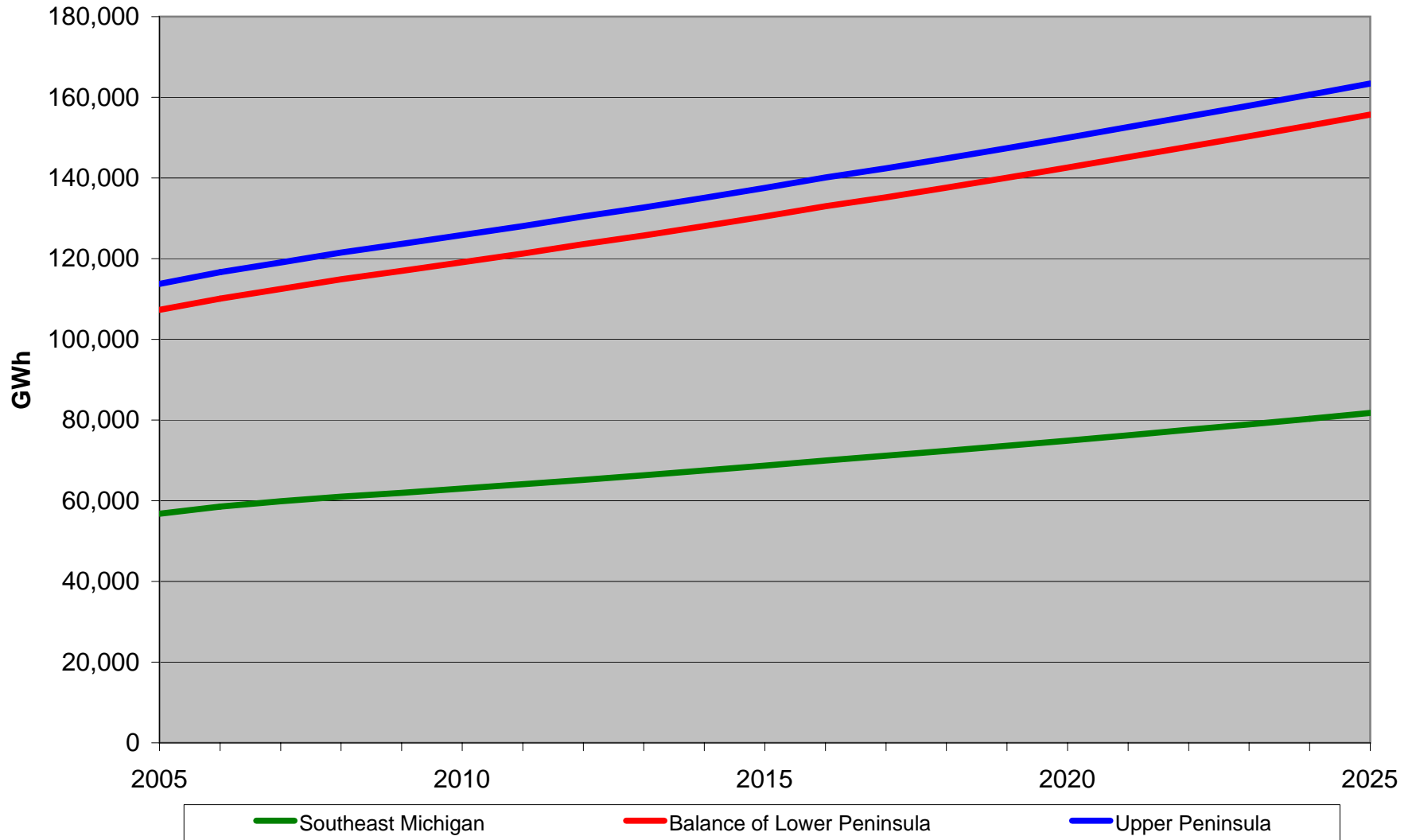
Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Southeast Michigan	3,185	3,824	4,140	4,554	4,629	4,766	4,905	5,072
Balance of Lower Peninsula	(470)	(666)	(768)	(721)	(824)	(943)	(1,017)	(967)
Upper Peninsula	325	317	276	252	228	215	199	170
Total Difference - GWh	3,040	3,475	3,647	4,085	4,033	4,039	4,086	4,275
Total Difference - %	2.7%	3.0%	3.1%	3.4%	3.3%	3.2%	3.2%	3.3%

