

SOUTHEASTERN OAKLAND COUNTY

WATER AUTHORITY

BUDGET

2018/19



SOUTHEASTERN OAKLAND COUNTY
WATER AUTHORITY

BOARD OF TRUSTEES

2017/18

<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	P. O'Meara
City of Clawson	H. Drinkwine
City of Huntington Woods	R. Fortura
City of Lathrup Village	K. Marten
City of Pleasant Ridge	S. Pietrzak
City of Royal Oak	G. Rassel
City of Southfield	L. Schultz
Township of Southfield	R. Walsh

General Manager
J. A. McKeen

Operations Manager
R. Jackovich

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

BUDGET - 2018/19

I N D E X

	<u>Page</u>
Budget Message	4-7
Proposed Budget - 2018/19	8-11
Estimated Water Consumption and Revenues	12-13
Comparative Statement – Revenues & Expenses	14
Sale of Water – Monthly	15
Sale of Water – Municipalities	16
Allocated Capacity - Maximum Day	17
Summary of Annual Sales - 2009/10 - 2018/19	18
Distribution of Expenses	19
Proposed Capital Expenditures	20
Organizational Structure	21

April 30, 2018

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Proposed Budget - 2018/19

Board Members:

Attached for your consideration is a proposed budget for the fiscal year beginning July 1, 2018. This budget will be discussed at our May Board meeting. A public hearing on the budget is scheduled for Wednesday, June 13, 2018 at 8:30 a.m. at the Ferndale Library, 222 E. Nine Mile.

Water Rate - Member Municipalities

The proposed budget is based on an overall rate of \$17.41 per 1,000 cubic feet to the Authority member municipalities, which is a 2.5% increase from the rate charged for 2017/18. 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 \$15.67 per 1,000 cubic feet. These rates are identical to those communicated to the board earlier this year.

Water Rate - Bloomfield Hills and Bloomfield Twp.

The proposed budget is based on an overall rate of \$30.67 per 1,000 cubic feet to Bloomfield Hills and Bloomfield Twp., which is a 2.5% increase from the rate charged for 2017/18 for both communities. The use of a fixed monthly charge also reduces the commodity rate for water sold to the non-member communities to \$27.60 per 1,000 cubic feet.

Basis for the Proposed Budget

The proposed 2018/19 budget is prepared assuming that sufficient total revenue will be generated to pay for the operating costs, debt cost and a portion of the capital expenses incurred during the fiscal year. We do plan to use retained earnings to fund the costs for rehabilitating the water main in Coolidge Road between 13 Mile and 14 Mile Roads. The proposed budget will decrease our working capital by \$305,000 but 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 3.6% from their 2017/18 rates. Although this increase has not yet been approved by the GLWA Board, I believe this increase will be approved in June in order to become effective on July 1, 2018.
2. Union wages were increased by 3.0% for 2018/19 as called for in our existing labor agreement with the Utility Workers.

3. 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.
4. Salaried wages were increased by 3% from 2017/18.
5. The number of salaried employees remains unchanged from the 2016/17 budget and includes one open part-time position. The number of union employees remains unchanged from the 2016/17 budget and includes two open positions.
6. Water consumption by the member communities and by Bloomfield Hills and Bloomfield Twp. was estimated as the two-year average for the 2016 and 2017 calendar years.
7. Insurance premiums were estimated as follows:
 - a. Property and Liability remained unchanged from 2017/18
 - b. Workers' Compensation increased by 10% from 2017/18
8. A contribution of \$30,000 to the MERS Health Care Savings Plan for our union employees, which should reduce our OPEB liability for this plan.
9. A contribution of \$20,000 to the MERS Health Care Savings Plan for our salaried employees, which should reduce our OPEB liability for this plan.
10. An incremental contribution of \$275,000 to the MERS Salaried Pension Plan is included in the capital budget, based on advice from our auditors. This contribution is in addition to the required MERS pension amount and should fully fund the Salaried Pension Plan.

