

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
First Wave								
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	139,509	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
2nd Wave								
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	200,000
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	227,000
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	5,991,000

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	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
<u>3rd Wave</u>								
1 Commerce Township	119,471	119,139	110,839	101,328	103,995	115,000	115,000	107,500
2 Ecorse	155,264	150,063	133,917	123,949	139,272	137,500	147,500	142,500
3 Flat Rock	65,401	68,979	66,633	64,582	64,231	68,000	68,000	67,000
4 Grosse Pt. Shores	25,703	25,080	19,305	19,166	19,718	22,500	22,500	20,000
5 Hamtramck	76,157	72,399	69,260	38,963	64,777	70,000	71,000	67,000
6 Harper Woods	68,280	68,435	64,499	66,932	62,932	65,000	67,000	63,400
7 Harrison Township	113,850	110,021	105,618	114,414	99,152	107,500	110,000	105,000
8 Hazel Park	68,375	64,239	57,763	57,024	55,599	60,000	60,000	55,000
9 New Haven, Village of	15,494	15,003	14,431	14,176	17,336	15,000	15,000	17,000
10 Pontiac	435,799	516,044	399,961	350,183	321,048	405,000	405,000	330,000
11 River Rouge	82,754	72,529	63,453	73,007	62,707	65,000	65,000	65,000
12 Romeo	12,132	12,566	11,466	10,386	11,146	12,000	11,000	11,000
13 Royal Oak Township	15,587	14,733	14,779	12,919	12,436	15,000	15,000	12,900
14 Shelby Township	452,692	464,272	418,295	408,562	432,413	435,000	455,000	445,000
15 St. Clair County-Burtchville T	8,937	8,724	7,398	7,921	7,884	7,500	8,000	8,000
16 Sumpter Township	40,385	40,788	38,371	34,256	32,685	40,000	34,000	33,800
17 Sylvan Lake	8,507	8,538	7,901	7,288	7,700	8,000	8,500	7,800
18 Warren	939,949	977,816	792,950	795,376	829,583	825,000	825,000	825,000
18 Subtotal	2,704,737	2,809,369	2,396,838	2,300,432	2,344,613	2,473,000	2,502,500	2,382,900
<u>Old Contract</u>								
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	58,000
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 St. Clair County-Greenwood	4,669	16,671	10,674	8,825	19,608	12,000	10,000	15,000
12 Trenton	130,093	120,453	113,666	107,620	101,370	117,500	100,000	100,000
12 Subtotal	3,192,018	3,276,462	2,974,653	2,861,744	2,927,280	3,058,500	2,884,000	2,883,500
84 Total Wholesale	18,417,905	18,405,545	16,682,093	15,676,308	16,094,683	17,973,100	16,969,725	16,929,650
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	21,029,650

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 - Mcf	Max Day	Peak Hour
First Wave												
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	40.50	61.00	15,000	0.50	1.00	2.0%	1.3%
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	9.40	-	-	2.20	-	30.6%
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	23.10	37.20	25	0.10	0.20	0.0%	0.4%
24	Wixom	101,000	5.00	5.00	105,000	5.10	5.10	4,000	0.10	0.10	4.0%	2.0%
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	258.36	362.68	22,825	0.70	3.50	0.4%	0.3%
2nd Wave												
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	16.80	24.50	-	(0.50)	(1.00)	-	-2.9%
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	200,000	10.66	10.76	35,000	(0.49)	(4.13)	21.2%	-4.4%
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	227,000	8.59	10.60	13,800	0.57	0.16	6.5%	7.1%
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	0.174	0.279	4,900	0.174	0.279	-	-	-	-	-
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	5,991,000	300.19	386.04	57,200	(0.42)	(4.97)	1.0%	-0.1%

