



* Berkley * Beverly Hills * Bingham Farms * Birmingham
* Clawson * Huntington Woods * Lathrup Village * Pleasant Ridge
* Royal Oak * Southfield * Southfield Township

AGENDA

Regular Meeting – Wednesday, November 8, 2023 – 8:30 a.m.

Huntington Woods Library, 26415 Scotia

1. Meeting Called to Order
2. Roll Call, Recognition of Visitors & Public Comment
3. Approval of Agenda
4. Approval of Minutes – Regular Meeting – October 11, 2023
5. Approval of Warrants – WA-859
6. **ADMINISTRATIVE REPORTS**
 - A. 2022/23 Audit
 - B. Status of OPEB and Pension Funding
 - C. Quarterly Report – October 2023
 - D. Quarterly Legal Report
 - E. Investments – July 1, 2023 to September 30, 2023
 - F. Webster Tank Separation Project
 - G. GLWA Issues
 - H. GLWA Rate Process for 2024/25

7. ITEMS NOT ON AGENDA

8. MONTHLY REPORTS

- A. Water Consumption Reports – October 2023
- B. Budget Analysis – October 2023
- C. Budget Analysis – July 2023 – October 2023
- D. Water Samples – October 2023
- E. Precipitation – Inches (Webster Pumping Station)

Joint Meeting

- 1. Discussion Regarding General Manager Search Process

9. Adjournment

Notice: The Southeastern Oakland County Water Authority will provide necessary, reasonable auxiliary aids and services, such as signers, for the hearing impaired, or audiotapes of printed materials being considered at the meeting to individuals with disabilities. All such requests must be made at least five days prior to said meeting. Individuals with disabilities requiring auxiliary aids or services should contact the Southeastern Oakland County Water Authority by writing or calling: General Manager's Office, 3910 W. Webster Road, Royal Oak, MI 48073; (248) 288-5150.

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
Regular Meeting – October 11, 2023
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Meeting Adjourned –	11452

MINUTES OF THE REGULAR MEETING
OF THE
SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

Wednesday, October 11, 2023 – Hazel Park Community Center

The meeting was called to order at 12:32 p.m. by Mr. Jim Breuckman, Chair.

<u>Present</u>	<u>Votes</u>	<u>Municipality</u>
Shawn Young	2	Berkley
Jeff Campbell	2	Beverly Hills
Melissa Coatta	5	Birmingham
Trever Zablocki	1	Clawson
Rocco Fortura	1	Huntington Woods
Karen Miller	1	Lathrup Village
Jim Breuckman	1	Pleasant Ridge
Aaron Filipski	10	Royal Oak
Patrick Ryan	15	Southfield
Jeff Campbell	<u>1</u>	Southfield Township
 TOTAL	 39	
 <u>Absent</u>		
Kurt Jones	1	Bingham Farms

Ms. M. Coatta, representative for Birmingham (5 votes), arrived at 12:35 p.m.

Also Present

Jeff McKeen, General Manager

Robert Davis, General Counsel

Colette Farris, Organizational Development Manager

Tom Jones, Hazel Park

Scott Zielinsky, Birmingham

-11444-

Motion by Mr. P. Ryan, supported by Mr. A. Filipski:

That the agenda be approved as submitted.

Yeas: Young, Campbell, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan, Campbell
(34 votes)

Nays: None

Absent: Jones (1 vote), Coatta (5 votes)

Motion Carried.

-11445-

Motion by Mr. J. Campbell, supported by Mr. P. Ryan:

That the September 13, 2023 Regular Meeting minutes be approved as submitted.

Yeas: Young, Campbell, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan, Campbell
(34 votes)

Nays: None

Absent: Jones (1 vote), Coatta (5 votes)

Motion Carried.

-11446-

Motion by Mr. A. Filipski, supported by Ms. K. Miller:

That Warrant No. WA-858 in the amount of \$2,605,610.64 be approved and payments authorized.

ROLL CALL VOTE

Yeas: Young, Campbell, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan, Campbell
(34 votes)

Nays: None

Absent: Jones (1 vote), Coatta (5 votes)

Motion Carried.

-11447-

Motion by Mr. J. Campbell, supported by Mr. A. Filipski:

That the report on Lead and Copper Rule – System Materials Inventory and 2023 Testing be received and filed.

Yeas: Young, Campbell, Coatta, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan,
Campbell (39 votes)
Nays: None
Absent: Jones (1 vote)

Motion Carried.

-11448-

Motion by Ms. K. Miller, supported by Mr. P. Ryan:

That the report on GLWA issues be received and filed and that the methodology for calculating future refunds from GLWA be approved.

ROLL CALL VOTE

Yeas: Young, Campbell, Coatta, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan,
Campbell (39 votes)
Nays: None
Absent: Jones (1 vote)

Motion Carried.

-11449-

Motion by Mr. P. Ryan, supported by Ms. K. Miller:

That the report on the GLWA Rate Process for 2024/25 be received and filed.

Yeas: Young, Campbell, Coatta, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan,
Campbell (39 votes)
Nays: None
Absent: Jones (1 vote)

Motion Carried.

-11450-

Motion by Ms. K. Miller, supported by Mr. A. Filipski:

That the General Manager be authorized to continue the present health insurance reimbursement program for Medicare eligible retirees and their Medicare eligible spouses up to a maximum of \$123 per individual per month.

ROLL CALL VOTE

Yeas: Young, Campbell, Coatta, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan,
Campbell (39 votes)
Nays: None
Absent: Jones (1 vote)

Motion Carried.

-11451-

Motion by Mr. A. Filipski, supported by Mr. P. Ryan:

That staff proceed with background checks and staff input for four candidates for the General Manager position.

ROLL CALL VOTE

Yeas: Young, Campbell, Coatta, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan,
Campbell (39 votes)
Nays: None
Absent: Jones (1 vote)

Motion Carried.

-11452-

Motion by Mr. A. Filipski, supported by Mr. S. Young:

That the meeting be adjourned.

Yeas: Young, Campbell, Coatta, Zablocki, Fortura, Miller, Breuckman, Filipski, Ryan,
Campbell (39 votes)
Nays: None
Absent: Jones (1 vote)

The meeting was adjourned at 2:32 p.m.

APPROVED: _____

Chair

Secretary

SOCWA
CHECK WARRANT
NOVEMBER 2023

WA 859
ACCT. 1020

CHECK #	PAYEE	AMOUNT	PURPOSE
58508	Airgas USA LLC	147.47	Supplies - Webster
58509	Billings Lawn Equipment	54.39	Maintenance of Property & Grounds - Webster
58510	Employee Optical Dental Reimbursement	169.56	Employee Optical Dental Reimbursement
58511	Home Depot Credit Services	36.97	Maintenance of Equipment - Webster, Lamb
58512	Idexx Distribution Inc.	13,634.13	Regulatory Testing
58513	Infoview Systems Inc.	1,500.00	Consulting
58514	Main's Landscape Supply	122.36	Maintenance of Property & Grounds - Webster
58515	McNaughton-McKay	67.56	Maintenance - Webster
58516	Michigan Municipal Risk Mgmt.	10,567.75	Property & Liability Insurance
58517	Motor City Fasteners LLC	36.25	Maintenance - Webster
58518	O'Reilly Auto Parts	24.54	Maintenance of Equipment - Webster
58519	United States Postal Service	1,000.00	Postage
58520	Paragon Laboratories Inc	682.00	Regulatory Testing
58521	Suburban Commercial Cleaning	650.00	Office Cleaning
58522	Employee Optical Dental Reimbursement	200.00	Employee Optical Dental Reimbursement
58523	Durst Lumber Company	44.25	Maintenance, Tools - Webster
58524	Great Lakes Water Authority	2,525,586.87	Purchase of Water
58525	Davis Listman	3,241.87	Legal Services
58526	Billings Lawn Equipment	27.46	Maintenance of Property & Grounds - Webster
58527	Durst Lumber Company	32.41	Safety Maintenance - Webster, Maintenance of Building - Gare
58528	Home Depot Credit Services	248.11	Maintenance of Building - Gare, Maintenance, Supplies
58529	Main's Landscape Supply	174.56	Maintenance
58530	McNaughton-McKay	174.33	Maintenance of Building - Gare
58531	Michigan Municipal Risk Mgmt.	20,000.00	Retention Fund Contribution
58532	Plante & Moran PLLC	755.75	Consulting
58533	Southfield Muffler	863.01	Maintenance of Equipment - Webster
58534	UWA Local 413	540.00	Union Dues
58535	Billy J. Young	48.58	MERS 2023 Conference - Travel & Parking
58536	Employee Optical Dental Reimbursement	155.00	Employee Optical Dental Reimbursement
58537	TWN Consulting LLC	1,425.00	Consulting
58538	Alerus Financial	3,933.80	Deferred Compensation
58539	Paragon Laboratories Inc	248.00	Regulatory Testing
58540	Staples	503.49	Office Supplies

SOCWA
CHECK WARRANT
NOVEMBER 2023

WA 859

ACCT. 1020

CHECK #	PAYEE	AMOUNT	PURPOSE
58541	City of Birmingham	2,108.00	Reimbursement for Regulatory Testing
58542	MissionSquare	1,839.29	Deferred Compensation
58543	Colleen Wayland	92.16	MERS 2023 Conference - Travel & Parking
58544	Kim Tisler	23.05	Mileage Reimbursement
58545	Employee Optical Dental Reimbursement	148.39	Employee Optical Dental Reimbursement
58546	Michigan Graphics Awards	25.00	Maintenance of Property & Grounds - Webster
58547	Employee Optical Dental Reimbursement	771.00	Employee Optical Dental Reimbursement
58548	SOCRRA	1,044.40	Maintenance of Property & Grounds - Webster
58549	Alerus Financial	3,903.36	Deferred Compensation, HCSP, Defined Contribution
58550	Petty Cash	234.48	Reimburse Petty Cash
58551	D'Angelo Brothers Inc.	541.80	Lead Service Line Replacement - LV
58552	Blue Cross Blue Shield of Michigan	24,062.93	Health Insurance
58553	MissionSquare	1,824.51	Deferred Compensation
58554	City of Madison Heights	35.89	SOCPPWA
58555	Big D Lock City	222.00	Maintenance of Building - 14 Mile Tank Station
58556	Billings Lawn Equipment	2.86	Maintenance of Property & Grounds - Webster
58557	Lillian Dean	539.37	Maintenance of Property & Grounds - Webster
58558	Downriver Refrigeration Supply	214.20	Maintenance of Equipment - Oliver
58559	Durst Lumber Company	5.99	Supplies - Webster
58560	Eastern Oil Company	1,081.09	Maintenance of Equipment - Webster
58561	Harbor Freight Tools	12.99	Tools - Webster
58562	Home Depot Credit Services	301.52	Maintenance of Building, Tools - Webster, Maintenance of Equipment
58563	Infoview Systems Inc.	1,350.00	Consulting
58564	McNaughton-McKay	3,603.91	Maintenance of Equipment - SCADA
58565	The City of Southfield	5.42	Utilities
58566	Employee Optical Dental Reimbursement	202.00	Employee Optical Dental Reimbursement
58567	Employee Optical Dental Reimbursement	430.92	Employee Optical Dental Reimbursement
58568	Staples	298.52	Office Supplies
58569	IMEG	1,100.50	Computer Software Maintenance - Webster
58570	The Sherwin Williams Co	177.71	Maintenance of Equipment - Webster
58571	Green Meadows Lawnscape Inc	740.00	Maintenance of Property & Grounds - Samoset, Oliver
58572	Benesch	19,165.00	Maintenance
58573	Downriver Refrigeration Supply	69.79	Maintenance of Equipment - Oliver

