

Great Lakes Water Authority
 Approved FY 2020 Water Supply System Allocated Revenue Requirements and Service Charges
 Approved by the GLWA Board on March 13, 2019

Line No.	Customer	Fixed Monthly Charge (a) \$/mo	Commodity Charge (a) \$/Mcf	Annual Revenue Req'ts \$
1	Allen Park	120,800	7.39	2,415,900
2	Almont Village	11,700	10.40	234,000
3	Ash Township	41,200	8.03	823,000
4	Belleville	15,300	9.70	305,400
5	Berlin Township	37,200	10.67	744,600
6	Brownstown Township	184,900	10.25	3,698,700
7	Bruce Twp	15,200	75.53	304,000
8	Canton Township	520,900	11.52	10,418,500
9	Center Line	23,400	5.97	467,500
10	Chesterfield Township	211,900	9.98	4,238,500
11	Clinton Township	384,000	7.41	7,680,600
12	Commerce Township	181,600	13.66	3,632,700
13	Dearborn	532,000	6.87	10,639,200
14	Dearborn Heights	185,900	7.34	3,717,400
15	Eastpointe	79,400	5.84	1,587,700
16	Ecorse	75,300	4.28	1,506,500
17	Farmington	51,900	8.67	1,038,600
18	Farmington Hills	455,300	9.64	9,106,600
19	Ferndale	51,300	5.92	1,026,500
20	Flat Rock	70,600	8.49	1,412,200
21	Flint (b)	568,500	8.21	11,370,300
22	Fraser	62,400	8.05	1,248,100
23	Garden City	86,500	7.89	1,730,700
24	Gibraltar	17,200	7.79	344,800
25	Grosse Ile Township	56,100	11.17	1,122,500
26	Grosse Pt. Park	76,500	10.28	1,529,700
27	Grosse Pt. Shores	33,600	12.79	671,200
28	Grosse Pt. Woods	71,700	8.84	1,434,600
29	Hamtramck	39,300	5.31	786,900
30	Harper Woods	43,000	6.15	860,000
31	Harrison Township	77,600	6.52	1,552,600
32	Hazel Park	37,000	5.83	739,600
33	Highland Park	58,900	4.44	1,178,400
34	Huron Township	74,900	9.57	1,497,800
35	Imlay City	70,900	13.54	1,418,200
36	Imlay Twp	800	36.47	15,400
37	Inkster	61,100	5.40	1,221,800
38	Keego Harbor	15,100	11.93	301,300
39	Lapeer	78,800	11.31	1,575,500
40	Lenox Township	14,800	8.02	296,800
41	Lincoln Park	111,200	6.05	2,224,900
42	Livonia	587,600	9.38	11,752,700
43	Macomb Township	645,400	15.14	12,908,900
44	Madison Heights	99,200	6.34	1,984,700
45	Mayfield Twp	2,400	22.89	47,600
46	Melvindale	32,900	5.97	658,400
47	New Haven, Village of	20,300	6.35	405,100
48	N O C W A	1,128,100	9.68	22,561,100
49	Northville	44,900	11.32	897,200
50	Northville Township	286,900	16.00	5,737,300
51	Novi	460,100	12.12	9,201,000
52	Oak Park	70,100	5.79	1,401,700
53	Oakland Co. Drain Comm.	4,000	3.39	79,700
54	Plymouth	54,100	9.88	1,081,400
55	Plymouth Township	228,900	10.56	4,577,700
56	Redford Township	163,700	7.57	3,273,900
57	River Rouge	35,000	6.93	699,800

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58	Riverview	43,100	7.75	861,800
59	Rockwood	14,100	11.07	282,200
60	Romeo	12,600	17.68	252,000
61	Romulus	207,600	8.13	4,152,900
62	Roseville	135,200	5.70	2,703,100
63	Royal Oak Township	10,400	6.74	207,300
64	S O C W A	1,177,300	7.18	23,545,300
65	Shelby Township	716,800	14.29	14,336,300
66	South Rockwood	5,900	9.44	118,100
67	Southgate	112,800	7.51	2,255,400
68	St. Clair County-Burtchville Twp	16,400	17.97	328,000
69	St. Clair County-Greenwood	22,600	13.01	451,900
70	St. Clair Shores	154,400	6.44	3,088,700
71	Sterling Heights	776,000	10.38	15,519,200
72	Sumpter Township	33,600	9.31	672,800
73	Sylvan Lake	11,900	14.39	237,600
74	Taylor	238,200	6.86	4,763,200
75	Trenton	85,300	7.71	1,705,000
76	Troy	697,500	11.34	13,950,400
77	Utica	29,300	8.90	585,600
78	Van Buren Township	172,300	10.79	3,445,700
79	Walled Lake	40,700	10.25	814,500
80	Warren	513,600	6.71	10,272,300
81	Washington Township	115,100	11.87	2,302,700
82	Wayne	152,100	13.34	3,042,200
83	West Bloomfield Township	532,200	15.37	10,644,400
84	Westland	315,600	7.45	6,312,800
85	Wixom	126,000	12.99	2,519,600
86	Woodhaven	85,400	11.31	1,708,600
87	Ypsilanti Comm Util Auth	532,400	8.33	10,648,100
88	Total Wholesale Contract Customers			317,115,100
89	Adjustment to Flint Revenue Requirement for KWA Debt Service			(6,652,200)
90	Adjustment for Highland Park Bad Debt			(1,178,400)
91	Net Requirement from Wholesale Charges (agrees with GLWA Budget "Schedule 3A")			309,284,500
Detroit Customer Class - \$				
92	Wholesale Revenue Requirement (c)			41,995,500
93	less: Ownership Benefit per Lease			(20,700,000)
94	Net Wholesale Revenue Requirement			21,295,500
95	Indirect Retail Revenue Requirements (d)			46,099,200
96	less: Use of Lease Payment for Debt Service (f)			(4,238,600)
97	Net Indirect Retail Revenue Requirements (d)			41,860,600
98	Subtotal Subject to GLWA Board Approval (94) + (97)			63,156,100
99	Direct Retail Revenue Requirements (e)			36,654,600
100	Total Local System Revenue Requirement (f) (97) + (99)			78,515,200
101	Net Requirement from Detroit Customer Class (agrees with GLWA Budget "Schedule 3A")			99,810,700

