

SOUTHEASTERN OAKLAND COUNTY

WATER AUTHORITY

BUDGET

2020/21



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SOUTHEASTERN OAKLAND COUNTY

WATER AUTHORITY  
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BOARD OF TRUSTEES

2019/20

<u>Municipality</u>	<u>Representative</u>
City of Berkley	D. Schueller
Village of Beverly Hills	C. Wilson
Village of Bingham Farms	K. Jones
City of Birmingham	A. Fletcher
City of Clawson	H. Drinkwine
City of Huntington Woods	R. Fortura
City of Lathrup Village	S. Mitchell
City of Pleasant Ridge	J. Breuckman
City of Royal Oak	A. Filipski
City of Southfield	L. Sirls
Township of Southfield	C. Wilson

General Manager  
J. A. McKeen

Operations Manager  
R. Jackovich

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

BUDGET - 2020/21

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April 30, 2020

Board of Trustees  
Southeastern Oakland County Water Authority

Subject: Proposed Budget - 2020/21

Board Members:

Attached for your consideration is a proposed budget for the fiscal year beginning July 1, 2020. This budget will be discussed at our May Board meeting. A public hearing on the budget is scheduled for Wednesday, June 10, 2020 at 8:30 a.m. at the Ferndale Library, 222 E. Nine Mile.

#### Effective date of Water Rate Increases

The GLWA Board has decided to postpone the water rate increase that was scheduled for July 1, until October 1, 2020. As a result, SOCWA will be proposing to leave the current rates unchanged until October 1, 2020.

#### Water Rate - Member Municipalities

The proposed budget is based on the current water rates for member municipalities remaining unchanged until October 1, 2020 when the rate will increase by 3.0% to an overall rate of \$17.64 per 1,000 cubic feet. I am also proposing to continue the recovery of 10% of the projected annual costs from each member and customer community through the use of a fixed monthly charge. The proposed fixed monthly charge for each community is listed on pages 12-13. The use of a fixed monthly charge also reduces the commodity rate for water sold to the member communities to \$15.88 per 1,000 cubic feet. These rates are 0.5% lower than those communicated to the board earlier this year.

#### Water Rate - Bloomfield Hills and Bloomfield Twp.

The proposed budget is based on the current water rates for Bloomfield Hills and Bloomfield Twp. remaining unchanged until October 1, 2020, when the rate will increase by 3.0% to an overall rate of \$31.09 per 1,000 cubic feet. The use of a 10% fixed monthly charge also reduces the commodity rate for water sold to the non-member communities to \$27.98 per 1,000 cubic feet.

#### Basis for the Proposed Budget

The proposed 2020/21 budget is prepared assuming that sufficient total revenue will be generated to pay for the operating costs and a portion of the capital expenses incurred during the fiscal year. The proposed budget will decrease our working capital by \$630,250 and the working capital will remain above the board approved minimum of 8.3% of annual expenses.

SOCWA has not had any outstanding debt since July 1, 2015. As a result, the bond covenants which required the budget to be prepared with a coverage ratio of 110% no longer apply.

#### Budget Assumptions

The following assumptions were used to develop the proposed budget:

1. GLWA water rates increased by 3.0% from the 2019/20 rates. This rate increase has been approved by the GLWA Board. However, this rate increase will not go into effect until October 1, 2020.
2. Union wages were increased by 3.0% for 2020/21.
3. Salaried wages were increased by 3% for 2020/21.
4. Health care costs for active employees and non-Medicare eligible retirees were projected to increase by 5% from their current levels. Health care costs for Medicare eligible retirees are projected to increase by 2% from their current levels.
5. We plan to begin to use the assets of the Health Care Savings Plans to pay the health insurance costs for our retirees. Both the salaried and union plans are over 100% funded. All costs for Medicare eligible retirees and ½ of the costs for non-Medicare eligible retirees will be paid from the Health Care Savings Plans.
6. The number of salaried employees remains unchanged from the 2019/20 budget. The number of union employees was increased by one from the 2019/20 budget and includes 2 unfilled positions.
7. Water consumption by the member communities and by Bloomfield Hills and Bloomfield Twp. was estimated as the two-year average for the 2018 and 2019 calendar years.
8. Insurance premiums were estimated as follows:
  - a. Property and Liability remained unchanged from 2019/20
  - b. Workers' Compensation increased by 10% from 2019/20
9. No contributions are budgeted for the union or salaried MERS Health Care Savings Plans. Both plans are fully funded.
10. No incremental contributions to the MERS Salaried or Union Pension Plans are budgeted. Both plans should be close to being fully funded when MERS completes the annual valuation of the plans in June 2020. Both plans are being funded at the levels required by MERS.
11. SOCWA will be paying for all MDEQ required water testing in 2020/21 including lead and copper and water quality testing.
12. The contracts for lead service line replacements will result in the expenditure of \$500,000 for lead service line replacements. These costs will be billed to the appropriate community and the resulting revenue will offset the expenditures.

