

SOUTHEASTERN OAKLAND COUNTY

WATER AUTHORITY

BUDGET

2017/18



SOUTHEASTERN OAKLAND COUNTY
WATER AUTHORITY

BOARD OF TRUSTEES

2016/17

<u>Municipality</u>	<u>Representative</u>
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Village of Bingham Farms	C. Chiamp
City of Birmingham	P. T. O'Meara
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Township of Southfield	R. Walsh

General Manager
J. A. McKeen

Operations Manager
R. Jackovich

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

BUDGET - 2017/18

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April 30, 2017

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Proposed Budget - 2017/18

Board Members:

Attached for your consideration is a proposed budget for the fiscal year beginning July 1, 2017. This budget will be discussed at our May Board meeting. A public hearing on the budget is scheduled for Wednesday, June 14, 2017 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 \$16.99 per 1,000 cubic feet to the Authority member municipalities, which is a 1.0% increase from the rate charged for 2016/17. This rate reflects the higher level of budgeted water sales. 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 \$15.28 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 \$29.92 per 1,000 cubic feet to Bloomfield Hills and Bloomfield Twp., which is a 1.0% increase from the rate charged for 2016/17 for both communities. The use of a fixed monthly charge also reduces the commodity rate for water sold to the non-member communities to \$26.93 per 1,000 cubic feet.

Basis for the Proposed Budget

The proposed 2017/18 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 and will increase our working capital by \$170,440. This is consistent with the basis used for our budget for the past several years. We do plan to use retained earnings to fund a portion of the costs for replacing the water main in Coolidge Road between 13 Mile and 14 Mile Roads.

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 5.0% from their 2016/17 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, 2017.
2. Union wages were increased by 2.0% for 2017/18. Our existing labor agreement with the Utility Workers expires on June 30, 2017.

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 2% from 2016/17.
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 2015 and 2016 calendar years.
7. Insurance premiums were estimated as follows:
 - a. Property and Liability decreased by 5%
 - b. Workers' Compensation remained unchanged from 2016/17
8. A contribution of \$40,000 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 will come close to fully funding the Salaried Pension Plan.

Employees' Retirement Plan

The Authority is a member of the Michigan Municipal Employees' Retirement System (MERS). As of December 31, 2015 (the most recent data available), the plan covering the union employees hired before July 1, 2011 was 80% funded, the plan covering the union employees hired after July 1, 2011 was 105% funded, the plan covering the salaried employees was 77% funded and the plan covering the salaried employees hired after July 1, 2011 was 107% funded. SOCWA has made significant contributions to the salaried pension plan since the December 2015 valuation, which will be reflected in the December 2016 valuation when it is received. For the 2017/18 fiscal year, the Authority will contribute approximately 15.5% of union payroll to fund the union retirement plan and 27.2% 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 2017/18, 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 2017/18 reflects the full impact of the MERS assumption changes.

Proposed Budget – 2017/18

Pages 8-11 outline the proposed Budget for the fiscal year beginning July 1, 2017. 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 2017/18 Budget with figures for the past five years:

WATER CONSUMPTION
THOUSAND CUBIC FEET

2017/18 Budget	1,342,500
Estimated 2016/17	1,383,200
Actual 2015/16	1,334,297
Actual 2014/15	1,258,235
Actual 2013/14	1,329,066
Actual 2012/13	1,448,855

	Total Revenues	Total Expenditures	Available For Capital Improvements
2017/18 Budget	\$27,021,000	\$25,735,560	\$1,285,440
Estimated 2016/17	\$27,057,600	\$24,569,600	\$2,488,000
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
Actual 2012/13	\$23,741,736	\$22,232,076	\$1,509,660

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 2017/18 fiscal year. The estimated volumes and revenues for 2016/17 and the actual volumes and revenues for 2015/16 and 2014/15 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 \$20.33.

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 2017/18 were estimated as the two-year average for the water sales for the calendar years 2015 and 2016.

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 2016/17 and 2017/18.