Demand Forecast (MW)	2005	2006	2007	2008	2009	2010	2011	2012
Lower Peninsula	(1,036)	(890)	(792)	(722)	(665)	(616)	(574)	(531)
Upper Peninsula	(304)	(321)	(335)	(349)	(363)	(372)	(386)	(401)
Total Difference - MW	(1,340)	(1,210)	(1,128)	(1,071)	(1,028)	(989)	(960)	(932)
Total Difference - %	(5.6%)	(4.9%)	(4.4%)	(4.1%)	(3.9%)	(3.6%)	(3.5%)	(3.3%)

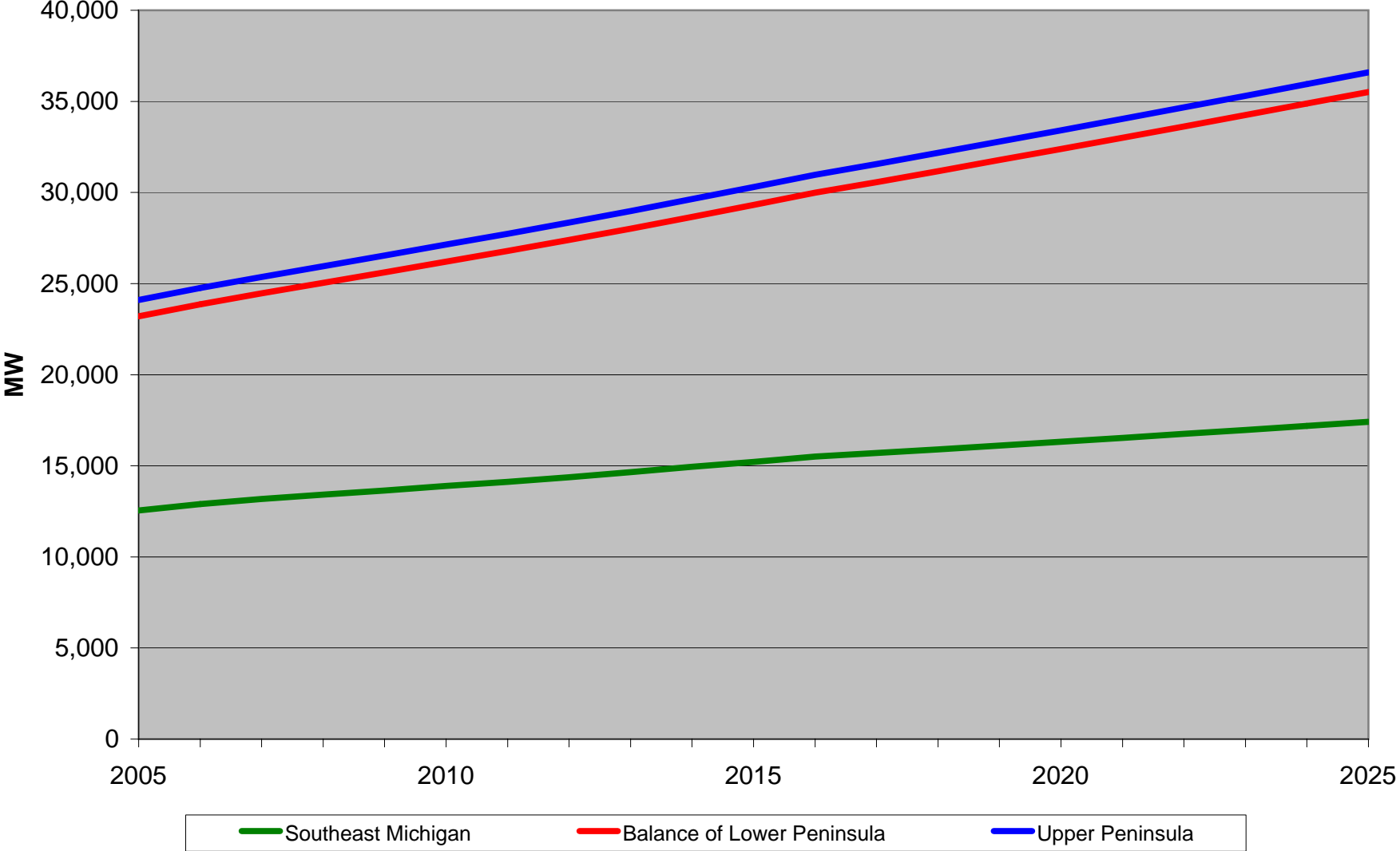
¹ MPSC peak demand forecast is based on non-coincident peak. For purposes of this comparison, summer peak data was used.