SOCWA
CHECK WARRANT
NOVEMBER 2023

WA 859

ACCT. 1020

CHECK #	PAYEE	AMOUNT	PURPOSE
58574	Durst Lumber Company	19.95	Maintenance of Building - Webster, Maintenance of Equipment
58575	Home Depot Credit Services	101.16	Maintenance of Building, Maintenance of Equipment - Webster
58576	Oscar W. Larson Co.	125.76	Maintenance of Equipment - Webster
58577	Employee Optical Dental Reimbursement	140.00	Employee Optical Dental Reimbursement
58578	Southfield Muffler	868.10	Maintenance of Equipment - Webster
58579	Standard Insurance Company	462.46	Life Insurance
58580	Paragon Laboratories Inc	551.50	Regulatory Testing
58581	THE PRINT STOP INC.	323.50	Office Expense
58582	Suburban Commercial Cleaning	520.00	Office Cleaning
58583	City of Birmingham	20,000.00	Reimbursement for Water Quality Issue Costs
58584	Eurofins Eaton Analytical LLC	445.00	Regulatory Testing
58585	Progressive Plumbing Supply	232.45	Maintenance of Equipment - Webster
ACH	The TM Group	43.75	Accounting Software Consulting
ACH	Telnet Worldwide	228.33	Telephone
ACH	Ascentis	127.00	Monthly Time Clock Charges
EPAY	AFLAC	638.15	Supplemental Insurance
EPAY	Applied Imaging	450.38	Copier & Printer Maintenance
EPAY	AT&T	537.45	Cell Phones/Internet/Website
EPAY	BASIC	202.00	Retiree Reimbursement Quarterly Admin Fee
EPAY	Comcast	86.90	Internet/Website
EPAY	Consumers Energy	269.33	Natural Gas Service, all locations
EPAY	DTE	9,368.71	Electric Service, multiple locations
EPAY	Flagstar	1,535.69	Credit Card, Details on Page 4
EPAY	MERS of Michigan	7,766.71	Deferred Compensation
EPAY	Verizon	515.50	Internet/Website/SCADA
EPAY	WOW! Business	982.35	Internet/Website

2,699,615.65

1020 OPERATION & MAINTENANCE FUND

2,699,615.65

SOCWA
CHECK WARRANT
NOVEMBER 2023

I HEREBY CERTIFY THAT I HAVE EXAMINED THE INVOICES COVERED BY THE ABOVE VOUCHERS FOR RECEIPT OF MATERIALS OR SERVICES RENDERED AND THAT THE PRICES AND COMPUTATIONS ARE CORRECT.

Treasurer	General Manager
	Secretary

The payments listed above were presented to the Board of Trustees and were reviewed with no objection on November 8, 2023.

WA 859
ACCT. 1020

	PAYEE	AMOUNT	PURPOSE
EPAY	Flagstar Credit Card - Detail	22.99	Administrative Office Expense
		29.88	Administrative Office Expense
		11.24	Administrative Office Expense
		193.15	Maintenance
		70.00	Personnel Improvement
		70.00	Personnel Improvement
		70.00	Personnel Improvement
		699.99	Maintenance of Equipment
		125.06	Administrative Office Expense
		23.56	Administrative Office Expense
		7.49	Administrative Office Expense
		158.89	Computer Software Maintenance
		35.45	Administrative Office Expense
		17.99	Maintenance of Equipment

1,535.69

October 31, 2023

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Audit Report – 2022/23

Board Members:

This report is a summary of the audit for 2022/23. The audit will be reviewed by the Advisory Committee on November 2, 2023. The draft audit and the draft management letter, both of which were prepared by Plante & Moran, are included as separate attachments to the agenda e-mail. I will be presenting the audit to the Board at the November Board meeting. The final audit and management letter will be prepared after the Advisory Committee meeting.

The audit is an unqualified opinion, which is the best possible opinion. The auditors did not have to make any adjusting journal entries to close the books at the end of the year.

The net position of SOCWA increased by \$945,313 for the year. This was due to operating revenue being greater than operating expenses (including depreciation) by \$759,737. As of June 30, 2023, our working capital was 22.37%. This is a significant increase from the 19.07% recorded as of June 30, 2022 and is significantly higher than the 8.3% minimum level set by the Board.

Total water sales for 2022/23 were 96,133 thousand cubic feet (7.8%) greater than the sales for 2021/22. Water sales were 5.1% higher than the budgeted level.

The table below shows SOCWA's sales in million gallons per day for the past ten years.

WATER CONSUMPTION - DAILY AVERAGE (MGD)

<u>Fiscal Year</u>	<u>MGD</u>	<u>Variance (MGD) Over Previous Year</u>
2013/14	27.24	-2.45
2014/15	25.79	-1.45
2015/16	27.35	+1.56
2016/17	27.93	+0.58
2017/18	27.31	-0.62
2018/19	26.23	-1.08
2019/20	25.61	-0.62
2020/21	26.65	+1.04
2021/22	25.31	-1.34
2022/23	27.28	+1.97

BUDGET ANALYSIS

Total revenues for the fiscal year 2022/23 were \$1,379,471 (4.9%) greater than budget. Total operating expenditures for the fiscal year 2022/23 were \$257,133 (0.9%) above budget. The revenue generated in excess of operating expenditures was \$1,580,337 for the year which was \$1,122,314 more than planned. SOCWA used \$409,000 of that excess revenue to fund capital improvements.

The following is the Authority's record of expenditures based on the average cost per 1,000 cu. ft. of water.

	<u>2019/20</u>	<u>2020/21</u>	<u>2021/22</u>	<u>2022/23</u>	Change from <u>2021/22</u>
Water Purchased for Resale	\$18.43	\$18.24	\$19.46	\$19.15	- \$0.31
Operating Expenses	\$1.39	\$1.54	\$1.48	\$1.65	+ \$0.17
Fixed Charges	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	- \$0.00
	\$19.82	\$19.78	\$20.94	\$20.80	- \$0.14

NET POSITION

The net position of the Water Authority increased by \$945,313 during the 2022/23 fiscal year to a total of \$22,343,991. This increase is due to the net operating income after depreciation we incurred for the 2022/23 fiscal year. Of the total net position, \$15,655,534 is invested in capital assets, \$499,361 is restricted in our OPEB trusts and \$6,189,096 is unrestricted. The Audit Report only shows the historical record of equity and does not place an additional value for appreciation of the water plant facilities, representing the increase in construction costs over the past thirty years.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the Audit Report of the Southeastern Oakland County Water Authority for the fiscal year ending June 30, 2023, prepared by Plante & Moran, Certified Public Accountants, be received and filed."

October 17, 2023

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Status of Pension and OPEB Funding

Board Members:

The table below displays SOCWA's unfunded liabilities as of December 31, 2022 for pension liabilities (from MERS) and as of June 30, 2023 for OPEB liabilities (from the Milliman actuarial report):

Plan	Unfunded Liability
Salaried DB Pension	\$ -353,434
Union DB Pension	\$ 90,730
Salaried OPEB	\$ -307,839
Union OPEB	\$ -293,086
Union Hybrid	\$ 5,769
Salaried Hybrid	\$ 4,646
TOTAL	\$ -853,214

This same table for 2022 showed a total unfunded liability of \$-729,137. Our pension funding levels decreased over the last year due to poor market performance during 2022. The OPEB plans reflected strong investment earnings in the first six months of 2023, which were not included in the MERS pension valuations.

Our OPEB plans have been overfunded for several years. For 2023/24, we are paying the full cost of providing retiree health insurance from our OPEB trusts.

I do not anticipate making incremental contributions to either our OPEB or pension plans in our budget for 2024/25. However, incremental contributions may be required in future years to maintain fully funded plans. We should receive our next MERS actuarial statement in June 2024 and we will perform our next OPEB actuarial analysis in August of 2024. The Board will be updated regarding our funding status after those reports are received.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on Status of Pension and OPEB Liabilities be received and filed."

October 23, 2023

Board of Trustees
SOCWA

Subject: Quarterly Report – First Quarter 2023-2024

Board Members:

The SOCWA Quarterly Report – First Quarter 2023-2024 is included with your agenda packet and sent electronically as a separate attachment. Please disseminate this report to your Council/Commission members.

It is recommended that the Quarterly Report – First Quarter 2023-2024 be received and filed.

Submitted by:

Colleen Wayland
Accountant/Treasurer

Approved by:

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: “That the Quarterly Report – First Quarter 2023-2024 be received and filed.”



* Berkley * Beverly Hills * Bingham Farms * Birmingham
 * Clawson * Huntington Woods * Lathrup Village * Pleasant Ridge
 * Royal Oak * Southfield * Southfield Township

QUARTERLY REPORT October 2023

BOARD OF TRUSTEES	
Representative	Municipality
Shawn Young	City of Berkley
Jeff Campbell	Village of Beverly Hills
Kurt Jones	Village of Bingham Farms
Melissa Coatta	City of Birmingham
Trevor Zablocki	City of Clawson
Rocco Fortura	City of Huntington Woods
Karen Miller	City of Lathrup Village
Jim Breuckman	City of Pleasant Ridge
Aaron Filipski	City of Royal Oak
Pat Ryan	City of Southfield
Jeff Campbell	Township of Southfield

OFFICERS	
Chair:	Jim Breuckman
Vice Chairman:	Kurt Jones
Secretary:	Rocco Fortura
Advisory Committee:	Breuckman, Jones, Fortura, Filipski

Jeff McKeen	General Manager
Bob Jackovich	Operations Manager

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Quarterly Report - October 2023

Board Members:

Attached is a copy of the Southeastern Oakland County Water Authority's Quarterly Report covering the first three month's operation of the fiscal year 2023/24. The report contains a financial statement of the Authority's operation and an outline of projects in progress or completed during the quarter. The report also contains statistical information and other information of general interest to the members of this Authority.

