

## Summary of DWSD Billable Water Volumes - Mcf

	Historical Billed Volume					Projected Volume		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 10-11	FY 11-12	FY 12-13
<b>First Wave</b>								
1 Allen Park	150,967	145,613	136,013	125,405	116,891	140,000	140,000	140,000
2 Belleville	19,513	19,220	18,959	18,075	18,312	20,000	20,000	20,000
3 Canton Township	426,036	441,601	419,557	344,611	380,222	431,500	431,500	431,500
4 Center Line	45,801	26,882	18,781	30,002	35,715	41,000	41,000	41,000
5 Dearborn Heights	266,469	247,988	246,273	222,323	229,161	247,600	247,600	247,600
6 Eastpointe	170,687	143,797	131,510	125,627	122,199	134,800	134,800	134,800
7 Ferndale	94,386	101,889	67,452	72,442	74,352	80,000	85,000	90,000
8 Fraser	87,422	85,990	73,292	69,817	72,656	75,900	75,900	75,900
9 Northville	35,063	34,377	32,921	29,066	31,674	35,000	35,000	35,000
10 Northville Township	170,030	171,593	171,563	157,117	160,112	183,000	183,000	183,000
11 Orion Township	165,570	168,388	142,996	124,619	125,535	170,000	170,000	170,000
12 Plymouth	48,106	47,366	46,844	43,819	44,389	49,500	49,500	49,500
13 Roseford Township	212,951	212,239	201,764	182,559	192,101	210,000	210,000	210,000
14 Roseville	236,542	232,491	211,459	201,193	202,969	221,100	221,100	221,100
15 St. Clair Shores	279,684	291,292	253,742	246,914	266,800	297,200	296,000	294,800
16 Sterling Heights	811,686	786,726	709,423	616,493	683,223	750,000	765,000	780,000
17 Taylor	345,827	345,258	350,536	301,470	335,348	360,000	360,000	360,000
18 Troy	613,675	560,578	493,676	448,677	484,895	576,000	576,000	576,000
19 Utica	26,706	30,042	28,835	28,283	19,034	30,000	30,000	30,000
20 Van Buren Township	156,632	152,770	145,323	131,732	143,017	160,000	160,000	160,000
21 Washington Township	73,268	80,740	69,249	60,723	64,995	87,000	87,000	87,000
22 Wayne	151,440	159,509	144,720	138,581	115,880	145,000	145,000	145,000
23 West Bloomfield Township	398,875	376,301	327,207	305,949	323,266	400,000	400,025	400,050
24 Wixom	111,237	86,932	80,810	76,911	81,412	99,500	101,000	105,000
25 Woodhaven	94,648	94,695	88,734	79,296	77,178	90,000	90,000	90,000
26 Ypsilanti Coll Util Auth	637,748	628,583	593,257	547,257	514,036	600,000	595,000	595,000
26 Subtotal	5,830,969	5,652,858	5,204,895	4,728,961	4,915,367	5,634,100	5,649,425	5,672,250
<b>2nd Wave</b>								
1 Ash Township	43,332	42,589	42,759	40,701	41,014	44,600	41,200	41,200
2 Auburn Hills	207,866	230,055	200,500	182,200	199,984	240,000	180,000	180,000
3 Berlin Township	32,388	30,673	29,315	27,667	27,482	33,600	27,500	27,500
4 Brownstown Township	145,057	152,622	148,855	130,004	136,853	152,300	133,500	133,500
5 Clinton Township	525,302	538,019	498,842	459,129	463,725	525,000	475,000	475,000
6 Farmington	61,639	63,248	56,618	53,155	53,497	65,000	53,700	53,700
7 Farmington Hills	517,495	475,880	439,248	415,587	406,750	515,000	420,000	420,000
8 Garden City	114,552	98,025	96,548	88,996	83,926	100,000	86,000	86,000
9 Grosse Pt. Woods	96,946	99,655	88,526	83,948	91,482	105,000	85,000	85,000
10 Huron Township	67,974	68,694	64,748	60,843	66,180	69,400	62,600	62,600
11 Keego Harbor	15,464	14,503	13,145	11,874	12,084	15,000	11,800	11,800
12 Lenox Township	16,789	17,618	15,375	15,826	14,644	17,500	15,300	15,300
13 Livonia	618,521	622,281	573,495	573,452	570,035	625,000	573,400	573,400
14 Macomb Township	400,811	412,648	356,938	362,278	371,617	410,000	380,000	380,000
15 Madison Heights	191,662	196,872	174,145	152,881	157,815	200,000	167,200	175,600
16 Melvindale	55,032	51,187	54,094	47,052	44,650	50,000	50,000	50,000
17 Novi	324,076	321,180	291,746	272,940	289,650	325,000	281,800	281,800
18 Oak Park	132,524	124,740	117,044	117,300	116,687	140,000	117,000	117,000
19 Oakland Co. Drain Comm.	15,742	13,476	12,405	8,205	7,162	10,000	12,000	12,000
20 Plymouth Township	156,404	172,093	188,227	173,280	186,298	165,000	165,000	165,000
21 Rochester Hills	444,180	442,814	396,043	383,384	387,655	445,000	410,000	410,000
22 Rockwood	16,107	15,169	14,501	14,435	14,414	16,000	15,300	15,300
23 Romulus	242,883	240,030	209,804	203,786	227,246	279,000	213,200	213,200
24 S O C W A **	1,663,650	1,627,575	1,470,142	1,433,008	1,414,188	1,665,000	1,476,000	1,476,000
25 South Rockwood	5,325	5,709	5,329	6,092	5,449	5,100	4,900	4,900
26 Southgate	147,529	152,192	153,272	133,272	133,638	155,000	140,000	140,000
27 Walled Lake	39,723	38,980	36,207	30,230	34,145	40,000	35,000	35,000
28 Westland	391,210	398,331	357,837	303,650	349,154	395,000	301,400	301,400
28 Subtotal	6,690,181	6,666,856	6,105,707	5,785,172	5,907,423	6,807,500	5,933,800	5,942,200