Distribution of Expenses

The chart on page 19 illustrates the distribution of expenses proposed for the 2017/18 fiscal year. Approximately 87% of the expenses of the Authority are for water purchased from the 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 \$1,115,000 for the fiscal year 2017/18. 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

2017/18

	2017/18 Budget	2016/17 Estimate	2016/17 Budget
REVENUES			
Sale of Water Members	\$17,460,700	\$17,150,900	\$16,951,000
Sale of Water Others	9,400,900	9,751,800	8,347,000
Rentals	124,400	125,600	114,800
Water Analysis, Lab & Misc.	10,000	5,300	10,000
Interest on Investments	25,000	24,000	25,000
Grant Revenue	0	0	0
TOTAL REVENUES	\$27,021,000	\$27,057,600	\$25,447,800
EXPENSES			
WATER PURCHASED	\$23,500,400	\$22,659,900	\$21,984,000
Webster Station			
Operations Labor	\$60,350	\$63,100	\$55,000
System Monitoring Labor	222,250	222,300	216,800
Vacation, Personal & Longevity	102,800	74,700	102,800
Payment in lieu of sick	16,200	14,000	14,000
Gas	8,500	5,300	8,500
Electric	40,000	40,600	40,000
Maintenance of Equipment	20,000	12,700	20,000
Maintenance of Building	10,000	11,700	9,000
Maintenance of Property & Grounds	11,000	11,400	10,000
Safety Training	4,500	2,900	4,500
Safety Maintenance/Supplies	5,500	2,900	5,500
Supplies	11,000	9,000	11,000
Tools	5,000	3,800	5,000
Maintenance of Reservoirs	3,000	1,300	3,000
Maintenance of Tank	<u>2,000</u>	<u>1,000</u>	<u>2,000</u>
Total	\$522,100	\$476,700	\$507,100
Webster Computer Operations			
Labor	\$43,300	\$24,600	\$42,500
Website and Internet Connection	8,000	7,500	8,000
Computer Hardware Maintenance	9,000	6,200	9,000
Computer Software Maintenance	11,000	13,800	11,000
UPS	<u>2,150</u>	<u>3,000</u>	<u>2,000</u>
Total	\$73,450	\$55,100	\$72,500
Shafter Pump Station			
Labor	\$18,000	\$15,900	\$17,800
Gas	3,000	2,500	3,000
Electric	14,000	14,200	14,000
Maintenance of Equipment	11,000	6,900	6,000
Maintenance of Building	<u>11,000</u>	<u>1,300</u>	<u>2,000</u>
Total	\$57,000	\$40,800	\$42,800

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2017/18

	2017/18 Budget	2016/17 Estimate	2016/17 Budget
Lamb Pumping Station			
Labor	\$18,000	\$15,900	\$17,800
Gas	2,700	1,600	2,500
Electric	10,000	8,100	10,000
Maintenance of Equipment	11,000	2,700	6,000
Maintenance of Building	<u>1,000</u>	<u>500</u>	<u>1,000</u>
Total	\$42,700	\$28,800	\$37,300
12 Mile Meter Station			
Labor	\$12,125	\$11,100	\$12,000
Gas	1,000	600	1,000
Electric	500	0	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	\$17,125	\$13,200	\$17,000
Gare Pump Station			
Labor	\$22,200	\$19,100	\$20,300
Gas	4,600	3,400	4,600
Electric	15,000	10,200	16,000
Maintenance of Equipment	6,000	3,200	6,000
Maintenance of Building	2,000	900	2,000
Maintenance of Property & Grounds	1,000	700	1,000
Maintenance of Reservoir	<u>2,000</u>	<u>400</u>	<u>1,000</u>
Total	\$52,800	\$37,900	\$50,900
Oliver Pump Station			
Labor	\$9,650	\$7,500	\$9,200
Gas	2,000	1,300	2,000
Electric	2,100	1,800	2,000
Maintenance of Equipment	1,000	1,300	1,000
Maintenance of Building	1,000	400	1,000
Maintenance of Property & Grounds	<u>3,000</u>	<u>9,300</u>	<u>3,000</u>
Total	\$18,750	\$21,600	\$18,200
14 Mile/Lahser Meter			
Labor	\$8,300	\$8,400	\$8,200
Electric	500	300	500
Maintenance of Equipment	<u>3,000</u>	<u>2,000</u>	<u>3,000</u>
Total	\$11,800	\$10,700	\$11,700
Quarton/Chesterfield Meter			
Labor	\$6,850	\$7,300	\$6,800
Electric	400	300	400
Maintenance of Equipment	2,500	1,000	2,500
Maintenance of Property & Grounds	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$9,750	\$8,600	\$9,700