Employees' Retirement Plan

The Authority is a member of the Michigan Municipal Employees' Retirement System (MERS). As of December 31, 2016 (the most recent data available), the plan covering the union employees hired before July 1, 2011 was 85% funded, the plan covering the union employees hired after July 1, 2011 was overfunded, the plan covering the salaried employees was 81% funded and the plan covering the salaried employees hired after July 1, 2011 was 76% funded. SOCWA has made significant contributions to the salaried and union pension plans since the December 2016 valuation, which will be reflected in the December 2017 valuation when it is received. For the 2018/19 fiscal year, the Authority will contribute approximately 12.3% of union payroll to fund the union retirement plan and 25.2% 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 2018/19, 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 2018/19 reflects the full impact of the MERS assumption changes.

Proposed Budget – 2018/19

Pages 8-11 outline the proposed Budget for the fiscal year beginning July 1, 2018. 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 2018/19 Budget with figures for the past five years:

WATER CONSUMPTION
THOUSAND CUBIC FEET

2018/19 Budget	1,362,500
Estimated 2017/18	1,329,500
Actual 2016/17	1,362,947
Actual 2015/16	1,334,297
Actual 2014/15	1,258,235
Actual 2013/14	1,329,066

	Total Revenues	Total Expenditures	Available For Capital Improvements
2018/19 Budget	\$28,258,100	\$26,383,050	\$1,875,050
Estimated 2017/18	\$26,833,700	\$25,061,644	\$1,772,056
Actual 2016/17	\$27,101,948	\$24,503,263	\$2,598,685
Actual 2015/16	\$26,086,872	\$24,722,622	\$1,364,250
Actual 2014/15	\$21,123,037	\$21,586,441	-\$463,404
Actual 2013/14	\$21,816,252	\$22,178,575	-\$362,323

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 2018/19 fiscal year. The estimated volumes and revenues for 2017/18 and the actual volumes and revenues for 2016/17 and 2015/16 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 \$20.74.

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. The sales of water to the members of the Authority and to Bloomfield Hills and Bloomfield Twp. for 2018/19 were estimated as the two-year average for the water sales for the calendar years 2016 and 2017.

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 2017/18 and 2018/19.

Distribution of Expenses

The chart on page 19 illustrates the distribution of expenses proposed for the 2018/19 fiscal year. Approximately 86% 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 and an incremental pension contribution in the amount of \$2,180,000 for the fiscal year 2018/19. Each of the capital improvement projects will be reviewed with the Board before the project is begun. The lining of the Coolidge main has been approved by the Board and will be completed in the fall of 2018.

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

2018/19

	2018/19 Budget	2017/18 Estimate	2017/18 Budget
REVENUES			
Sale of Water Members	\$18,007,200	\$17,279,700	\$17,460,700
Sale of Water Others	10,068,900	9,366,500	9,400,900
Rentals	122,000	126,200	124,400
Water Analysis, Lab & Misc.	10,000	6,600	10,000
Interest on Investments	50,000	54,700	25,000
Grant Revenue	0	0	0
TOTAL REVENUES	\$28,258,100	\$26,833,700	\$27,021,000
EXPENSES			
WATER PURCHASED	\$24,250,000	\$23,180,000	\$23,500,400
Webster Station			
Operations Labor	\$65,170	\$54,300	\$60,350
System Monitoring Labor	231,475	206,000	222,250
Vacation, Personal & Longevity	108,000	120,700	102,800
Payment in lieu of sick	16,000	14,800	16,200
Gas	8,500	6,800	8,500
Electric	40,000	38,000	40,000
Maintenance of Equipment	20,000	10,600	20,000
Maintenance of Building	10,000	8,600	10,000
Maintenance of Property & Grounds	11,000	6,700	11,000
Safety Training	4,500	2,500	4,500
Safety Maintenance/Supplies	5,500	4,400	5,500
Supplies	11,000	10,100	11,000
Tools	5,000	3,600	5,000
Maintenance of Reservoirs	3,000	1,000	3,000
Maintenance of Tank	<u>2,000</u>	<u>1,000</u>	<u>2,000</u>
Total	\$541,145	\$489,100	\$522,100
Webster Computer Operations			
Labor	\$45,945	\$44,700	\$43,300
Website and Internet Connection	8,000	7,800	8,000
Computer Hardware Maintenance	15,000	12,600	9,000
Computer Software Maintenance	10,000	5,400	11,000
UPS	<u>2,150</u>	<u>1,000</u>	<u>2,150</u>
Total	\$81,095	\$71,500	\$73,450
Shafter Pump Station			
Labor	\$18,815	\$14,200	\$18,000
Gas	3,000	2,600	3,000
Electric	12,000	4,900	14,000
Maintenance of Equipment	11,000	3,900	11,000
Maintenance of Building	<u>11,000</u>	<u>3,700</u>	<u>11,000</u>
Total	\$55,815	\$29,300	\$57,000

