

SOUTHEASTERN OAKLAND COUNTY

WATER AUTHORITY

BUDGET

2016/17



SOUTHEASTERN OAKLAND COUNTY
WATER AUTHORITY

BOARD OF TRUSTEES

2015/16

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General Manager
J. A. McKeen

Operations Manager
R. Jackovich

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

BUDGET - 2016/17

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April 30, 2016

Board of Trustees
Southeastern Oakland County Water Authority

Subject: Proposed Budget - 2016/17

Board Members:

Attached for your consideration is a proposed budget for the fiscal year beginning July 1, 2016. This budget will be discussed at our May Board meeting. A public hearing on the budget is scheduled for Wednesday, June 8, 2016 at 8:30 a.m. at the Oak Park City Hall, 14000 Oak Park Boulevard.

Water Rate - Member Municipalities

The proposed budget is based on an overall rate of \$16.81 per 1,000 cubic feet to the Authority member municipalities, which is a 2.0% increase from the rate charged for 2015/16. This rate reflects the lower 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 \$15.13 per 1,000 cubic feet.

Water Rate-Bloomfield Hills and Bloomfield Twp.

The proposed budget is based on an overall rate of \$29.63 per 1,000 cubic feet to Bloomfield Hills and Bloomfield Twp., which is a 2.0% increase from the rate charged for 2015/16 for both communities. The use of a fixed monthly charge also reduces the commodity rate for water sold to the non-member communities to \$26.67 per 1,000 cubic feet.

Basis for the Proposed Budget

The proposed 2016/17 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 \$448,350. This is consistent with the basis used for our budget for the past several years except for the 2014/15 budget, which used retained earnings to fund the portion of the Webster Reservoir painting project.

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. However, we plan to budget for and achieve at least the 110% estimated coverage level in order to maintain our ability to borrow in the future. The proposed budget generates a coverage ratio (operating revenue minus operating expense divided by debt service) of 196%.

Budget Assumptions

The following assumptions were used to develop the proposed budget:

1. Union wages were increased by 1.5% for 2016/17 as called for in our existing labor agreement with the Utility Workers.
2. 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 3.7% from their current levels.
3. Salaried wages were increased by 2% from 2015/16.
4. The number of salaried employees remains unchanged from the 2015/16 budget. The number of union employees decreased by 1 from the 2015/16 budget and includes one open position.
5. Water consumption by the member communities and by Bloomfield Hills and Bloomfield Twp. was estimated as the 2 year average for the 2014 and 2015 calendar years.
6. Insurance premiums were estimated as follows:
 - a. Property and Liability decreased by 5%
 - b. Workers' Compensation increased by 5%
7. 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.
8. A contribution of \$25,000 to the MERS Health Care Savings Plan for our salaried employees, which should reduce our OPEB liability for this plan.
9. 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 is the last of five annual contributions to reduce the unfunded accrued liability of the Salaried Pension Plan.

Employees' Retirement Plan

The Authority is a member of the Michigan Municipal Employees' Retirement System (MERS). As of December 31, 2014 (the most recent data available), the plan covering the union employees hired before July 1, 2011 was 83% funded, the plan covering the union employees hired after July 1, 2011 was 139% funded, the plan covering the salaried employees was 73% funded and the plan covering the salaried employees hired after July 1, 2011 was 160% funded. SOCWA has made significant contributions to the salaried pension plan since the December 2014 valuation, which will be reflected in the December 2015 valuation when it is received. For the 2016/17 fiscal year, the Authority will contribute approximately 12.0% of union payroll to fund the union retirement plan and 24.8% 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 5% of salary, respectively. MERS has announced several changes to their pension actuarial calculations, all of which will serve to significantly increase the required pension contributions. These changes are being phased in with the December 2015 valuation.

Proposed Budget - 2016/17

Pages 8-11 outline the proposed Budget for the fiscal year beginning July 1, 2016. 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 2016/17 Budget with figures for the past five years:

WATER CONSUMPTION
THOUSAND CUBIC FEET

2016/17 Budget	1,290,200
Estimated 2015/16	1,289,200
Actual 2014/15	1,258,235
Actual 2013/14	1,329,066
Actual 2012/13	1,448,855
Actual 2011/12	1,501,896

	Total Revenues	Total Expenditures	Available For Capital Improvements
2016/17 Budget	\$25,447,800	\$24,019,450	\$1,428,350
Estimated 2015/16	\$25,579,000	\$24,552,400	\$1,026,000
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
Actual 2011/12	\$23,087,844	\$21,132,248	\$1,955,596

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 2016/17 fiscal year. The estimated volumes and revenues for 2015/16 and the actual volumes and revenues for 2014/15 and 2013/14 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 \$19.72.