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## Summary of DWSD Billable Water Volumes - Mcf

	Historical Billed Volume					Projected Volume		
	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 10-11	FY 11-12	FY 12-13
<b>3rd Wave</b>								
1 Commerce Township	119,471	119,139	110,839	101,328	103,995	115,000	115,000	115,000
2 Ecorse	155,264	150,063	133,917	123,949	139,272	137,500	147,500	147,500
3 Flat Rock	65,401	68,979	66,633	64,582	64,231	68,000	68,000	68,000
4 Grosse Pt. Shores	25,703	25,080	19,305	19,166	19,718	22,500	22,500	22,500
5 Hamtramck	76,157	72,399	69,260	38,963	64,777	70,000	71,000	71,000
6 Harper Woods	68,280	68,435	64,499	66,932	62,932	65,000	67,000	67,000
7 Harrison Township	113,850	110,021	105,618	114,414	99,152	107,500	110,000	110,000
8 Hazel Park	68,375	64,239	57,763	57,024	55,599	60,000	60,000	60,000
9 New Haven, Village of	15,494	15,003	14,431	14,176	17,336	15,000	15,000	15,000
10 Pontiac	435,799	516,044	399,961	350,183	321,048	405,000	405,000	405,000
11 River Rouge	82,754	72,529	63,453	73,007	62,707	65,000	65,000	65,000
12 Royal Oak Township	15,587	14,733	14,779	12,919	12,436	15,000	15,000	15,000
13 Shelby Township	452,692	464,272	418,295	408,562	432,413	435,000	455,000	455,000
14 St. Clair County-Burtchville T	8,937	8,724	7,398	7,921	7,884	7,500	8,000	8,000
15 Sumpter Township	40,385	40,788	38,371	34,256	32,685	40,000	34,000	34,000
16 Sylvan Lake	8,507	8,538	7,901	7,288	7,700	8,000	8,500	8,500
17 Warren	939,949	977,816	792,950	795,376	829,583	825,000	825,000	825,000
17 Subtotal	2,692,605	2,796,803	2,385,372	2,290,047	2,333,467	2,461,000	2,491,500	2,491,500
<b>Old Contract</b>								
1 Chesterfield Township	203,524	213,021	188,154	183,824	183,212	200,000	190,000	182,500
2 Dearborn	729,019	809,540	644,284	766,652	700,193	672,500	700,000	700,000
3 Flint	1,449,578	1,437,361	1,369,646	1,194,396	1,310,873	1,400,000	1,275,000	1,275,000
4 Gibraltar	26,619	24,672	19,041	17,976	20,765	20,000	19,000	20,000
5 Greater Lapeer C.U.A.	115,371	117,061	113,706	110,741	108,407	115,000	110,000	110,000
6 Grosse Ile Township	66,066	64,455	72,537	61,183	55,414	64,500	63,500	55,000
7 Grosse Pt. Park	67,519	69,426	65,419	61,368	67,409	67,500	61,000	65,000
8 Inkster	126,104	131,301	123,864	113,690	122,872	127,500	110,000	122,500
9 Lincoln Park	205,706	206,208	191,034	171,255	180,306	199,000	182,500	178,000
10 Riverview	67,749	66,293	62,630	64,216	56,852	63,000	63,000	57,500
11 Romeo	12,132	12,566	11,466	10,386	11,146	12,000	11,000	11,000
12 St. Clair County-Greenwood	4,669	16,671	10,674	8,825	19,608	12,000	10,000	15,000
13 Trenton	130,093	120,453	113,666	107,620	101,370	117,500	100,000	100,000
13 Subtotal	3,204,150	3,289,028	2,986,119	2,872,130	2,938,426	3,070,500	2,895,000	2,891,500
84 Total Wholesale	18,417,905	18,405,545	16,682,093	15,676,308	16,094,683	17,973,100	16,969,725	16,997,450
Detroit Retail	4,672,821	4,145,463	4,138,133	3,923,976	4,176,579	4,100,000	4,100,000	4,100,000
Total System	23,090,727	22,551,008	20,820,226	19,600,285	20,271,262	22,073,100	21,069,725	21,097,450