² I&M MW adjustment based on updated forecast figures.

Michigan Energy Forecast



Michigan Demand Forecast



**Michigan Forecast
2005-2025**

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Growth 2005 - 2025	
Energy Forecast (GWh)																							
Southeast Michigan	56,758	58,552	59,857	60,982	61,979	63,037	64,098	65,186	66,315	67,509	68,729	69,996	71,138	72,341	73,612	74,910	76,231	77,575	78,942	80,334	81,751		1.84%
Balance of Lower Peninsula	50,576	51,570	52,621	53,877	54,977	56,058	57,180	58,424	59,444	60,598	61,747	63,029	64,077	65,259	66,474	67,893	68,923	70,164	71,417	72,682	73,959		1.92%
Upper Peninsula	6,448	6,526	6,565	6,624	6,684	6,754	6,821	6,875	6,929	6,991	7,053	7,116	7,180	7,243	7,306	7,370	7,434	7,499	7,564	7,632	7,701		0.89%
Total Michigan (GWh)	113,782	116,648	119,043	121,483	123,640	125,850	128,099	130,486	132,688	135,097	137,529	140,141	142,394	144,843	147,392	149,973	152,588	155,238	157,924	160,649	163,411		1.83%
Demand Forecast (MW)																							
Southeast Michigan	12,551	12,896	13,174	13,415	13,648	13,888	14,125	14,377	14,650	14,939	15,218	15,505	15,697	15,898	16,108	16,318	16,532	16,748	16,967	17,189	17,413		1.65%
Balance of Lower Peninsula	10,652	10,965	11,285	11,626	11,970	12,313	12,663	13,014	13,367	13,724	14,101	14,484	14,871	15,265	15,671	16,071	16,472	16,877	17,283	17,692	18,103		2.69%
Upper Peninsula	898	903	910	918	926	938	946	953	962	971	979	988	997	1008	1016	1025	1036	1044	1054	1063	1073		0.89%
Total Michigan (MW)	24,101	24,765	25,368	25,959	26,544	27,138	27,734	28,344	28,979	29,634	30,299	30,977	31,565	32,171	32,794	33,414	34,040	34,668	35,303	35,943	36,589		2.11%
Load Factor	53.89%	53.77%	53.57%	53.28%	53.17%	52.94%	52.73%	52.41%	52.27%	52.04%	51.82%	51.50%	51.50%	51.40%	51.31%	51.10%	51.17%	51.12%	51.07%	50.88%	50.98%		

**Southeast Michigan Forecast
2005 - 2025**

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Growth Rate	Growth 2005 - 2025	
Energy Forecast (GWh)																								
Detroit Edison ¹	56,273	58,059	59,358	60,476	61,466	62,518	63,571	64,653	65,774	66,960	68,168	69,424	70,554	71,745	73,003	74,288	75,596	76,926	78,280	79,658	81,060	1.76%		
Wyandotte ²	285	291	295	300	305	309	314	319	324	330	339	349	359	369	379	389	400	412	423	435	447	2.80%		
Detroit Public Lighting ³	200	202	204	206	208	210	212	214	217	219	221	223	225	228	230	232	235	237	239	242	244	1.00%		
Total Southeast Michigan (GWh)	56,758	58,552	59,857	60,982	61,979	63,037	64,098	65,186	66,315	67,509	68,729	69,996	71,138	72,341	73,612	74,910	76,231	77,575	78,942	80,334	81,751		1.84%	
Demand Forecast (MW)																								
Detroit Edison ¹	12,472	12,815	13,093	13,332	13,565	13,803	14,038	14,289	14,561	14,848	15,125	15,410	15,600	15,798	16,006	16,214	16,424	16,638	16,854	17,073	17,295	1.30%		
Wyandotte ²	60	62	62	63	64	65	67	68	69	70	72	74	76	78	80	83	85	87	90	92	95	2.80%		
Detroit Public Lighting ³	19	19	19	20	20	20	20	21	21	21	21	21	21	22	22	22	22	23	23	23	23	1.00%		
Total Southeast Michigan (MW)	12,551	12,896	13,174	13,415	13,648	13,888	14,125	14,377	14,650	14,939	15,218	15,505	15,697	15,898	16,108	16,318	16,532	16,748	16,967	17,189	17,413		1.65%	

¹ Includes: Wolverine contract through 2006; Thumb contract through 2007; Detroit Public Lighting (DPL) contract through 2009; Croswell and Sebewaing contracts through 2010; does not include Wyandotte or DIG (Rouge). The Wolverine contract has been removed and included in the balance of the Lower Peninsula. Adjustment for Thumb, DPL, Croswell and Sebewaing for 2007-2014 assuming flat usage. From Spring 2005 forecast. Forecast of requirements.