#### Employees' Retirement Plan

The Authority is a member of the Michigan Municipal Employees' Retirement System (MERS). As of December 31, 2018 (the most recent data available), the plan covering the union employees hired before July 1, 2011 was 103% funded, the plan covering the union employees hired after July 1, 2011 was overfunded, the plan covering the salaried employees hired before July 1, 2011 was 91% funded and the plan covering the salaried employees hired after July 1, 2011 was 87% funded. The overall funding level was 96.2% for the combined pension plans. SOCWA has made significant contributions to the salaried pension plan since the December 2018 valuation, which will be reflected in the December 2019 valuation when it is received. For the 2020/21 fiscal year, the Authority will contribute approximately 6% of union payroll to fund the union retirement plan and 16.3% of salaried payroll to fund the salaried retirement plan. The costs for the pension plans are reduced by the contributions from the union employees and salaried employees of 2.5% and 6% of salary, respectively. MERS made significant changes to

the actuarial assumptions that were used for the December 31, 2015 valuation report, all of which served to decrease our level of funding. For 2020/21, MERS offered the opportunity to either reflect the full impact of these assumption changes or to phase-in the impact of these changes over a five-year period. The budget for 2020/21 reflects the full impact of the MERS assumption changes. MERS has notified us that they will be making additional changes to their actuarial assumptions for their December 2019 valuation. These changes will affect the pension costs for 2021/22 and future years.

Proposed Budget – 2020/21

Pages 8-11 outline the proposed Budget for the fiscal year beginning July 1, 2020. The Budget proposal sets forth the detailed estimates of all anticipated income and expenditures. Monthly estimates have been developed for each revenue and expense category. This information is not included in this package.

Following is a comparison of the proposed 2020/21 Budget with figures for the past five years:

WATER CONSUMPTION  
THOUSAND CUBIC FEET

2020/21 Budget	1,280,500
Estimated 2019/20	1,231,800
Actual 2018/19	1,279,659
Actual 2017/18	1,332,547
Actual 2016/17	1,362,947
Actual 2015/16	1,334,297

	Total Revenues	Total Expenditures	Available For Capital Improvements
2020/21 Budget	\$27,055,700	\$26,410,950	\$644,750
Estimated 2019/20	\$25,604,000	\$24,936,100	\$667,900
Actual 2018/19	\$26,419,146	\$25,336,235	\$1,082,911
Actual 2017/18	\$26,891,675	\$24,963,726	\$1,927,949
Actual 2016/17	\$27,101,948	\$24,503,263	\$2,598,685
Actual 2015/16	\$26,086,872	\$24,722,622	\$1,364,250

Estimated Water Consumption and Revenue

The table on pages 12-13 shows the volume of water projected to be used and the revenue projected from each community, including the 10% fixed charge, in the 2020/21 fiscal year. The estimated volumes and revenues for 2019/20 and the actual volumes and revenues for 2018/19 and 2017/18 are also included on pages 12-13.

Comparative Statement – Revenues and Expenses

Page 14 shows a comparative statement of revenues and expenses from the operation of the water system. The average revenue per 1,000 cubic feet of water is estimated at \$21.13.

Comparative Statement – Sale of Water

The table on page 15 shows the distribution of the quantities of water sold for each calendar month during the fiscal year. Water sales to the members of the Authority and to Bloomfield Hills and Bloomfield Twp. for 2020/21 were estimated as the two-year average for the water sales for the calendar years 2018 and 2019.

The table on page 16 shows a comparative statement illustrating the amount of water purchased by the individual member municipalities based on annual averages.

Maximum Day

Page 17 shows the allocated capacity presently assigned to the various municipalities making up the membership of the Authority.

Summary of Annual Sales

The chart on page 18 shows the history of water sales for the last eight years and also includes the projected water sales for 2019/20 and 2020/21.

Distribution of Expenses

The chart on page 19 illustrates the distribution of expenses proposed for the 2020/21 fiscal year. Approximately 88% of the expenses of the Authority are for water purchased from GLWA.

Capital Improvement and Pension Expenditures

On page 20 is a proposed list of capital improvement expenditures in the amount of \$1,275,000 for the fiscal year 2020/21. Each of the capital improvement projects will be reviewed with the Board before the project is begun.

Organizational Structure

Page 21 shows the organizational structure of the Authority, listing the number of personnel involved in the operation of the Authority.