(a) Reflects proposed charges originally presented on January 24, 2019, adjusted for final \$ 2 million reduction in FY 2020 BUDGET.

(b) Net fixed monthly charge will include \$554,400 monthly credits for KWA debt service.

(c) Wholesale revenue requirements for the Detroit Customer Class.

(d) Local System revenue requirements related to Master Bond Ordinance (local debt service, etc.)

(e) Local System operating expenses (net of shared services reimbursement) and I&E deposit. Not Subject to GLWA Board approval.

(f) Preliminary, as of March 13, 2019.

Great Lakes Water Authority
 Approved FY 2020 Sewage Disposal System Allocated Revenue Requirements and Service Charges
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	Fixed Monthly <u>Charge</u> \$/mo	Annual Revenue <u>Requirement</u> \$
<u>Suburban Wholesale</u>		
1 OMID	6,313,200	75,756,600
2 Rouge Valley	4,513,500	54,161,500
3 Oakland GWK	3,772,000	45,262,900
4 Evergreen Farmington	2,903,300	34,838,500
5 SE Macomb San Dist	2,069,800	24,836,100
6 Dearborn	1,625,200	19,502,900
7 Grosse Pointe Farms	229,200	2,750,400
8 Grosse Pointe Park	151,000	1,813,100
9 Melvindale	127,800	1,533,200
10 Farmington	95,900	1,151,800
11 Center Line	86,100	1,033,100
12 Allen Park	71,200	852,800
13 Highland Park	472,500	5,669,500
14 Hamtramck	332,900	3,995,400
15 Grosse Pointe	74,500	893,300
16 Harper Woods	18,300	219,400
17 Redford Township	21,900	263,900
18 Wayne County #3	4,200	49,200
19 Subtotal "Regional Wholesale Revenues from Charges"		274,583,600
20 Industrial Specific Revenues		13,743,600
21 Subtotal "Regional Wholesale Revenues from Charges"		288,327,200
22 less: Highland Park Bad Debt		(2,260,000)
23 Total "Regional Wholesale Revenues" (a)		286,067,200
<i>* Wholesale charges will be effective July 1, 2019</i>		
Detroit Customer Class - \$		
24 Wholesale Revenue Requirement (c)		191,323,300
25 less: Ownership Benefit per Lease		(5,516,000)
26 Net Wholesale Revenue Requirement		185,807,300
27 Indirect Retail Revenue Requirements (d)		38,078,700
28 less: Use of Lease Payment for Debt Service		(3,730,800)
29 Net Indirect Retail Revenue Requirements (d)		34,347,900
30 Subtotal Subject to GLWA Board Approval (26) + (29)		220,155,200
31 Direct Retail Revenue Requirements (e)		72,472,800
32 Total Local System Revenue Requirement (29) + (31)		106,820,700
33 Net Requirement from Detroit Customer Class (a)		292,628,000

(a) Agrees with GLWA Budget "Schedule 3A"

(b) Reserved

(c) Wholesale revenue requirements for the Detroit Customer Class.

(d) Local System revenue requirements related to Master Bond Ordinance (local debt service, etc.)

(e) Preliminary, as of March 13, 2019. Local System operating expenses (net of shared services reimbursement) and I&E deposit. Not subject to GLWA Board approval.

Great Lakes Water Authority - FY 2020 Sewage Disposal System
 Industrial Specific Retail Sewer Charges
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Industrial Waste Control Charges	
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Meter Size - inches	Charge \$/mo
5/8	3.38
3/4	5.07
1	8.45
1-1/2	18.59
2	27.04
3	49.01
4	67.60
6	101.40
8	169.00
10	236.60
12	270.40
14	338.00
16	405.60
18	473.20
20	540.80
24	608.40
30	676.00
36	743.60
48	811.20

Pollutant Surcharges	
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Pollutant	Charge \$/lb
BIOCHEMICAL OXYGEN DEMAND (BOD) for concentrations > 275 mg/l	0.491
TOTAL SUSPENDED SOLIDS (TSS) for concentrations > 350 mg/l	0.499
PHOSPHORUS (P) for concentrations > 12 mg/l	7.354
FATS, OIL AND GREASE (FOG) for concentrations > 100 mg/l	0.473
SEPTAGE DISPOSAL FEE Per 500 gallons of disposal	48.00