² Data provided by municipal group. Forecast of requirements.

³ Data provided by municipal group and represents DPL's self-generation above contract purchase from Detroit Edison. Forecast of requirements.

**Balance of Lower Peninsula Forecast
2005-2025**

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Growth Rate	Growth 2005 - 2025
Consumers Energy ¹	41,459	42,212	43,148	44,112	44,936	45,734	46,567	47,517	48,237	49,074	49,917	50,881	51,609	52,460	53,314	54,162	55,010	55,858	56,706	57,554	58,402	848	Using annual GWh growth vs. factor.
Midwest Energy Cooperative ²	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	54	55	57	58	60		
City of Lansing	2,640	2,657	2,546	2,603	2,642	2,682	2,722	2,764	2,806	2,852	2,909	2,967	3,026	3,087	3,149	3,212	3,276	3,341	3,408	3,476	3,546	2,00%	
Lower Peninsula Municipals ³	3,799	3,933	4,073	4,219	4,372	4,531	4,697	4,872	5,054	5,245	5,415	5,591	5,773	5,961	6,154	6,354	6,561	6,774	6,994	7,221	7,456	3,25%	
Wolverine Power Cooperative ⁴	2,348	2,434	2,518	2,604	2,684	2,765	2,845	2,919	2,992	3,068	3,144	3,223	3,299	3,379	3,480	3,585	3,692	3,803	3,917	4,035	4,156	3,00%	
Alpena Power Company ⁵	293	295	297	300	302	304	306	309	311	313	316	318	321	323	325	328	330	333	335	338	340	0,75%	
Total Balance of Lower Peninsula (GWh)	50,576	51,570	52,621	53,877	54,977	56,058	57,180	58,424	59,444	60,598	61,747	63,029	64,077	65,259	66,474	67,693	68,923	70,164	71,417	72,882	73,959		1,92%

Demand Forecast (MW)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Growth Rate	Growth 2005 - 2025
Consumers Energy ¹	8,904	9,176	9,472	9,764	10,061	10,357	10,661	10,969	11,281	11,596	11,917	12,242	12,571	12,905	13,243	13,573	13,903	14,233	14,563	14,893	15,223	330	Using annual MW growth vs. factor.
Midwest Energy Cooperative ²	8	8	8	9	9	9	9	9	10	10	10	11	11	11	12	12	12	12	13	13	13		
City of Lansing	526	529	511	519	526	534	542	551	559	567	579	590	602	614	626	639	652	665	678	692	706	2,00%	
Lower Peninsula Municipals ³	745	762	782	801	822	841	861	881	900	920	950	981	1,013	1,046	1,080	1,115	1,151	1,189	1,227	1,267	1,308	3,25%	
Wolverine Power Cooperative ⁴	413	434	455	476	494	513	531	544	557	570	584	598	612	626	647	668	690	713	736	761	786	3,30%	
Alpena Power Company ⁵	56	56	57	57	58	59	59	60	61	62	62	63	63	64	65	65	66	66	66	66	67	0,90%	
Total Balance of Lower Peninsula (MW)	10,652	10,965	11,285	11,626	11,970	12,313	12,663	13,014	13,367	13,724	14,101	14,484	14,871	15,265	15,671	16,071	16,472	16,877	17,283	17,692	18,103		2,69%

¹ Includes MPSC jurisdictional deliveries including bundled and ROA loads; excludes wholesale customers; 1st five years of forecast based on various economic indicators, while remaining years are trended by class. Forecast of requirements.
² Based on Midwest's 2004 power requirements study update and includes Midwest's Michigan service area only; peak data is WVPA coincident peak. Forecast of requirements. REV1 includes adjustment to remove 110 MW of demand for 2005 and 93.2% (110/118 MW) of 2005 and beyond energy and demand.
³ Includes all Lower Peninsula municipals excluding Lansing, which has been reported separately. Forecast of requirements. REV1 includes adjustment to remove Cities of Paw Paw, Dowagiac, South Haven, Niles and Sturgis.
⁴ Based on Wolverine's 2004 demand and energy forecast; peak data is Wolverine coincident peak. Forecast of requirements.
⁵ Based on 2005-2009 forecast provided in MPSC Case No. U-14261. Forecast of requirements.