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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	
<u>3rd Wave</u>													
1	Commerce Township	115,000	7.09	12.78	107,500	6.43	11.62	(7,500)	(0.66)	(1.16)	-6.5%	-9.3%	-9.1%
2	Ecorse	147,500	4.56	5.08	142,500	4.00	4.50	(5,000)	(0.56)	(0.58)	-3.4%	-12.3%	-11.4%
3	Flat Rock	68,000	2.76	3.89	67,000	2.60	3.50	(1,000)	(0.16)	(0.39)	-1.5%	-5.8%	-10.0%
4	Grosse Pt. Shores	22,500	1.43	2.34	20,000	1.43	2.73	(2,500)	-	0.39	-11.1%	-	16.7%
5	Hamtramck	71,000	2.05	2.83	67,000	1.90	2.75	(4,000)	(0.15)	(0.08)	-5.6%	-7.3%	-2.8%
6	Harper Woods	67,000	2.67	4.46	63,400	2.55	3.67	(3,600)	(0.12)	(0.79)	-5.4%	-4.5%	-17.7%
7	Harrison Township	110,000	4.81	6.13	105,000	4.81	6.13	(5,000)	-	-	-4.5%	-	-
8	Hazel Park	60,000	2.35	3.54	55,000	1.70	2.60	(5,000)	(0.65)	(0.94)	-8.3%	-27.7%	-26.6%
9	New Haven, Village of	15,000	0.70	1.20	17,000	0.70	1.20	2,000	-	-	13.3%	-	-
10	Pontiac	405,000	13.00	13.00	330,000	13.00	13.00	(75,000)	-	-	-18.5%	-	-
11	River Rouge	65,000	2.16	2.59	65,000	2.00	2.40	-	(0.16)	(0.19)	-	-7.4%	-7.3%
12	Romeo	11,000	0.53	0.83	11,000	0.51	0.72	-	(0.02)	(0.11)	-	-3.7%	-13.4%
13	Royal Oak Township	15,000	0.68	0.86	12,900	0.51	0.78	(2,100)	(0.17)	(0.08)	-14.0%	-25.0%	-9.3%
14	Shelby Township	455,000	26.23	50.00	445,000	25.00	47.50	(10,000)	(1.23)	(2.50)	-2.2%	-4.7%	-5.0%
15	St. Clair County-Burtchville T	8,000	0.34	0.55	8,000	0.45	0.68	-	0.11	0.13	-	32.4%	23.6%
16	Sumpter Township	34,000	1.39	2.35	33,800	1.12	1.81	(200)	(0.27)	(0.54)	-0.6%	-19.4%	-23.0%
17	Sylvan Lake	8,500	0.37	0.51	7,800	0.38	0.53	(700)	0.01	0.02	-8.2%	2.7%	3.9%
18	Warren	825,000	37.07	52.16	825,000	37.07	52.16	-	-	-	-	-	-
18	Subtotal	2,502,500	110.19	165.10	2,382,900	106.16	158.28	(119,600)	(4.03)	(6.82)	-4.8%	-3.7%	-4.1%
<u>Old Contract</u>													
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	58,000	3.21	5.43	(5,500)	(0.24)	(0.40)	-8.7%	-6.8%	-6.8%
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	St. Clair County-Greenwood	10,000	1.35	1.35	15,000	1.35	1.35	5,000	-	-	50.0%	-	-
11	Trenton	100,000	4.80	6.55	100,000	4.91	6.70	-	0.11	0.15	-	2.2%	2.2%
11	Subtotal	2,184,000	91.36	111.23	2,183,500	91.97	111.83	(500)	0.61	0.61	0.0%	0.7%	0.5%
83	Total Suburban Master Meter	16,269,725	759.82	1,026.52	16,229,650	756.69	1,018.83	(40,075)	(3.14)	(7.69)	-0.2%	-0.4%	-0.7%
	Detroit/Dearborn	6,569,300	253.36	284.16	6,569,300	229.04	256.91	-	(24.32)	(27.25)	-	-9.6%	-9.6%
	Subtotal	22,839,025	1,013.19	1,310.68	22,798,950	985.72	1,275.75	(40,075)	(27.46)	(34.94)	-0.2%	-2.7%	-2.7%
	Non-Revenue Water	2,162,300	44.31	44.32	2,160,300	44.28	44.25	(2,000)	(0.04)	(0.06)	-0.1%	-0.1%	-0.1%
	Total System	25,001,325	1,057.50	1,355.00	24,959,250	1,030.00	1,320.00	(42,075)	(27.50)	(35.00)	-0.2%	-2.6%	-2.6%

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 PH	Max Day	Non-Coin PH	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	10.57	14.28
2 Flint	29.47	26.13	0.89	44.78	46.82	20%	20%	53.74	56.19	47.65	49.83
3 Gibraltar	0.46	0.41	0.89	0.88	1.32	20%	20%	1.06	1.59	0.94	1.41
4 Greater Lapeer C.U.A.	2.39	2.25	0.94	3.82	4.82	20%	20%	4.58	5.79	4.33	5.47
5 Grosse Ile Township	1.35	1.19	0.88	3.05	5.15	20%	20%	3.65	6.18	3.21	5.43
6 Grosse Pt. Park	1.44	1.33	0.93	3.19	5.06	20%	20%	3.83	6.07	3.55	5.62
7 Inkster	2.73	2.51	0.92	4.22	5.52	20%	20%	5.06	6.63	4.64	6.08
8 Lincoln Park	3.97	3.65	0.92	7.20	10.57	20%	20%	8.64	12.68	7.94	11.66
9 Riverview	1.41	1.18	0.84	2.86	3.99	20%	20%	3.43	4.78	2.87	4.01
10 St. Clair County-Greenwood	0.28	0.31	1.00	1.16	1.37	20%	20%	1.39	1.64	1.39	1.64
11 Trenton	2.53	2.05	0.81	5.05	6.89	20%	20%	6.06	8.27	4.91	6.70
12 Subtotal Old Contract	50.27	44.75	0.89	86.18	104.99			103.42	125.99	92.02	112.13

