

**Schedule E1**

Michigan Public Service Commission  
 Michigan Gas Utilities  
 Annual Service Area Sales by Major Customer Classes and System Output  
 5-Year Projected

Case No.: U-15990  
 Exhibit No.: A-5 (HWJ-1)  
 Schedule: E1  
 Page: 1 of 1  
 Witness: Harry W. Johns

MCF-Calendar Sales

Line No.	(a) Year	(b) Residential	(c) Commercial	(d) Annual Sales		(e) Company Use	(f) Total	(g) Losses Millions Unit of Measure	(h) % of Output	(i) System Output Unit of Measure
		(1)	(2)	Industrial	Transportation					
1				(3)	(4)					
2	2010	13,123,713	5,344,258	517,832	11,668,058	70,504	30,724,365	91,962	0.30%	Mcf
3	2011	12,960,709	5,243,001	518,620	11,718,419	70,014	30,510,762	91,322	0.30%	Mcf
4	2012	12,848,678	5,159,270	524,308	11,700,871	69,536	30,302,663	90,699	0.30%	Mcf
5	2013	12,602,163	4,953,994	521,899	11,683,354	68,451	29,829,861	89,284	0.30%	Mcf
6	2014	12,409,409	4,827,875	522,701	11,665,867	67,679	29,493,532	88,278	0.30%	Mcf

Note 1: Residential = Residential General and Heating, all Lighting, and all Multi-Family  
 Note 2: Commercial = Small C&I General and Heating.  
 Note 3: Industrial = Large C&I General and Heating, and Special Contract.  
 Note 4: Transportation = TR-1, TR-2 and TR-3; all Aggregated Customers, and all Choice Customers



**Michigan Gas Utilities Corporation**  
**Projected Year Calendar Sales in MCF**  
**For the 12 Months Ending, December 31, 2010**