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 2016/17 were estimated as the two year average for the water sales for the calendar years 2014 and 2015.

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 8 years and also includes the projected water sales for 2015/16 and 2016/17.

Distribution of Expenses

The chart on page 19 illustrates the distribution of expenses proposed for the 2016/17 fiscal year. Approximately 87% of the expenses of the Authority are for water purchased from the GLWA.

Debt Coverage

The table on page 20 shows the projected debt coverage ratios for the 2016/17 and 2015/16 fiscal years and also shows the actual debt coverage ratios achieved for the 2014/15 and 2013/14 fiscal years. Our bond covenants, which no longer apply due to repayment of our outstanding debt, require our budget to be prepared with at least a 110% debt coverage ratio.

Capital Improvement and Pension Expenditures

On page 21 is a proposed list of capital improvement expenditures and an incremental pension contribution in the amount of \$980,000 for the fiscal year 2016/17. Each of the capital improvement projects will be reviewed with the Board before the project is begun.

Organizational Structure

Page 22 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

2016/17

	2016/17 Budget	2015/16 Estimate	2015/16 Budget
REVENUES			
Sale of Water Members	\$16,951,000	\$16,798,000	\$17,193,600
Sale of Water Others	8,347,000	8,634,000	8,930,000
Rentals	114,800	99,000	108,000
Water Analysis, Lab & Misc.	10,000	30,000	10,000
Interest on Investments	25,000	18,000	40,000
Grant Revenue	0	0	5,000
TOTAL REVENUES	\$25,447,800	\$25,579,000	\$26,286,600
EXPENSES			
WATER PURCHASED	\$21,984,000	\$22,663,000	\$23,087,000
Webster Station			
Operations Labor	\$55,000	\$51,000	\$61,500
System Monitoring Labor	216,800	222,000	221,500
Vacation, Personal & Longevity	102,800	128,000	109,000
Payment in lieu of sick	14,000	17,000	16,000
Gas	8,500	5,000	8,500
Electric	40,000	32,000	40,000
Maintenance of Equipment	20,000	13,000	20,000
Maintenance of Building	9,000	7,000	9,000
Maintenance of Property & Grounds	10,000	11,000	10,000
Safety Training	4,500	3,000	4,500
Safety Maintenance/Supplies	5,500	4,000	5,000
Supplies	11,000	10,000	11,000
Tools	5,000	4,000	5,000
Maintenance of Reservoirs	3,000	5,000	2,000
Maintenance of Tank	2,000	1,000	1,500
Total	\$507,100	\$513,000	\$524,500
Webster Computer Operations			
Labor	\$42,500	\$41,000	\$41,500
Website and Internet Connection	8,000	10,000	7,500
Computer Hardware Maintenance	9,000	10,000	8,000
Computer Software Maintenance	11,000	9,000	12,000
UPS	2,000	3,000	2,000
Total	\$72,500	\$73,000	\$71,000
Shafter Pump Station			
Labor	\$17,800	\$15,000	\$18,200
Gas	3,000	2,000	3,000
Electric	14,000	10,000	14,000
Maintenance of Equipment	6,000	4,000	6,000
Maintenance of Building	2,000	1,000	2,000
Total	\$42,800	\$32,000	\$43,200