Water Supply System
Preliminary FY 2012-13 Revenue Requirement Projections - \$millions

		FY 2010-11 <u>Actual</u>	FY 2011-12 <u>Baseline</u>	PROPOSED FY 2012-13 <u>Projection</u>
1 Revenues from Rates & Charges (a)		312.05	356.13	356.58
2 Miscellaneous & Non-Operating Revenue		<u>8.37</u>	<u>21.77</u>	<u>8.59</u>
3 TOTAL AVAILABLE REVENUE		320.42	377.90	365.18
4 less: Operation & Maintenance Expense		146.88	159.66	163.04
5 NET AVAILABLE REVENUE	(3)-(4)	173.54	218.24	202.14
<u>Debt Service</u>				
6 Senior Lien Bonds		116.18	115.88	130.23
7 Second Lien Bonds		46.12	47.07	40.44
8 SRF Junior Lien Bonds		<u>2.14</u>	<u>1.96</u>	<u>2.23</u>
9 Total Debt Service		164.44	164.91	172.90
10 Other Capital Revenue Requirements		<u>9.10</u>	<u>53.33</u>	<u>59.48</u>
11 Total Capital Revenue Requirement	(9)+(10)	173.54	218.24	232.37
12 Additional Revenue Required	(5)-(11)	0.00	0.00	(30.23)
13 Revenue Increase Required - %	-(12)/(1)			8.5%
<u>Parity Debt Service</u>				
14 Senior Lien Bonds	(6)	116.18	115.88	130.23
15 Second Lien Bonds	(14)+(7)	162.29	162.95	170.66
16 SRF Junior Lien Bonds	(15)+(8)	164.44	164.91	172.90
<u>D/S Coverage</u>				
17 Senior Lien Bonds	(11)/(14)	149%	188%	178%
18 Second Lien Bonds	(11)/(15)	107%	134%	136%
19 SRF Junior Lien Bonds	(11)/(16)	106%	132%	134%
<u>Income Statement Summary</u>				
20 Net Revenues	(5)+(12)	173.54	218.24	232.37
21 plus: Contributions		0.21	0.10	0.10
22 less: OPEB & Other		(14.64)	(12.00)	(12.24)
23 less: Depreciation Expense		(72.00)	(86.57)	(86.30)
24 less: Interest Expense		(111.67)	(117.91)	(117.63)
25 less: Derivatives/Other		<u>11.65</u>	<u>0.00</u>	<u>0.00</u>
26 Proxy for Change in Net Assets		(12.90)	1.87	16.30
<i>(a) Net of Collections Allowance</i>				

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Water Supply System
Preliminary FY 2012-13 Revenue Requirement Projections - \$millions
CONVERSION OF SYSTEM REVENUE REQUIREMENT

<u>Item</u>	<u>Cash Basis</u>	<u>Utility Basis</u>
1 Operation & Maintenance Expense (a)	163.04	168.84
2 Debt Service	172.90	
3 Other Cash (Revenue Financed Capital, Reserves) Req'ts	59.48	
4 Depreciation Expense		90.64
5 Return on Rate Base		135.94
6 Total (b)	395.41	395.41
7 Rate Base		2,279.12
8 Rate of Return - System		5.96%
<u>(a) Reconciliation of O&M Expense</u>		
9 Budgeted O&M - Cash Basis		163.04
10 Budgeted Non-Op Expense (POC Payments)		5.80
11 Utility Basis Operation and Maintenance Expense		168.84
<u>(b) Reconciliation to Revenue Requirement from Rates</u>		
12 Total Revenue Requirement		395.41
13 less: Miscellaneous and Non-Operating Revenue		(8.59)
13 Total Revenue Required from Rates		386.82

Water Supply System
Preliminary FY 2012-13 Revenue Requirement Projections - \$millions
UTILITY BASIS REVENUE REQUIREMENTS

