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BUDGET – 2016/17

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2015/16

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SOCRRA
BUDGET - 2016/17

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Board of Trustees
SOCRRA

Subject: Proposed Budget- 2016/17 Fiscal Year

Board Members:

Attached for your review is the proposed budget for the fiscal year beginning July 1, 2016. This proposed budget will be discussed at our May Board meeting. A public hearing on the budget is scheduled for Wednesday, June 8, 2016 at 9:30 a.m. at the Oak Park City Hall, 14000 Oak Park Blvd.

Proposed Rates

The proposed 2016/17 budget calls for the rates from the SOCRRA member communities to be based on the Total Service Cost that was in place for the 2015/16 fiscal year modified to reflect the 2% increase proposed at the January Board meeting. In addition, we are proposing a \$1 per household per month surcharge for 2016/17. For 2016/17, this revenue will be dedicated toward the purchase of recycling carts for all of the households in the SOCRRA communities. As Huntington Woods has already funded recycling carts for all of the households in Huntington Woods, this surcharge will not be assessed against Huntington Woods in 2016/17. The surcharge will be used to generate the community match funds for the MDEQ grants that were recently received by several communities. This revenue will be accounted for separately for each SOCRRA community. It is expected that this surcharge will continue for several years in order to pay for the recycling carts and for the conversion of the MRF to single stream operation. This surcharge will generate approximately 30% of the cost of the recycling carts during 2016/17.

The proposed rates for the member communities are contained in the table on the next page and are consistent with the estimates communicated to the Board in January of 2016. The rates outlined below continue to place an incremental capital charge in addition to our base rate in order to continue to accumulate funds for the construction of a new single stream MRF. We are proposing to again bill each community a constant amount for the 2016/17 fiscal year, on a twice monthly basis. This cost includes all of the services provided by SOCRRA, which will include collection of recyclables, refuse and yard waste, as well as brush chipping for selected member communities. In addition, the proposed \$1 per household per month surcharge will be billed separately at the end of each month. The \$1 per household per month is not included in the revenue amounts contained in the budget.

Community	2016/17 Total Service Cost	Working Capital Cost	Total 2016/17 Cost	Cost per Billing	Monthly Surcharge
Berkley	\$897,938	\$25,429	\$923,367	\$38,474	\$6,304
Beverly Hills	623,496	21,129	644,625	26,859	\$4,227
Birmingham	1,395,634	49,531	1,445,165	60,215	\$9,401
Clawson	750,050	26,597	776,647	32,360	\$5,410
Ferndale	1,664,761	48,841	1,713,602	71,400	\$10,135
Hazel Park	1,082,688	29,941	1,112,629	46,360	\$6,488
Huntington Woods	339,374	13,060	352,434	14,685	\$0
Lathrup Village	280,069	7,963	288,032	12,001	\$1,648
Oak Park	1,585,363	44,063	1,629,426	67,893	\$9,774
Pleasant Ridge	173,665	7,220	180,885	7,537	\$1,169
Royal Oak	4,318,788	122,314	4,441,102	185,046	\$27,775
Troy	4,088,619	134,790	4,223,409	175,975	\$27,348
	\$17,200,446	\$530,878	\$17,731,324	\$738,805	\$109,679

The following rates are embedded in the Total Service Costs, which are unchanged from last year except that the recyclables credit has been reduced to \$20 per ton from \$25 per ton due to the low prices for our recycled commodities:

		Rate Per Ton	
		2016/17	2015/16
Municipal Solid Waste		\$27.00	\$27.00
Yard Waste	Leaves & Grass	\$24.00	\$24.00
	Wood Chips	\$10.00	\$10.00
Household Hazardous Waste		\$20/appt.	\$20/appt.

Recyclables Credit	Credit Per Ton	
	2016/17	2015/16
Dual Stream Recyclables	\$20.00	\$25.00
Separated Office Paper	\$55.00	\$55.00
Separated Cardboard	\$55.00	\$55.00

The following rate structure, unchanged from last year, is proposed for non-members:

NON-MEMBERS			
		Rate Per Ton	
		2016/17	2014/15
Municipal Solid Waste & Bulky Waste		\$60.00	\$60.00
Yard Waste	Leaves & Grass	60.00	60.00
Minimum Charge (1,000 lbs.)		35.00	35.00

Dual Stream Recyclables Credit (current contractors)	20.00	20.00
Municipal Solid Waste (with signed contract)	29.00	29.00

Basis for the Budget

The proposed 2016/17 budget is prepared assuming that sufficient total revenue will be generated to pay for the operating costs, capital expenditure costs, retiree health care funding and landfill maintenance costs incurred during the fiscal year. In addition, the working capital surcharge is being continued to accumulate funds for the single stream MRF project. The proposed budget generates a net income of \$408,857.