**Summary of Wholesale Meter Inventory  
Rate Year 2012-13**

	<u>Meter Count</u>	<u>Equivalent Meters</u>	<u>Weighted Avg. Meter Distance</u>	<u>Weighted Avg. Meter Elevation</u>	<u>Prior Distance</u>	<u>Prior Elevation</u>	<u>Change in Distance</u>	<u>Change in Elevation</u>	
1	Allen Park	16	961	21.0	602	21.0	602	-	-
2	Ash Township	2	160	29.9	635	29.9	635	-	-
3	Auburn Hills	9	856	28.8	954	28.8	954	-	-
4	Belleville	2	123	32.5	677	32.6	682	(0.1)	(5)
5	Berlin Township	4	211	34.6	598	34.6	598	-	-
6	Brownstown Township	6	523	28.5	601	28.6	602	(0.1)	(1)
7	Canton Township	8	1,820	32.2	741	32.2	741	-	-
8	Center Line	1	285	18.0	623	18.0	623	-	-
9	Chesterfield Township	6	725	28.3	617	28.3	617	-	-
10	Clinton Township	6	1,226	22.8	607	22.8	607	-	-
11	Commerce Township	3	520	31.4	977	31.4	977	-	-
12	Dearborn	1	0	20.3	605	20.3	605	-	-
13	Dearborn Heights	11	625	22.4	624	22.4	624	-	-
14	Eastpointe	2	1,013	18.1	612	18.1	612	-	-
15	Ecorse	1	285	20.1	591	20.1	591	-	-
16	Farmington	4	358	27.1	760	27.1	760	-	-
17	Farmington Hills	17	2,922	27.4	787	27.4	787	-	-
18	Ferndale	2	568	18.2	643	18.2	643	-	-
19	Flat Rock	3	335	29.7	601	29.7	602	-	(1)
20	Flint	2	3,600	52.0	866	52.0	866	-	-
21	Fraser	6	334	21.0	617	21.0	617	-	-
22	Garden City	6	491	25.0	638	25.0	638	-	-
23	Gibraltar	4	176	30.9	588	30.9	588	-	-
24	Greater Lapeer C.U.A.	9	1,150	47.0	849	47.3	851	(0.3)	(2)
25	Grosse Ile Township	2	400	27.0	584	27.0	584	-	-
26	Grosse Pt. Park	5	291	18.0	583	18.0	583	-	-
27	Grosse Pt. Shores	4	283	18.9	587	18.9	587	-	-
28	Grosse Pt. Woods	5	461	18.9	587	18.9	587	-	-
29	Hamtramck	16	691	16.7	633	16.7	633	-	-
30	Harper Woods	8	357	18.4	598	18.4	598	-	-