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2017/18

	2017/18 Budget	2016/17 Estimate	2016/17 Budget
Bloomfield Hills Meter			
Labor	\$2,000	\$2,000	\$2,000
Maintenance of Equipment	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$2,000	\$2,000	\$2,000
Bloomfield Twp. Meter			
Labor	\$2,150	\$2,300	\$2,100
Maintenance of Equipment	<u>\$2,000</u>	<u>\$800</u>	<u>\$2,000</u>
Total	\$4,150	\$3,100	\$4,100
14 Mile Station			
Labor	\$22,100	\$18,800	\$21,100
Gas	3,000	2,200	3,000
Electric	10,000	10,300	9,000
Maintenance of Equipment	4,000	2,300	4,000
Maintenance of Building	1,000	400	1,000
Maintenance of Property & Grounds	2,000	1,700	2,000
Maintenance of Reservoir	2,000	11,000	5,000
Maintenance of Tank	2,000	500	1,000
Maintenance of Birmingham Tanks	<u>2,000</u>	<u>1,000</u>	<u>2,000</u>
Total	\$48,100	\$48,200	\$48,100
Samoset Tank			
Labor	\$8,950	\$6,800	\$8,900
Gas	550	400	550
Electric	600	500	600
Maintenance of Tank	2,000	400	1,000
Maintenance of Equipment	1,000	500	1,000
Maintenance of Building	1,000	400	1,000
Maintenance of Property & Grounds	<u>500</u>	<u>300</u>	<u>250</u>
Total	\$14,600	\$9,300	\$13,300
Buchanan Station			
Labor	\$10,950	\$9,200	\$10,500
Gas	1,100	800	1,100
Electric	500	300	500
Maintenance of Equipment	2,000	800	2,000
Maintenance of Building	1,000	1,300	1,000
Maintenance of Property & Grounds	500	100	250
Maintenance of Reservoir	<u>1,000</u>	<u>400</u>	<u>1,000</u>
Total	\$17,050	\$12,900	\$16,350
Webster Lab			
Labor	\$45,900	\$53,100	\$45,800
Maintenance of Equipment	1,000	400	1,000
Supplies	22,000	27,300	22,000
Regulatory Testing	<u>20,000</u>	<u>22,400</u>	<u>20,000</u>
Total	\$88,900	\$103,200	\$88,800
Source of Supply Meters			
Labor	\$31,325	\$32,000	\$30,800
Electric	8,000	6,000	8,000
Maintenance of Equipment	<u>35,000</u>	<u>32,000</u>	<u>35,000</u>
Total	\$74,325	\$70,000	\$73,800