Updated Forecast

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Consumers Energy	41,459	42,212	43,148	44,112	44,936	45,734	46,567	47,517
Balance of Lower Peninsula	8,824	9,062	9,175	9,466	9,738	10,019	10,307	10,598
Total - GWh	50,283	51,274	52,324	53,578	54,675	55,754	56,874	58,115

MPSC Forecast

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Consumers Energy	40,126	41,067	41,976	42,944	43,903	44,865	45,827	46,789
Balance of Lower Peninsula	14,301	14,641	14,981	15,322	15,662	16,003	16,343	16,683
Remove Indiana Michigan Power Company	(3,380)	(3,473)	(3,567)	(3,665)	(3,764)	(3,867)	(3,973)	(4,081)
Total - GWh	51,047	52,235	53,390	54,598	55,801	57,001	58,197	59,391

Since I&M is part of AEP, which belongs to PJM, they will not be included in the updated forecast. Adjustment based on 1991-1996 MPSC data adjusted for growth.

I&M	1991	1992	1993	1994	1995	1996
I&M	1,715	2,437	2,551	2,663	2,715	2,714

2,73% Growth factor calculated from 1992-1996.

Difference

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Consumers Energy	1,333	1,145	1,172	1,171	1,033	869	740	728
Balance of Lower Peninsula	(5,477)	(5,579)	(5,306)	(5,356)	(5,924)	(6,084)	(6,036)	(6,085)
Total Difference - GWh	(4,144)	(4,434)	(4,633)	(4,685)	(4,890)	(5,114)	(5,296)	(5,357)
Total Difference - %	(8.24%)	(8.65%)	(8.85%)	(8.74%)	(8.94%)	(9.17%)	(9.31%)	(9.22%)

¹ The forecast data that was used in the MPSC forecast for Consumers was based upon retail sales vs. requirements. Further, the difference between Consumers' current forecast and the earlier one provided to the MPSC is primarily the result of changes in industrial sector growth.

Lower Peninsula Municipals including Lansing	Energy (GWh)	Demand (MW)
Lower Peninsula Municipals including Lansing	7,107	7,270
Energy (GWh)	7,310	7,526
Demand (MW)	7,730	7,942
Energy (GWh)	8,162	8,391
Demand (MW)	8,629	8,879
Energy (GWh)	1,404	1,426
Demand (MW)	1,429	1,459
Energy (GWh)	1,488	1,517
Demand (MW)	1,546	1,576
Energy (GWh)	1,606	1,636
Demand (MW)	1,606	1,636

Lower Peninsula Municipals excluding Lansing	Energy (GWh)	Demand (MW)
Lower Peninsula Municipals excluding Lansing	4,467	4,613
Energy (GWh)	4,764	4,923
Demand (MW)	5,088	5,260
Energy (GWh)	5,440	5,627
Demand (MW)	5,823	6,027
Energy (GWh)	878	897
Demand (MW)	918	940
Energy (GWh)	962	983
Demand (MW)	1,004	1,025
Energy (GWh)	1,047	1,069
Demand (MW)	1,069	1,099

Lower Peninsula Municipals excluding Paw Paw, Dowagiac, South Haven, Niles and Sturgis	Energy (GWh)	Demand (MW)
Lower Peninsula Municipals excluding Paw Paw, Dowagiac, South Haven, Niles and Sturgis	668	680
Energy (GWh)	692	704
Demand (MW)	717	730
Energy (GWh)	742	755
Demand (MW)	769	782

Energy (GWh)	2005	2006	2007	2008	2009	2010	2011	2012
Paw Paw	43	45	46	47	49	50	51	53
Dowagiac	85	86	87	88	90	91	92	93
South Haven	157	160	163	165	168	171	174	177
Niles	147	150	152	155	158	160	163	166
Sturgis	235	240	244	248	253	257	262	266
Total	668	680	692	704	717	730	742	755

Demand (MW)	2005	2006	2007	2008	2009	2010	2011	2012
Paw Paw	9	9	10	10	10	10	11	11
Dowagiac	15	16	16	16	16	16	17	17
South Haven	31	31	32	32	32	33	33	34
Niles	30	30	31	31	31	32	32	32
Sturgis	48	49	49	50	50	51	51	52
Total	133	135	137	138	140	141	143	147