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THE FOSTER GROUP

**Summary of Wholesale Meter Inventory  
Rate Year 2012-13**

	<u>Meter Count</u>	<u>Equivalent Meters</u>	<u>Weighted Avg. Meter Distance</u>	<u>Weighted Avg. Meter Elevation</u>	<u>Prior Distance</u>	<u>Prior Elevation</u>	<u>Change in Distance</u>	<u>Change in Elevation</u>
31 Harrison Township	2	440	24.0	587	23.5	590	0.5	(3)
32 Hazel Park	7	554	18.1	639	18.1	639	-	-
33 Huron Township	3	278	29.9	635	29.9	635	-	-
34 Inkster	4	393	24.4	638	24.4	638	-	-
35 Keego Harbor	2	123	29.1	942	29.1	942	-	-
36 Lenox Twp	2	400	30.5	619	30.5	619	-	-
37 Lincoln Park	4	813	20.4	593	20.4	593	-	-
38 Livonia	14	2,527	26.2	688	26.2	688	-	-
39 Macomb Township	5	1,050	26.8	622	26.8	622	-	-
40 Madison Heights	2	755	19.4	629	19.4	629	-	-
41 Melvindale	6	541	19.9	594	19.9	594	-	-
42 New Haven	2	105	29.8	613	29.8	613	-	-
43 Northville	4	211	31.1	836	31.1	836	-	-
44 Northville Township	7	521	30.5	855	30.5	855	-	-
45 Novi	9	1,919	31.4	936	31.4	936	-	-
46 Oak Park	1	285	19.7	669	19.7	669	-	-
47 Oakland Co. Drain Comm	1	115	20.4	617	20.4	617	-	-
48 Orion Twp	1	285	31.1	1,064	31.1	1,064	-	-
49 Plymouth	3	203	30.8	750	30.8	750	-	-
50 Plymouth Township	4	323	31.3	794	31.3	794	-	-
51 Pontiac	3	2,005	27.5	930	27.5	930	-	-
52 Redford Township	19	1,829	22.6	635	22.6	635	-	-
53 River Rouge	5	431	19.4	585	19.4	585	-	-
54 Riverview	4	146	25.3	594	25.3	594	-	-
55 Rochester Hills	9	2,385	26.9	840	26.9	840	-	-
56 Rockwood	2	88	32.7	592	32.7	592	-	-
57 Romeo	1	155	32.2	789	32.2	789	-	-
58 Romulus	10	944	27.3	652	27.3	652	-	-
59 Roseville	2	885	19.0	620	19.1	620	(0.1)	-
60 Royal Oak Township	4	146	19.2	670	19.2	670	-	-