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2017/18

	2017/18 Budget	2016/17 Estimate	2016/17 Budget
Source of Supply Mains			
Labor	\$26,560	\$46,700	\$26,200
Maintenance	30,000	28,900	25,000
Miss Dig	25,000	31,100	25,000
Total	\$81,560	\$106,700	\$76,200
Webster Transportation			
Labor	\$11,000	\$7,800	\$10,900
Maintenance of Equipment	20,000	12,500	20,000
Fuel	30,000	22,900	30,000
Total	\$61,000	\$43,200	\$60,900
Administrative and General			
Labor & Supervision	\$178,200	\$187,000	\$178,000
Payment in lieu of sick	5,000	4,700	6,600
Administrative and Office	27,000	28,000	27,000
Travel Conference	5,000	3,200	5,000
Personnel Improvement	5,000	5,100	3,000
Telephone - Office	12,000	16,400	20,000
Legal	5,000	4,400	5,000
Audit	17,200	17,200	17,200
Retirement Plan	173,000	139,300	134,000
Social Security	66,200	66,700	65,600
Insurance - General	33,000	-500	35,000
Insurance - Workers Comp	15,000	10,100	15,000
Health Insurance	278,000	237,200	244,000
Life Insurance	2,400	2,600	2,800
Health Care Savings-Salaried	20,000	25,000	25,000
Health Care Savings-Union	40,000	40,000	40,000
Paying Agent Fee	0	0	500
Bonds	1,000	0	1,000
Consulting	150,000	29,000	50,000
Grant Expenses	0	0	5,000
Miscellaneous	5,000	5,400	5,000
Total	\$1,038,000	\$820,800	\$884,700
Total Operating Expenses	\$25,735,560	\$24,572,700	\$24,019,450
Funds Remaining	\$1,285,440	\$2,484,900	\$1,428,350
Capital and Incremental Pension Expense	\$1,115,000	\$525,000	\$980,000
Working Capital Generated	\$170,440	\$1,959,900	\$448,350

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2017/18 Budget</u>	<u>2016/17 Estimate</u>	<u>2015/16</u>	<u>2014/15</u>
<u>BERKLEY</u>				
1,000 Cubic Feet	50,200	52,000	51,593	45,348
Revenue	\$852,400	\$851,250	\$845,056	\$655,738
Fixed Monthly Charge	\$7,103	\$6,668	\$6,661	
<u>BEVERLY HILLS</u>				
1,000 Cubic Feet	42,100	44,300	42,109	37,424
Revenue	\$714,900	\$723,400	\$695,500	\$541,154
Fixed Monthly Charge	\$5,958	\$5,533	\$5,919	
<u>BINGHAM FARMS</u>				
1,000 Cubic Feet	11,600	12,700	11,548	9,729
Revenue	\$197,000	\$205,500	\$189,543	\$140,684
Fixed Monthly Charge	\$1,642	\$1,429	\$1,524	
<u>BIRMINGHAM</u>				
1,000 Cubic Feet	120,100	125,300	118,409	109,719
Revenue	\$2,039,300	\$2,048,100	\$1,952,114	\$1,586,540
Fixed Monthly Charge	\$16,994	\$15,829	\$16,343	
<u>CLAWSON</u>				
1,000 Cubic Feet	36,800	36,400	37,128	37,173
Revenue	\$624,900	\$602,500	\$613,556	\$537,517
Fixed Monthly Charge	\$5,208	\$5,225	\$5,246	
<u>HUNTINGTON WOODS</u>				
1,000 Cubic Feet	23,600	24,300	23,593	21,729
Revenue	\$400,700	\$398,700	\$389,435	\$314,206
Fixed Monthly Charge	\$3,339	\$3,194	\$3,296	
<u>LATHRUP VILLAGE</u>				
1,000 Cubic Feet	17,400	18,500	19,055	15,960
Revenue	\$295,500	\$301,900	\$311,599	\$230,777
Fixed Monthly Charge	\$2,463	\$2,298	\$2,418	
<u>PLEASANT RIDGE</u>				
1,000 Cubic Feet	11,500	11,800	11,824	10,471
Revenue	\$195,300	\$193,300	\$193,977	\$151,421
Fixed Monthly Charge	\$1,628	\$1,527	\$1,552	
<u>ROYAL OAK</u>				
1,000 Cubic Feet	249,900	247,500	246,847	248,474
Revenue	\$4,243,300	\$4,091,900	\$4,079,174	\$3,592,938
Fixed Monthly Charge	\$35,361	\$35,119	\$34,869	
<u>SOUTHFIELD</u>				
1,000 Cubic Feet	448,300	451,900	444,007	440,945
Revenue	\$7,612,100	\$7,449,000	\$7,344,015	\$6,376,066
Fixed Monthly Charge	\$63,434	\$62,281	\$63,283	
<u>Detroit Zoo</u>				
1,000 Cubic Feet	14,900	15,300	14,276	14,916
Revenue	\$253,000	\$250,900	\$228,543	\$215,692
Fixed Monthly Charge	\$2,108	\$2,003	\$1,401	
<u>Detroit Rackham Golf Course</u>				
1,000 Cubic Feet	1,900	2,200	2,470	560
Revenue	\$32,300	\$34,500	\$45,861	\$8,093
Fixed Monthly Charge	\$269	\$154	\$769	