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2016/17

	2016/17 Budget	2015/16 Estimate	2015/16 Budget
Lamb Pumping Station			
Labor	\$17,800	\$15,000	\$18,200
Gas	2,500	2,000	2,500
Electric	10,000	6,000	10,000
Maintenance of Equipment	6,000	4,000	6,000
Maintenance of Building	<u>1,000</u>	<u>1,000</u>	<u>1,000</u>
Total	\$37,300	\$28,000	\$37,700
12 Mile Meter Station			
Labor	\$12,000	\$11,000	\$13,000
Gas	1,000	1,000	1,000
Electric	500	400	500
Maintenance of Equipment	2,500	1,000	2,500
Maintenance of Building	500	300	500
Maintenance of Property & Grounds	<u>500</u>	<u>300</u>	<u>500</u>
Total	\$17,000	\$14,000	\$18,000
Gare Pump Station			
Labor	\$20,300	\$19,000	\$23,000
Gas	4,600	3,000	4,600
Electric	16,000	11,000	16,000
Maintenance of Equipment	6,000	7,000	6,000
Maintenance of Building	2,000	2,000	2,000
Maintenance of Property & Grounds	1,000	3,500	1,000
Maintenance of Reservoir	<u>1,000</u>	<u>500</u>	<u>1,000</u>
Total	\$50,900	\$46,000	\$53,600
Oliver Pump Station			
Labor	\$9,200	\$8,000	\$9,500
Gas	2,000	1,000	2,000
Electric	2,000	3,000	2,000
Maintenance of Equipment	1,000	1,000	1,000
Maintenance of Building	1,000	500	1,000
Maintenance of Property & Grounds	<u>3,000</u>	<u>7,500</u>	<u>1,000</u>
Total	\$18,200	\$21,000	\$16,500
14 Mile/Lahser Meter			
Labor	\$8,200	\$8,000	\$9,500
Electric	500	500	500
Maintenance of Equipment	<u>3,000</u>	<u>1,500</u>	<u>3,000</u>
Total	\$11,700	\$10,000	\$13,000
Quarton/Chesterfield Meter			
Labor	\$6,800	\$7,000	\$8,500
Electric	400	300	350
Maintenance of Equipment	2,500	1,700	2,500
Maintenance of Property & Grounds	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$9,700	\$9,000	\$11,350

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2016/17

	2016/17 Budget	2015/16 Estimate	2015/16 Budget
Bloomfield Hills Meter			
Labor	\$2,000	\$2,000	\$2,500
Maintenance of Equipment	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$2,000	\$2,000	\$2,500
Bloomfield Twp. Meter			
Labor	\$2,100	\$2,000	\$3,000
Maintenance of Equipment	<u>\$2,000</u>	<u>\$1,000</u>	<u>\$2,000</u>
Total	\$4,100	\$3,000	\$5,000
14 Mile Station			
Labor	\$21,100	\$19,000	\$23,000
Gas	3,000	2,000	3,000
Electric	9,000	6,000	9,000
Maintenance of Equipment	4,000	3,000	4,000
Maintenance of Building	1,000	500	1,000
Maintenance of Property & Grounds	2,000	1,000	2,000
Maintenance of Reservoir	5,000	2,000	2,000
Maintenance of Tank	1,000	500	1,000
Maintenance of Birmingham Tanks	<u>2,000</u>	<u>2,000</u>	<u>1,500</u>
Total	\$48,100	\$36,000	\$46,500
Samoset Tank			
Labor	\$8,900	\$7,000	\$9,000
Gas	550	400	550
Electric	600	600	600
Maintenance of Tank	1,000	500	1,000
Maintenance of Equipment	1,000	1,000	1,000
Maintenance of Building	1,000	200	1,000
Maintenance of Property & Grounds	<u>250</u>	<u>300</u>	<u>250</u>
Total	\$13,300	\$10,000	\$13,400
Buchanan Station			
Labor	\$10,500	\$9,000	\$10,500
Gas	1,100	1,000	1,100
Electric	500	300	500
Maintenance of Equipment	2,000	1,000	2,000
Maintenance of Building	1,000	500	1,000
Maintenance of Property & Grounds	250	0	0
Maintenance of Reservoir	<u>1,000</u>	<u>200</u>	<u>600</u>
Total	\$16,350	\$12,000	\$15,700
Webster Lab			
Labor	\$45,800	\$45,000	\$45,000
Maintenance of Equipment	1,000	1,000	1,000
Supplies	22,000	24,000	20,000
Regulatory Testing	<u>20,000</u>	<u>13,000</u>	<u>10,000</u>
Total	\$88,800	\$83,000	\$76,000
Source of Supply Meters			
Labor	\$30,800	\$32,000	\$34,000
Electric	8,000	7,000	8,000
Maintenance of Equipment	<u>35,000</u>	<u>39,000</u>	<u>30,000</u>
Total	\$73,800	\$78,000	\$72,000