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2018/19

	2018/19 Budget	2017/18 Estimate	2017/18 Budget
Lamb Pumping Station			
Labor	\$18,815	\$14,200	\$18,000
Gas	2,700	2,000	2,700
Electric	9,000	6,000	10,000
Maintenance of Equipment	11,000	3,800	11,000
Maintenance of Building	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>
Total	\$42,515	\$27,000	\$42,700
12 Mile Meter Station			
Labor	\$12,660	\$9,800	\$12,125
Gas	1,200	1,000	1,000
Electric	500	500	500
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	\$17,860	\$12,800	\$17,125
Gare Pump Station			
Labor	\$23,225	\$16,900	\$22,200
Gas	4,600	4,200	4,600
Electric	13,000	9,700	15,000
Maintenance of Equipment	6,000	2,000	6,000
Maintenance of Building	2,000	700	2,000
Maintenance of Property & Grounds	1,000	300	1,000
Maintenance of Reservoir	<u>2,000</u>	<u>700</u>	<u>2,000</u>
Total	\$51,825	\$34,500	\$52,800
Oliver Pump Station			
Labor	\$10,565	\$6,700	\$9,650
Gas	2,000	1,000	2,000
Electric	2,200	2,200	2,100
Maintenance of Equipment	1,000	400	1,000
Maintenance of Building	1,000	400	1,000
Maintenance of Property & Grounds	<u>3,000</u>	<u>1,000</u>	<u>3,000</u>
Total	\$19,765	\$11,700	\$18,750
14 Mile/Lahser Meter			
Labor	\$9,110	\$7,800	\$8,300
Electric	600	600	500
Maintenance of Equipment	<u>3,000</u>	<u>2,000</u>	<u>3,000</u>
Total	\$12,710	\$10,400	\$11,800
Quarton/Chesterfield Meter			
Labor	\$8,500	\$7,000	\$6,850
Electric	600	500	400
Maintenance of Equipment	2,500	1,800	2,500
Maintenance of Property & Grounds	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$11,600	\$9,300	\$9,750

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2018/19

	2018/19 Budget	2017/18 Estimate	2017/18 Budget
Bloomfield Hills Meter			
Labor	\$2,100	\$2,000	\$2,000
Maintenance of Equipment	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$2,100	\$2,000	\$2,000
Bloomfield Twp. Meter			
Labor	\$2,225	\$2,200	\$2,150
Maintenance of Equipment	<u>\$2,000</u>	<u>\$700</u>	<u>\$2,000</u>
Total	\$4,225	\$2,900	\$4,150
14 Mile Station			
Labor	\$23,140	\$16,400	\$22,100
Gas	3,000	2,400	3,000
Electric	10,000	7,800	10,000
Maintenance of Equipment	4,000	3,000	4,000
Maintenance of Building	1,000	500	1,000
Maintenance of Property & Grounds	2,000	2,000	2,000
Maintenance of Reservoir	2,000	700	2,000
Maintenance of Tank	2,000	700	2,000
Maintenance of Birmingham Tanks	<u>2,000</u>	<u>700</u>	<u>2,000</u>
Total	\$49,140	\$34,200	\$48,100
Samoset Tank			
Labor	\$9,425	\$5,300	\$8,950
Gas	550	400	550
Electric	650	700	600
Maintenance of Tank	2,000	700	2,000
Maintenance of Equipment	1,000	400	1,000
Maintenance of Building	1,000	600	1,000
Maintenance of Property & Grounds	<u>500</u>	<u>200</u>	<u>500</u>
Total	\$15,125	\$8,300	\$14,600
Buchanan Station			
Labor	\$10,950	\$8,000	\$10,950
Gas	1,500	1,400	1,100
Electric	500	300	500
Maintenance of Equipment	2,000	700	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	\$17,450	\$11,400	\$17,050
Webster Lab			
Labor	\$50,025	\$50,000	\$45,900
Maintenance of Equipment	1,000	400	1,000
Supplies	22,000	14,000	22,000
Regulatory Testing	<u>27,000</u>	<u>27,000</u>	<u>20,000</u>
Total	\$100,025	\$91,400	\$88,900
Source of Supply Meters			
Labor	\$32,310	\$29,100	\$31,325
Electric	8,500	8,000	8,000
Maintenance of Equipment	<u>35,000</u>	<u>33,200</u>	<u>35,000</u>
Total	\$75,810	\$70,300	\$74,325