Post-closure landfill monitoring and maintenance expenses are not included in the operating budget, but are included in the Capital and Landfill Expenditures. The total liability to handle the landfill expenses over the 30 year post-closure period has been included each year in our annual audit. Our auditors update this liability as part of their annual audit process. However, we do need to generate enough cash from operations to pay these expenses. Madison Heights and Royal Oak Twp. will contribute to the costs of the landfill maintenance expenses through previously established mechanisms, thereby reducing these expenses by about 10%.

Budget Assumptions

The following assumptions were used to develop the proposed budget:

1. The MRF will operated as normal throughout the fiscal year. If the single stream MRF conversion project is approved, the MRF will be shut down for approximately 6 months. During this shut down, both MRF expenses and MRF revenue will be reduced.
2. Union wages were increased by 1.5%, as called for in our existing union contract and MRF temporary labor costs were increased due the increase in the minimum wage that will take place on January 1, 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 3.7% from their current levels.
4. Salaried wages were increased by 2%.
5. The number of full time salaried employees remains unchanged from last year. The number of SOCRRA union employees was reduced by one from the 2015/16 budget and includes one open position.
6. Tonnages contributed by the member communities were estimated as follows:
 - a. Recycling and refuse tonnage remained unchanged from the actual tonnage for the 12 months ending January 31, 2016.
 - b. Yard waste tonnage was estimated as the five year average.
7. Tonnages contributed by non-members was estimated as follows:
 - a. Refuse tonnage was reduced by 50% from the actual tonnage for the 12 months ending January 31, 2016.
 - b. Recyclables tonnage was unchanged from the actual tonnage for the 12 months ending January 31, 2016.
 - c. Yard waste tonnage was estimated as the five year average.
8. Prices for the sale of recycled commodities were estimated at the average price received for the previous 12 months:
 - a. Newspaper \$61/ton

- b. Cardboard \$79/ton
 - c. Boxboard \$50 per ton
 - d. High Density Polyethylene, natural \$617/ton
 - e. High Density Polyethylene, mixed color \$450/ton
 - f. PETE \$192/ton
 - g. Scrap Metal \$84/ton
 - h. Aluminum \$723/ton.
9. Insurance premiums were estimated as follows:
 - a. Property and Liability decreased by 5%
 - b. Worker's Compensation increased by 5%
 10. Advanced Disposal's rates for MSW disposal are based on our contract with the appropriate fuel and CPI escalators for 2016/17.
 11. Brush chipping rates are estimated based on our current contract with J. H. Hart Forestry, which expires on June 30, 2016.
 12. Collection rates for Car Trucking, Rizzo Services and Tringali Sanitation are based on our contracts with the appropriate fuel and CPI escalators for 2016/17.
 13. No changes were made to the services provided to the member communities.
 14. An additional \$20,000 was added to our post-employment health care trust, which should be sufficient to maintain a small OPEB asset on our Statement of Net Position.
 15. No changes were assumed to our currently restricted landfill security and maintenance accounts except for the annual \$10,000 deposit to the landfill end use account will be made from the landfill security and maintenance account.

Proposed Budget - 2016/17

Pages 8 through 10 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. For each cost and revenue category, the proposed budget for 2016/17, the estimated actual expenses or revenues for 2015/16 and the 2015/16 budget are presented. Detailed month-by-month expenditure and revenue plans have been developed for each line item in the budget. These schedules are not included in this package.

On page 11 of the Budget is a list of proposed capital, pension and landfill expenditures for 2016/17 in the amount of \$784,000. These individual expenditures will be reviewed with the Board before they are incurred.

Page 12 gives a comparative statement of revenues and expenditures by major category for 2016/17 and the prior four fiscal years.

Page 13 displays the estimated tonnages, by type of material and by community, that were used to develop the 2016/17 budget.

Page 14 summarizes the projected tonnage and revenue from each member community.