Respectfully submitted,

Jeffrey A. McKeen, P.E.  
General Manager

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2020/21

	2020/21 Budget	2019/20 Estimate	2019/20 Budget
<b>REVENUES</b>			
Sale of Water Members	\$17,315,000	\$16,425,200	\$17,500,000
Sale of Water Others	\$9,058,700	8,971,300	9,292,400
Rentals	122,000	121,500	122,000
Water Analysis, Lab & Misc.	10,000	6,000	10,000
Interest on Investments	50,000	80,000	75,000
Grant Revenue	0	0	0
Lead Service Replacement	500,000	0	0
<b>TOTAL REVENUES</b>	<b>\$27,055,700</b>	<b>\$25,604,000</b>	<b>\$26,999,400</b>
<b>EXPENSES</b>			
<b>WATER PURCHASED</b>	<b>\$23,795,000</b>	<b>\$22,972,300</b>	<b>\$23,674,000</b>
<b>Webster Station</b>			
Operations Labor	\$61,000	\$71,000	\$55,320
System Monitoring Labor	230,100	240,000	228,725
Vacation, Personal & Longevity	91,950	115,000	94,855
Payment in lieu of sick	10,000	11,000	14,000
Gas	8,500	6,000	8,500
Electric	40,000	36,000	40,000
Maintenance of Equipment	20,000	15,000	20,000
Maintenance of Building	10,000	9,000	10,000
Maintenance of Property & Grounds	11,000	8,000	11,000
Safety Training	4,500	4,000	4,500
Safety Maintenance/Supplies	5,500	3,000	5,500
Supplies	15,000	13,000	15,000
Tools	6,000	5,000	6,000
Maintenance of Reservoirs	3,000	2,000	3,000
Maintenance of Tank	2,000	1,000	2,000
<b>Total</b>	<b>\$518,550</b>	<b>\$539,000</b>	<b>\$518,400</b>
<b>Webster Computer Operations</b>			
Labor	\$51,500	\$50,000	\$47,300
Website and Internet Connection	10,000	11,000	10,000
Computer Hardware Maintenance	15,000	9,000	15,000
Computer Software Maintenance	10,000	5,000	10,000
UPS	2,500	8,000	2,500
<b>Total</b>	<b>\$89,000</b>	<b>\$83,000</b>	<b>\$84,800</b>
<b>Shafter Pump Station</b>			
Labor	\$23,110	\$15,000	\$18,386
Gas	3,000	3,000	3,000
Electric	12,000	10,000	12,000
Maintenance of Equipment	11,000	5,000	11,000
Maintenance of Building	6,000	3,000	6,000
<b>Total</b>	<b>\$55,110</b>	<b>\$36,000</b>	<b>\$50,386</b>



SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2020/21

	2020/21 Budget	2019/20 Estimate	2019/20 Budget
<b>Lamb Pumping Station</b>			
Labor	\$23,110	\$15,000	\$18,386
Gas	2,700	1,000	2,700
Electric	9,000	6,000	9,000
Maintenance of Equipment	11,000	5,000	11,000
Maintenance of Building	<u>6,000</u>	<u>3,000</u>	<u>6,000</u>
Total	\$51,810	\$30,000	\$47,086
<b>12 Mile Meter Station</b>			
Labor	\$15,155	\$11,000	\$12,625
Gas	1,200	1,000	1,200
Electric	550	500	550
Maintenance of Equipment	2,500	1,000	2,500
Maintenance of Building	500	200	500
Maintenance of Property & Grounds	<u>500</u>	<u>300</u>	<u>500</u>
Total	\$20,405	\$14,000	\$17,875
<b>Gare Pump Station</b>			
Labor	\$28,150	\$17,000	\$21,925
Gas	5,200	4,000	5,200
Electric	13,000	10,000	13,000
Maintenance of Equipment	6,000	4,000	6,000
Maintenance of Building	2,000	1,000	2,000
Maintenance of Property & Grounds	2,000	2,000	2,000
Maintenance of Reservoir	<u>2,000</u>	<u>1,000</u>	<u>2,000</u>
Total	\$58,350	\$39,000	\$52,125
<b>Oliver Pump Station</b>			
Labor	\$11,100	\$7,000	\$9,105
Gas	2,000	1,000	2,000
Electric	2,500	2,000	2,500
Maintenance of Equipment	1,000	500	1,000
Maintenance of Building	1,000	500	1,000
Maintenance of Property & Grounds	<u>3,000</u>	<u>2,000</u>	<u>3,000</u>
Total	\$20,600	\$13,000	\$18,605
<b>14 Mile/Lahser Meter</b>			
Labor	\$10,500	\$8,000	\$9,460
Electric	600	300	600
Maintenance of Equipment	<u>4,000</u>	<u>1,700</u>	<u>4,000</u>
Total	\$15,100	\$10,000	\$14,060
<b>Quarton/Chesterfield Meter</b>			
Labor	\$10,500	\$8,000	\$9,310
Electric	600	500	600
Maintenance of Equipment	2,500	1,000	2,500
Maintenance of Property & Grounds	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$13,600	\$9,500	\$12,410