BOARD OF TRUSTEES

The governing body of the Authority is a Board of Trustees, consisting of one representative from each constituent municipality. The Board held its Organization Meeting on July 12, 2023, and members were elected to serve as Officers for the fiscal year beginning July 2023. The current Officers are:

Chairman: J. Breuckman
Vice Chairman: K. Jones
Secretary: R. Fortura

Representatives on the Board are entitled to one vote for each 200 million gallons, or major fraction thereof, of water purchased during the preceding fiscal year. The number of votes of each constituent member for the fiscal year, beginning July 2023 is as follows:

Municipality	Votes
Berkley	2
Beverly Hills	2
Bingham Farms	1
Birmingham	5
Clawson	1
Huntington Woods	1
Lathrup Village	1
Pleasant Ridge	1
Royal Oak	10
Southfield	15
Southfield Township	<u>1</u>
Total:	40

The Board meets in regular session on the second Wednesday of each month for the purpose of conducting all business coming before the Board.

The Authority has entered contracts with the individual members for an indefinite period of time, but at least to July 1, 2038. These contracts obligate the Authority to supply and sell water to the member municipalities, charging for this service a rate sufficient to pay the operating costs and capital improvements.

FINANCIAL STATEMENT

The total net income before depreciation for the first 3 months of 2023/24 was \$996,904. This was \$1,029,300 lower than budgeted and is substantially lower than the net income of \$2,220,562 for the first 3 months of 2022/23.

	Actual	Compared to Budget
Revenue	\$8,834,342	- \$1,864,376
Expenses	\$7,837,438	- \$ 835,076
Net Income (before depreciation)	\$ 996,904	- \$1,029,300

Net income at this time of year is planned to be high in order to accommodate the fixed/variable rates we are charged by GLWA. GLWA is collecting 60% of their revenue through a fixed monthly charge. This results in a high fixed monthly charge but a low cost per thousand cubic feet purchased. In the first quarter of the year, our GLWA water bills were significantly less than our water sales revenue. Our GLWA water bills will be higher than our water sales revenue in the colder months. We will be using some of the net income for the first quarter to pay these higher water bills later in the fiscal year.

The decrease in revenue was almost completely due to lower than planned water sales (-\$1,885,000). Expenses were lower than planned due to lower expenses for water purchases (-\$734,000), labor (-\$37,000), utilities (-\$26,000), non-labor Administrative & General (-\$12,000), miscellaneous expenses (-\$12,000), maintenance (-\$8,000) and supplies (-\$7,000).

Water sales volumes for the first 3 months of the fiscal year were 17.6% lower than budgeted and were 16.0% lower than the previous year. The water sales volumes for the first 3 months are summarized in the table below. Water sales were significantly lower than last year due to the cool, rainy weather during the quarter.

WATER SALES – DAILY AVERAGE (MGD)

Month	2019	2020	2021	2022	2023	Over or Under 2022
July	36.06	44.53	30.75	39.81	33.77	- 6.04
August	38.35	39.57	33.02	37.13	31.19	- 5.94
September	30.00	31.16	29.77	34.10	28.27	- 5.83
Million Gals./Day	34.85	38.50	31.20	37.05	31.11	- 5.94
Variance	+10.5%	-19.0%	+18.8%	-16.0%		

PRECIPITATION - INCHES

Month	2019	2020	2021	2022	2023
July	7.15	2.46	7.15	3.06	4.25
August	3.04	7.31	5.64	4.93	5.47
September	4.84	2.72	6.00	1.89	1.42
Total:	15.03	12.49	18.79	9.88	11.14

SOCWA incurred capital expenditures of \$98,497 in the first quarter of the year for the purchase of two vehicles (\$68,000) and the purchase of a pressure reducing valve (\$30,000).

Additional financial detail is attached.

MAJOR PROJECTS

GLWA RATE INCREASE

GLWA increased their water sales rate to SOCWA by 7.3% as of July 1, 2023. This increase was lower than projected because the GLWA Board removed the costs associated with Highland Park not paying their water bills from the final GLWA rates. SOCWA increased our water sales rate to the member communities by 4.35% as of July 1, 2023. SOCWA was able to absorb some of the GLWA rate increase due to operational efficiencies on the SOCWA system. SOCWA also passed along to the member and customer communities the decrease in GLWA rates that resulted from the removal of the Highland Park unpaid bills from the final GLWA rates.

SUMMER 2023 OPERATIONS

The summer of 2023 was very poor for water sales. The consistently rainy weather greatly reduced the amount of water sold for outdoor irrigation. SOCWA water sales for the first quarter decreased by 16.0% from last year. Our maximum day occurred on June 2 when we purchased 46.22 million gallons from GLWA. This was only 0.2% lower than the maximum day for 2022 and was 24% below our GLWA contract limit. The weather deteriorated after early June, and we had only 3 days with water sales over 40 million gallons during the summer of 2023 compared with 28 days with water sales over 40 million gallons during the summer of 2022.

GREAT LAKES WATER AUTHORITY (GLWA) ISSUES

GLWA became operational on January 1, 2016. The GLWA website, www.glwater.org, is a great source of information regarding GLWA. The agendas and minutes for all Board and Board Committee meetings are posted along with procurement information about all projects being performed by GLWA.

2024/25 Water Rates

The process that will result in the rates from GLWA for 2024/25 has begun. A series of meetings are being held this fall to communicate rate information. Our proposed 2024/25 rates will be delivered by GLWA in late January 2024. GLWA is continuing to provide a high level of communication with their customers by posting data on their website prior to each meeting and then reviewing the data at each meeting. SOCWA staff will be attending each of these meetings and we will report the results at the following Board meeting. We plan to have a rate projection for the SOCWA communities for review at the February 2024 Board meeting.

GLWA Customer Outreach Program

GLWA is continuing to utilize the same Customer Outreach Program that DWSD has used for many years. SOCWA staff is continuing to participate in the GLWA Customer Outreach Process. I have been serving as one of nine elected customer co-chairs of the One Water Partnership that guides this process. Significant progress has been made in improving the level of communication and understanding between GLWA and its customers through this process, which will be a continuing effort. SOCWA continues to be a strong proponent of GLWA's customer partnering process. The Customer Outreach Program continues to be very important in maintaining the good relationship between GLWA and its customers.

Highland Park

A settlement has been reached between GLWA, Highland Park and the State of Michigan that resolves the various court actions over Highland Park's unpaid water and sewer bills. As of June 30, 2023, Highland Park owed over \$54 million in unpaid bills for water service (\$12.1 million) and sewer service (\$42.2 million). As part of this settlement, Highland Park will be using a third party to set their water and sewer rates and all water and sewer revenue will be deposited into a trust account which will pay GLWA's bills before any remaining funds are provided to Highland Park. The State of Michigan will be providing \$25 million to GLWA for sewer infrastructure projects and \$5 million for water infrastructure projects. GLWA is evaluating whether they will be able to use a portion of this money to make refunds to their customers that have seen increased costs due to Highland Park not paying their GLWA bills.

Highland Park made an incremental \$1 million payment to GLWA during the summer of 2023 under court order. GLWA refunded this amount to their water and sewer customers based on the amount of money that had been included in previous rates for Highland Park's unpaid bills. Since Highland Park's sewer bills are much larger than their water bills, only 12% of that \$1 million was credited to water customers. SOCWA's share was only \$8,200. That amount is being refunded to SOCWA's customers on their bill for October water service based on their water usage during the 2022/23 fiscal year.

WEBSTER WATER TANK SEPARATION PROJECT

We have begun working on a project to separate the two large water storage tanks at Webster Station. This \$4 million project will result in increased operational flexibility and increase the resiliency of the SOCWA water storage system. The engineering design work for this project has been completed. We applied for and received an infrastructure planning grant from Oakland County that paid for a portion of the engineering costs of this project. We also applied for a low interest loan for this project from Michigan's Drinking Water State Revolving Fund. However, our project did not have high enough priority to be included in the 2023 or 2024 programs. We are currently revisiting the construction schedule for this project.

WATER SERVICE REPLACEMENT AND VERIFICATION CONTRACTS

SOCWA has contracts in place that can be used by the member communities for the replacement of lead water services and for verifying the material type for service lines of unknown material type. The member communities with lead water services will need to replace 5% to 7% of those services each year under the new State of Michigan lead and copper rules. Having a contractor available for all the member communities could help to reduce the cost of performing this required work. Several communities have begun to use the services of the lead service line replacement contractor.

SOCWA also has a contract in place that can be used by the member communities to verify water service line material type. The State of Michigan is requiring each community to verify the material type of a random sample of about 20% of the water service lines in the community. Several communities have begun to use the services of the service line verification contractor.

PENSION FUNDING

MERS completed their annual actuarial analysis of SOCWA's pension plans. The combined union and salaried pension plans were 102% funded as of December 31, 2022. This is a slight decrease from the 106% funded as of December 31, 2021. The funding levels were 98% for the union defined benefit (DB) plan, 107% for the salaried DB plan, 97% for the salaried hybrid plan and 93% for the union hybrid plan. SOCWA has contributed substantially above the actuarially required amounts to both the salaried DB and union DB plan for several years in order to eliminate the unfunded liabilities for the plans.

ANNUAL AUDIT

Representatives of Plante & Moran conducted their annual audit in our offices during September. We are awaiting their audit report. The final audit will be reviewed with the SOCWA Audit Committee during October 2022 and will be reviewed by the SOCWA Board at their November 8, 2023 meeting.