The charts on pages 15, 16 and 17 show the source of revenue and expenses by major category for 2016/17 and the total tonnage handled for the last 8 years with estimates for 2015/16 and 2016/17.

Finally, pages 18 through 20 describe how the operations of SOCRRA will take place for 2016/17.

Following is a comparison of the proposed 2016/17 Budget, the projected 2015/16 results with the results for the past eight fiscal years:

Fiscal Year	Total Tons	Total Revenues	Total Operating Expenditures	Capital Expense	Net Income
Budget 2016/17	189,277	\$20,075,324	\$18,882,467	\$784,000	\$408,857
Projected 2015/16	208,460	20,091,000	18,695,500	400,000	995,500
Actual 2014/15	230,645	23,085,655	23,115,697	346,398	-376,440
Actual 2013/14	202,560	19,928,335	19,694,573	501,569	-267,807
Actual 2012/13	193,308	20,003,188	19,385,284	188,222	429,682
Actual 2011/12	192,188	19,878,008	18,827,996	169,535	880,477
Actual 2010/11	193,873	19,413,044	18,434,504	297,387	681,005
Actual 2009/10	187,700	18,534,165	17,906,831	249,719	377,615
Actual 2008/09	181,603	18,532,297	18,159,876	175,824	196,597
Actual 2007/08	186,210	18,034,028	17,683,265	342,831	7,932

Employees' Retirement Plan

SOCRRA 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 Authority union employees is 68% funded. For employees hired before July 1, 2010, SOCRRA will contribute 19.4% of union payroll to fund the retirement plan for 2016/17 and the union employees will contribute 2.5% of salary, which reduced the amount of the SOCRRA contribution. Employees hired after July 1, 2010 are covered under a MERS hybrid pension plan. SOCRRA will contribute 5.06% of salary to fund the defined benefit portion of the plan and 3% of salary to fund the defined contribution portion of the plan. Employees are not required to contribute to this plan, but SOCRRA will match employee contributions to the defined contribution portion of this plan up to a maximum of 3% of salary. The salaried employees of SOCRRA are covered under a MERS retirement plan administered through the Southeastern Oakland County Water Authority.

Organizational Structure

Page 21 shows the organizational structure of SOCRRA, listing the number of personnel involved in each of the operations of SOCRRA.

Respectfully Submitted,

Jeffrey A. McKeen, P.E.
General Manager

SOCRRA

PROPOSED BUDGET

2015/16

<u>ESTIMATED REVENUES</u>	2016/17	2015/16	2015/16
	Budget	Estimate	Budget
<u>Municipal Refuse</u>			
Member MSW	\$17,731,324	\$17,225,000	\$17,067,700
Non-Member MSW	660,000	1,265,000	660,000
Non-Member Yard Waste	<u>70,000</u>	<u>113,000</u>	<u>70,000</u>
sub-total	\$18,461,324	\$18,603,000	\$17,797,700
<u>Sale of Recycled Materials</u>			
Paper	\$595,000	\$508,000	\$610,000
Boxboard	\$214,000	\$202,000	\$210,000
Cardboard	\$56,000	\$49,000	\$53,000
Plastics	405,000	343,000	518,000
Scrap Metal	31,000	46,000	79,000
Tin Cans	43,000	58,000	121,000
Non-Ferrous Metal	13,000	11,000	17,000
Glass	10,000	6,000	13,000
Batteries	4,000	3,000	4,000
Electronics	<u>0</u>	<u>19,000</u>	<u>24,000</u>
sub-total	\$1,371,000	\$1,245,000	\$1,649,000
<u>Others</u>			
Compost	\$90,000	\$113,000	\$60,000
Interest on Investments	20,000	19,000	20,000
Rental Income	108,000	92,000	90,000
Miscellaneous Income	<u>25,000</u>	<u>19,000</u>	<u>25,000</u>
sub-total	\$243,000	\$243,000	\$195,000
TOTAL ESTIMATED REVENUES:	\$20,075,324	\$20,091,000	\$19,641,700