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2020/21

	2020/21 Budget	2019/20 Estimate	2019/20 Budget
<b>Bloomfield Hills Meter</b>			
Labor	\$5,500	\$2,000	\$2,300
Maintenance of Equipment	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$5,500	\$2,000	\$2,300
<b>Bloomfield Twp. Meter</b>			
Labor	\$5,500	\$2,000	\$2,330
Maintenance of Equipment	<u>\$2,000</u>	<u>\$1,000</u>	<u>\$2,000</u>
Total	\$7,500	\$3,000	\$4,330
<b>14 Mile Station</b>			
Labor	\$28,150	\$16,000	\$21,315
Gas	3,000	2,000	3,000
Electric	10,000	8,000	10,000
Maintenance of Equipment	4,000	2,000	4,000
Maintenance of Building	1,000	1,000	1,000
Maintenance of Property & Grounds	3,000	3,000	3,000
Maintenance of Reservoir	2,000	1,000	2,000
Maintenance of Tank	2,000	1,000	2,000
Maintenance of Birmingham Tanks	<u>2,000</u>	<u>1,000</u>	<u>2,000</u>
Total	\$55,150	\$35,000	\$48,315
<b>Samoset Tank</b>			
Labor	\$11,100	\$6,000	\$8,165
Gas	550	400	550
Electric	1,000	1,000	1,000
Maintenance of Tank	2,000	800	2,000
Maintenance of Equipment	1,000	400	1,000
Maintenance of Building	1,000	400	1,000
Maintenance of Property & Grounds	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>
Total	\$17,650	\$10,000	\$14,715
<b>Buchanan Station</b>			
Labor	\$11,100	\$7,000	\$8,155
Gas	1,500	1,000	1,500
Electric	500	300	500
Maintenance of Equipment	2,000	1,000	2,000
Maintenance of Building	1,000	400	1,000
Maintenance of Property & Grounds	500	200	500
Maintenance of Reservoir	<u>1,000</u>	<u>400</u>	<u>1,000</u>
Total	\$17,600	\$10,300	\$14,655
<b>Webster Lab</b>			
Labor	\$56,100	\$50,000	\$52,250
Maintenance of Equipment	1,000	1,000	1,000
Supplies	22,000	19,000	22,000
Regulatory Testing	<u>67,000</u>	<u>36,000</u>	<u>67,000</u>
Total	\$146,100	\$106,000	\$142,250
<b>Source of Supply Meters</b>			
Labor	\$40,600	\$34,000	\$33,865
Electric	9,000	7,000	9,000
Maintenance of Equipment	<u>40,000</u>	<u>35,000</u>	<u>40,000</u>
Total	\$89,600	\$76,000	\$82,865

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2020/21

	2020/21 Budget	2019/20 Estimate	2019/20 Budget
<b>Source of Supply Mains</b>			
Labor	\$25,900	\$20,000	\$20,345
Maintenance	30,000	19,000	30,000
Miss Dig	25,000	35,000	25,000
Total	\$80,900	\$74,000	\$75,345
<b>Webster Transportation</b>			
Labor	\$11,725	\$8,000	\$8,710
Maintenance of Equipment	20,000	16,000	20,000
Fuel	25,000	17,000	25,000
Total	\$56,725	\$41,000	\$53,710
<b>Administrative and General</b>			
Labor & Supervision	\$189,000	\$200,000	\$181,000
Payment in lieu of sick	13,000	6,000	12,000
Administrative and Office	48,000	48,000	27,000
Travel Conference	5,000	4,000	5,000
Personnel Improvement	5,000	4,000	5,000
Telephone - Office	4,000	9,000	10,000
Legal	7,000	7,000	7,000
Audit	18,700	23,000	18,200
Retirement Plan	102,000	112,000	110,000
Social Security	66,000	68,000	67,000
Insurance - General	35,000	35,000	34,000
Insurance - Workers Comp	15,000	8,000	15,500
Health Insurance	250,000	235,000	250,000
Life Insurance	3,000	3,000	3,000
Health Care Savings - Salaried	0	0	20,000
Health Care Savings - Union	0	30,000	30,000
Paying Agent Fee	0	0	0
Bonds	1,000	1,000	1,000
Consulting	30,000	35,000	50,000
Grant Expenses	0	0	0
Miscellaneous	5,000	5,000	5,000
Total	\$796,700	\$833,000	\$850,700
Lead Service Line Replacements	\$500,000	\$0	\$0
Total Operating Expenses	\$26,410,950	\$24,936,100	\$25,778,932
Funds Remaining	\$644,750	\$667,900	\$1,220,468
Capital and Incremental Pension Expense	\$1,275,000	\$600,000	\$725,000
Working Capital Generated	-\$630,250	\$67,900	\$495,468