		FY 2011-12 <u>Baseline</u>	FY 2012-13 <u>Projection</u>	<u>Variance</u>	<u>% Variance</u>
<u>TOTAL SYSTEM</u>					
1 Revenues from Rates & Charges		356.13	356.58	0.45	0.1%
2 Miscellaneous & Non-Operating Revenue		<u>21.77</u>	<u>8.59</u>	(13.18)	-60.5%
3 Total Revenue (a)		377.90	365.18	(12.73)	-3.4%
<u>Utility Basis Revenue Requirements</u>					
4 Operation & Maintenance Expense		163.82	168.84	5.01	3.1%
5 Depreciation Expense		86.57	90.64	4.08	4.7%
6 Return on Rate Base (b)	(10)x(11)	<u>127.52</u>	<u>135.94</u>	8.42	6.6%
7 Total		377.90	395.41	17.51	4.6%
8 Additional Revenue Required	(3)-(7)	0.00	(30.23)		
9 Revenue Increase Required - %	-(8)/(1)		8.5%		
<i>(a) Including miscellaneous and non operating; these items incorporated in rate of return calculation</i>					
<i>(b) Return Calculations</i>					
10 Rate Base		2,295.84	2,279.12	(16.72)	-0.7%
11 Rate of Return		5.55%	5.96%	0.41%	7.4%
<u>SUBURBAN WHOLESALE CUSTOMERS</u>					
12 Revenues from Rates & Charges		266.92	266.56	(0.37)	-0.1%
<u>Utility Basis Revenue Requirements</u>					
13 Operation & Maintenance Expense		99.26	104.10	4.84	4.9%
14 Depreciation Expense		66.18	70.43	4.25	6.4%
15 Return on Rate Base (c)	(19)x(20)	<u>101.49</u>	<u>113.02</u>	<u>11.53</u>	11.4%
16 Total		266.92	287.54	20.62	7.7%
17 Additional Revenue Required	(12)-(16)	0.00	(20.99)		
18 Revenue Increase Required - %	-(17)/(12)		7.9%		
<i>(c) Return Calculations</i>					
19 Rate Base		1,460.18	1,548.16	87.98	6.0%
20 Rate of Return		6.95%	7.30%	0.35%	5.0%
21 Avg Cost of Debt	<u>guideline</u>	5.50%	5.81%	0.31%	
22 ROR Margin - %	1.50%	1.45%	1.49%	0.04%	
23 ROR Multiplier	1.25	1.26	1.26	(0.01)	

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Water Supply System
Preliminary Results of FY 2012-13 Cost Allocation to Customers

	Revenue Under Existing Rates	Allocated Revenue Requirement	Variance	% Variance	Comment	Change in Max Day Demand	Change in Peak Hour Demand	Change in Volume
City of Detroit Retail	90,027,357	99,275,756	9,248,399	10.3%		-11.8%	-11.6%	0.0%
Suburban Wholesale (<i>detail below</i>)	266,556,082	287,542,444	20,986,362	7.9%		-0.4%	-0.7%	-0.2%
Total System	356,583,439	386,818,200	30,234,761	8.5%		-3.3%	-3.1%	-0.2%
First Wave								
1 Allen Park	1,706,188	1,851,705	145,517	8.5%		-	-	-
2 Belleville	273,916	293,564	19,648	7.2%		-	-	-
3 Canton Township	9,463,771	10,249,942	786,171	8.3%		-	-	-
4 Center Line	386,858	415,483	28,625	7.4%		-	-	-
5 Dearborn Heights	2,774,012	3,015,406	241,394	8.7%		-	-	-
6 Eastpointe	1,161,252	1,253,562	92,310	7.9%		-	-	-
7 Ferndale	821,172	863,988	42,816	5.2%	Increased Volume	-	-	5.9%
8 Fraser	936,156	1,015,458	79,302	8.5%		-	-	-
9 Northville	558,198	604,459	46,261	8.3%		-	-	-
10 Northville Township	5,045,040	5,458,449	413,409	8.2%		-	-	-
11 Orion Township	4,145,004	4,554,760	409,756	9.9%		-	-	-
12 Plymouth	740,958	800,681	59,723	8.1%		-	-	-
13 Redford Township	2,457,564	2,654,883	197,319	8.0%		-	-	-
14 Roseville	1,890,123	2,042,737	152,614	8.1%		-	-	-
15 St. Clair Shores	2,656,280	2,882,983	226,703	8.5%		-	1.7%	-0.4%
16 Sterling Heights	11,985,372	13,058,896	1,073,524	9.0%		1.3%	1.7%	2.0%
17 Taylor	3,651,480	3,975,460	323,980	8.9%		-	-	-
18 Troy	9,369,960	10,151,940	781,980	8.3%		-	-	-
19 Utica	417,876	452,137	34,261	8.2%		-	-	-
20 Van Buren Township	2,120,024	2,722,624	602,600	28.4%	Increased Dmds	-	30.6%	-
21 Washington Township	2,120,388	2,298,672	178,284	8.4%		-	-	-
22 Wayne	2,020,056	2,210,282	190,226	9.4%		-	-	-
23 West Bloomfield Township	10,773,348	11,673,496	900,148	8.4%		0.4%	0.5%	0.0%
24 Wixom	1,854,720	2,001,400	146,680	7.9%		2.0%	2.0%	4.0%
25 Woodhaven	1,668,708	1,814,842	146,134	8.8%		-	-	-
26 Ypsilanti Comm Util Auth	8,132,498	8,841,867	709,369	8.7%		-	-	-
26 Subtotal	89,130,922	97,159,676	8,028,754	9.0%		0.3%	1.0%	0.4%
2nd Wave								
1 Ash Township	526,576	571,562	44,986	8.5%		-	-	-
2 Auburn Hills	3,725,448	4,033,447	307,999	8.3%		-	-	-
3 Berlin Township	526,250	570,820	44,570	8.5%		-	-	-
4 Brownstown Township	2,424,225	2,619,340	195,115	8.0%		-	-	-
5 Clinton Township	5,392,596	5,890,447	497,851	9.2%		-	-	-
6 Farmington	703,713	762,338	58,625	8.3%		-	-	-
7 Farmington Hills	9,504,972	10,255,415	750,443	7.9%		-	-	-
8 Garden City	1,153,812	1,248,666	94,854	8.2%		-	-	-
9 Grosse Pt. Woods	1,025,934	1,124,125	98,191	9.6%		-	-	-
10 Huron Township	1,196,278	1,300,184	103,906	8.7%		-	-	-
11 Keego Harbor	213,584	229,318	15,734	7.4%		-	-	-
12 Lenox Township	211,194	225,378	14,184	6.7%		-	-	-
13 Livonia	9,453,276	10,290,886	837,610	8.9%		-	-	-
14 Macomb Township	8,280,976	9,037,723	756,747	9.1%		-	-	-
15 Madison Heights	1,564,388	1,657,536	93,148	6.0%	Increased Volume	-	-	5.0%
16 Melvindale	472,936	510,150	37,214	7.9%		-	-	-
17 Novi	7,879,968	8,223,854	343,886	4.4%	Reduced Dmds	-2.9%	-3.9%	-
18 Oak Park	1,005,504	1,095,710	90,206	9.0%		-	-	-
19 Oakland Co. Drain Comm.	69,228	74,106	4,878	7.0%		-	-	-
20 Plymouth Township	4,713,520	3,572,213	(1,141,307)	-24.2%	Reduced Dmds	-4.4%	-27.7%	21.2%
21 Rochester Hills	9,879,796	10,676,229	796,433	8.1%		-	-	-
22 Rockwood	219,534	237,678	18,144	8.3%		-	-	-
23 Romulus	2,693,980	2,890,581	196,601	7.3%		7.1%	1.5%	6.5%
24 S O C W A	18,173,772	19,792,309	1,618,537	8.9%		-	-	-
25 South Rockwood	70,842	76,089	5,247	7.4%		-	-	-
26 Southgate	1,722,092	1,859,055	136,963	8.0%		-	-	-
27 Walled Lake	626,702	675,021	48,319	7.7%		-	-	-
28 Westland	4,290,090	4,650,710	360,620	8.4%		-	-	-
28 Subtotal	97,721,186	104,150,890	6,429,704	6.6%		-0.1%	-1.3%	1.0%