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2018/19

	2018/19 Budget	2017/18 Estimate	2017/18 Budget
Source of Supply Mains			
Labor	\$26,255	\$21,000	\$26,560
Maintenance	30,000	12,300	30,000
Miss Dig	25,000	29,000	25,000
Total	\$81,255	\$62,300	\$81,560
Webster Transportation			
Labor	\$11,210	\$13,300	\$11,000
Maintenance of Equipment	20,000	18,300	20,000
Fuel	25,000	21,200	30,000
Total	\$56,210	\$52,800	\$61,000
Administrative and General			
Labor & Supervision	\$191,000	\$182,000	\$178,200
Payment in lieu of sick	5,300	4,600	5,000
Administrative and Office	27,000	27,200	27,000
Travel Conference	5,000	2,900	5,000
Personnel Improvement	5,000	5,100	5,000
Telephone - Office	10,000	8,000	12,000
Legal	5,000	6,200	5,000
Audit	17,700	17,200	17,200
Retirement Plan	154,500	176,400	173,000
Social Security	70,400	66,900	66,200
Insurance - General	37,000	12,700	33,000
Insurance - Workers Comp	13,000	12,200	15,000
Health Insurance	247,500	235,544	278,000
Life Insurance	2,980	3,100	2,400
Health Care Savings-Salaried	20,000	20,000	20,000
Health Care Savings-Union	30,000	30,000	40,000
Paying Agent Fee	0	0	0
Bonds	1,000	1,000	1,000
Consulting	50,000	34,000	150,000
Grant Expenses	0	0	0
Miscellaneous	5,000	5,400	5,000
Total	\$897,380	\$850,444	\$1,038,000
Total Operating Expenses	\$26,383,050	\$25,061,644	\$25,735,560
Funds Remaining	\$1,875,050	\$1,772,056	\$1,285,440
Capital and Incremental Pension Expense	\$2,180,000	\$644,000	\$1,115,000
Working Capital Generated	-\$304,950	\$1,128,056	\$170,440