Audit standards require SOCWA to conduct an annual actuarial valuation of our liability for Other Post Employment Benefits (OPEB or retiree health insurance). We performed this year's valuation using a tool provided by Milliman, which was significantly less expensive and much quicker than having the analysis performed by our prior actuarial firm. The valuation as of June 30, 2023 showed that the OPEB plan for salaried employees was 186.0% funded and the OPEB plan for Union employees was 137.0% funded. We are now using the OPEB trust funds to pay for all of our retiree health insurance expenses.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
INCOME STATEMENT
07/01/23 -09/30/23

	Period Actual	Period Budget	Variance
REVENUES			
SALE OF WATER MEMBERS	5,238,783.05	6,041,377.00	-802,593.95
SALE OF WATER OTHERS	3,515,279.67	4,598,156.00	-1,082,876.33
TOTAL SALE OF WATER REVENUES	8,754,062.72	10,639,533.00	-1,885,470.28
RENTALS	15,002.76	19,185.30	-4,182.54
WATER ANALYSIS & MISC	317.83	2,500.00	-2,182.17
INTEREST ON INVESTMENTS	64,958.87	37,500.00	27,458.87
GRANT REVENUE	0.00	0.00	0.00
TOTAL OTHER REVENUES	80,279.46	59,185.30	21,094.16
TOTAL REVENUES	8,834,342.18	10,698,718.30	-1,864,376.12
LEAD SERVICE REPLACEMENT	73,299.60	750,000.00	-676,700.40
EXPENSES			
PURCHASE OF WATER FOR RESALE	0.00	0.00	0.00
POWER, PUMPING & GROUNDS WEBSTER	118,771.17	162,125.02	-43,353.85
POWER, PUMPING & GROUNDS	39,046.06	82,718.54	-43,672.48
COMPUTER OPERATIONS	25,796.79	26,249.66	-452.87
PURIFICATION	32,452.75	38,631.24	-6,178.49
METERS & MAINS	68,477.76	65,689.94	2,787.82
ADMINISTRATION & GENERAL	267,445.02	278,100.00	-10,654.98
WATER IN TRANSIT	7,285,448.83	8,019,000.00	-733,551.17
TOTAL EXPENSES	7,837,438.38	8,672,514.40	-835,076.02
LEAD SERVICE LINE REPLACEMENT	73,298.60	750,000.00	-676,701.40
NET INCOME BEFORE DEPRECIATION	996,903.80	2,026,203.90	-1,029,300.10

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
STATEMENT OF REVENUES AND EXPENDITURES COMPARED WITH TOTAL BUDGET
07/01/23 - 09/30/23

	Period Actual	Total Budget 2023-2024	Remaining Budget	% Received or Expended
REVENUES				
SALE OF WATER MEMBERS	5,238,783.05	19,015,100.00	-13,776,316.95	28%
SALE OF WATER OTHERS	3,515,279.67	10,686,200.00	-7,170,920.33	33%
TOTAL SALE OF WATER REVENUES	8,754,062.72	29,701,300.00	-20,947,237.28	29%
RENTALS	15,002.76	130,999.90	-115,997.14	11%
WATER ANALYSIS & MISC	317.83	10,000.00	-9,682.17	3%
INTEREST ON INVESTMENTS	64,958.87	150,000.00	-85,041.13	43%
GRANT REVENUE	0.00	0.00	0.00	
TOTAL OTHER REVENUES	80,279.46	290,999.90	-210,720.44	
TOTAL REVENUES	8,834,342.18	29,992,299.90	-21,157,957.72	29%
LEAD SERVICE REPLACEMENT	73,299.60	2,500,000.00	-2,426,700.40	3%
EXPENSES				
PURCHASE OF WATER FOR RESALE	0.00	27,357,000.00	-27,357,000.00	0%
POWER, PUMPING & GROUNDS WEBSTER	118,771.17	595,500.08	-476,728.91	20%
POWER, PUMPING & GROUNDS	39,046.06	314,240.16	-275,194.10	12%
COMPUTER OPERATIONS	25,796.79	103,499.63	-77,702.84	25%
PURIFICATION	32,452.75	154,524.96	-122,072.21	21%
METERS & MAINS	68,477.76	263,049.76	-194,572.00	26%
ADMINISTRATION & GENERAL	267,445.02	830,300.00	-562,854.98	32%
WATER IN TRANSIT	7,285,448.83	0.00	7,285,448.83	0%
TOTAL EXPENSES	7,837,438.38	29,618,114.59	-21,780,676.21	26%
LEAD SERVICE LINE REPLACEMENT	73,298.60	2,500,000.00	-2,426,701.40	3%
NET INCOME BEFORE DEPRECIATION	996,903.80	374,185.31	622,718.49	266%
DEPRECIATION	158,756.00			
NET INCOME	838,147.80			

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
COMPARATIVE STATEMENT
07/01/23 - 09/30/23

	Period Actual 2023/2024	Period Actual 2022/2023	Over/Under
REVENUES			
SALE OF WATER	5,238,783.05	5,720,530.61	-481,747.56
SALE OF WATER OTHERS	3,515,279.67	4,238,708.28	-723,428.61
TOTAL SALE OF WATER REVENUES	8,754,062.72	9,959,238.89	-1,205,176.17
RENTALS	15,002.76	20,084.90	-5,082.14
WATER ANALYSIS-LAB & MISC	317.83	530.03	-212.20
INTEREST ON INVESTMENTS	64,958.87	14,873.96	50,084.91
GRANT REVENUE	0.00	0.00	0.00
TOTAL OTHER REVENUES	80,279.46	35,488.89	44,790.57
TOTAL REVENUES	8,834,342.18	9,994,727.78	-1,160,385.60
LEAD SERVICE LINE REPLACEMENT	73,299.60	563,556.42	-490,256.82
EXPENSES			
WATER PURCHASED FOR RESALE	0.00	0.00	0.00
WATER PURCHASE IN TRANSIT	7,285,448.83	7,307,272.70	-21,823.87
OPERATING EXPENSES	551,989.55	466,892.93	85,096.62
FIXED CHARGES	0.00	0.00	0.00
TOTAL EXPENSES	7,837,438.38	7,774,165.63	63,272.75
LEAD SERVICE LINE REPLACEMENT	73,298.60	563,576.42	-490,277.82
NET INCOME BEFORE DEPRECIATION	996,903.80	2,220,562.15	-1,223,658.35
DEPRECIATION	158,756.00	160,357.75	-1,601.75
NET INCOME	838,147.80	2,060,204.40	-1,222,056.60

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
TOTAL CHARGES
07/01/23 - 09/30/23

MUNICIPALITY	WATER CONSUMPTION CUBIC FEET	TOTAL WATER CHARGES
MEMBERS		
BERKLEY	12,665.75	242,154.81
BEVERLY HILLS	12,472.80	235,134.53
BINGHAM FARMS	3,858.20	71,821.53
BIRMINGHAM	38,995.42	729,544.88
CLAWSON	9,444.77	179,270.70
HUNTINGTON WOODS	6,550.52	124,281.94
LATHRUP VILLAGE	3,858.21	76,711.67
PLEASANT RIDGE	3,540.70	66,482.48
ROYAL OAK	67,764.32	1,292,171.11
SOUTHFIELD	112,029.04	2,131,177.30
DETROIT ZOO & RACKHAM	4,799.60	90,032.10
MEMBERS TOTAL	275,979.33	5,238,783.05
NON MEMBERS		
BLOOMFIELD HILLS	22,179.87	725,170.58
BLOOMFIELD TOWNSHIP	84,420.84	2,790,109.09
NON MEMBERS TOTAL	106,600.71	3,515,279.67
GRAND TOTAL	382,580.04	8,754,062.72

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
INCOME STATEMENT WITH AVERAGE PER CUBIC FOOT
07/01/23 - 09/30/23

	Period Actual	2023-2024 Average Per 1,000 cubic feet	2022-2023 Average Per 1,000 cubic feet
REVENUES			
SALE OF WATER	5,238,783.05	18.9825	17.9219
SALE OF WATER OTHERS	3,515,279.67	32.9761	31.0637
TOTAL SALE OF WATER REVENUES	8,754,062.72	22.8817	21.8575
RENTALS	15,002.76	0.0392	0.0441
WATER ANALYSIS-LAB & MISC	317.83	0.0008	0.0012
INTEREST ON INVESTMENTS	64,958.87	0.1698	0.0310
GRANT REVENUE	0.00	0.0000	0.00
TOTAL OTHER REVENUES	80,279.46	0.2098	0.0763
TOTAL REVENUES	8,834,342.18	23.0915	21.9337
EXPENSES			
WATER PURCHASED FOR RESALE	0.00	0.0000	0.0000
POWER, PUMPING & GROUNDS WEBSTER	118,771.17	0.3104	0.2332
POWER , PUMPING & GROUNDS	39,046.06	0.1021	0.1194
COMPUTER OPERATIONS	25,796.79	0.0674	0.0577
PURIFICATION	32,452.75	0.0848	0.0899
METERS & MAINS	68,477.76	0.1790	0.0669
ADMINISTRATIVE & GENERAL	267,445.02	0.6991	0.4662
WATER IN TRANSIT	7,285,448.83	19.0429	16.0372
TOTAL EXPENSES	7,837,438.38	20.4857	17.0705
NET INCOME BEFORE DEPRECIATION	996,903.80		
DEPRECIATION	158,756.00		
NET INCOME	838,147.80		

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
CAPITAL EXPENSES
07/01/23 - 09/30/23

Fixed Asset Expenditures

Vehicle Purchase 2023 Ford F150 Pick Up #1	32,213.00
PRV for 12 Mile Meter Station	30,204.00
Vehicle Purchase 2023 Ford F150 Pick Up #2	36,080.00
Total Expenditures	98,497.00

November 1, 2023

VIA ELECTRONIC MAIL

Mr. Jeffrey McKeen, General Manager
General Manager
SOCWA
3910 W. Webster Road
Royal Oak, MI 48073

Re: Quarterly Legal Report/SOCWA

Dear Mr. McKeen:

This letter serves as the quarterly legal report. This report is also intended to set forth the expected legal work issues in the next quarter. As the next quarter progresses, there may be new issues that require attention.

I. CURRENT PROJECTS

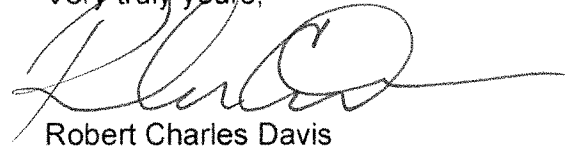
- Ongoing discussions and meetings with GLWA, representatives and attorneys on GLWA issues.
- Ongoing issues with GLWA on contract issues, rates and rate processes.
- Ongoing contract and agenda items as requested by administration.
- Ongoing issues and contracts for lead/copper municipal projects and implementation of process.
- Analyze and monitor litigation initiated by GLWA relating to Highland Park. Analyze for permissive joinder and/or judicial intervention under applicable Court Rules. Strategy with GLWA outside legal counsel.
- Analyze and monitor litigation by General Mills against GLWA. Communicate updates as necessary.
- Analyze water pressure district claims raised by Lear Corporation and related FOIA requests.
- Ongoing strategy on General Manager search and contract development.

II. NEXT QUARTER PROJECTS

Aside from the above, there are currently no new projects for next quarter. There is no litigation, threatened or pending, directly relating to a SOCWA interest.

Should you have any questions and/or concerns, please do not hesitate to call.

Very truly yours,

A handwritten signature in black ink, appearing to read "R. Davis", with a long horizontal flourish extending to the right.

Robert Charles Davis

October 23, 2023

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Investments – July 1, 2023 to September 30, 2023

Board Members:

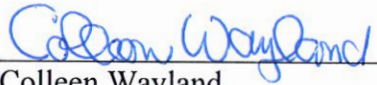
Attached is a list of investments made by the Authority during the first quarter of fiscal year 2023-2024. These investments comply with Act 79 of the Public Acts of 1979. The Authority's investment policy is to have 90% or more of all available funds invested. On September 30, 2023, the Authority had 99.9% of all funds invested and accruing interest.