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2020/21 Budget</u>	<u>2019/20 Estimate</u>	<u>2018/19</u>	<u>2017/18</u>
<b><u>BERKLEY</u></b>				
1,000 Cubic Feet	52,700	50,600	54,203	51,662
Revenue	\$921,400	\$871,200	\$934,813	\$874,628
Fixed Monthly Charge	\$7,807	\$7,580	\$7,617	\$7,103
<b><u>BEVERLY HILLS</u></b>				
1,000 Cubic Feet	39,400	37,300	39,923	40,827
Revenue	\$691,100	\$645,400	\$696,596	\$695,339
Fixed Monthly Charge	\$6,029	\$5,853	\$6,283	\$5,958
<b><u>BINGHAM FARMS</u></b>				
1,000 Cubic Feet	10,600	9,900	10,541	11,447
Revenue	\$186,600	\$172,200	\$185,256	\$194,616
Fixed Monthly Charge	\$1,677	\$1,628	\$1,770	\$1,642
<b><u>BIRMINGHAM</u></b>				
1,000 Cubic Feet	116,100	109,900	113,840	123,169
Revenue	\$2,039,500	\$1,904,500	\$1,986,553	\$2,085,955
Fixed Monthly Charge	\$18,012	\$17,487	\$17,933	\$16,994
<b><u>CLAWSON</u></b>				
1,000 Cubic Feet	38,200	35,000	41,744	38,511
Revenue	\$670,400	\$608,100	\$713,605	\$650,950
Fixed Monthly Charge	\$5,867	\$5,696	\$5,339	\$5,208
<b><u>HUNTINGTON WOODS</u></b>				
1,000 Cubic Feet	24,200	22,700	25,174	23,335
Revenue	\$423,300	\$392,000	\$432,965	\$396,631
Fixed Monthly Charge	\$3,603	\$3,498	\$3,438	\$3,339
<b><u>LATHRUP VILLAGE</u></b>				
1,000 Cubic Feet	23,000	22,600	23,112	22,798
Revenue	\$401,800	\$387,900	\$392,185	\$377,905
Fixed Monthly Charge	\$3,381	\$3,283	\$2,713	\$2,463
<b><u>PLEASANT RIDGE</u></b>				
1,000 Cubic Feet	11,100	10,300	10,821	12,137
Revenue	\$195,300	\$179,200	\$189,259	\$204,982
Fixed Monthly Charge	\$1,749	\$1,698	\$1,741	\$1,628
<b><u>ROYAL OAK</u></b>				
1,000 Cubic Feet	238,300	231,600	238,277	247,601
Revenue	\$4,176,400	\$3,992,300	\$4,140,754	\$4,207,672
Fixed Monthly Charge	\$36,141	\$35,088	\$36,097	\$35,361
<b><u>SOUTHFIELD</u></b>				
1,000 Cubic Feet	418,900	407,100	418,613	434,974
Revenue	\$7,343,600	\$7,019,700	\$7,290,627	\$7,407,609
Fixed Monthly Charge	\$63,709	\$61,853	\$64,751	\$63,434
<b><u>Detroit Zoo</u></b>				
1,000 Cubic Feet	13,400	13,300	13,625	12,800
Revenue	\$233,600	\$227,500	\$236,722	\$220,877
Fixed Monthly Charge	\$1,926	\$1,870	\$2,060	\$2,108
<b><u>Detroit Rackham Golf Course</u></b>				
1,000 Cubic Feet	1,800	1,400	1,988	1,937
Revenue	\$32,000	\$25,200	\$34,760	\$32,819
Fixed Monthly Charge	\$309	\$300	\$319	\$269

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2020/21 Budget</u>	<u>2019/20 Estimate</u>	<u>2018/19</u>	<u>2017/18</u>
<b><u>AUTHORITY MEMBERS</u></b>				
Total (1,000 Cubic Feet)	987,700	951,700	991,861	1,021,198
Revenue	\$17,315,000	\$16,425,200	\$17,234,095	\$17,349,983
Fixed Monthly Charge	\$150,210	\$145,834	\$150,061	\$145,507
<b><u>BLOOMFIELD HILLS</u></b>				
1,000 Cubic Feet	55,500	52,900	52,558	63,100
Revenue	\$1,724,000	\$1,619,700	\$1,647,518	\$1,884,411
Fixed Monthly Charge	\$15,698	\$15,241	\$16,255	\$14,761
<b><u>BLOOMFIELD TOWNSHIP</u></b>				
1,000 Cubic Feet	237,300	227,200	235,240	248,249
Revenue	\$7,334,700	\$6,917,100	\$7,259,751	\$7,448,301
Fixed Monthly Charge	\$64,062	\$62,196	\$67,653	\$63,580
<b><u>TOTAL WATER SALES</u></b>				
Total (1,000 Cubic Feet)	1,280,500	1,231,800	1,279,659	1,332,547
Total Revenue	\$26,373,700	\$24,962,000	\$26,141,364	\$26,682,695
Fixed Monthly Charge	\$229,970	\$223,271	\$233,969	\$223,848
Average Per 1,000 Cubic Feet	\$20.60	\$20.26	\$20.43	\$20.02