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2018/19 Budget</u>	<u>2017/18 Estimate</u>	<u>2016/17</u>	<u>2015/16</u>
<u>BERKLEY</u>				
1,000 Cubic Feet	52,500	52,400	54,613	51,593
Revenue	\$914,000	\$914,900	\$906,317	\$845,056
Fixed Monthly Charge	\$7,617	\$7,103	\$6,668	\$6,661
<u>BEVERLY HILLS</u>				
1,000 Cubic Feet	43,300	41,900	44,066	42,109
Revenue	\$753,900	\$742,300	\$733,118	\$695,500
Fixed Monthly Charge	\$6,283	\$5,958	\$5,533	\$5,919
<u>BINGHAM FARMS</u>				
1,000 Cubic Feet	12,200	11,500	12,142	11,548
Revenue	\$212,400	\$204,600	\$200,853	\$189,543
Fixed Monthly Charge	\$1,770	\$1,642	\$1,429	\$1,524
<u>BIRMINGHAM</u>				
1,000 Cubic Feet	123,600	120,900	123,889	118,409
Revenue	\$2,151,900	\$2,089,500	\$2,064,386	\$1,952,114
Fixed Monthly Charge	\$17,933	\$16,994	\$15,829	\$16,343
<u>CLAWSON</u>				
1,000 Cubic Feet	36,800	36,800	35,515	37,128
Revenue	\$640,700	\$601,900	\$600,034	\$613,556
Fixed Monthly Charge	\$5,339	\$5,208	\$5,225	\$5,246
<u>HUNTINGTON WOODS</u>				
1,000 Cubic Feet	23,700	22,800	23,711	23,593
Revenue	\$412,600	\$400,700	\$397,074	\$389,435
Fixed Monthly Charge	\$3,438	\$3,339	\$3,194	\$3,296
<u>LATHRUP VILLAGE</u>				
1,000 Cubic Feet	18,700	18,700	15,405	19,055
Revenue	\$325,600	\$263,300	\$260,649	\$311,599
Fixed Monthly Charge	\$2,713	\$2,463	\$2,298	\$2,418
<u>PLEASANT RIDGE</u>				
1,000 Cubic Feet	12,000	12,100	11,553	11,824
Revenue	\$208,900	\$195,300	\$193,113	\$193,977
Fixed Monthly Charge	\$1,741	\$1,628	\$1,527	\$1,552
<u>ROYAL OAK</u>				
1,000 Cubic Feet	248,800	247,700	247,413	246,847
Revenue	\$4,331,600	\$4,186,300	\$4,164,789	\$4,079,174
Fixed Monthly Charge	\$36,097	\$35,361	\$35,119	\$34,869
<u>SOUTHFIELD</u>				
1,000 Cubic Feet	446,300	436,700	447,893	444,007
Revenue	\$7,770,100	\$7,574,600	\$7,523,992	\$7,344,015
Fixed Monthly Charge	\$64,751	\$63,434	\$62,281	\$63,283
<u>Detroit Zoo</u>				
1,000 Cubic Feet	14,200	13,000	14,588	14,276
Revenue	\$247,200	\$246,900	\$244,754	\$228,543
Fixed Monthly Charge	\$2,060	\$2,108	\$2,003	\$1,401
<u>Detroit Rackham Golf Course</u>				
1,000 Cubic Feet	2,200	2,100	1,894	2,470
Revenue	\$38,300	\$32,300	\$30,501	\$45,861
Fixed Monthly Charge	\$319	\$269	\$154	\$769

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2018/19 Budget</u>	<u>2017/18 Estimate</u>	<u>2016/17</u>	<u>2015/16</u>
<u>AUTHORITY MEMBERS</u>				
Total (1,000 Cubic Feet)	1,034,300	1,016,600	1,032,682	1,022,859
Revenue	\$18,007,200	\$17,452,600	\$17,319,580	\$16,888,373
Fixed Monthly Charge	\$150,061	\$145,507	\$141,260	\$143,281
<u>BLOOMFIELD HILLS</u>				
1,000 Cubic Feet	63,600	63,300	63,614	58,143
Revenue	\$1,950,600	\$1,884,500	\$1,855,698	\$1,695,900
Fixed Monthly Charge	\$16,255	\$14,761	\$13,259	\$14,622
<u>BLOOMFIELD TOWNSHIP</u>				
1,000 Cubic Feet	264,700	249,600	266,651	253,295
Revenue	\$8,118,300	\$7,915,600	\$7,787,149	\$7,341,200
Fixed Monthly Charge	\$67,653	\$63,580	\$56,297	\$59,795
<u>TOTAL WATER SALES</u>				
Total (1,000 Cubic Feet)	1,362,600	1,329,500	1,362,947	1,334,297
Total Revenue	\$28,076,100	\$27,252,700	\$26,962,427	\$25,925,473
Fixed Monthly Charge	\$233,969	\$223,848	\$210,816	\$217,698
Average Per 1,000 Cubic Feet	\$20.60	\$20.50	\$19.78	\$19.43