**Summary of Wholesale Meter Inventory  
Rate Year 2012-13**

	<u>Meter Count</u>	<u>Equivalent Meters</u>	<u>Weighted Avg. Meter Distance</u>	<u>Weighted Avg. Meter Elevation</u>	<u>Prior Distance</u>	<u>Prior Elevation</u>	<u>Change in Distance</u>	<u>Change in Elevation</u>	
61	S O C W A	17	5,156	22.3	737	22.3	737	-	-
62	Shelby Township	9	1,246	26.4	694	26.4	694	-	-
63	South Rockwood	2	88	33.4	586	33.4	586	-	-
64	Southgate	5	361	23.7	601	24.0	603	(0.3)	(2)
65	Sterling Heights	17	3,218	22.3	632	22.3	632	-	-
66	St. Clair County-Greenw	2	438	45.4	774	45.4	774	-	-
67	St. Clair County-Burtchvi	2	105	47.2	620	47.2	620	-	-
68	St. Clair Shores	6	1,239	20.2	594	20.2	594	-	-
69	Sumpter Township	2	123	32.9	663	32.9	663	-	-
70	Sylvan Lake	2	105	29.1	938	29.1	938	-	-
71	Taylor	8	1,086	23.5	617	23.5	616	-	1
72	Trenton	2	1,185	25.8	596	25.8	596	-	-
73	Troy	11	2,694	24.3	755	24.3	755	-	-
74	Utica	1	155	24.4	660	24.4	660	-	-
75	Van Buren Township	8	1,068	32.5	677	32.6	682	(0.1)	(5)
76	Walled Lake	2	123	31.7	959	31.7	959	-	-
77	Warren	15	2,292	18.0	623	18.0	623	-	-
78	Washington Township	3	278	29.6	754	29.6	754	-	-
79	Wayne	1	600	25.9	646	25.9	646	-	-
80	West Bloomfield Townsh	16	2,408	28.5	923	28.5	923	-	-
81	Westland	17	1,941	26.2	654	26.2	654	-	-
82	Woodhaven	4	246	28.3	597	28.3	597	-	-
83	Ypsilanti Comm Util Autl	4	1,930	35.8	726	35.8	726	-	-
84	Wixom	1	155	33.9	944	33.9	944	-	-
85	Total Wholesale		70,845						