Water Supply System
Preliminary Results of FY 2012-13 Cost Allocation to Customers

	Revenue Under Existing Rates	Allocated Revenue Requirement	Variance	% Variance	Comment	Change in Max Day Demand	Change in Peak Hour Demand	Change in Volume	
3rd Wave									
1	Commerce Township	3,741,616	3,883,220	141,604	3.8%	Reduced Dmds	-9.3%	-9.1%	-6.5%
2	Ecorse	1,115,343	1,120,357	5,014	0.4%	Reduced Dmds	-12.3%	-11.4%	-3.4%
3	Flat Rock	908,528	918,971	10,443	1.1%	Reduced Dmds	-5.8%	-10.0%	-1.5%
4	Grosse Pt. Shores	368,020	474,255	106,235	28.9%	Increased Dmds	-	16.7%	-11.1%
5	Hamtramck	551,820	588,756	36,936	6.7%		-7.3%	-2.8%	-5.6%
6	Harper Woods	752,564	738,864	(13,700)	-1.8%	Reduced Dmds	-4.5%	-17.7%	-5.4%
7	Harrison Township	1,266,198	1,430,293	164,095	13.0%	Reduced Volumes	-	-	-4.5%
8	Hazel Park	636,966	555,813	(81,153)	-12.7%	Reduced Dmds	-27.7%	-26.6%	-8.3%
9	New Haven, Village of	288,274	290,181	1,907	0.7%	Increased Volumes	-	-	13.3%
10	Pontiac	4,113,264	4,890,384	777,120	18.9%	Increased Dmds	-	-	-18.5%
11	River Rouge	553,100	564,262	11,162	2.0%	Reduced Dmds	-7.4%	-7.3%	-
12	Romeo	234,818	227,503	(7,315)	-3.1%	Reduced Dmds	-3.7%	-13.4%	-
13	Royal Oak Township	165,579	171,577	5,998	3.6%	Reduced Dmds	-25.0%	-9.3%	-14.0%
14	Shelby Township	10,517,628	11,046,327	528,699	5.0%	Reduced Dmds	-4.7%	-5.0%	-2.2%
15	St. Clair County-Burtchville Twp	169,344	219,885	50,541	29.8%	Increased Dmds	32.4%	-	-
16	Sumpter Township	586,008	516,258	(69,750)	-11.9%	Reduced Dmds	-19.4%	-23.0%	-0.6%
17	Sylvan Lake	154,842	180,474	25,632	16.6%	Increased Dmds	2.7%	3.9%	-8.2%
18	Warren	9,624,018	10,478,865	854,847	8.9%		-	-	-
18	Subtotal	35,747,930	38,296,245	2,548,315	7.1%		-3.7%	-4.1%	-4.8%
Old Contract									
1	Chesterfield Township	3,168,481	3,454,118	285,637	9.0%		-2.6%	-2.6%	-3.9%
2	Dearborn	7,633,484	8,289,227	655,743	8.6%		0.0%	0.0%	-
3	Flint	22,351,152	24,372,422	2,021,270	9.0%		1.1%	1.1%	-
4	Gibraltar	320,940	356,683	35,743	11.1%		6.3%	6.3%	5.3%
5	Greater Lapeer C.U.A.	2,171,860	2,346,909	175,049	8.1%		0.9%	0.9%	-
6	Grosse Ile Township	1,110,576	1,192,585	82,009	7.4%		-6.8%	-6.8%	-8.7%
7	Grosse Pt. Park	931,318	1,035,938	104,620	11.2%		7.1%	7.1%	6.6%
8	Inkster	1,335,365	1,509,168	173,803	13.0%		12.5%	12.5%	11.4%
9	Lincoln Park	2,205,948	2,395,947	189,999	8.6%		-1.6%	-1.6%	-2.5%
10	Riverview	848,978	913,740	64,762	7.6%		-6.8%	-6.8%	-8.7%
11	St. Clair County-Greenwood	450,606	494,493	43,887	9.7%		-	-	50.0%
12	Trenton	1,427,336	1,574,403	147,067	10.3%		2.2%	2.2%	-
12	Subtotal	43,956,044	47,935,633	3,979,589	9.1%		0.7%	0.5%	0.0%