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
COMPARATIVE STATEMENT - REVENUES AND EXPENSES

	<u>2018/19</u>	<u>2017/18</u>	<u>2016/17</u>	<u>2015/16</u>
	Budget	Estimate		
Water Sold (1,000 cubic feet)	1,362,600	1,329,500	1,362,947	1,334,297
<u>OPERATIONS</u>				
Sale of Water-Members	\$18,007,200	\$17,279,700	\$17,319,580	\$16,888,373
Sale of Water-Non Members	10,068,900	\$9,366,500	9,642,847	9,037,100
<u>OTHER INCOME</u>				
Rentals	122,000	\$126,200	\$122,836	\$107,404
Water Analysis & Misc.	10,000	6,600	-22,496	28,847
Interest on Investments	50,000	54,700	39,181	25,148
Grants	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL:	\$182,000	\$187,500	\$139,521	\$161,399
<u>TOTAL REVENUES</u>				
TOTAL REVENUES	\$28,258,100	\$26,833,700	\$27,101,948	\$26,086,872
Average Income Per 1,000 Cubic Feet	\$20.74	\$20.18	\$19.88	\$19.55
<u>EXPENSES</u>				
Water Purchased for Resale	\$24,250,000	\$23,180,000	\$22,434,129	\$22,846,992
Power, Pumping and Grounds Webster	597,355	541,900	484,300	522,080
Power, Pumping and Grounds	300,130	193,800	232,900	164,620
Computer Operations	81,095	71,500	77,989	66,923
Laboratory	100,025	91,400	84,473	76,898
Mains and Meters	157,065	132,600	126,756	114,993
Administrative and General	<u>897,380</u>	<u>850,444</u>	<u>1,062,716</u>	<u>930,116</u>
TOTAL EXPENSES	\$26,383,050	\$25,061,644	\$24,503,263	\$24,722,622
<u>Revenue minus Expenses</u>				
Revenue minus Expenses	\$1,875,050	\$1,772,056	\$2,598,685	\$1,364,250
<u>Average Cost Per 1,000 Cubic Feet</u>				
Water Purchased for Resale	\$17.80	\$17.44	\$16.46	\$17.12
Operating	1.57	1.42	1.52	1.41
TOTAL	\$19.36	\$18.85	\$17.98	\$18.53

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER

MONTHLY COMPARATIVE STATEMENT

	2018/19	2017/18	2016/17	2015/16	2014/15
	Budget	Estimated			
Daily Average	M.G.D.	M.G.D.	M.G.D.	M.G.D.	M.G.D.
July	43.25	40.71	45.77	34.59	36.61
August	39.96	38.41	41.54	37.06	32.91
September	33.42	33.87	32.96	33.86	28.27
October	24.59	25.37	23.82	25.69	23.09
November	20.70	20.60	20.8	21.19	21.76
December	20.85	20.85	21.42	20.66	21.24
January	21.41	21.05	21.26	21.57	22.37
February	21.43	20.54	20.75	21.33	22.92
March	20.83	20.53	20.73	20.90	23.04
April	21.37	21.02	21.23	21.51	22.25
May	26.50	25.32	25.58	27.41	25.93
June	40.05	38.30	38.69	41.40	28.71
Daily Average for Year	27.93	27.26	27.93	27.35	25.79
Variance	2.5%	-2.4%	2.1%	6.0%	#DIV/0!

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER - COMPARATIVE STATEMENT

AVERAGE MILLION GALLONS PER CALENDAR DAY

	2018/19	2017/18	2016/17	2015/16	2014/15
	Budget	Estimated			
Municipality	M.G.D.	M.G.D.	M.G.D.	M.G.D.	M.G.D.
Berkley	1.08	1.07	1.12	1.06	0.93
Beverly Hills	0.89	0.86	0.90	0.86	0.77
Bingham Farms	0.25	0.24	0.25	0.24	0.2
Birmingham	2.53	2.48	2.54	2.43	2.25
Clawson	0.75	0.75	0.73	0.76	0.76
Huntington Woods	0.49	0.47	0.49	0.48	0.45
Lathrup Village	0.38	0.38	0.32	0.39	0.33
Pleasant Ridge	0.25	0.25	0.24	0.24	0.21
Royal Oak	5.10	5.08	5.07	5.06	5.09
Southfield	9.15	8.95	9.18	9.10	9.04
Detroit - Zoo & Rackham	<u>0.34</u>	0.31	<u>0.34</u>	<u>0.34</u>	<u>0.31</u>
Authority	21.20	20.84	21.18	20.96	20.34
Variance	1.7%	-1.6%	1.0%	3.0%	
Bloomfield Hills	1.30	1.30	1.30	1.19	1.04
Bloomfield Twp.	<u>5.43</u>	<u>5.12</u>	<u>5.46</u>	<u>5.19</u>	<u>4.41</u>
Total Sales	27.93	27.25	27.94	27.34	25.79
Variance	2.5%	-2.5%	2.2%	6.0%	