Detroit Water and Sewerage Department  
Comparison of Contract Demand Proxies for FY 2012-13 Water Rates  
Demand Figures in mgd (million gallons per day)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	FY 2011-12 Rate Study			FY 2012-13 Rate Study			Variance			%Variance		
	Annual - Mcf	Max Day	Peak Hour	Annual - Mcf	Max Day	Peak Hour	Annual - Mcf	Max Day	Peak Hour	Annual - Mc	Max Day	Peak Hour
<b>First Wave</b>												
1 Allen Park	140,000	6.20	8.70	140,000	6.20	8.70	-	-	-	-	-	-
2 Belleville	20,000	0.65	1.00	20,000	0.65	1.00	-	-	-	-	-	-
3 Canton Township	431,500	22.50	36.00	431,500	22.50	36.00	-	-	-	-	-	-
4 Center Line	41,000	1.30	2.05	41,000	1.30	2.05	-	-	-	-	-	-
5 Dearborn Heights	247,600	9.40	13.30	247,600	9.40	13.30	-	-	-	-	-	-
6 Eastpointe	134,800	4.20	5.90	134,800	4.20	5.90	-	-	-	-	-	-
7 Ferndale	85,000	3.00	3.75	90,000	3.00	3.75	5,000	-	-	5.9%	-	-
8 Fraser	75,900	3.10	4.90	75,900	3.10	4.90	-	-	-	-	-	-
9 Northville	35,000	1.59	1.75	35,000	1.59	1.75	-	-	-	-	-	-
10 Northville Township	183,000	11.20	18.10	183,000	11.20	18.10	-	-	-	-	-	-
11 Orion Township	170,000	8.50	12.00	170,000	8.50	12.00	-	-	-	-	-	-
12 Plymouth	49,500	1.81	2.62	49,500	1.81	2.62	-	-	-	-	-	-
13 Redford Township	210,000	7.90	11.50	210,000	7.90	11.50	-	-	-	-	-	-
14 Roseville	221,100	6.80	9.20	221,100	6.80	9.20	-	-	-	-	-	-
15 St. Clair Shores	296,000	9.10	13.20	294,800	9.10	13.20	(1,200)	-	-	-0.4%	-	-
16 Sterling Heights	765,000	40.00	60.00	780,000	40.00	60.00	15,000	-	-	2.0%	-	-
17 Taylor	360,000	13.00	16.30	360,000	13.00	16.30	-	-	-	-	-	-
18 Troy	576,000	28.00	38.00	576,000	28.00	38.00	-	-	-	-	-	-
19 Utica	30,000	1.18	1.93	30,000	1.18	1.93	-	-	-	-	-	-
20 Van Buren Township	160,000	6.90	7.20	160,000	6.90	7.20	-	-	-	-	-	-
21 Washington Township	87,000	5.25	8.50	87,000	5.25	8.50	-	-	-	-	-	-
22 Wayne	145,000	8.28	8.28	145,000	8.28	8.28	-	-	-	-	-	-
23 West Bloomfield Township	400,025	23.00	37.00	400,050	23.00	37.00	25	-	-	0.0%	-	-
24 Wixom	101,000	5.00	5.00	105,000	5.00	5.00	4,000	-	-	4.0%	-	-
25 Woodhaven	90,000	4.80	8.00	90,000	4.80	8.00	-	-	-	-	-	-
26 Ypsilanti Comm Util Auth	595,000	25.00	25.00	595,000	25.00	25.00	-	-	-	-	-	-
26 Subtotal	5,649,425	257.66	359.18	5,672,250	257.66	359.18	22,825	-	-	0.4%	0.0%	0.0%
<b>2nd Wave</b>												
1 Ash Township	41,200	1.57	2.10	41,200	1.57	2.10	-	-	-	-	-	-
2 Auburn Hills	180,000	10.02	11.57	180,000	10.02	11.57	-	-	-	-	-	-
3 Berlin Township	27,500	1.36	2.18	27,500	1.36	2.18	-	-	-	-	-	-
4 Brownstown Township	133,500	7.20	11.30	133,500	7.20	11.30	-	-	-	-	-	-
5 Clinton Township	475,000	21.40	24.90	475,000	21.40	24.90	-	-	-	-	-	-
6 Farmington	53,700	2.25	2.45	53,700	2.25	2.45	-	-	-	-	-	-
7 Farmington Hills	420,000	21.00	38.00	420,000	21.00	38.00	-	-	-	-	-	-
8 Garden City	86,000	3.35	5.35	86,000	3.35	5.35	-	-	-	-	-	-
9 Grosse Pt. Woods	85,000	4.96	4.96	85,000	4.96	4.96	-	-	-	-	-	-
10 Huron Township	62,600	3.42	5.29	62,600	3.42	5.29	-	-	-	-	-	-
11 Keego Harbor	11,800	0.45	0.65	11,800	0.45	0.65	-	-	-	-	-	-
12 Lenox Township	15,300	0.53	0.85	15,300	0.53	0.85	-	-	-	-	-	-
13 Livonia	573,400	31.90	39.60	573,400	31.90	39.60	-	-	-	-	-	-
14 Macomb Township	380,000	28.00	40.00	380,000	28.00	40.00	-	-	-	-	-	-
15 Madison Heights	167,200	5.65	7.15	175,600	5.65	7.15	8,400	-	-	5.0%	-	-
16 Melvindale	50,000	1.70	2.30	50,000	1.70	2.30	-	-	-	-	-	-
17 Novi	281,800	17.30	25.50	281,800	17.30	25.50	-	-	-	-	-	-
18 Oak Park	117,000	4.10	4.10	117,000	4.10	4.10	-	-	-	-	-	-
19 Oakland Co. Drain Comm.	12,000	0.25	0.25	12,000	0.25	0.25	-	-	-	-	-	-
20 Plymouth Township	165,000	11.15	14.89	165,000	11.15	14.89	-	-	-	-	-	-
21 Rochester Hills	410,000	23.80	37.40	410,000	23.80	37.40	-	-	-	-	-	-
22 Rockwood	15,300	0.56	0.90	15,300	0.56	0.90	-	-	-	-	-	-
23 Romulus	213,200	8.02	10.44	213,200	8.02	10.44	-	-	-	-	-	-
24 S O C W A **	1,476,000	70.00	70.00	1,476,000	70.00	70.00	-	-	-	-	-	-
25 South Rockwood	4,900	0.17	0.28	4,900	0.17	0.28	-	-	-	-	-	-
26 Southgate	140,000	6.10	8.10	140,000	6.10	8.10	-	-	-	-	-	-
27 Walled Lake	35,000	1.30	1.80	35,000	1.30	1.80	-	-	-	-	-	-
28 Westland	301,400	13.10	18.70	301,400	13.10	18.70	-	-	-	-	-	-
28 Subtotal	5,933,800	300.61	391.01	5,942,200	300.61	391.01	8,400	-	-	0.1%	-	-