Suburban Wholesale Customers
Comparative Water Unit Costs (*Allocated Rev Req / Projected Volume*)
DOES NOT REPRESENT PROPOSED WATER RATE

<u>Customer</u>	<u>Existing (a)</u> <u>2011-2012</u> \$/Mcf	<u>Proposed (a)</u> <u>2012-2013</u> \$/Mcf	<u>Change</u> \$/Mcf	<u>% Change</u>
Allen Park	12.19	13.23	1.04	8.6%
Ash Township	12.78	13.87	1.09	8.5%
Auburn Hills	20.70	22.41	1.71	8.3%
Belleville	13.70	14.68	0.98	7.2%
Berlin Township	19.14	20.76	1.62	8.5%
Brownstown Township	18.16	19.62	1.46	8.0%
Canton Township	21.93	23.75	1.82	8.3%
Center Line	9.44	10.13	0.69	7.4%
Chesterfield Township	17.36	18.93	1.57	9.0%
Clinton Township	11.35	12.40	1.05	9.2%
Commerce Township	34.81	36.12	1.31	3.8%
Dearborn	10.90	11.84	0.94	8.6%
Dearborn Heights	11.20	12.18	0.98	8.7%
Eastpointe	8.61	9.30	0.69	8.0%
Ecorse	7.83	7.86	0.03	0.4%
Farmington	13.10	14.20	1.10	8.4%
Farmington Hills	22.63	24.42	1.79	7.9%
Ferndale	9.12	9.60	0.48	5.2%
Flat Rock	13.56	13.72	0.16	1.2%
Flint	17.53	19.12	1.59	9.1%
Fraser	12.33	13.38	1.05	8.5%
Garden City	13.42	14.52	1.10	8.2%
Gibraltar	16.05	17.83	1.78	11.1%
Greater Lapeer C.U.A.	19.74	21.34	1.60	8.1%
Grosse Ile Township	19.15	20.56	1.41	7.4%
Grosse Pt. Park	14.33	15.94	1.61	11.3%
Grosse Pt. Shores	18.40	23.71	5.31	28.9%
Grosse Pt. Woods	12.07	13.23	1.16	9.6%
Hamtramck	8.24	8.79	0.55	6.7%
Harper Woods	11.87	11.65	(0.22)	-1.9%
Harrison Township	12.06	13.62	1.56	12.9%
Hazel Park	11.58	10.11	(1.47)	-12.7%
Huron Township	19.11	20.77	1.66	8.7%
Inkster	10.90	12.32	1.42	13.0%
Keego Harbor	18.10	19.43	1.33	7.3%

TFG

Suburban Wholesale Customers
Comparative Water Unit Costs (*Allocated Rev Req / Projected Volume*)
DOES NOT REPRESENT PROPOSED WATER RATE