The Board has authorized the General Manager to enter into agreements with Michigan First Credit Union, Flagstar, PNC, Oakland County's Local Government Investment Pool, and Michigan CLASS Local Government Investment Pool for the investment of surplus funds as provided for in Public Act 367. The attached list details interest income from these investments. The following table summarizes interest income over the prior 10 fiscal years.

Fiscal Year	Interest Earned
2013/14	42,005
2014/15	27,206
2015/16	25,148
2016/17	39,181
2017/18	61,359
2018/19	73,184
2019/20	80,659
2020/21	46,297
2021/22	31,033
2022/23	138,941
2023/24 1 st Quarter	64,959

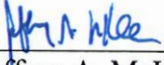
It is recommended that this report be received and filed and made a part of the Board record.

Submitted by:



Colleen Wayland
Accounting & Finance Manager

Approved by:



Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the investments report made by the Authority for July 1, 2023 to September 30, 2023 be received and filed and made a part of the Board record."

SOCWA INVESTMENTS
First Quarter FY 2024

Interest Income by Account	July	August	September	Total Interest by Account
1015 FLAGSTAR RECEIVING FUND	8.49	8.92	8.63	26.04
1015B FLAGSTAR ICS SWEEP	4,796.64	7,243.32	5,943.69	17,983.65
1020 FLAGSTAR O & M FUNDS	236.41	491.59	547.79	1,275.79
1040 MI FIRST BUSINESS MONEY MARKET	483.08	483.29	561.48	1,527.85
1045 Flagstar GLWA Escrow	147.47	158.00	154.87	460.34
1110 OAKLAND COUNTY INVESTMENT POOL	2,287.32	1,054.11	2,196.37	5,537.80
1115 FLAGSTAR SAVINGS	638.10	672.66	653.25	1,964.01
1105 FLAGSTAR CDARS	6,400.34	6,417.12	6,594.30	19,411.76
1234 MMRMA	0.00	0.00	0.00	0.00
1120 PNC INVESTMENT FUND	560.17	593.81	556.79	1,710.77
1125 Michigan CLASS Investment Pool	1,888.29	5,479.29	7,693.28	15,060.86
Total Interest by Month	17,446.31	22,602.11	24,910.45	64,958.87

Flagstar CDARS Account Summary

Account ID	Effective Date	Maturity Date	Opening Balance	Ending Balance	Yield
1026722736	01/26/23	07/27/23	301,690.61	0.00	4.21037%
1026800974	02/16/23	08/17/23	302,481.33	0.00	4.21037%
1026875648	03/09/23	09/07/23	302,481.33	0.00	4.32538%
1027048672	04/13/23	10/12/23	303,319.67	303,319.67	4.32538%
1027153166	05/04/23	11/02/23	303,319.67	303,319.67	4.32538%
1027236991	05/25/23	11/24/23	304,390.71	304,390.71	4.48806%
1027528445	07/27/23	01/25/24	0.00	508,090.95	4.67910%
1027648572	08/17/23	02/15/24	0.00	508,898.45	4.76499%
1027745551	09/07/23	03/07/24	0.00	509,075.63	4.76499%
CDARS Total				2,437,095.08	

November 3, 2023

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Webster Tank Separation Project

Board Members:

SOCWA's Webster Tank Separation Project was not funded under either of EGLE's 2023 or 2024 plans for the Drinking Water State Revolving Fund (DWSRF). For 2023, our project was ranked #57 on EGLE's priority list and only 35 projects were funded. A substantially higher number of projects were submitted for 2024 funding but only a small percentage of projects were funded. For 2024, our project was ranked #163 and only 63 projects were funded.

We are proposing to construct the first phase of this project during the 2023/24 fiscal year. The first phase consists of the installation of a 36" valve on the piping leading into our Webster pump station. This valve will allow the complete isolation of the Webster station for future construction and will also serve as an emergency isolation valve. We can accomplish the complete isolation of Webster Station with our current valving but that would require the shutdown of an extensive section of our transmission system.

Our capital budget for 2023/24 includes \$500,000 for the installation of this valve. We are proposing to bid the installation of the valve to two or three pre-selected contractors. These are contractors that both HRC and SOCWA have experience with and are capable of performing work of this type. We would request bids so that they can be reviewed at the December Board meeting. This would allow the construction to be completed before the early summer of 2024.

We are currently reviewing the timing of the construction of the remainder of this project, especially given our poor water sales in the current fiscal year. We will return to the Board with a revised project plan as we prepare our budget for 2024/25.

Respectfully Submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on the Webster Tank Separation Project be received and filed."

November 2, 2023

Board of Trustees
Southeastern Oakland County Water Authority

Subject: GLWA Issues

Board Members:

This report is intended to update the Board on the issues regarding GLWA and the Highland Park unpaid bill issue that have been discussed at recent Board meetings.

Highland Park Cases

A settlement has been reached in the Highland Park cases. The term sheet for the settlement is attached. The term sheet has been approved by the Highland Park City Council and was approved by the GLWA Board on October 25, 2023. The State must now take the actions outlined in the term sheet for the agreement to be completed.

The highlights of the settlement include:

1. All litigation is dropped.
2. The State of Michigan will release the \$25 million appropriation for sewer infrastructure that was previously approved by the legislature. The State will also provide a \$5 million contribution for GLWA water infrastructure.
3. The State will provide money for Highland Park lead service line and infrastructure replacement.
4. The State will pay for the installation of GLWA water meters and temporary sewer meters for Highland Park.
5. Highland Park will continue to use Metro Consulting to maintain their water and sewer system including billing and collections.
6. Highland Park will place all water and sewer amounts paid into a trust. The trustee will pay GLWA's invoices first.
7. Highland Park will hire an independent rate consultant to establish retail water and sewer rates.
8. Any future disputes will be resolved using expedited, mandatory arbitration.
9. Highland Park will enter into standard GLWA contracts for water and sewer service.
10. The newly installed Highland Park water meters will be used to establish GLWA's water billing factors. Highland Park will be able to reduce those factors on an annual basis if the Highland Park system flows reduce due to infrastructure repairs and replacements.

From my perspective, this is a great deal for Highland Park, a good deal for GLWA and a poor deal for GLWA customers. For the water system, the State is basically providing GLWA with 40% of the unpaid Highland Park water bills, which have already been paid for by GLWA water customers. In my view, the State should have taken full responsibility for Highland Park's unpaid water charges since the State required DWSD to supply water to Highland Park in 2012. In addition, I feel that Highland Park should have been required to contribute some money to the settlement.

The GLWA Board approved the settlement by a 5-1 vote with Brian Baker, the Macomb County representative, as the no vote. Mr. Baker wanted GLWA to approve refunding a portion of the settlement amount to their customers at the same time that the settlement was approved. It appears that GLWA is evaluating refunding 1/3 of the settlement amount to their customers. If that refund were to happen, SOCWA's share would be about \$100,000. I anticipate that GLWA will decide about the refund at their November or December Board meetings.

Main Break on 120" Water Main

SOCWA withheld \$44,984.91 from our GLWA payment that was due on June 9, 2023. This amount has been segregated in a separate account at Flagstar. The agreements required for the settlement have been approved by the GLWA and SOCRRA boards. We are awaiting receipt of the settlement amount before taking any additional action. Mr. Davis and I have been working on a one-page document that we would send to GLWA when they make their next request for assistance. We plan on sending this document to GLWA in November for their review.

GLWA Bond Ratings Upgrades

GLWA and their financial advisor are exploring the possibility of refinancing a portion of their outstanding water and sewer debt in conjunction with selling bonds to finance the next 1.5 years expenditures for their capital improvement program. As part of this proposed bond sale, GLWA is having their credit ratings reviewed by the three credit rating agencies. Moody's recently announced that they had upgraded their ratings for GLWA water and sewer debt to AA status. Both Standard and Poors and Fitch reaffirmed their existing AA and A ratings, respectively. With AA ratings from two ratings services, GLWA should be able to release some money that had been required to be retained as bond reserves. GLWA should be able to use this money to offset some of their capital expenditures.

GLWA Contract Reopener

After extensive discussions with GLWA, we were not successful in convincing the contract negotiation team that our maximum day and peak hour values should be lowered. From GLWA's perspective, the lack of hot weather this summer did not provide a sufficient test of our operating procedures. We have agreed to meet with the contract negotiation team this winter to discuss conducting a better test next summer, even if we do not have an extended period of hot weather.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on GLWA Issues be received and filed."



Judicial Resource Services PC

Facilitation - Mediation

28800 8 Mile Road, Suite 111
Farmington Hills, MI 48336

T: 248-888-9922
F: 248-888-9955

James J. Rashid
Circuit Judge, Retired

www.JRSADR.com
Dates@JRSADR.com

MEDIATION COMMUNICATION

Term Sheet– 10/18/2023

1. The Great Lakes Water Authority (GLWA), the City of Highland Park (HP), and the State of Michigan (SOM) shall enter into a settlement agreement by January 15, 2024 that incorporates the basic terms set forth below including mutually agreeable release language. The various documents referenced and necessary to effectuate this term sheet shall be attached, signed, and incorporated as a part of that agreement by that date. In addition, the Department of Environment, Great Lakes and Energy (EGLE) will either amend or replace its July 28, 2017 Administrative Consent Order (ACO) by January 15, 2024 to incorporate the terms set forth below that are specific to HP.
2. The SOM shall:
 - a. Pay for the reasonable and necessary cost to install water master meter(s) on water lines and sufficient temporary meters to estimate the sewage flow produced by HP. Metro Consulting (Metro) will be responsible for conducting the necessary work to install the meters. EGLE shall oversee that work pursuant to its regulatory authority. Metro will submit a proposal(s) to EGLE for this work, which will include the number and placement location of those meters in accordance with the provisions below. Metro will consult with GLWA in preparing the proposal(s). EGLE must approve in writing any proposal before installation of meters or implementation begins. In addition:
 - i. The water master meter(s) and temporary sewage metering devices will be installed subject to GLWA's specifications.
 - ii. The water master meter(s) shall be installed at all open points of connection between HP and GLWA.
 - iii. Upon transfer, GLWA will own, operate, and maintain the water master meter(s). HP shall be responsible for the cost of maintaining and operating the sewer meters.
 - iv. HP and GLWA shall agree to a third party and procedures to maintain and operate the sewer meters including the sharing of data produced by the meters. If the parties cannot agree to a third party or the procedures associated with operation, SOM shall identify the third party and prescribe the procedures.
 - v. HP shall have the same access to the Wholesale Automated Meter Reading (WAMR) system and Greater Detroit Regional Sewer System (GDRSS) data for the installed HP water and sewer meters as all other customer communities served by GLWA.