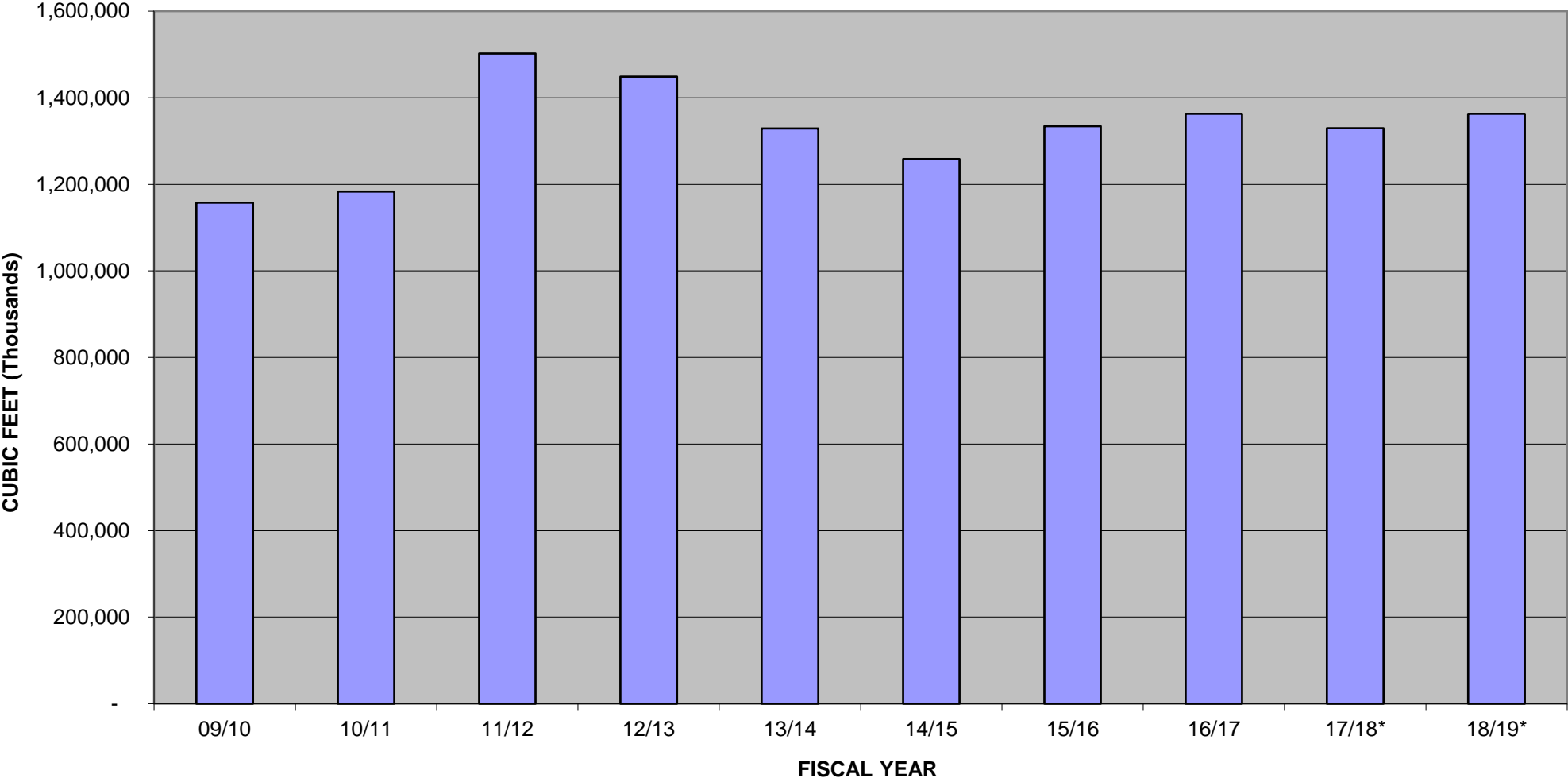
SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ALLOCATED CAPACITY - M.G.D.