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

PROPOSED BUDGET

2016/17

	2016/17 Budget	2015/16 Estimate	2015/16 Budget
Source of Supply Mains			
Labor	\$26,200	\$24,000	\$30,000
Maintenance	25,000	14,000	20,000
Miss Dig	25,000	28,000	15,000
Total	\$76,200	\$66,000	\$65,000
Webster Transportation			
Labor	\$10,900	\$8,000	\$11,000
Maintenance of Equipment	20,000	16,000	15,000
Fuel	30,000	23,000	35,000
Total	\$60,900	\$47,000	\$61,000
Administrative and General			
Labor & Supervision	\$178,000	\$177,000	\$177,000
Payment in lieu of sick	6,600	6,200	6,400
Administrative and Office	27,000	27,000	27,000
Travel Conference	5,000	6,000	5,000
Personnel Improvement	3,000	2,000	3,000
Telephone - Office	20,000	21,000	20,000
Legal	5,000	9,000	5,000
Audit	17,200	17,200	17,200
Retirement Plan	134,000	138,000	142,000
Social Security	65,600	69,000	69,000
Insurance - General	35,000	-9,000	33,000
Insurance - Workers Comp	15,000	13,000	18,800
Health Insurance	244,000	252,000	244,000
Life Insurance	2,800	3,000	2,800
Health Care Savings-Salaried	25,000	15,000	40,000
Health Care Savings-Union	40,000	30,000	70,000
Paying Agent Fee	500	0	500
Bonds	1,000	0	1,000
Consulting	50,000	27,000	50,000
Grant Expenses	5,000	0	5,000
Miscellaneous	5,000	6,000	5,000
Total	\$884,700	\$809,400	\$941,700
Total Operating Expenses	\$24,019,450	\$24,552,400	\$25,174,650
Bond Principle & Interest	0	0	0
Total Expenses	\$24,019,450	\$24,552,400	\$25,174,650
Funds Remaining	\$1,428,350	\$1,026,600	\$1,111,950
Capital and Incremental Pension Expense	\$980,000	\$250,000	\$935,000
Working Capital Generated	\$448,350	\$776,600	\$176,950

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2016/17 Budget</u>	<u>2015/16 Estimate</u>	<u>2014/15</u>	<u>2013/14</u>
<u>BERKLEY</u>				
1,000 Cubic Feet	47,600	48,000	45,348	48,465
Revenue	\$800,200	\$791,800	\$655,738	\$673,666
Fixed Monthly Charge	\$6,668	\$6,661		
<u>BEVERLY HILLS</u>				
1,000 Cubic Feet	39,500	39,400	37,424	42,217
Revenue	\$664,000	\$655,300	\$541,154	\$586,814
Fixed Monthly Charge	\$5,533	\$5,919		
<u>BINGHAM FARMS</u>				
1,000 Cubic Feet	10,200	10,500	9,729	10,528
Revenue	\$171,500	\$174,000	\$140,684	\$146,338
Fixed Monthly Charge	\$1,429	\$1,524		
<u>BIRMINGHAM</u>				
1,000 Cubic Feet	113,000	114,000	109,719	118,241
Revenue	\$1,899,500	\$1,886,700	\$1,586,540	\$1,643,550
Fixed Monthly Charge	\$15,829	\$16,343		
<u>CLAWSON</u>				
1,000 Cubic Feet	37,300	36,700	37,173	37,886
Revenue	\$627,000	\$607,200	\$537,517	\$526,617
Fixed Monthly Charge	\$5,225	\$5,246		
<u>HUNTINGTON WOODS</u>				
1,000 Cubic Feet	22,800	22,800	21,729	23,936
Revenue	\$383,300	\$377,700	\$314,206	\$332,713
Fixed Monthly Charge	\$3,194	\$3,296		
<u>LATHRUP VILLAGE</u>				
1,000 Cubic Feet	16,400	16,200	15,960	17,475
Revenue	\$275,700	\$269,300	\$230,777	\$242,900
Fixed Monthly Charge	\$2,298	\$2,418		
<u>PLEASANT RIDGE</u>				
1,000 Cubic Feet	10,900	11,200	10,471	11,061
Revenue	\$183,200	\$184,700	\$151,421	\$153,741
Fixed Monthly Charge	\$1,527	\$1,552		
<u>ROYAL OAK</u>				
1,000 Cubic Feet	250,700	249,900	248,474	250,522
Revenue	\$4,214,300	\$2,142,400	\$3,592,938	\$3,482,261
Fixed Monthly Charge	\$35,119	\$34,869		
<u>SOUTHFIELD</u>				
1,000 Cubic Feet	444,700	440,200	440,945	454,983
Revenue	\$7,473,700	\$7,287,600	\$6,376,066	\$6,324,268
Fixed Monthly Charge	\$62,281	\$63,283		
<u>Detroit Zoo</u>				
1,000 Cubic Feet	14,300	14,500	14,916	13,440
Revenue	\$240,400	\$231,800	\$215,692	\$186,819
Fixed Monthly Charge	\$2,003	\$1,401		
<u>Detroit Rackham Golf Course</u>				
1,000 Cubic Feet	1,100	1,600	560	\$1,474
Revenue	\$18,500	\$33,000	\$8,093	\$20,490
Fixed Monthly Charge	\$154	\$769		