Judicial Resource Services PC

Facilitation - Mediation

28800 8 Mile Road, Suite 111
Farmington Hills, MI 48336

T: 248-888-9922
F: 248-888-9955

James J. Rashid
Circuit Judge, Retired

www.JRSADR.com
Dates@JRSADR.com

- vi. HP shall have the right to annually inspect the water master meter(s) and sewer meters upon request.
 - vii. Unless otherwise agreed by the parties, the water master meter(s) and sewage metering devices for HP shall be installed within one year of the execution of the settlement agreement and accompanying documents. HP shall provide full access to meter locations to complete the work timely.
- b. Pay for work necessary to complete water main and service line replacement efforts within the boundaries of HP. EGLE shall have responsibility for determining the necessary work, including conducting or supervising this work.
 - c. Release the \$25M sewer infrastructure grant funds previously allocated in the FY 2023 budget to GLWA on or before December 31, 2023 and appropriate a \$5M grant for work to be conducted by GLWA on drinking water infrastructure.
3. HP shall continue to retain Metro to operate HP's water and sewer operations, which includes all billing, collections, maintenance, and improvements. If for any reason, Metro ceases to be HP's operator, then subject to SOM's approval, HP will retain another entity to conduct these operations. Subject to all terms and conditions of the settlement agreement and the contract between GLWA and HP, beginning January 1, 2024 and on a going forward basis, HP shall pay the full amount of GLWA's monthly charges pursuant to the terms of any contract between GLWA and HP.
 4. HP will enter into contracts based on GLWA's model contract by January 15, 2024 covering the period of January 1, 2014 to December 31, 2044 for water and sewer services.
 - i. The settlement agreement and contracts shall require all amounts paid for HP water, sewer (including industrial waste control) and stormwater services be placed into a trust in which the trustee pays GLWA and any remaining amounts to HP on the same date. Any grants or loans from SOM to HP for infrastructure projects shall not be part of or included in the trust.
 - ii. Except to enforce the conditions of this term sheet and the settlement agreement, to the extent that any future disputes arise between HP and GLWA over water and sewer services, which the parties are unable to resolve within 30-days' notice of that dispute, HP and GLWA agree to resolve such disputes through expedited mandatory arbitration pursuant to Michigan statute and court rule that shall be binding upon them. For a charge or billing dispute, the trustee must place in escrow the amount in dispute.



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- iii. Once the master water meter(s) is installed, HP shall be treated as part of the master metered customer class.
 - iv. For five years commencing on the date of this agreement, the model water contract will allow for Highland Park's max day and peak hour water volume demand to be updated annually as Highland Park continues to "dry up" its system by replacing water mains and lead service lines, or completing other infrastructure improvements that would impact Highland Park's water demand requirements.
5. HP and EGLE will either revise the current ACO or replace it with a new one to incorporate the terms set forth in this term sheet that are specific to HP. That ACO shall remain effective and in effect until January 1, 2044 after which it may be terminated if HP has met all of its terms.
6. Until metering data can be used to project water and sewer charges:
- a. For services provided until December 31, 2023, HP will continue to pay or the trustee will pay on HP's behalf 65% of any and all amounts received by HP in payment of bills for water and wastewater treatment services.
 - b. Effective January 1, 2024, subject to and conditioned upon execution by all parties of the settlement agreement by January 15, 2024, GLWA will reduce HP's water charges based on reductions in usage volume due to documented repairs of leaks up to 25 percent of its current water usage.
 - c. Effective January 1, 2024, subject to and conditioned upon execution by all parties of the settlement agreement by January 15, 2024, GLWA will also provide a settlement credit of \$60,000 per month to HP on its sewage charges until June 30, 2024 subject to the following:
 - i. HP may fully participate in GLWA's share and charge process for FY 2025.
 - ii. Beginning July 1, 2024, HP shall receive the lesser of (A) the current FY 2024 sewage charges and credit or (B) the new FY 2025 share and resulting charges.
 - iii. This settlement credit will terminate no later than June 30, 2025.
7. Once 12 months of quality metering data is available to project estimated annual water and sewer flows, GLWA charges to HP shall be based on that data and future data.
8. HP shall increase its water and sewer rates by adopting an interim amended budget no later than December 2023, for the period of January 1, 2024 to June 30, 2024. For all subsequent fiscal years, Metro shall annually retain an independent rate analyst, subject to the approval of the SOM, to calculate necessary adjustments in its water



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and sewer rates to ensure that the budget for HP's water and sewer operations is sufficient to ensure payment of all GLWA charges and all overhead, maintenance, and operational costs associated with its water and sewer operations. The analyst will recommend necessary rates changes to HP and HP shall annually adjust its water and sewer rates in accordance with the recommendations of the rate analyst.

9. Upon effectuation of the settlement agreement, its attachments and related documents, including initial funding consistent with this agreement and after receipt by the trustee of one month of HP's water and sewer receipts and distribution of one month's payment of funds to GLWA under Paragraph 4.i, all litigation between GLWA, Detroit Water and Sewerage Department (DWSD), HP, or SOM shall be dismissed with prejudice according to the following:
 - a. The judgment entered in Wayne County Circuit Court Case No. 2014-001974-CK shall be released or deemed satisfied, and HP shall dismiss its pending appeal from that action (COA Case No. 367193). The court shall retain jurisdiction to enforce the terms of the settlement agreement, which will be entered by the court as a consent judgment.
 - b. HP and GLWA shall submit a proposed stipulated order of dismissal of Wayne County Circuit Court Case No. 20-011589.
 - c. HP shall dismiss its appeal (COA Case No. 362416) from Wayne County Circuit Court Case No. 22-004754-CB and shall release and waive any further challenge to GLWA's rules that were the subject of that action.
 - d. GLWA and SOM shall submit a stipulated order of dismissal of Court of Claims Case No. 2021-000151.
 - e. HP and SOM will submit a proposed stipulated order of dismissal in Court of Claims Case No. 19-000129-MZ.
 - f. HP and GLWA shall submit a proposed stipulated order setting aside the Amended Consent Judgment dated June 18, 1996 in E.D. Mich. Case No. 92-CV7677-DT and 94-CV-73135-DT
10. The \$241,418.75 cash bond deposited by HP with the U.S. District Court Clerk shall be released to GLWA from E.D. Mich. Case No. 16-cv-13840.
11. Upon approval of this term sheet by HP, SOM, and GLWA, not later than October 23, 2023, GLWA and HP shall submit a signed copy of the term sheet to, and submit a request for, a stipulated Stay of the October 24, 2023, Status Conference and all further proceedings in Judge Joseph's Case No. 14-001974 and all appellate proceedings from that case, Case COA Docket No. 367193, until January 15, 2024.
12. Upon execution and approval of this term sheet by HP, SOM, and GLWA, not later than October 27, 2023, GLWA and HP shall submit:



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a. a signed copy of the term sheet to, and submit a request for, a stipulated Stay of the November 2, 2023, Status conference and all further proceedings in Judge Berry's Case No 20-011589 until January 15, 2024.

b. a signed copy of the term sheet to, and submit a request for, a stipulated Stay of Petition for Rehearing in Banc in 6th circuit case no. 22-1288, until January 15, 2024.

c. Stipulate to a stay of all proceedings in HP's appeal (COA Case No. 362416) from Wayne County Circuit Court Case No. 22-004754-CB.

13. This term sheet is conditional and dependent upon (a) final approval of terms by the Governor, (b) appropriation of funds from the legislature to the extent necessary, and (c) approval by the governing bodies of GLWA, and any other necessary party on or before October 26, 2023.

City of Highland Park:

Great Lakes Water Authority:

Dated:

Dated:

State of Michigan:

Dated:

November 1, 2023

Board of Trustees
Southeastern Oakland County Water Authority

Subject: GLWA Rate Process for 2024/25

Board Members:

The remaining schedule for GLWA's rate process is:

November 14, 2023	Units of Service
January 11, 2024	Budget and final rates distributed
January 18, 2024	Feedback and Review

This schedule should allow me to provide an estimated SOCWA rate at the February 14, 2024 SOCWA Board meeting. I should have enough information on January 11, 2024 to provide an estimate for the communities that need a rate estimate before the February 14, 2024 Board meeting.

On October 19, 2023, GLWA provided a draft of their 10-year Capital Improvement Program. The first five years of the plan call for spending \$1,061 million, which is an 8% increase from last year's plan. This level of capital spending drives a large increase in debt and the resulting debt service payments drive annual rate increases throughout the 10-year planning period. I will be providing feedback to GLWA that their capital spending plans should be reduced in order to moderate future rate increases. The proposed increase in capital spending has no direct effect on the 2024/25 rates because the debt service costs for 2024/25 are fixed pending GLWA's upcoming bond offering and refinancing.

Respectfully submitted,

Jeffrey A. McKeen, P.E.
General Manager

Suggested Resolution: "That the report on the GLWA Rate Process for 2024/25 be received and filed."

**SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
WATER CONSUMPTION
AVERAGE M.G. PER DAY**

October 2023

<u>Purchase from Detroit</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Buchanan	0.00	0.00	0.00	0.00
Lamb	0.00	0.00	0.57	0.00
Shafter	0.02	0.22	0.39	0.00
12 Mile	7.17	6.67	5.15	7.87
14 Mile	10.03	10.63	11.30	8.80
16 Mile	0.46	0.99	1.81	0.47
Bloomfield Hills	0.99	0.90	1.73	0.97
Bloomfield Twp	<u>4.08</u>	<u>2.99</u>	<u>3.65</u>	<u>2.98</u>
Total:	22.75	22.40	24.60	21.09
<u>Sold by Authority</u>				
Berkley	0.86	0.83	0.89	0.88
Beverly Hills	0.67	0.63	0.71	0.65
Bingham Farms	0.17	0.16	0.19	0.17
Birmingham	2.04	1.97	2.32	2.07
Bloomfield Hills	0.99	0.90	1.06	0.97
Bloomfield Twp	3.99	3.16	4.09	3.45
Clawson	0.64	0.70	0.68	0.67
Huntington Woods	0.41	0.41	0.41	0.38
Lathrup Village	0.44	0.41	0.31	0.24
Pleasant Ridge	0.19	0.17	0.20	0.17
Royal Oak	4.26	4.91	5.40	4.12
Southfield	7.84	7.93	7.95	7.24
Detroit (Zoo & Rackham)	<u>0.34</u>	<u>0.32</u>	<u>0.30</u>	<u>0.25</u>
Total:	22.84	22.50	24.51	21.26
Water Sales Over or Under Water Purchased	0.09	0.10	-0.09	0.17
Per Cent	0.40%	0.45%	-0.37%	0.81%

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
INCOME STATEMENT
10/01/23 - 10/31/23