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

COMPARATIVE STATEMENT - REVENUES AND EXPENSES

	<u>2020/21</u>	<u>2019/20</u>	<u>2018/19</u>	<u>2017/18</u>
	Budget	Estimate		
Water Sold (1,000 cubic feet)	1,280,500	1,231,800	1,279,659	1,332,547
<u>OPERATIONS</u>				
Sale of Water-Members	\$17,315,000	\$16,425,200	\$17,234,095	\$17,349,983
Sale of Water-Non Members	9,058,700	8,971,300	8,907,269	9,332,712
<u>OTHER INCOME</u>				
Rentals	122,000	\$121,500	\$122,696	\$125,179
Water Analysis & Misc.	10,000	6,000	40,549	5,185
Interest on Investments	50,000	80,000	114,537	78,616
Grants	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Lead Service Line Replacement	<u>500,000</u>			
TOTAL:	\$682,000	\$207,500	\$277,782	\$208,980
TOTAL REVENUES	\$27,055,700	\$25,604,000	\$26,419,146	\$26,891,675
Average Income Per 1,000 Cubic Feet	\$21.13	\$20.79	\$20.65	\$20.18
<u>EXPENSES</u>				
Water Purchased for Resale	\$23,795,000	\$22,972,300	\$23,311,743	\$23,118,160
Power, Pumping and Grounds Webster	575,275	580,000	536,019	503,471
Power, Pumping and Grounds	276,270	173,300	164,656	158,560
Computer Operations	89,000	83,000	89,752	73,445
Laboratory	146,100	106,000	95,691	73,669
Mains and Meters	232,605	188,500	204,764	140,524
Administrative and General	796,700	833,000	933,610	895,897
Lead Service Line Replacements	<u>500,000</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL EXPENSES	\$26,410,950	\$24,936,100	\$25,336,235	\$24,963,726
Revenue minus Expenses	\$644,750	\$667,900	\$1,082,911	\$1,927,949
<u>Average Cost Per 1,000 Cubic Feet</u>				
Water Purchased for Resale	\$18.58	\$18.65	\$18.22	\$17.35
Operating	1.65	1.59	1.58	1.38
TOTAL	\$20.24	\$20.24	\$19.80	\$18.73

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER

MONTHLY COMPARATIVE STATEMENT

	2018/19	2018/19	2018/19	2017/18	2016/17
	Budget	Estimated			
<u>Daily Average</u>	<u>M.G.D.</u>	<u>M.G.D.</u>	<u>M.G.D.</u>	<u>M.G.D.</u>	<u>M.G.D.</u>
July	39.82	36.06	43.59	40.71	45.77
August	38.32	38.35	38.31	38.40	41.54
September	30.97	30.00	31.95	33.87	32.96
October	22.64	22.48	22.80	25.37	23.82
November	20.37	20.21	20.54	20.60	20.8
December	20.22	20.12	20.30	20.85	21.42
January	21.89	21.10	21.31	22.44	21.26
February	21.91	22.17	22.39	21.42	20.75
March	21.41	21.24	21.45	21.34	20.73
April	21.22	21.12	21.33	21.11	21.23
May	24.78	22.83	23.06	26.50	25.58
June	30.92	26.90	27.17	34.87	38.69
Daily Average for Year	26.25	25.25	26.23	27.31	27.93
Variance	4.0%	-3.7%	-4.0%	-2.2%	

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER - COMPARATIVE STATEMENT

AVERAGE MILLION GALLONS PER CALENDAR DAY

	2020/21	2019/20	2018/19	2017/18	2016/17
	Budget	Estimated			
Municipality	M.G.D.	M.G.D.	M.G.D.	M.G.D.	M.G.D.
Berkley	1.08	1.04	1.11	1.06	1.12
Beverly Hills	0.81	0.77	0.82	0.84	0.90
Bingham Farms	0.22	0.20	0.22	0.23	0.25
Birmingham	2.38	2.25	2.33	2.52	2.54
Clawson	0.78	0.72	0.86	0.79	0.73
Huntington Woods	0.50	0.47	0.52	0.48	0.49
Lathrup Village	0.47	0.46	0.47	0.47	0.32
Pleasant Ridge	0.23	0.21	0.22	0.25	0.24
Royal Oak	4.88	4.75	4.88	5.07	5.07
Southfield	8.59	8.34	8.58	8.91	9.18
Detroit - Zoo & Rackham	<u>0.31</u>	0.30	<u>0.32</u>	<u>0.39</u>	<u>0.34</u>
Authority Members	20.24	19.51	20.33	21.01	21.18
Variance	3.8%	-4.0%	-3.2%	-0.8%	
Bloomfield Hills	1.14	1.08	1.08	1.29	1.30
Bloomfield Twp.	<u>4.86</u>	<u>4.66</u>	<u>4.82</u>	<u>5.09</u>	<u>5.46</u>
Total Sales	26.25	25.25	26.23	27.39	27.94
Variance	3.9%	-3.7%	-4.2%	-2.0%	