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ESTIMATED WATER CONSUMPTION AND REVENUES

	<u>2016/17 Budget</u>	<u>2015/16 Estimate</u>	<u>2014/15</u>	<u>2013/14</u>
<u>AUTHORITY MEMBERS</u>				
Total (1,000 Cubic Feet)	1,008,500	1,005,000	992,448	1,030,228
Revenue	\$16,951,300	\$14,641,500	\$14,350,826	\$14,320,177
Fixed Monthly Charge	\$141,106	\$142,512		
<u>BLOOMFIELD HILLS</u>				
1,000 Cubic Feet	53,700	54,600	50,775	59,104
Revenue	\$1,591,100	\$1,603,300	\$1,293,743	\$1,448,037
Fixed Monthly Charge	\$13,259	\$14,622		
<u>BLOOMFIELD TOWNSHIP</u>				
1,000 Cubic Feet	228,000	230,200	215,011	239,734
Revenue	\$6,755,600	\$6,737,300	\$5,478,468	\$5,873,474
Fixed Monthly Charge	\$56,297	\$59,795		
<u>TOTAL WATER SALES</u>				
Total (1,000 Cubic Feet)	1,290,200	1,289,800	1,258,234	1,329,066
Total Revenue	\$25,298,000	\$22,982,100	\$21,123,037	\$21,641,688
Fixed Monthly Charge	\$210,662	\$216,929		
Average Per 1,000 Cubic Feet	\$19.61	\$17.82	\$16.79	\$16.28

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

COMPARATIVE STATEMENT - REVENUES AND EXPENSES

	<u>2016/17</u>	<u>2015/16</u>	<u>2014/15</u>	<u>2013/14</u>
	Budget	Estimate		
Water Sold (1,000 cubic feet)	1,290,200	1,289,700	1,258,234	1,329,066
<u>OPERATIONS</u>				
Sale of Water-Members	\$16,951,300	\$16,798,000	\$14,350,826	\$14,320,177
Sale of Water-Non Members	8,346,700	8,634,000	6,772,211	7,321,511
<u>OTHER INCOME</u>				
Rentals	\$114,800	\$99,000	\$108,910	\$107,910
Water Analysis & Misc.	10,000	30,000	2,310	751
Interest on Investments	25,000	18,000	27,206	42,006
Grants	<u>0</u>	<u>0</u>	<u>0</u>	<u>23,898</u>
TOTAL:	\$149,800	\$147,000	\$138,426	\$174,565
<u>TOTAL REVENUES</u>				
TOTAL REVENUES	\$25,447,800	\$25,579,000	\$21,261,463	\$21,816,253
Average Income Per 1,000 Cubic Feet	\$19.72	\$19.83	\$16.90	\$16.41
<u>EXPENSES</u>				
Water Purchased for Resale	\$21,984,000	\$22,663,000	\$19,779,930	\$19,467,746
Power, Pumping and Grounds Webster	568,000	560,000	512,398	540,636
Power, Pumping and Grounds	271,450	220,000	171,037	202,881
Computer Operations	72,500	73,000	63,962	62,062
Laboratory	88,800	83,000	83,643	84,114
Mains and Meters	150,000	144,000	138,321	105,317
Administrative and General	884,700	809,400	837,150	983,056
Bond Expenses	<u>0</u>	<u>0</u>	<u>729,750</u>	<u>732,763</u>
TOTAL EXPENSES	\$24,019,450	\$24,552,400	\$22,316,191	\$22,178,575
Revenue minus Expenses	\$1,428,350	\$1,026,600	-\$1,054,728	-\$362,322
<u>Average Cost Per 1,000 Cubic Feet</u>				
Water Purchased for Resale	\$17.04	\$17.57	\$15.72	\$14.65
Operating	1.58	1.46	1.44	1.49
Bond Expenses	<u>0.00</u>	<u>0.00</u>	<u>0.58</u>	<u>0.55</u>
TOTAL	\$18.62	\$19.04	\$17.74	\$16.69