**Calendar Sales in MCF**

Ln	Rate Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1														
2	<u>Residential Rate</u>													
3	Residential General	47,733	40,464	37,385	20,997	8,435	5,044	5,152	4,937	4,137	14,785	26,015	41,828	256,910
4	Residential Heating	2,403,355	1,979,635	1,864,831	1,067,942	413,257	234,727	234,102	224,761	189,839	731,773	1,275,573	1,977,516	12,597,310
5	Residential Lighting	61	59	59	59	59	59	41	41	41	41	41	41	601
6	Total Residential	2,451,149	2,020,157	1,902,274	1,088,998	421,751	239,830	239,295	229,738	194,017	746,599	1,301,629	2,019,385	12,854,821
7														
8	<u>Multi-Family Rate</u>													
9	Meter Class I	4,393	3,913	3,657	2,574	1,724	1,126	987	992	965	2,085	2,819	3,699	28,934
10	Meter Class II	20,134	18,221	16,319	11,956	8,164	5,130	4,006	3,737	4,051	9,387	14,113	17,969	133,187
11	Meter Class III	5,158	4,384	3,870	2,883	1,755	1,279	1,024	950	1,030	2,598	3,629	4,701	33,263
12	Meter Class IV	13,376	10,353	9,241	6,372	4,040	2,544	2,234	1,547	1,643	3,300	6,746	10,183	71,579
13	Total Multi-Family	43,061	36,872	33,086	23,785	15,683	10,079	8,252	7,226	7,690	17,370	27,307	36,552	266,963
14														
15	<u>C&amp;I General Service Rate</u>													
16	Small General Service	977,678	823,975	749,637	439,986	193,623	125,472	131,447	122,641	134,370	329,300	534,995	781,134	5,344,258
17	Large General Service	85,766	70,459	68,973	42,289	22,361	13,704	17,236	15,062	18,352	34,345	53,033	76,252	517,832
18	Commercial Lighting	150	152	152	152	152	152	170	170	170	170	170	170	1,931
19														
20	Special Contracts	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Total C&I General Service	1,063,594	894,586	818,762	482,427	216,136	139,328	148,853	137,873	152,892	363,815	588,198	857,556	5,864,021
22														
23	<u>Transportation Service Rate</u>													
24	Transportation Rate TR-1	310,336	311,660	269,133	183,772	141,197	114,552	109,003	106,080	113,137	169,367	203,700	273,897	2,305,834
25	Additional Meters TR-1	0	0	0	0	0	0	0	0	0	0	0	0	0
26														
27	Transportation Rate TR-2	441,017	443,306	413,844	317,622	276,657	245,984	262,793	231,689	236,552	311,563	333,406	407,960	3,922,393
28	Additional Meters TR-2	0	0	0	0	0	0	0	0	0	0	0	0	0
29														
30	Transportation Rate TR-3	257,331	195,664	239,052	253,570	243,007	271,458	244,929	284,663	263,308	293,130	254,525	242,935	3,043,572
31	Additional Meters TR-3	0	0	0	0	0	0	0	0	0	0	0	0	0
32														
33	Remote Meter Reading Charge	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Administrative Charge	0	0	0	0	0	0	0	0	0	0	0	0	0
35														
36	Transport Aggregated-Residential	1,057	1,002	808	602	218	103	71	106	112	340	531	987	5,937
37	Transport Aggregated-Small C&I	155,539	156,431	126,143	77,944	38,805	24,741	15,765	15,006	16,826	34,432	73,473	126,249	861,354
38	Transport Aggregated-Large C&I	10,782	9,652	6,375	2,495	701	552	86	17	756	836	2,667	6,442	41,359
39														
40	Customer Choice-Residential	48,178	32,196	29,340	11,620	7,836	3,731	5,743	2,020	2,175	19,128	37,883	56,646	256,496
41	Customer Choice-Small C&I	212,251	149,265	136,859	54,964	33,429	16,103	27,091	27,858	21,359	159,701	179,309	212,925	1,231,114
42	Customer Choice-Large C&I	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Total Transportation	1,436,492	1,299,176	1,221,554	902,589	741,849	677,224	665,480	667,439	654,224	988,497	1,085,494	1,328,040	11,668,058
44														
45	Total Calendar Sales	4,994,296	4,250,791	3,975,675	2,497,799	1,395,419	1,066,461	1,061,881	1,042,276	1,008,823	2,116,281	3,002,629	4,241,533	30,653,863
46														
47	Total Transportation @ Customer Meter	1,436,492	1,299,176	1,221,554	902,589	741,849	677,224	665,480	667,439	654,224	988,497	1,085,494	1,328,040	11,668,058
48														
49	Total GCR Sales @ Customer Meter	3,557,804	2,951,615	2,754,122	1,595,210	653,570	389,237	396,400	374,837	354,599	1,127,784	1,917,134	2,913,493	18,985,805
50														
51	Company Use Gas	8,532	8,260	7,117	5,889	4,292	6,295	5,625	4,431	5,482	5,694	4,693	4,195	70,504
52														
53	Gas Lost & Unaccounted For	14,983	12,752	11,927	7,493	4,186	3,199	3,186	3,127	3,026	6,349	9,008	12,725	91,961
54														
55	Total GCR Gas @ Gate Station	3,581,319	2,972,627	2,773,165	1,608,591	662,047	398,730	405,211	382,395	363,107	1,139,827	1,930,836	2,930,413	19,148,270



**Michigan Gas Utilities Corporation  
 Projected Year Fixed Charge Count  
 For the 12 Months Ending, December 31, 2010**