	Period Actual	Period Budget	Variance
REVENUES			
SALE OF WATER MEMBERS	1,363,147.84	1,490,459.00	(127,311.16)
SALE OF WATER OTHERS	647,353.63	729,052.00	(81,698.37)
TOTAL SALE OF WATER REVENUES	2,010,501.47	2,219,511.00	(209,009.53)
RENTALS	10,663.62	6,395.10	4,268.52
WATER ANALYSIS & MISC	259.35	1,000.00	(740.65)
INTEREST ON INVESTMENTS	32,098.18	12,500.00	19,598.18
MISCELLANEOUS REVENUE	0.00	0.00	0.00
TOTAL OTHER REVENUES	43,021.15	19,895.10	23,126.05
TOTAL REVENUES	2,053,522.62	2,239,406.10	(185,883.48)
LEAD SERVICE REPLACEMENT	541.80	250,000.00	(249,458.20)
EXPENSES			
PURCHASE OF WATER FOR RESALE	2,533,786.86	2,844,000.00	(310,213.14)
POWER, PUMPING & GROUNDS WEBSTER	55,230.72	47,868.34	7,362.38
POWER, PUMPING & GROUNDS	20,355.84	25,093.68	(4,737.84)
COMPUTER OPERATIONS	11,302.30	8,583.33	2,718.97
PURIFICATION	44,597.15	12,877.08	31,720.07
METERS & MAINS	19,036.91	21,885.48	(2,848.57)
ADMINISTRATION & GENERAL	81,932.93	50,550.00	31,382.93
TOTAL EXPENSES	2,766,242.71	3,010,857.91	(244,615.20)
LEAD SERVICE LINE REPLACEMENT	541.80	250,000.00	(249,458.20)
CURRENT PERIOD INCOME	(712,720.09)	(771,451.81)	58,731.72

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
INCOME STATEMENT
07/01/23 - 10/31/23

	Period Actual	Period Budget	Variance
REVENUES			
SALE OF WATER MEMBERS	6,601,930.89	7,531,836.00	(929,905.11)
SALE OF WATER OTHERS	4,162,633.30	5,327,208.00	(1,164,574.70)
TOTAL SALE OF WATER REVENUES	10,764,564.19	12,859,044.00	(2,094,479.81)
RENTALS	25,666.38	25,580.40	85.98
WATER ANALYSIS & MISC	577.18	3,500.00	(2,922.82)
INTEREST ON INVESTMENTS	97,057.05	50,000.00	47,057.05
MISCELLANEOUS REVENUE	0.00	0.00	0.00
TOTAL OTHER REVENUES	123,300.61	79,080.40	44,220.21
TOTAL REVENUES	10,887,864.80	12,938,124.40	(2,050,259.60)
LEAD SERVICE REPLACEMENT	73,841.40	1,000,000.00	(926,158.60)
EXPENSES			
PURCHASE OF WATER FOR RESALE	2,533,786.86	2,844,000.00	(310,213.14)
POWER, PUMPING & GROUNDS WEBSTER	174,001.89	209,993.36	(35,991.47)
POWER, PUMPING & GROUNDS	59,401.90	107,812.22	(48,410.32)
COMPUTER OPERATIONS	37,099.09	34,832.99	2,266.10
PURIFICATION	77,049.90	51,508.32	25,541.58
METERS & MAINS	87,514.67	87,575.42	(60.75)
ADMINISTRATION & GENERAL	349,377.95	328,650.00	20,727.95
IN TRANSIT	6,845,227.10	7,361,000.00	(515,772.90)
TOTAL EXPENSES	10,163,459.36	11,025,372.31	(861,912.95)
LEAD SERVICE LINE REPLACEMENT	73,840.40	1,000,000.00	(926,159.60)
CURRENT PERIOD INCOME	724,405.44	1,912,752.09	(1,188,346.65)

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

Water Supplier Bacteriological Analysis Report for the Michigan Department of Environmental Quality

System Name: S.O.C.W.A. WSSN-6150

Oakland County, Michigan

Month: **October 2023**

of Weeks: **4**

Community	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:	Date:	
(Sample Location)	Site No.	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A
City of Berkley (WSSN #0630)													
Einstein Bagel	27350 Woodward Ave.	BE-1	0.70	A	0.70	A	0.70	A	0.70	A			
Auto One	3080 11 Mile Rd.	BE-2	0.70	A	0.70	A	0.70	A	0.70	A			
DPW Building	3226 Bacon St.	BE-3	0.70	A	0.70	A	0.70	A	0.70	A			
Public Safety Building	2395 12 Mile Rd.	BE-4	0.60	A	0.60	A	0.60	A	0.60	A			
Weekly Average			0.68		0.68		0.68		0.68		#DIV/0!	0.68	
Village of Beverly Hills (WSSN #0690)													
Valvoline Oil Change	31005 Greenfield Rd.	BH-1	0.70	A	0.70	A	0.70	A	0.70	A			
Public Safety Building	18600 W. 13 Mile Rd.	BH-2	0.60	A	0.60	A	0.60	A	0.60	A			
Northbrook Church	22055 W. 14 Mile Rd.	BH-3	0.70	A	0.70	A	0.70	A	0.70	A			
Weekly Average			0.67		0.67		0.67		0.67		#DIV/0!	0.67	
Village of Bingham Farms (WSSN #0715)													
Tel Bingham Offices	30100 Telegraph Rd.	BF-1	0.70	A	0.70	A	0.70	A	0.70	A			
Butzel Long Building	32270 Telegraph Rd.	BF-2	0.70	A	0.70	A	0.70	A	0.70	A			
Weekly Average			0.70		0.70		0.70		0.70		#DIV/0!	0.70	
City of Birmingham (WSSN #0730)													
D.R.S.	925 Eton St.	BI-1	0.70	A	0.70	A	0.70	A	0.70	A			
Adams Fire Station	572 Adams Rd.	BI-2	0.60	A	0.60	A	0.60	A	0.60	A			
Police Station	151 Martin St.	BI-3	0.60	A	0.60	A	0.60	A	0.60	A			
Chesterfield Fire Station	1600 W. Maple Rd.	BI-4	0.60	A	0.60	A	0.60	A	0.60	A			
Chanelle Pastry	159 Eton	BI-5	0.70	A	0.70	A	0.70	A	0.70	A			
Weekly Average			0.64		0.64		0.64		0.64		#DIV/0!	0.64	
City of Clawson (WSSN #1440)													
Auger's Collision	726 S. Rochester Rd.	CL-1	0.70	A	0.70	A	0.70	A	0.70	A			
Police Station	425 Livernois Rd.	CL-2	0.60	A	0.60	A	0.60	A	0.60	A			
DPW Building	635 Elmwood Ave.	CL-3	0.70	A	0.70	A	0.70	A	0.70	A			
National Coney	1331 Maple Rd.	CL-4	0.70	A	0.70	A	0.70	A	0.70	A			
			0.68		0.68		0.68		0.68		#DIV/0!	0.68	
City of Huntington Woods (WSSN #3310)													
Community Center	26325 Scotia St.	HW-1	0.70	A	0.70	A	0.70	A	0.70	A			
H.W. D.P.W.	12795 W. 11 Mile Rd.	HW-2	0.70	A	0.70	A	0.70	A	0.70	A			

Community			Date:	10/05/23	Date:	10/12/23	Date:	10/19/23	Date:	10/26/23	Date:	
(Sample Location)		Site No.	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A
Rackham Golf Course	10100 W. 10 Mile Rd.	HW-3	0.60	A	0.60	A	0.60	A	0.60	A		
			0.67		0.67		0.67		0.67		#DIV/0!	0.67
City of Lathrup Village (WSSN #3800)												
DPW	19101 12 Mile Rd.	LV-1	0.70	A	0.70	A	0.70	A	0.70	A		
Hellenic Coney Island	27000 Evergreen Rd.	LV-2	0.70	A	0.70	A	0.70	A	0.70	A		
Lathrup City Hall	27400 Southfield Rd.	LV-3	0.70	A	0.70	A	0.70	A	0.70	A		
			0.70		0.70		0.70		0.70		#DIV/0!	0.70
City of Pleasant Ridge (WSSN #5390)												
D.P.W.	92 Amherst St.	PR-1	0.60	A	0.60	A	0.60	A	0.60	A		
Sunoco Station	23701 Woodward Ave.	PR-2	0.70	A	0.70	A	0.70	A	0.70	A		
Community Center	4 Ridge Rd.	PR-3	0.70	A	0.70	A	0.70	A	0.70	A		
			0.67		0.67		0.67		0.67		#DIV/0!	0.67

Cl₂ (Chlorine measured in mg/L)

P/A (Presence/Absence 100 mL/sample)

City of Royal Oak (WSSN #5830)

Subway	1411 11 Mile Rd.	RO-1	0.70	A	0.70	A	0.70	A	0.70	A		
Fire Station 6 th & Troy	216 6 th St.	RO-2	0.70	A	0.70	A	0.70	A	0.70	A		
McPeeks Citgo	1702 Crooks Rd.	RO-3	0.70	A	0.70	A	0.70	A	0.70	A		
Fire Station Wood/13	31000 Woodward Ave.	RO-4	0.60	A	0.60	A	0.60	A	0.60	A		
Midas Muffler	32700 Woodward Ave.	RO-5	0.70	A	0.70	A	0.70	A	0.70	A		
Brakes & More	2400 14 Mile Rd.	RO-6	0.70	A	0.70	A	0.70	A	0.70	A		
McDonald's	3300 Rochester Rd.	RO-7	0.70	A	0.70	A	0.70	A	0.70	A		
Howie Glass	940 Campbell Rd.	RO-8	0.70	A	0.70	A	0.70	A	0.60	A		
BP Gas	30875 Woodward Ave	RO-9	0.70	A	0.70	A	0.70	A	0.70	A		
Dunkin Donuts	1700 14 Mile	RO-10	0.70	A	0.70	A	0.70	A	0.70	A		
Sunoco	4738 Rochester Rd.	RO-11	0.70	A	0.70	A	0.70	A	0.70	A		
Burger King	1711 Main St.	RO-12	0.70	A	0.70	A	0.70	A	0.70	A		
RO DPS	1600 Campbell Rd.	RO-13	0.60	A	0.50	A	0.60	A	0.60	A		
Belle Tire	200 Stephenson Hwy	RO-14	0.70	A	0.70	A	0.70	A	0.70	A		
Shell Gas	110 Washington St.	RO-15	0.70	A	0.70	A	0.70	A	0.70	A		
			0.69		0.68		0.69		0.68		#DIV/0!	0.68

City of Southfield (WSSN #6160)