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER

MONTHLY COMPARATIVE STATEMENT

	2016/17	2015/16	2014/15	2013/14	2012/13
	Budget	Estimated			
Daily Average	M.G.D.	M.G.D.	M.G.D.	M.G.D.	M.G.D.
July	35.60	34.59	36.61	35.92	52.33
August	34.99	37.06	32.91	38.34	43.25
September	31.07	33.86	28.27	32.31	38.20
October	24.40	25.69	23.09	24.58	25.70
November	21.47	21.19	21.76	21.63	22.03
December	20.95	20.66	21.24	21.89	21.60
January	23.09	22.15	22.37	23.81	22.49
February	23.57	22.70	22.92	24.19	21.87
March	23.29	22.81	23.04	23.51	21.76
April	22.27	22.03	22.25	22.32	21.78
May	25.85	25.67	25.93	25.77	29.70
June	30.50	28.42	28.71	32.28	34.79
Daily Average for Year	26.44	26.43	25.79	27.24	29.69
Variance	0.0%	2.5%	-5.3%	-8.3%	

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

SALE OF WATER - COMPARATIVE STATEMENT

AVERAGE MILLION GALLONS PER CALENDAR DAY

	2016/17	2015/16	2014/15	2013/14	2012/13
	Budget	Estimated			
Municipality	M.G.D.	M.G.D.	M.G.D.	M.G.D.	M.G.D.
Berkley	0.98	0.98	0.93	0.99	1.03
Beverly Hills	0.81	0.81	0.77	0.87	0.99
Bingham Farms	0.21	0.20	0.2	0.22	0.26
Birmingham	2.32	2.34	2.25	2.42	2.62
Clawson	0.76	0.75	0.76	0.78	0.80
Huntington Woods	0.47	0.47	0.45	0.49	0.53
Lathrup Village	0.34	0.33	0.33	0.36	0.39
Pleasant Ridge	0.22	0.23	0.21	0.23	0.25
Royal Oak	5.14	5.12	5.09	5.13	5.38
Southfield	9.11	9.02	9.04	9.32	9.93
Detroit - Zoo & Rackham	<u>0.31</u>	<u>0.33</u>	<u>0.31</u>	<u>0.31</u>	<u>0.36</u>
Authority	20.67	20.58	20.34	21.12	22.54
Variance	0.4%	1.2%	-3.7%	-6.3%	
Bloomfield Hills	1.10	1.12	1.04	1.21	1.43
Bloomfield Twp.	<u>4.67</u>	<u>4.72</u>	<u>4.41</u>	<u>4.91</u>	<u>5.71</u>
Total Sales	26.44	26.42	25.79	27.24	29.68
Variance	0.1%	2.4%	-5.3%	-8.2%	