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2017/18 Budget</u>	<u>2016/17 Estimate</u>	<u>2015/16</u>	<u>2014/15</u>
<u>AUTHORITY MEMBERS</u>				
Total (1,000 Cubic Feet)	1,028,300	1,042,200	1,022,859	992,448
Revenue	\$17,460,700	\$17,150,950	\$16,888,373	\$14,350,826
Fixed Monthly Charge	\$145,507	\$141,106	\$142,512	
<u>BLOOMFIELD HILLS</u>				
1,000 Cubic Feet	59,200	63,400	58,143	50,775
Revenue	\$1,771,300	\$1,817,000	\$1,695,900	\$1,293,743
Fixed Monthly Charge	\$14,761	\$13,259	\$14,622	
<u>BLOOMFIELD TOWNSHIP</u>				
1,000 Cubic Feet	255,000	277,600	253,295	215,011
Revenue	\$7,629,600	\$7,934,800	\$7,341,200	\$5,478,468
Fixed Monthly Charge	\$63,580	\$56,297	\$59,795	
<u>TOTAL WATER SALES</u>				
Total (1,000 Cubic Feet)	1,342,500	1,383,200	1,334,297	1,258,234
Total Revenue	\$26,861,600	\$26,902,750	\$25,925,473	\$21,123,037
Fixed Monthly Charge	\$223,848	\$210,662	\$216,929	
Average Per 1,000 Cubic Feet	\$20.01	\$19.45	\$19.43	\$16.79

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
COMPARATIVE STATEMENT - REVENUES AND EXPENSES

	<u>2017/18</u>	<u>2016/17</u>	<u>2015/16</u>	<u>2014/15</u>
	Budget	Estimate		
Water Sold (1,000 cubic feet)	1,342,500	1,383,200	1,334,297	1,258,234
<u>OPERATIONS</u>				
Sale of Water-Members	\$17,460,700	\$17,150,950	\$16,888,373	\$14,350,826
Sale of Water-Non Members	9,400,900	9,751,800	9,037,100	6,772,211
<u>OTHER INCOME</u>				
Rentals	\$124,400	\$125,600	\$107,404	\$108,910
Water Analysis & Misc.	10,000	5,300	28,847	2,310
Interest on Investments	25,000	24,000	25,148	27,206
Grants	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL:	\$159,400	\$154,900	\$161,399	\$138,426
<u>TOTAL REVENUES</u>				
TOTAL REVENUES	\$27,021,000	\$27,057,650	\$26,086,872	\$21,261,463
Average Income Per 1,000 Cubic Feet	\$20.13	\$19.56	\$19.55	\$16.90
<u>EXPENSES</u>				
Water Purchased for Resale	\$23,500,400	\$22,659,900	\$22,846,992	\$19,779,930
Power, Pumping and Grounds Webster	583,100	519,900	522,080	512,398
Power, Pumping and Grounds	295,825	234,000	164,620	171,037
Computer Operations	73,450	55,100	66,923	63,962
Laboratory	88,900	103,200	76,898	83,643
Mains and Meters	155,885	176,700	114,993	138,321
Administrative and General	1,038,000	820,800	930,116	837,150
Bond Expenses	<u>0</u>	<u>0</u>	<u>0</u>	<u>729,750</u>
TOTAL EXPENSES	\$25,735,560	\$24,569,600	\$24,722,622	\$22,316,191
Revenue minus Expenses	\$1,285,440	\$2,488,050	\$1,364,250	-\$1,054,728
<u>Average Cost Per 1,000 Cubic Feet</u>				
Water Purchased for Resale	\$17.50	\$16.38	\$17.12	\$15.72
Operating	1.66	1.38	1.41	1.44
Bond Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.58</u>
TOTAL	\$19.17	\$17.76	\$18.53	\$17.74