MAXIMUM DAY

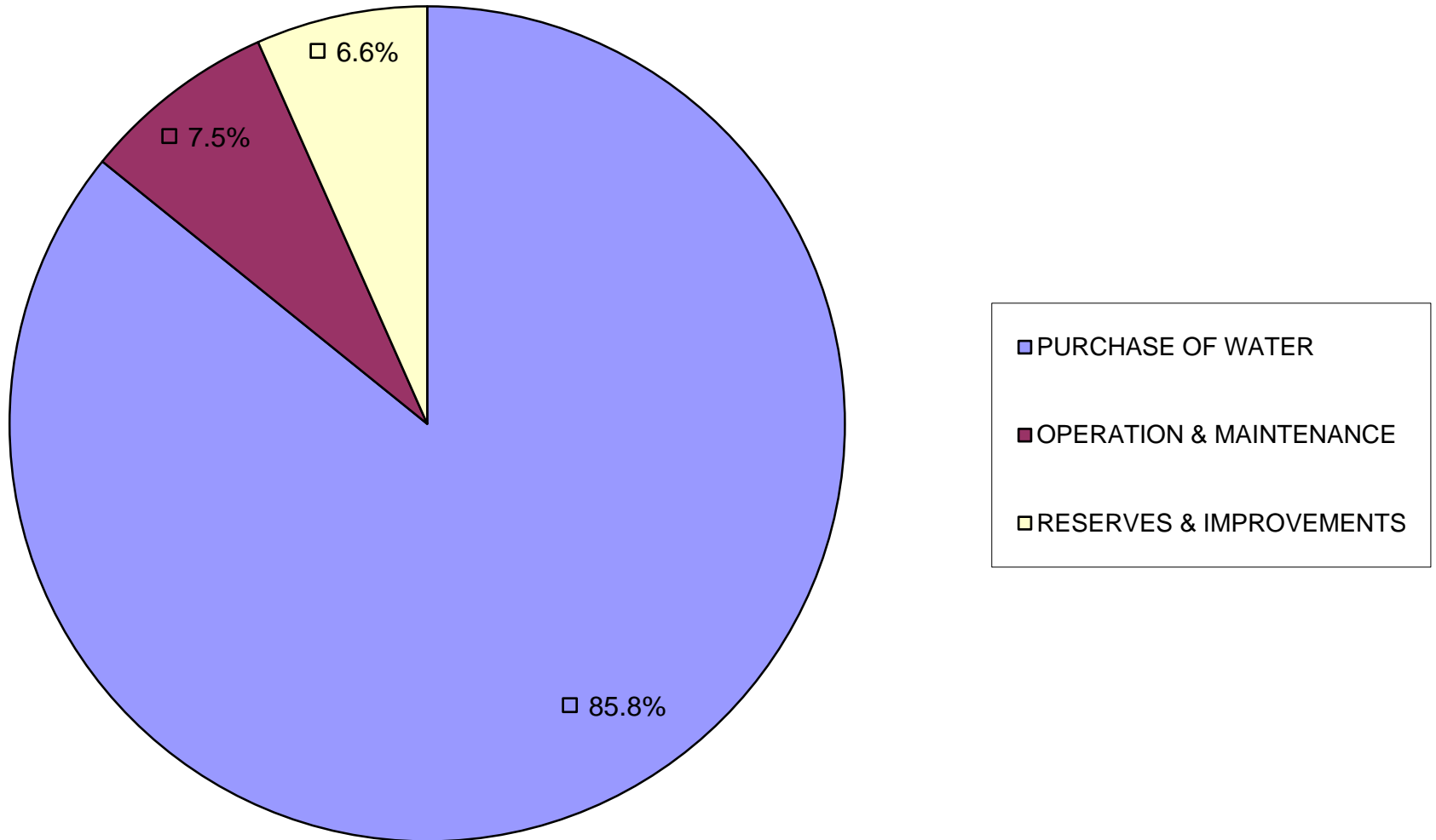
<u>Municipality</u>	<u>2018/19</u>	<u>2017/18</u>	<u>2016/17</u>	<u>2015/16</u>	<u>2014/15</u>
	Budget	Budget			
Berkley	5.53	5.53	5.53	5.53	5.53
Beverly Hills	7.80	7.80	7.80	7.80	7.80
Bingham Farms	1.00	1.00	1.00	1.00	1.00
Birmingham	8.49	8.49	8.49	8.49	8.49
Clawson	4.40	4.40	4.40	4.40	4.40
Huntington 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 - 2018/19*



*Estimated

SOCWA/SOCRRA ORGANIZATIONAL STRUCTURE