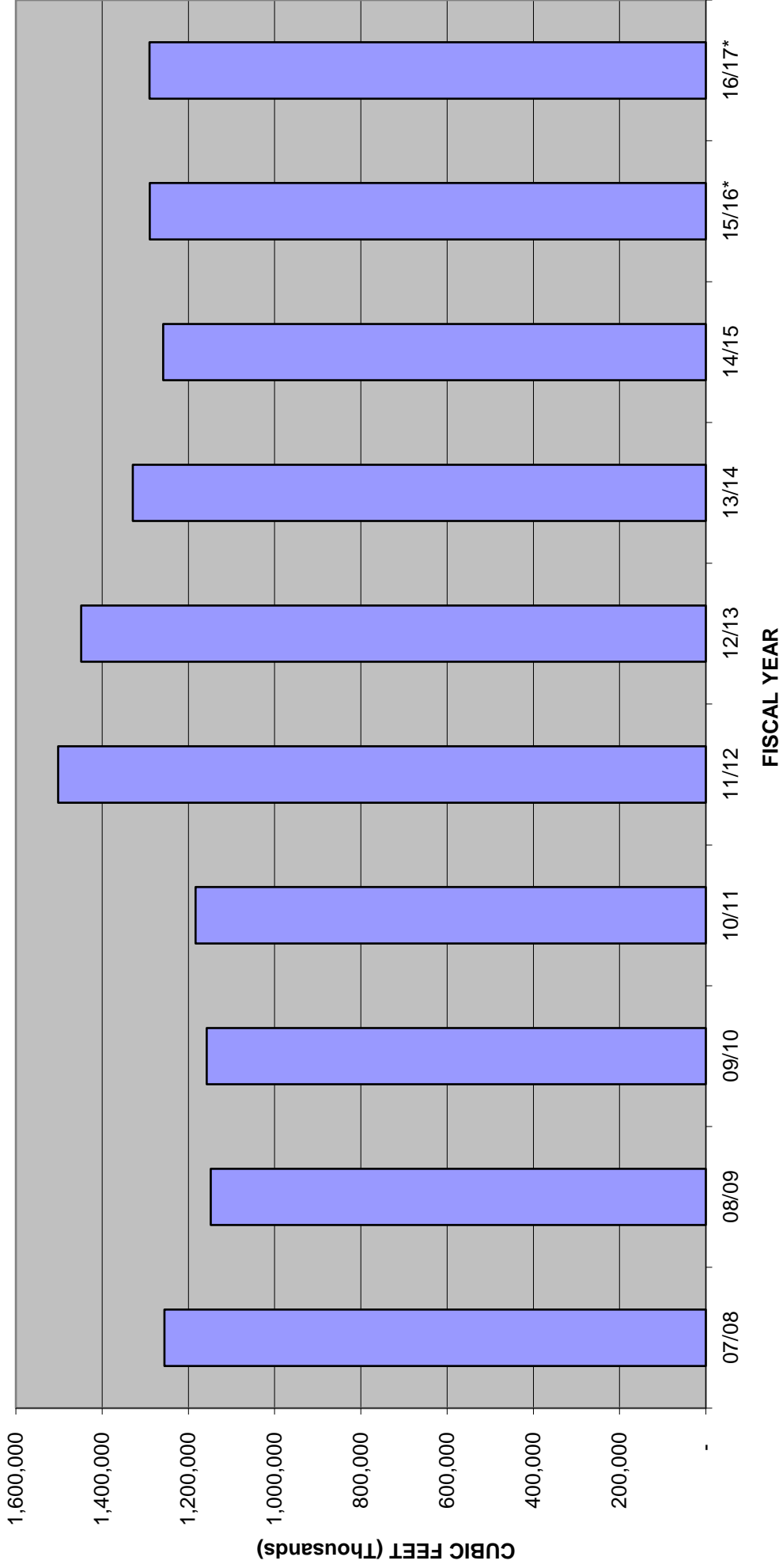
SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

ALLOCATED CAPACITY - M.G.D.