Dunkin Donuts	22111 Greenfield Rd.	SO-1	0.70	A	0.70	A	0.70	A	0.70	A		
Marathon Gas	20020 8Mile Rd.	SO-2	0.60	A	0.60	A	0.60	A	0.60	A		
JAX Car Wash	27000 8 Mile Rd.	SO-3	0.70	A	0.70	A	0.70	A	0.70	A		
Midas Muffler	24945 Telegraph Rd.	SO-4	0.70	A	0.70	A	0.70	A	0.70	A		
Comfort Suites	24977 Northwestern Hwy.	SO-5	0.70	A	0.70	A	0.70	A	0.70	A		

Community			Date:	10/05/23	Date:	10/12/23	Date:	10/19/23	Date:	10/26/23	Date:	
(Sample Location)		Site No.	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A
Walgreens	28901 Greenfield Rd.	SO-6	0.70	A	0.70	A	0.70	A	0.70	A		
Midas Muffler	26969 Greenfield Rd.	SO-7	0.70	A	0.70	A	0.70	A	0.70	A		
OCRC Garage	27900 Clara Ln.	SO-8	0.70	A	0.70	A	0.70	A	0.70	A		
JAX Car Wash	28845 Telegraph Rd.	SO-9	0.60	A	0.60	A	0.60	A	0.70	A		
Ted Lindsey Center	30503 Greenfield Rd.	SO-10	0.70	A	0.70	A	0.70	A	0.70	A		
Mobil Gas 9 Mile	18300 9 Mile Rd.	SO-11	0.60	A	0.60	A	0.60	A	0.60	A		
Stop & Go	20041 12 Mile Rd.	SO-12	0.70	A	0.70	A	0.70	A	0.70	A		
BP Gas	19995 9 Mile Rd.	SO-13	0.70	A	0.70	A	0.70	A	0.70	A		
Stacker-Z	23145 Lahser Rd.	SO-14	0.70	A	0.70	A	0.70	A	0.70	A		
Marriott	27027 Northwestern	SO-15	0.70	A	0.70	A	0.70	A	0.70	A		
Hayes Mkt.	22580 Telegraph Rd.	SO-16	0.70	A	0.70	A	0.70	A	0.70	A		
7-Eleven	26355 Telegraph Rd.	SO-17	0.70	A	0.70	A	0.70	A	0.70	A		
Burger King	26211 12 Mile Rd.	SO-18	0.70	A	0.70	A	0.70	A	0.70	A		
Mobil Gas 13 Mile	30915 Southfield Rd.	SO-19	0.70	A	0.70	A	0.70	A	0.70	A		
McDonalds	30161 Southfield Rd.	SO-20	0.70	A	0.70	A	0.70	A	0.70	A		
			0.69		0.69		0.69		0.69		#DIV/0!	0.69

Community			Date:	10/05/23	Date:	10/12/23	Date:	10/19/23	Date:	10/26/23	Date:	
(Sample Location)		Site No.	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A	Cl ₂	P/A
SOCWA Entry Points (WSSN #6150)												
Livernois Pump Station	224 Livernois Rd.	WA-1	0.70	A	0.60	A	0.60	A	0.60	A		
Lamb Pump Station	21101 Greenfield Rd.	WA-2	0.60	A	0.40	A	0.40	A	0.20	A		
Webster Pump Station	3910 W. Webster Rd.	WA-3	0.70	A	0.70	A	0.70	A	0.70	A		
**from Webster 10 MG	3910 W. Webster Rd.	WA-4	0.60	A	0.60	A	0.60	A	0.60	A		
**from Webster 7.5 MG	3910 W. Webster Rd.	WA-5	0.30	A	0.30	A	OOS	OOS	OOS	OOS		
Gare Pump Station	24570 W. 12 Mile Rd.	WA-6	0.80	A	0.80	A	0.80	A	0.80	A		
**from Gare 4.5 MG	24570 W. 12 Mile Rd.	WA-7	0.60	A	0.60	A	0.60	A	0.60	A		
14 Mile Pump Station	16111 W. 14 Mile Rd.	WA-8	0.80	A	0.80	A	0.80	A	0.80	A		
**from 14 Mile 5.0 MG	16111 W. 14 Mile Rd.	WA-9	0.60	A	0.60	A	0.60	A	0.60	A		
Samoset Elevated Tank	2721 Samoset Rd.	WA-10	0.80	A	0.80	A	0.80	A	0.80	A		
Oliver Pump Station	2443 Oliver Rd.	WA-11	0.80	A	0.80	A	0.80	A	0.80	A		
Buchanan Pump Station	24250 W. 8 Mile Rd.	WA-12	0.30	A	0.30	A	0.30	A	0.30	A		
**from Buchanan 2.5 MG	24250 W. 8 Mile Rd.	WA-13	OOS	OOS	OOS	OOS	OOS	OOS	OOS	OOS		
			0.63		0.61		0.64		0.62		#DIV/0!	0.62
Metered Connections												
Detroit Zoo	8450 W. Ten Mile Rd.	MC-1	0.70	A	0.60	A	0.70	A	0.60	A		
Beaumont Hospital	1301 13 Mile Rd.	MC-2	0.70	A	0.70	A	0.70	A	0.70	A		
			0.70		0.65		0.70		0.65			0.68
Total: Routine Municipal Samples				75		75		75		75		
Total: Water Main Construction & Misc.				3		0		5		1		
Total: Samples for Month:	309			78		75		80		76		

Method of Analysis: Analyzed per "STANDARD METHODS-for the Examination of Water and Wastewater"

Part No. 9223 B. Enzyme Substrate Test.

Examined by: Laurence Westmore

Date:

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY													
PRECIPITATION - INCHES (WEBSTER PUMPING STATION)													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1985	3.90	3.70	4.60	0.95	3.66	1.68	4.37	4.02	1.45	3.30	5.10	1.13	37.86
1986	1.68	2.73	1.74	1.91	2.10	4.62	2.79	3.10	5.48	2.48	0.95	1.95	31.53
1987	1.55	0.58	1.90	2.03	1.61	3.18	4.30	5.31	2.30	2.00	2.80	2.80	30.36
1988	0.60	1.53	0.40	1.40	1.00	0.55	2.80	2.05	3.25	3.43	2.61	0.80	20.42
1989	0.71	0.35	1.30	1.25	2.22	3.85	2.15	1.39	5.53	1.45	2.80	0.50	23.50
1990	1.52	4.18	1.40	1.95	3.00	2.25	2.03	4.30	3.90	3.70	2.35	3.40	33.98
1991	0.90	0.45	1.37	1.65	5.46	1.79	1.92	3.36	0.72	3.64	2.65	2.05	25.96
1992	1.35	1.24	2.98	2.75	0.85	2.05	6.40	2.30	3.10	1.95	4.20	1.80	30.97
1993	3.64	0.82	1.15	2.80	1.20	4.91	2.05	2.85	5.85	1.75	1.50	0.45	28.97
1994	2.15	0.55	2.20	2.70	0.70	5.21	1.30	2.77	1.20	2.33	3.02	2.20	26.33
1995	1.32	0.85	1.15	2.05	2.80	2.25	4.45	4.15	1.00	3.25	3.05	0.95	27.27
1996	1.45	1.30	1.00	3.75	3.30	4.20	1.85	0.40	4.45	2.20	2.15	1.30	27.35
1997	1.45	2.75	3.15	0.85	4.55	1.55	2.20	1.90	3.45	2.15	0.50	1.30	25.80
1998	2.80	2.85	4.60	2.86	1.65	1.75	2.80	6.85	1.00	2.05	1.00	1.45	31.66
1999	3.75	1.30	0.55	3.85	2.80	4.55	2.65	1.40	2.60	0.60	1.45	2.70	28.20
2000	1.30	0.50	1.05	3.20	4.25	5.00	4.10	2.55	4.35	2.00	1.05	2.70	32.05
2001	0.12	2.70	0.30	2.98	4.50	2.30	2.10	1.65	4.00	6.65	1.70	1.55	30.55
2002	1.55	1.45	1.10	0.65	1.90	1.05	4.35	0.70	2.85	0.96	2.00	0.90	19.46
2003	0.25	0.20	1.25	2.05	4.70	4.65	0.50	2.40	3.20	2.10	3.60	2.30	27.20
2004	2.60	0.40	2.40	0.05	6.80	2.30	2.70	3.70	0.80	1.65	2.45	3.00	28.85
2005	2.50	3.10	0.55	1.70	0.70	1.50	3.20	0.65	2.95	0.30	3.95	1.60	22.70
2006	2.50	0.95	2.95	2.05	5.20	3.30	1.60	1.90	2.56	2.90	3.00	3.40	32.31
2007	3.30	0.65	4.90	2.25	2.60	2.75	1.00	4.55	1.20	2.35	1.90	4.75	32.20
2008	2.40	3.90	1.90	0.40	1.95	3.85	3.05	0.27	6.55	1.80	3.15	4.05	33.27
2009	2.85	1.95	6.31	6.85	3.35	3.20	1.55	4.00	1.56	2.85	0.20	2.80	37.47
2010	0.80	1.65	0.67	1.80	4.30	3.40	4.95	0.25	2.70	2.20	4.30	0.70	27.72
2011	2.20	5.75	3.20	5.20	5.40	2.40	3.40	3.30	7.80	3.20	5.60	3.10	50.55
2012	2.60	0.40	2.10	0.50	1.10	0.90	3.80	4.30	2.00	1.70	0.72	0.00	20.12
2013	1.90	2.10	1.00	5.10	2.10	4.60	3.00	3.30	2.00	3.10	2.40	3.60	34.20
2014	1.30	0.70	0.80	2.60	2.40	3.10	2.70	7.20	2.20	1.70	2.40	1.20	28.30
2015	2.60	1.20	0.40	0.70	3.00	3.40	1.30	2.10	1.30	1.80	1.30	1.50	20.60
2016	0.93	0.70	2.54	0.98	1.59	0.50	2.85	2.80	4.49	1.80	1.35	1.70	29.57
2017	2.30	2.00	2.80	2.40	2.90	0.70	1.10	2.30	0.70	5.70	4.30	1.50	28.70
2018	1.43	3.25	2.01	2.20	5.25	1.14	1.08	1.36	4.34	5.37	2.71	1.60	31.74
2019	1.52	2.03	1.96	3.73	3.59	4.11	7.15	3.04	4.84	4.97	1.52	2.60	41.06
2020	4.21	1.21	3.41	1.44	3.25	2.22	2.46	7.31	2.72	3.27	2.49	5.30	39.29
2021	0.89	0.42	2.34	1.18	3.63	8.06	7.15	5.64	6.00	6.20	2.39	4.30	48.20
2022	2.43	1.69	2.52	2.66	3.69	2.71	3.06	4.93	1.89	0.53	1.28	2.60	29.99
AVG.	1.93	1.69	2.05	2.25	3.03	2.94	2.95	3.06	3.11	2.67	2.42	2.15	30.43
2023	1.48	1.76	1.63	3.92	1.07	4.77	4.25	5.47	1.42	3.14			28.91