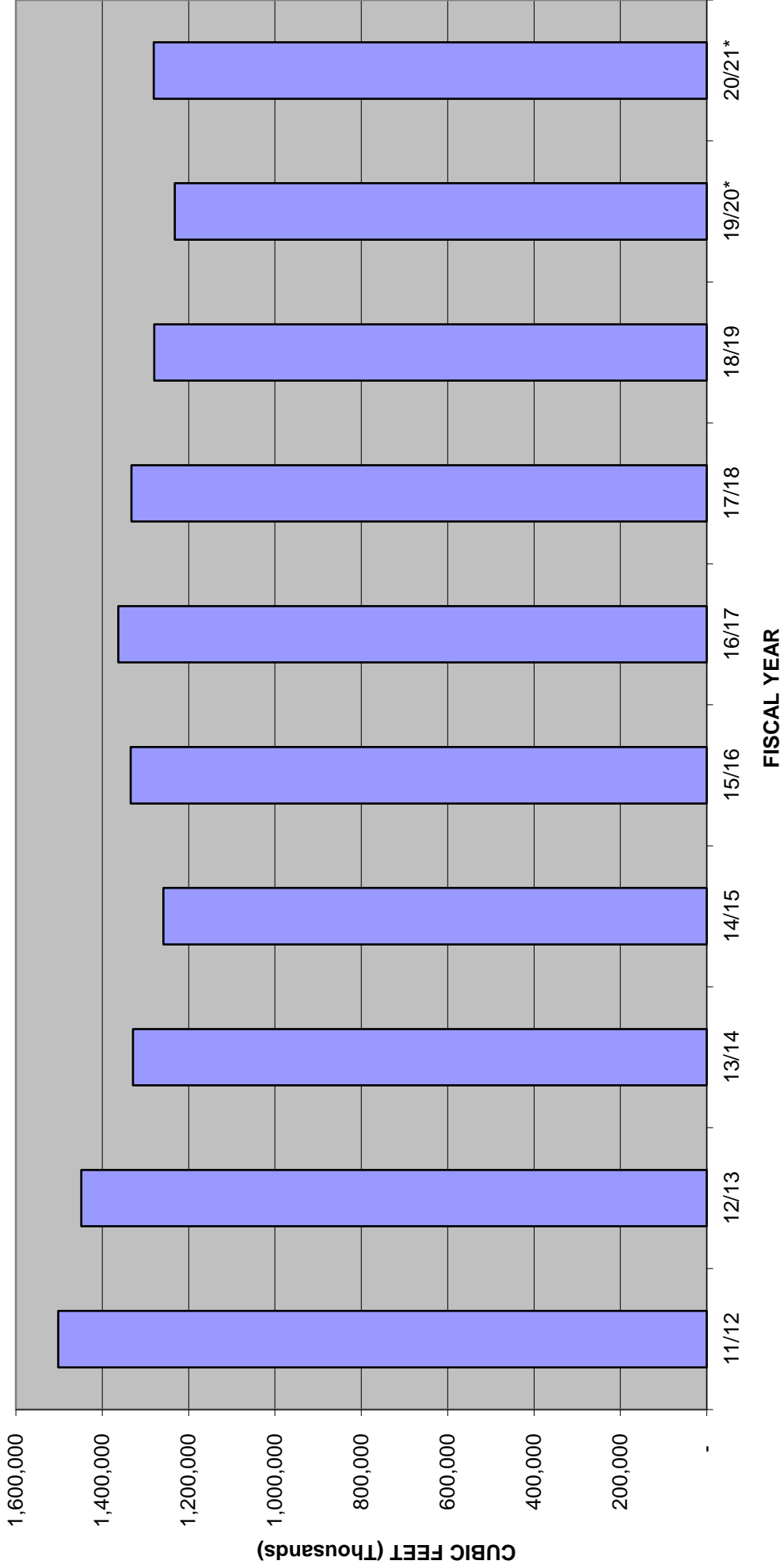
SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ALLOCATED CAPACITY - M.G.D.