<u>Customer</u>	<u>Existing (a)</u> <u>2011-2012</u> \$/Mcf	<u>Proposed (a)</u> <u>2012-2013</u> \$/Mcf	<u>Change</u> \$/Mcf	<u>% Change</u>
Lenox Twp.	13.80	14.73	0.93	6.7%
Lincoln Park	12.39	13.46	1.07	8.6%
Livonia	16.49	17.95	1.46	8.9%
Macomb Township	21.79	23.78	1.99	9.1%
Madison Heights	8.91	9.44	0.53	6.0%
Melvindale	9.46	10.20	0.74	7.8%
New Haven, Vil. of	16.96	17.07	0.11	0.7%
Northville	15.95	17.27	1.32	8.3%
Northville Township	27.57	29.83	2.26	8.2%
Novi	27.96	29.18	1.22	4.4%
Oak Park	8.59	9.37	0.78	9.0%
Oakland Co. Drain Comm.	5.77	6.18	0.41	7.1%
Orion Township	24.38	26.79	2.41	9.9%
Plymouth	14.97	16.18	1.21	8.1%
Plymouth Township	23.57	17.86	(5.71)	-24.2%
Pontiac	12.46	14.82	2.36	18.9%
Redford Township	11.70	12.64	0.94	8.0%
River Rouge	8.51	8.68	0.17	2.0%
Riverview	14.76	15.89	1.13	7.6%
Rochester Hills	24.10	26.04	1.94	8.1%
Rockwood	14.35	15.53	1.18	8.2%
Romeo	21.35	20.68	(0.67)	-3.1%
Romulus	11.87	12.73	0.86	7.3%
Roseville	8.55	9.24	0.69	8.1%
Royal Oak Township	12.84	13.30	0.46	3.6%
S O C W A	12.31	13.41	1.10	8.9%
Shelby Township	23.64	24.82	1.18	5.0%
South Rockwood	14.46	15.53	1.07	7.4%
Southgate	12.30	13.28	0.98	8.0%
Sterling Heights	15.37	16.74	1.37	8.9%
St. Clair County - Greenwood	30.04	32.97	2.93	9.8%
St. Clair County - Burtchville Twp	21.17	27.49	6.32	29.9%
St. Clair Shores	9.01	9.78	0.77	8.5%
Sumpter Township	17.34	15.27	(2.07)	-11.9%
Sylvan Lake	19.85	23.14	3.29	16.6%

TFG

Suburban Wholesale Customers
Comparative Water Unit Costs (*Allocated Rev Req / Projected Volume*)
DOES NOT REPRESENT PROPOSED WATER RATE

<u>Customer</u>	<u>Existing (a)</u> <u>2011-2012</u> \$/Mcf	<u>Proposed (a)</u> <u>2012-2013</u> \$/Mcf	<u>Change</u> \$/Mcf	<u>% Change</u>
Taylor	10.14	11.04	0.90	8.8%
Trenton	14.27	15.74	1.47	10.3%
Troy	16.27	17.62	1.35	8.3%
Utica	13.93	15.07	1.14	8.2%
Van Buren Township	13.25	17.02	3.77	28.5%
Walled Lake	17.91	19.29	1.38	7.7%
Warren	11.67	12.70	1.03	8.9%
Washington Township	24.37	26.42	2.05	8.4%
Wayne	13.93	15.24	1.31	9.4%
West Bloomfield Township	26.93	29.18	2.25	8.4%
Westland	14.23	15.43	1.20	8.4%
Woodhaven	18.54	20.16	1.62	8.7%
Ypsilanti Comm Util Auth	13.67	14.86	1.19	8.7%
Wixom	17.66	19.06	1.40	7.9%
<i>Average Wholesale (b)</i>	<i>15.74</i>	<i>16.98</i>	<i>1.24</i>	<i>7.8%</i>

(a) Reflects example unit costs - NOT existing or proposed commodity charges.

(b) Expressed in terms of effective **existing** unit costs at time **new** rate proposals were made.