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Detroit Water and Sewerage Department  
 Comparison of Contract Demand Proxies for FY 2012-13 Water Rates  
 Demand Figures in mgd (million gallons per day)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	FY 2011-12 Rate Study			FY 2012-13 Rate Study			Variance			%Variance		
	Annual - Mcf	Max Day	Peak Hour	Annual - Mcf	Max Day	Peak Hour	Annual - Mcf	Max Day	Peak Hour	Annual - Mc	Max Day	Peak Hour
<b>3rd Wave</b>												
1 Commerce Township	115,000	7.09	12.78	115,000	7.09	12.78	-	-	-	-	-	-
2 Ecorse	147,500	4.56	5.08	147,500	4.56	5.08	-	-	-	-	-	-
3 Flat Rock	68,000	2.76	3.89	68,000	2.76	3.89	-	-	-	-	-	-
4 Grosse Pt. Shores	22,500	1.43	2.34	22,500	1.43	2.34	-	-	-	-	-	-
5 Hamtramck	71,000	2.05	2.83	71,000	2.05	2.83	-	-	-	-	-	-
6 Harper Woods	67,000	2.67	4.46	67,000	2.67	4.46	-	-	-	-	-	-
7 Harrison Township	110,000	4.81	6.13	110,000	4.81	6.13	-	-	-	-	-	-
8 Hazel Park	60,000	2.35	3.54	60,000	2.35	3.54	-	-	-	-	-	-
9 New Haven, Village of	15,000	0.70	1.20	15,000	0.70	1.20	-	-	-	-	-	-
10 Pontiac	405,000	13.00	13.00	405,000	13.00	13.00	-	-	-	-	-	-
11 River Rouge	65,000	2.16	2.59	65,000	2.16	2.59	-	-	-	-	-	-
12 Royal Oak Township	15,000	0.68	0.86	15,000	0.68	0.86	-	-	-	-	-	-
13 Shelby Township	455,000	26.23	50.00	455,000	26.23	50.00	-	-	-	-	-	-
14 St. Clair County-Burtchville T	8,000	0.34	0.55	8,000	0.34	0.55	-	-	-	-	-	-
15 Sumpter Township	34,000	1.39	2.35	34,000	1.39	2.35	-	-	-	-	-	-
16 Sylvan Lake	8,500	0.37	0.51	8,500	0.37	0.51	-	-	-	-	-	-
17 Warren	825,000	37.07	52.16	825,000	37.07	52.16	-	-	-	-	-	-
17 Subtotal	2,491,500	109.66	164.27	2,491,500	109.66	164.27	-	-	-	-	-	-
<b>Old Contract</b>												
1 Chesterfield Township	190,000	10.85	14.66	182,500	10.57	14.28	(7,500)	(0.28)	(0.38)	-3.9%	-2.6%	-2.6%
2 Flint	1,275,000	47.13	49.28	1,275,000	47.65	49.83	-	0.52	0.54	-	1.1%	1.1%
3 Gibraltar	19,000	0.89	1.33	20,000	0.94	1.41	1,000	0.06	0.08	5.3%	6.3%	6.3%
4 Greater Lapeer C.U.A.	110,000	4.29	5.42	110,000	4.33	5.47	-	0.04	0.05	-	0.9%	0.9%
5 Grosse Ile Township	63,500	3.45	5.83	55,000	3.05	5.15	(8,500)	(0.40)	(0.68)	-13.4%	-11.6%	-11.6%
6 Grosse Pt. Park	61,000	3.32	5.25	65,000	3.55	5.62	4,000	0.23	0.37	6.6%	7.1%	7.1%
7 Inkster	110,000	4.13	5.41	122,500	4.64	6.08	12,500	0.51	0.67	11.4%	12.5%	12.5%
8 Lincoln Park	182,500	8.07	11.85	178,000	7.94	11.66	(4,500)	(0.13)	(0.19)	-2.5%	-1.6%	-1.6%
9 Riverview	63,000	3.08	4.30	57,500	2.87	4.01	(5,500)	(0.21)	(0.29)	-8.7%	-6.8%	-6.8%
10 Romeo	11,000	0.53	0.83	11,000	0.54	0.84	-	0.01	0.01	-	1.0%	1.0%
11 St. Clair County-Greenwood	10,000	1.35	1.35	15,000	1.35	1.35	5,000	-	-	50.0%	-	-
12 Trenton	100,000	4.80	6.55	100,000	4.91	6.70	-	0.11	0.15	-	2.2%	2.2%
12 Subtotal	2,195,000	91.89	112.06	2,191,500	92.34	112.39	(3,500)	0.45	0.33	-0.2%	0.5%	0.3%
83 Total Suburban Master Meter	16,269,725	759.82	1,026.52	16,297,450	760.28	1,026.85	27,725	0.45	0.33	0.2%	0.1%	0.0%
Detroit/Dearborn	6,569,300	253.36	284.16	6,569,300	255.70	286.50	-	2.33	2.33	-	0.9%	0.8%
Subtotal	22,839,025	1,013.19	1,310.68	22,866,750	1,015.97	1,313.35	27,725	2.79	2.67	0.1%	0.3%	0.2%
Non-Revenue Water	2,162,300	44.31	44.32	2,026,300	41.53	41.65	(136,000)	(2.79)	(2.67)	-6.3%	-6.3%	-6.0%
Total System	25,001,325	1,057.50	1,355.00	24,893,050	1,057.50	1,355.00	(108,275)	(0.00)	(0.00)	-0.4%	0.0%	0.0%