MAXIMUM DAY

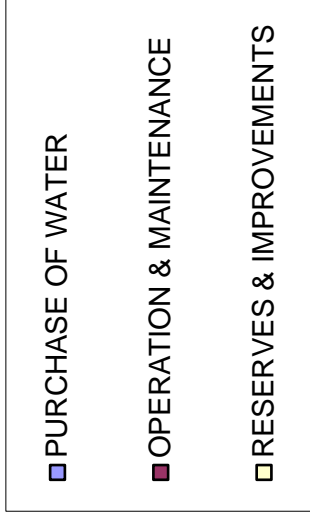
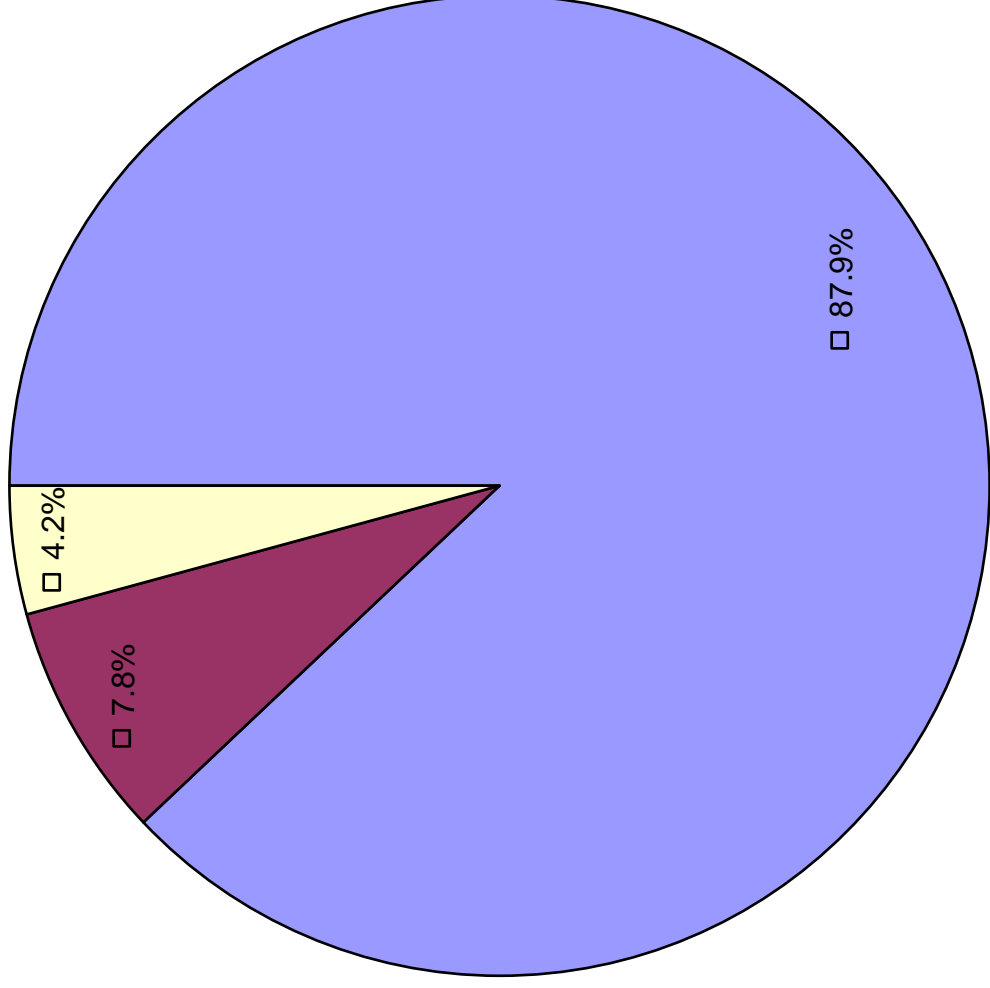
<u>Municipality</u>	2020/21	2019/20	2018/19	2017/18	2016/17
	Budget	Budget			
Berkley	5.53	5.53	5.53	5.53	5.53
Beverly Hills	7.80	7.80	7.80	7.80	7.80
Bingham Farms	1.00	1.00	1.00	1.00	1.00
Birmingham	8.49	8.49	8.49	8.49	8.49
Clawson	4.40	4.40	4.40	4.40	4.40
Huntington Woods	3.22	3.22	3.22	3.22	3.22
Lathrup Village	3.20	3.20	3.20	3.20	3.20
Pleasant Ridge	1.96	1.96	1.96	1.96	1.96
Royal Oak	21.42	21.42	21.42	21.42	21.42
Southfield	38.00	38.00	38.00	38.00	38.00
Detroit - Zoo & Rackham	<u>2.09</u>	<u>2.09</u>	<u>2.09</u>	<u>2.09</u>	<u>2.09</u>
TOTAL M.G.D.	97.11	97.11	97.11	97.11	97.11
Increased M.G.D.	-0-	-0-	-0-	-0-	-0-

# SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY SUMMARY OF ANNUAL SALES



\* Estimated

# SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY DISTRIBUTION OF EXPENSES - 2020/21\*



\* Estimated

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED CAPITAL AND PENSION EXPENDITURES

2020/21

<b>PROJECT</b>	<b>COST</b>
Replace Vehicle	\$25,000
Replace Vehicle	\$30,000
Paint and Rehab Webster Elevated Tank	\$1,000,000
Replace 14 Mile and Samoset Roofs	\$80,000
Water Meter Replacements	\$40,000
Replace PRVs at Gare Station and 14 Mile & Lahser	<u>\$100,000</u>
<b>TOTAL</b>	<b>\$1,275,000</b>

# SOCWA/SOCRRA ORGANIZATIONAL STRUCTURE