**Calendar Fixed Charge Counts**

Ln	Rate Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1														
2	<u>Residential Rate</u>													
3	Residential General	4,053	4,055	3,973	3,992	3,991	4,003	3,940	3,934	3,878	3,886	3,915	3,933	47,553
4	Residential Heating	146,269	145,782	144,230	144,606	144,534	143,924	142,619	142,410	141,353	142,337	142,726	144,364	1,725,154
5	Residential Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Total Residential	150,322	149,837	148,203	148,598	148,525	147,927	146,559	146,344	145,231	146,223	146,641	148,297	1,772,707
7														
8	<u>Multi-Family Rate</u>													
9	Meter Class I	172	172	172	172	172	172	172	172	172	172	172	172	2,064
10	Meter Class II	291	291	291	291	291	291	291	291	291	291	291	291	3,492
11	Meter Class III	18	18	18	18	18	18	18	18	18	18	18	18	216
12	Meter Class IV	17	17	17	17	17	17	17	17	17	17	17	17	204
13	Total Multi-Family	498	498	498	498	498	498	498	498	498	498	498	498	5,976
14														
15	<u>C&amp;I General Service Rate</u>													
16	Small General Service	12,255	12,275	12,073	12,146	12,016	11,984	11,913	11,878	11,817	11,834	11,787	12,001	143,979
17	Large General Service	54	54	54	54	54	54	54	54	54	54	54	54	648
18	Commercial Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0
19														
20	Special Contracts	1	1	1	1	1	1	1	1	1	1	1	1	12
21	Total C&I General Service	12,310	12,330	12,128	12,201	12,071	12,039	11,968	11,933	11,872	11,889	11,842	12,056	144,639
22														
23	<u>Transportation Service Rate</u>													
24	Transportation Rate TR-1	114	114	114	114	114	114	114	114	114	114	114	114	1,368
25	Additional Meters TR-1	0	0	0	0	0	0	0	0	0	0	0	0	0
26														
27	Transportation Rate TR-2	39	39	39	40	40	40	40	40	40	40	40	39	476
28	Additional Meters TR-2	0	0	0	0	0	0	0	0	0	0	0	0	0
29														
30	Transportation Rate TR-3	6	6	6	6	6	6	6	6	6	6	6	6	72
31	Additional Meters TR-3	0	0	0	0	0	0	0	0	0	0	0	0	0
32														
33	Remote Meter Reading Charge	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Administrative Charge	0	0	0	0	0	0	0	0	0	0	0	0	0
35														
36	Transport Aggregated-Residential	24	24	24	24	24	24	24	24	24	24	24	24	288
37	Transport Aggregated-Small C&I	426	426	426	426	426	426	426	426	426	426	426	426	5,112
38	Transport Aggregated-Large C&I	5	5	5	5	5	5	5	5	5	5	5	5	60
39														
40	Customer Choice-Residential	3,857	3,913	3,928	3,928	3,928	3,928	3,928	3,928	3,928	3,935	3,973	4,011	47,185
41	Customer Choice-Small C&I	1,280	1,299	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,307	1,319	1,331	15,664
42	Customer Choice-Large C&I	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Total Transportation	5,751	5,826	5,846	5,847	5,847	5,847	5,847	5,847	5,847	5,857	5,907	5,956	70,225
44														
45	Total Fixed Charge Count	168,881	168,491	166,675	167,144	166,941	166,311	164,872	164,622	163,448	164,467	164,888	166,807	1,993,547



**Michigan Gas Utilities Corporation**  
**Historical Year Calendar Sales in MCF**  
**For the 12 Months Ended, December 31, 2008**