Suburban Wholesale Customers Schedule of Comparative Water Rates

Customer	Existing Rates		Proposed Rates	
	Fixed \$/month	Commodity \$/Mcf	Fixed \$/month	Commodity \$/Mcf
Allen Park	45,699	8.27	70,847	7.15
Ash Township	12,741	9.07	19,969	8.06
Auburn Hills	74,504	15.73	117,263	14.59
Belleville	5,893	10.16	9,134	9.20
Berlin Township	12,275	13.78	19,274	12.35
Brownstown Township	59,285	12.83	92,250	11.33
Canton Township	192,818	16.57	305,555	15.26
Center Line	9,859	6.55	14,860	5.78
Chesterfield Township	83,213	11.89	128,229	10.50
Clinton Township	150,133	7.56	236,196	6.43
Commerce Township	62,043	27.88	89,820	26.10
Dearborn	199,207	7.49	314,840	6.44
Dearborn Heights	69,815	7.82	109,613	6.87
Eastpointe	31,393	5.82	47,631	5.06
Ecorse	31,789	5.15	43,936	4.16
Farmington	16,891	9.33	26,155	8.35
Farmington Hills	179,231	17.51	281,548	16.37
Ferndale	21,406	6.27	32,869	5.22
Flat Rock	22,669	9.50	33,098	7.79
Flint	443,096	13.36	707,000	12.46
Fraser	23,365	8.64	36,499	7.61
Garden City	27,136	9.63	42,265	8.62
Gibraltar	7,595	11.49	12,538	10.31
Greater Lapeer C.U.A.	42,480	15.11	66,324	14.10
Grosse Ile Township	28,313	13.29	41,484	11.98
Grosse Pt. Park	23,389	10.01	39,282	8.69
Grosse Pt. Shores	10,535	12.08	16,962	13.54
Grosse Pt. Woods	32,157	7.53	50,276	6.13
Hamtramck	15,500	5.46	21,702	4.90
Harper Woods	19,813	8.12	28,361	6.29
Harrison Township	34,904	8.07	55,299	7.30
Hazel Park	17,468	7.77	19,853	5.77
Huron Township	28,065	13.73	44,422	12.25

Suburban Wholesale Customers Schedule of Comparative Water Rates

Customer	Existing Rates		Proposed Rates	
	Fixed \$/month	Commodity \$/Mcf	Fixed \$/month	Commodity \$/Mcf
Inkster	31,145	7.85	54,638	6.97
Keego Harbor	3,855	14.18	5,905	13.43
Lenox Twp.	5,334	9.62	7,741	8.66
Lincoln Park	58,784	8.43	90,393	7.37
Livonia	234,442	11.58	369,443	10.22
Macomb Township	209,698	15.17	334,307	13.23
Madison Heights	40,517	6.14	62,802	5.15
Melvindale	13,078	6.32	19,657	5.49
New Haven, Vil. of	6,102	12.65	9,654	10.25
Northville	12,304	11.73	19,197	10.69
Northville Township	92,545	21.50	147,521	20.15
Novi	142,379	21.90	217,786	19.91
Oak Park	27,632	5.76	43,052	4.95
Oakland Co. Drain Comm.	1,999	3.77	2,904	3.27
Orion Township	68,317	19.56	108,694	19.12
Plymouth	15,299	11.26	23,971	10.36
Plymouth Township	86,460	18.38	123,161	10.47
Pontiac	98,572	8.88	149,320	9.39
Redford Township	61,997	8.16	94,975	7.22
River Rouge	15,650	5.62	22,301	4.56
Riverview	23,119	9.94	34,050	8.79
Rochester Hills	189,183	18.56	298,388	17.31
Rockwood	5,060	10.38	7,905	9.33
Romeo	4,764	16.15	6,850	13.21
Romulus	62,950	8.54	103,514	7.26
Roseville	49,724	5.85	76,487	5.09
Royal Oak Township	4,865	8.31	5,948	7.77
S O C W A	473,901	8.46	742,616	7.37
Shelby Township	217,869	17.76	330,918	15.90
South Rockwood	1,714	10.26	2,568	9.24
Southgate	45,391	8.41	70,505	7.24
Sterling Heights	295,481	10.82	471,845	9.48
St. Clair County - Greenwood	Variable (a)	2.93	Variable (a)	2.99

Suburban Wholesale Customers Schedule of Comparative Water Rates

Customer	Existing Rates		Proposed Rates	
	Fixed \$/month	Commodity \$/Mcf	Fixed \$/month	Commodity \$/Mcf
St. Clair County - Burtchville Twp	3,712	15.60	7,202	16.68
St. Clair Shores	68,552	6.22	105,909	5.47
Sumpter Township	12,499	12.90	15,958	9.61
Sylvan Lake	3,108	15.07	4,859	15.66
Taylor	96,090	6.94	149,998	6.04
Trenton	38,028	9.71	59,562	8.60
Troy	208,670	11.92	327,476	10.80
Utica	9,498	10.13	14,827	9.14
Van Buren Township	54,402	9.17	90,817	10.21
Walled Lake	10,896	14.17	17,114	13.42
Warren	255,439	7.95	401,337	6.86
Washington Township	43,009	18.44	68,461	16.98
Wayne	57,413	9.18	90,362	7.77
West Bloomfield Township	188,357	21.28	298,374	20.23
Westland	103,578	10.11	161,328	9.01
Woodhaven	39,309	13.30	62,490	11.83
Ypsilanti Comm Util Auth	196,254	9.71	308,653	8.64
Wixom	37,485	13.38	60,727	12.12
<i>Average Wholesale Rate (b)</i>	<i>72,559</i>	<i>11.42</i>	<i>113,301</i>	<i>10.24</i>

(c) Based on variable demands applied to fixed unit costs.

(b) Expressed in terms of effective **existing** unit cost rate at time **new** rate proposals were made.