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER

MONTHLY COMPARATIVE STATEMENT

	2017/18	2016/17	2015/16	2014/15	2013/14
	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	40.18	45.77	34.59	36.61	35.92
August	39.31	41.54	37.06	32.91	38.34
September	33.42	32.96	33.86	28.27	32.31
October	24.76	23.82	25.69	23.09	24.58
November	21.00	20.80	21.19	21.76	21.63
December	21.04	21.42	20.66	21.24	21.89
January	21.96	21.14	21.57	22.37	23.81
February	22.50	21.65	21.33	22.92	24.19
March	21.96	20.48	20.90	23.04	23.51
April	21.89	21.08	21.51	22.25	22.32
May	26.67	26.86	27.41	25.93	25.77
June	35.06	40.58	41.40	28.71	32.28
Daily Average for Year	27.52	28.22	27.35	25.79	27.24
Variance	-2.5%	3.2%	6.0%	-5.3%	

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER - COMPARATIVE STATEMENT

AVERAGE MILLION GALLONS PER CALENDAR DAY

	2017/18	2016/17	2015/16	2014/15	2013/14
	Budget	Estimated			
<u>Municipality</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>
Berkley	1.03	1.07	1.06	0.93	0.99
Beverly Hills	0.86	0.91	0.86	0.77	0.87
Bingham Farms	0.24	0.26	0.24	0.2	0.22
Birmingham	2.46	2.57	2.43	2.25	2.42
Clawson	0.75	0.75	0.76	0.76	0.78
Huntington Woods	0.48	0.50	0.48	0.45	0.49
Lathrup Village	0.36	0.38	0.39	0.33	0.36
Pleasant Ridge	0.24	0.24	0.24	0.21	0.23
Royal Oak	5.12	5.07	5.06	5.09	5.13
Southfield	9.19	9.26	9.10	9.04	9.32
Detroit - Zoo & Rackham	<u>0.34</u>	0.36	<u>0.34</u>	<u>0.31</u>	<u>0.31</u>
Authority	21.08	21.36	20.96	20.34	21.12
Variance	-1.3%	1.9%	3.0%	-3.7%	
Bloomfield Hills	1.21	1.30	1.19	1.04	1.21
Bloomfield Twp.	<u>5.23</u>	<u>5.69</u>	<u>5.19</u>	<u>4.41</u>	<u>4.91</u>
Total Sales	27.52	28.35	27.34	25.79	27.24
Variance	-2.9%	3.7%	6.0%	-5.3%	