**Calendar Sales in MCF**

Ln	Rate Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1														
2	<u>Residential Rate</u>													
3	Residential General	51,484	55,744	47,504	16,417	10,259	6,578	278	6,281	5,034	16,307	28,592	53,781	298,259
4	Residential Heating	2,416,371	2,498,854	2,256,271	817,855	434,013	255,283	2,299	267,004	217,375	769,629	1,440,408	2,498,617	13,873,979
5	Residential Lighting	48	55	61	51	73	68	8	44	38	73	21	22	562
6	Total Residential	2,467,903	2,554,653	2,303,836	834,323	444,345	261,929	2,585	273,329	222,447	786,009	1,469,021	2,552,420	14,172,800
7														
8	<u>Multi-Family Rate</u>													
9	Meter Class I	4,896	4,505	4,698	2,068	1,902	1,059	202	911	834	2,507	2,932	4,318	30,833
10	Meter Class II	22,440	20,976	20,966	9,608	9,008	4,826	821	3,433	3,497	11,283	14,677	20,977	142,513
11	Meter Class III	5,749	5,047	4,972	2,317	1,937	1,203	210	873	889	3,124	3,773	5,488	35,582
12	Meter Class IV	14,908	11,919	11,872	5,121	4,457	2,394	458	1,421	1,419	3,967	7,016	11,888	76,840
13	Total Multi-Family	47,994	42,447	42,508	19,115	17,303	9,483	1,691	6,638	6,639	20,880	28,399	42,671	285,768
14														
15	<u>C&amp;I General Service Rate</u>													
16	Small General Service	974,891	1,112,062	950,977	358,684	124,609	114,173	18,040	115,696	131,733	328,720	532,562	941,713	5,703,860
17	Large General Service	63,112	77,798	121,437	30,192	34,144	4,803	19,066	17,551	38,432	34,953	40,641	71,346	553,475
18	Commercial Lighting	165	144	156	129	189	174	119	188	158	306	92	93	1,913
19														
20	Special Contracts	0	0	0	0	0	0	0	0	0	0	294	0	294
21	Total C&I General Service	1,038,168	1,190,004	1,072,570	389,005	158,942	119,150	37,225	133,435	170,323	363,979	573,589	1,013,152	6,259,542
22														
23	<u>Transportation Service Rate</u>													
24	Transportation Rate TR-1	220,372	283,185	282,075	171,748	129,816	102,370	86,415	86,163	85,673	108,892	151,417	223,172	1,931,298
25	Additional Meters TR-1	0	0	0	0	0	0	0	0	0	0	0	0	0
26														
27	Transportation Rate TR-2	424,780	466,915	439,633	301,126	276,573	262,337	236,413	246,590	240,955	297,166	332,271	386,626	3,911,386
28	Additional Meters TR-2	0	0	0	0	0	0	0	0	0	0	0	0	0
29														
30	Transportation Rate TR-3	349,321	357,979	321,044	263,461	297,598	319,611	324,580	309,831	343,575	397,651	376,606	378,918	4,040,175
31	Additional Meters TR-3	0	0	0	0	0	0	0	0	0	0	0	0	0
32														
33	Remote Meter Reading Charge	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Administrative Charge	0	0	0	0	0	0	0	0	0	0	0	0	0
35														
36	Transport Aggregated-Residential	874	902	963	576	506	189	90	71	111	139	377	645	5,443
37	Transport Aggregated-Small C&I	96,356	80,749	72,539	56,414	45,138	21,340	9,792	7,254	6,477	9,707	17,972	48,534	472,272
38	Transport Aggregated-Large C&I	6,571	7,785	6,854	3,148	1,823	659	134	87	72	120	695	2,332	30,280
39														
40	Customer Choice-Residential	0	0	0	0	0	0	0	7	7	21	3,085	21,700	24,819
41	Customer Choice-Small C&I	0	0	0	0	0	0	0	5,015	3,553	5,106	14,597	152,314	180,585
42	Customer Choice-Large C&I	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Total Transportation	1,098,274	1,197,515	1,123,108	796,474	751,453	706,507	657,423	655,018	680,424	818,803	897,019	1,214,242	10,596,259
44														
45	Total Calendar Sales	4,652,339	4,984,619	4,542,022	2,038,917	1,372,043	1,097,069	698,924	1,068,420	1,079,833	1,989,671	2,968,028	4,822,485	31,314,369



**Michigan Gas Utilities Corporation**  
**Historical Year Fixed Charge Count**  
**For the 12 Months Ended, December 31, 2008**