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Detroit Water and Sewerage Department  
 Calculation of Demand Proxies for "Old Contract" Customers FY 2012-13 Water Rates  
 All Figures in mgd (million gallons per day)

(1)      (2)      (3)      (4)      (5)      (6)      (7)      (8)      (9)      (10)      (11)

	Average Daily Flow			Recent Max		Uniform Adj Factor		Baseline Contract Flow		FY 2012-13 Proxies	
	Recent	FY 2012-13	Adj Factor	Max Day	Non-Coin PF	Max Day	Non-Coin PF	Max Day	Peak Hour	Max Day	Peak Hour
			(2)/(1)					(4)*[1+(6)]	(5)*[1+(7)]	(8)*(3)	(9)*(3)
1 Chesterfield Township	4.24	3.74	0.88	9.98	13.48	20%	20%	11.98	16.17	<b>10.57</b>	<b>14.28</b>
2 Flint	29.47	26.13	0.89	44.78	46.82	20%	20%	53.74	56.19	<b>47.65</b>	<b>49.83</b>
3 Gibraltar	0.46	0.41	0.89	0.88	1.32	20%	20%	1.06	1.59	<b>0.94</b>	<b>1.41</b>
4 Greater Lapeer C.U.A.	2.39	2.25	0.94	3.82	4.82	20%	20%	4.58	5.79	<b>4.33</b>	<b>5.47</b>
5 Grosse Ile Township	1.35	1.13	0.83	3.05	5.15	20%	20%	3.65	6.18	<b>3.05</b>	<b>5.15</b>
6 Grosse Pt. Park	1.44	1.33	0.93	3.19	5.06	20%	20%	3.83	6.07	<b>3.55</b>	<b>5.62</b>
7 Inkster	2.73	2.51	0.92	4.22	5.52	20%	20%	5.06	6.63	<b>4.64</b>	<b>6.08</b>
8 Lincoln Park	3.97	3.65	0.92	7.20	10.57	20%	20%	8.64	12.68	<b>7.94</b>	<b>11.66</b>
9 Riverview	1.41	1.18	0.84	2.86	3.99	20%	20%	3.43	4.78	<b>2.87</b>	<b>4.01</b>
10 Romeo	0.25	0.23	0.90	0.49	0.77	20%	20%	0.59	0.93	<b>0.54</b>	<b>0.84</b>
11 St. Clair County-Greenwood	0.28	0.31	1.00	1.16	1.37	20%	20%	1.39	1.64	<b>1.39</b>	<b>1.64</b>
12 Trenton	2.53	2.05	0.81	5.05	6.89	20%	20%	6.06	8.27	<b>4.91</b>	<b>6.70</b>
13 Subtotal Old Contract	50.52	44.91	0.89	86.68	105.77			104.01	126.92	92.39	112.69

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