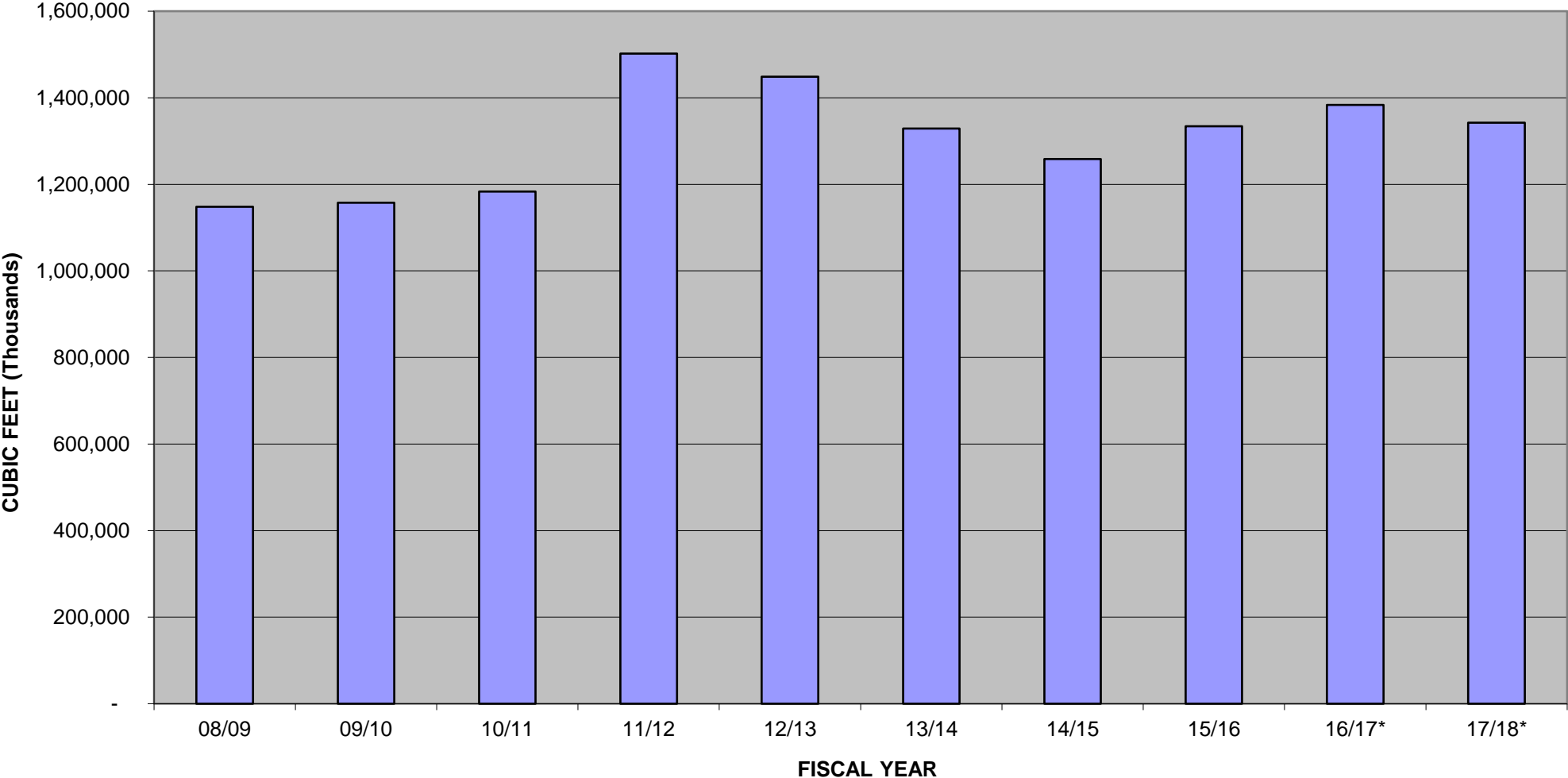
SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ALLOCATED CAPACITY - M.G.D.