**Calendar Fixed Charge Counts**

Ln	Rate Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
1															
2	<u>Residential Rate</u>														
3	Residential General	4,032	4,033	3,946	3,949	3,969	3,984	3,916	3,917	3,856	3,865	3,876	3,890	47,233	
4	Residential Heating	148,249	147,834	146,326	146,753	146,617	146,022	144,731	144,517	143,479	144,449	144,695	146,001	1,749,673	
5	Residential Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Total Residential	152,281	151,867	150,272	150,702	150,586	150,006	148,647	148,434	147,335	148,314	148,571	149,891	1,796,906	
7															
8	<u>Multi-Family Rate</u>														
9	Meter Class I	190	188	188	187	188	185	183	184	180	181	173	172	2,199	
10	Meter Class II	295	294	291	292	292	290	296	294	291	291	291	292	3,509	
11	Meter Class III	18	17	16	17	17	17	17	17	17	17	18	18	206	
12	Meter Class IV	19	18	18	17	17	17	17	17	17	17	7	25	206	
13	Total Multi-Family	522	517	513	513	514	509	513	512	505	506	489	507	6,120	
14															
15	<u>C&amp;I General Service Rate</u>														
16	Small General Service	13,543	13,566	13,371	13,333	13,314	13,253	13,184	13,123	13,098	13,094	12,807	12,896	158,582	
17	Large General Service	55	53	55	60	59	52	59	58	58	57	53	54	673	
18	Commercial Lighting	0	0	0	0	0	0	0	0	0	0	0	0	0	
19															
20	Special Contracts	1	1	1	1	1	1	1	1	1	1	1	1	12	
21	Total C&I General Service	13,599	13,620	13,427	13,394	13,374	13,306	13,244	13,182	13,157	13,152	12,861	12,951	159,267	
22															
23	<u>Transportation Service Rate</u>														
24	Transportation Rate TR-1	143	92	89	90	90	90	89	90	90	89	90	93	1,135	
25	Additional Meters TR-1	56	40	39	38	38	37	37	36	35	33	32	32	453	
26															
27	Transportation Rate TR-2	52	37	34	34	34	34	34	34	34	34	34	34	429	
28	Additional Meters TR-2	19	13	13	13	13	13	13	13	14	14	14	14	166	
29															
30	Transportation Rate TR-3	13	9	9	9	9	9	9	9	9	9	9	9	112	
31	Additional Meters TR-3	9	7	7	7	7	7	7	7	7	7	7	7	86	
32															
33	Remote Meter Reading Charge	292	198	191	191	191	190	189	189	189	186	186	189	2,381	
34	Administrative Charge	208	138	132	133	133	133	132	133	133	132	133	136	1,676	
35															
36	Transport Aggregated-Residential	24	23	23	23	23	23	23	23	23	23	23	23	277	
37	Transport Aggregated-Small C&I	489	344	338	338	340	333	334	336	337	335	344	354	4,222	
38	Transport Aggregated-Large C&I	6	4	4	4	4	4	4	4	4	4	4	4	50	
39															
40	Customer Choice-Residential	3	3	3	13	5	5	5	5	5	8	205	540	800	
41	Customer Choice-Small C&I	35	35	28	91	45	47	44	44	44	61	305	466	1,245	
42	Customer Choice-Large C&I	0	0	0	0	0	0	0	0	0	0	0	0	0	
43	Total Transportation	1,349	943	910	984	932	925	920	923	924	935	1,386	1,901	13,032	
44															
45	Total Fixed Charge Count (1)	167,751	166,947	165,122	165,593	165,406	164,746	163,324	163,051	161,921	162,907	163,307	165,250	1,975,325	
46															
47															
48	Total Transportation and Total Fixed Charge Count include Additional Meter Counts from Lines 16, 18, and 20, Remote Meter Reading Counts from line 21 and Administrative Charge Counts from line 22.														
49															
50															
51	Less: Remote Meter Reading	292	198	191	191	191	190	189	189	189	186	186	189	2,381	
52	Less: Administrative Charge	208	138	132	133	133	133	132	133	133	132	133	136	1,676	
53	Less: Additional Meters TR-1	56	40	39	38	38	37	37	36	35	33	32	32	453	
54	Less: Additional Meters TR-2	19	13	13	13	13	13	13	13	14	14	14	14	166	
55	Less: Additional Meters TR-3	9	7	7	7	7	7	7	7	7	7	7	7	86	
56															
57	Net Meter Counts	167,167	166,551	164,740	165,211	165,024	164,366	162,946	162,673	161,543	162,535	162,935	164,872	1,970,563	