Original	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Midwest Energy Cooperative - Energy GWh	548	562	575	588	601	613	628	644	659	674	690	706	722	739	756	774	795	815	836	856	878	
Midwest Energy Cooperative - Demand MW	118	122	125	128	131	133	137	140	144	147	151	155	158	162	166	170	175	180	185	189	194	
REV1																						
Midwest Energy Cooperative - Energy GWh	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	54	55	57	58	60	
Midwest Energy Cooperative - Demand MW	8	8	8	9	9	9	9	9	10	10	10	11	11	11	11	12	12	12	13	13	13	

**Upper Peninsula Forecast
205-2025**

Energy Forecast (GWh)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Growth Rate	Growth 2005 - 2025
Wisconsin Public Service Corporation ¹	332	332	341	349	358	368	377	386	395	404	413	421	429	437	445	452	460	467	475	484	494	2.02%	
Xcel ²	174	174	174	175	176	177	178	178	179	180	181	182	183	183	184	185	186	186	187	188	189	0.41%	
UPPCO ³	998	1,011	1,021	1,030	1,039	1,048	1,058	1,067	1,076	1,086	1,095	1,105	1,115	1,125	1,135	1,145	1,155	1,165	1,175	1,186	1,196		
City of Escanaba ⁴	156	158	160	162	165	167	169	171	173	176	178	180	183	185	188	190	193	195	198	201	203	1.33%	
We Energies ⁵	4,453	4,510	4,524	4,556	4,590	4,633	4,673	4,700	4,726	4,761	4,797	4,833	4,869	4,905	4,942	4,979	5,016	5,053	5,091	5,129	5,167	0.75%	
City of Marquette ⁶	336	341	346	351	356	362	367	373	378	384	390	395	401	407	413	419	426	432	438	445	451	1.48%	
Total Upper Peninsula (GWh)	6,448	6,526	6,565	6,624	6,684	6,754	6,821	6,875	6,929	6,991	7,053	7,116	7,180	7,243	7,306	7,370	7,434	7,499	7,564	7,632	7,701		0.89%
Demand Forecast (MW)	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Growth Rate	Growth 2005 - 2025
Wisconsin Public Service Corporation ¹	48	47	49	50	51	53	54	55	57	59	60	61	63	67	68	70	72	73	75	77	79	2.53%	
Xcel ²	31	31	31	31	31	32	32	32	32	32	32	32	32	32	32	33	33	33	33	33	33	0.32%	
UPPCO ³	149	150	151	153	154	156	157	158	159	160	162	164	165	166	167	168	170	171	173	174	175		
City of Escanaba ⁴	32	32	33	34	34	35	35	36	37	37	38	38	39	40	40	41	42	43	43	44	45	1.70%	
We Energies ⁵	582	585	587	592	596	602	607	610	614	618	622	627	631	635	639	643	648	652	656	661	665	0.67%	
City of Marquette ⁶	56	57	58	59	60	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	1.50%	
Total Upper Peninsula (MW)	898	903	910	918	926	938	946	953	962	971	979	988	997	1,008	1,016	1,025	1,036	1,044	1,054	1,063	1,073		0.89%

¹ Based on Forecast Fcst200410. Includes sales to Stephenson and Village of Daggett.

² Michigan load only. Forecast of requirements.

³ Based on Forecast F0408Upp Base Case = Integrated Load + Opportunity Sales. Includes sales to Alger Delta, Ontonagon, Baraga, Lanse, Gladstone and Negaunee.

⁴ Data provided by municipal group. Forecast of requirements.

⁵ Based on data provided by Wisconsin Electric and includes Edison Sault.

⁶ Data provided by municipal group. Forecast of requirements.

Note: Per discussion with Dennis Derricks, assumptions is that Bayfield Electric, Newberry and Wakefield have been included in forecast data.

Before losses:																							
WE Energies-Energy	4,336	4,392	4,405	4,437	4,469	4,511	4,550	4,577	4,602														
WE Energies-Demand	567	570	572	576	580	586	591	594	598														
	1,027																						
Adjusted for losses:																							
WE Energies-Energy	4,453	4,510	4,524	4,556	4,590	4,633	4,673	4,700	4,726														
WE Energies-Demand	582	585	587	592	596	602	607	610	614														