MAXIMUM DAY

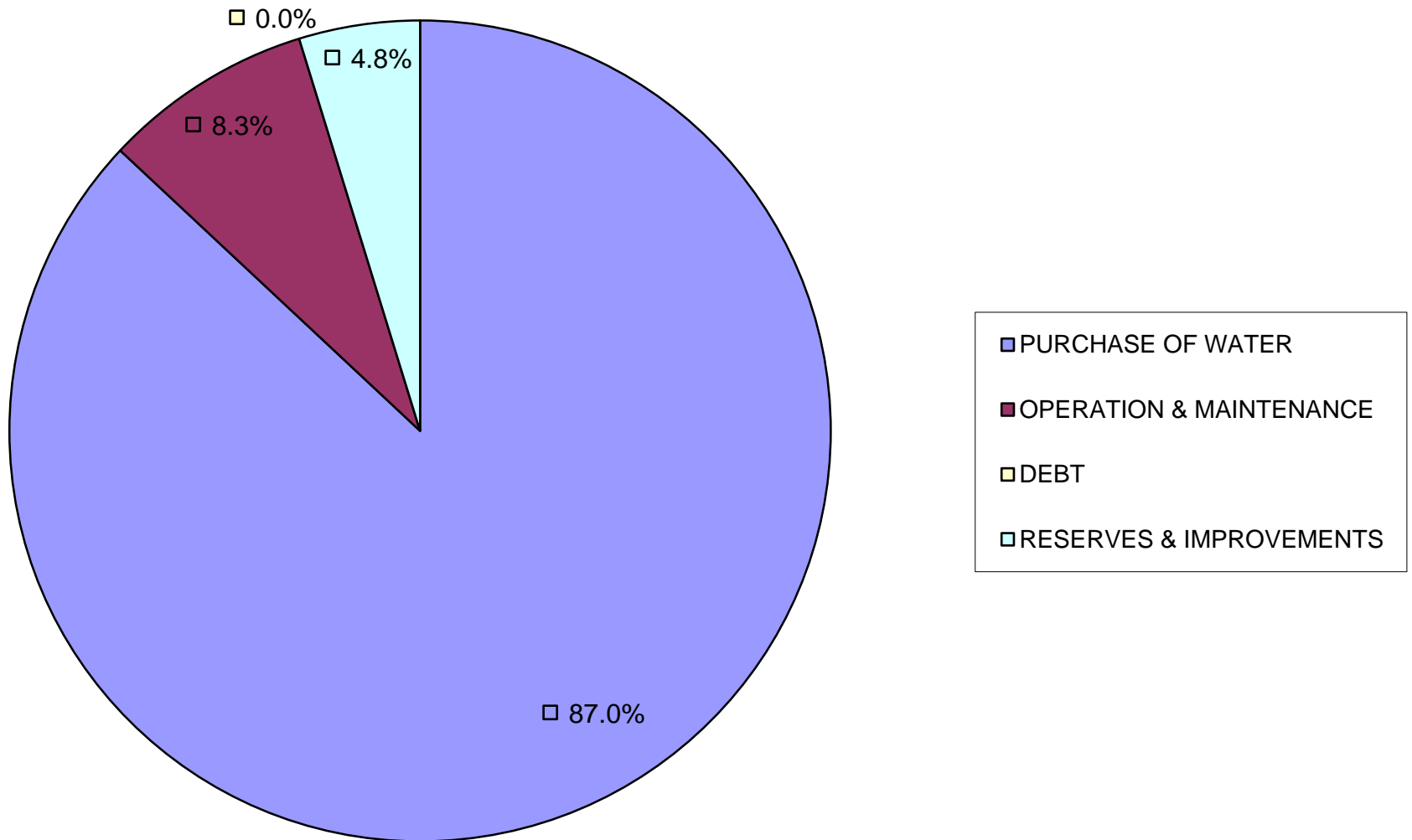
<u>Municipality</u>	<u>2017/18</u>	<u>2016/17</u>	<u>2015/16</u>	<u>2014/15</u>	<u>2013/14</u>
	Budget	Budget			
Berkley	5.53	5.53	5.53	5.53	5.53
Beverly Hills	7.80	7.80	7.80	7.80	7.80
Bingham Farms	1.00	1.00	1.00	1.00	1.00
Birmingham	8.49	8.49	8.49	8.49	8.49
Clawson	4.40	4.40	4.40	4.40	4.40
Huntington 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 - 2017/18*



*Estimated

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED CAPITAL AND PENSION EXPENDITURES

2017/18

PROJECT	COST
Replace Vehicle	\$25,000
Replace Vehicle	25,000
Mower Replacement	10,000
Main Replacement/Lining	300,000
SCADA System Replacement	30,000
Replace 14 Mile and Samoset Roofs	80,000
Shafter Station Refurbishment	150,000
Cathodic Protection Upgrades	50,000
Water Meter Replacements	40,000
Webster Remodeling-Phase 2	50,000
Replace PRV at 14 Mile and Lahser	50,000
Refurbish 14 Mile Tank	30,000
Additional MERS Pension Plan Contribution	275,000
TOTAL	\$1,115,000

SOCWA/SOCRRA ORGANIZATIONAL STRUCTURE