MAXIMUM DAY

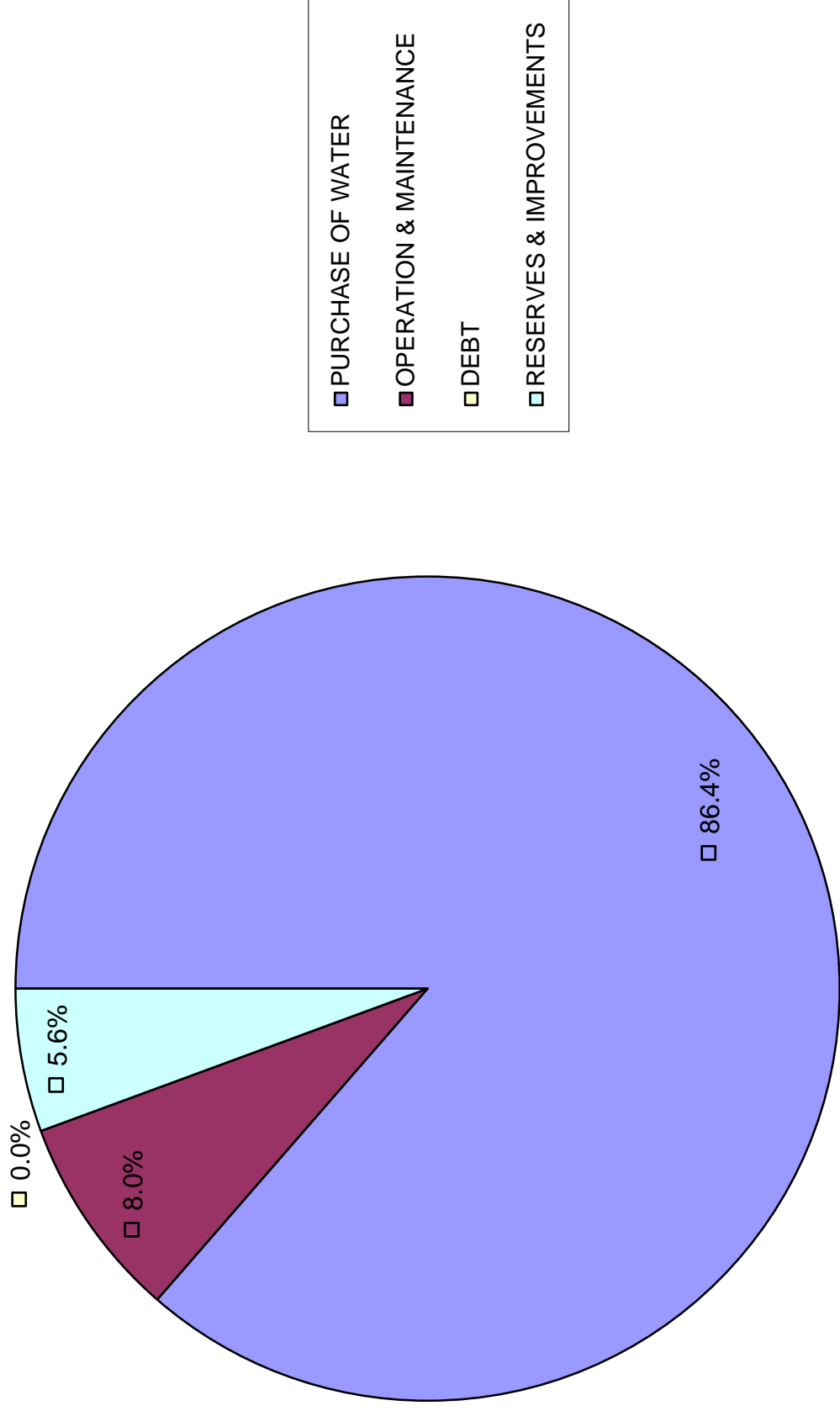
<u>Municipality</u>	<u>2016/17</u>	<u>2015/16</u>	<u>2014/15</u>	<u>2013/14</u>	<u>2012/13</u>
	Budget	Budget			
Berkley	5.53	5.53	5.53	5.53	5.53
Beverly Hills	7.80	7.80	7.80	7.80	7.80
Bingham Farms	1.00	1.00	1.00	1.00	1.00
Birmingham	8.49	8.49	8.49	8.49	8.49
Clawson	4.40	4.40	4.40	4.40	4.40
Huntington 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 - 2016/17*



*Estimated

SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY

DEBT COVERAGE

	<u>2016/17*</u>	<u>2015/16*</u>	<u>2014/15</u>	<u>2013/14</u>
Revenue	\$25,447,800	\$26,286,600	\$21,595,800	\$21,816,252
Operating Expense	\$24,019,450	25,174,650	21,914,300	\$21,445,812
Total Available for Debt Service	\$1,428,350	\$1,111,950	-\$318,500	\$370,440
Principal & Interest Requirements	\$730,000	\$730,000	\$729,750	\$732,763
% Coverage	196%	152%	-44%	51%
*Estimated				

SOCWA/SOCRRA ORGANIZATIONAL STRUCTURE