SOCRRA

PROPOSED BUDGET

2015/16

ESTIMATED EXPENDITURES			
Madison Heights Transfer Station	2016/17	2015/16	2015/16
	Budget	Estimate	Budget
Labor and Supervision	\$27,500	\$33,000	\$27,500
Utilities	31,500	23,000	31,500
Maintenance of Equipment	0	2,000	0
Maintenance of Building	1,800	3,000	1,800
Maintenance of Property & Grounds	0	5,000	0
Supplies	400	300	400
Environmental Testing	1,000	1,000	1,000
Hauling Yard Waste	40,000	37,000	60,000
Contractual MSW	5,000	0	10,000
sub-total	\$107,200	\$104,300	\$132,200
Troy Transfer Station			
Labor and Supervision	\$291,500	\$331,000	\$291,500
Utilities	24,200	28,000	24,200
Maintenance of Equipment	198,000	131,000	198,000
Maintenance of Building	2,900	8,000	2,900
Maintenance of Property and Grounds	1,500	1,000	1,500
Supplies	1,650	10,000	1,650
Empty Rolloff Containers	24,000	0	0
Hauling Yard Waste	60,000	84,000	60,000
Contractual MSW	2,566,577	2,894,000	2,587,000
sub-total	\$3,170,327	\$3,487,000	\$3,166,750
Material Recovery Facility			
Labor and Supervision	\$424,800	\$442,000	\$424,800
Temporary Labor	\$510,000	\$546,000	\$510,000
Utilities	56,400	49,000	56,400
Maintenance of Equipment	150,000	117,000	150,000
Maintenance of Building	8,400	16,000	8,400
Maintenance of Property & Grounds	3,000	3,000	3,000
Supplies	57,000	62,000	57,000
Glass Recycling	15,000	15,000	5,000
Plastic Recycling	0	0	1,000
Styrofoam Recycling	0	4,000	2,000
Reject	32,800	24,000	32,800
Emptying Rolloff Containers	36,000	35,000	36,000
sub-total	\$1,293,400	\$1,313,000	\$1,286,400
Household Hazardous Waste			
Labor and Supervision	\$37,100	\$38,000	\$37,100
HH Waste Disposal	246,000	250,000	246,000
Electronics Recycling	55,000	15,000	0
Disposal of Batteries	2,000	4,000	2,000
sub-total	\$340,100	\$307,000	\$285,100

SOCRRA

PROPOSED BUDGET

2015/16

ESTIMATED EXPENDITURES			
Compost Operations	2016/17	2015/16	2015/16
	Budget	Estimate	Budget
Labor and Supervision	\$188,000	\$172,000	\$167,600
Utilities	3,950	4,000	3,700
Maintenance of Equipment	176,000	135,000	169,000
Maintenance of Building	3,600	3,000	6,000
Maintenance of Property and Grounds	7,250	19,000	7,500
Supplies	4,000	3,000	3,400
Delivery of Compost	33,000	41,000	36,500
Compost Reject	45,000	16,000	51,000
Environmental Testing	1,000	2,000	2,000
sub-total	\$461,800	\$395,000	\$446,700
Administrative and General			
Salaries	\$261,000	\$248,000	\$275,000
Administrative and Office	15,000	18,000	15,000
Office Space Rental	40,000	40,000	40,000
Personnel Improvement	1,000	2,000	1,000
Travel and Conference	10,000	7,000	5,000
Legal	45,000	35,000	24,000
Audit	17,200	17,200	17,200
Other Accounting	0	0	0
Unemployment	0	0	0
Social Security	94,300	97,000	93,700
Retirement Plan	221,000	269,000	244,000
Property and Liability Insurance	69,000	(28,000)	70,400
Workers Comp Insurance	19,000	18,000	24,400
Health Care Insurance	334,000	324,000	335,000
Life Insurance	8,500	5,000	3,100
Retiree Health Care Funding	20,000	10,000	20,000
Permits and Bonds	0	0	0
Property Taxes	29,000	28,000	29,000
Host Community Fee - Madison Heights	17,000	16,000	19,000
Grant Expenses	0	0	0
Recycling Education	10,000	4,000	10,000
Miscellaneous Recycling	20,000	58,000	10,000
Consulting	60,000	44,000	60,000
Rental Houses	25,000	21,000	25,000
Miscellaneous	10,000	24,000	10,000
sub-total	\$1,326,000	\$1,257,200	\$1,330,800
Collection Contract Expenses	\$12,183,640	\$11,832,000	\$12,089,000
TOTAL OPERATING EXPENSES:	\$18,882,467	\$18,695,500	\$18,736,950
Revenues - Expenses	\$1,192,857	\$1,395,500	\$904,750
Capital, Pension and Landfill Expenditures	\$784,000	\$400,000	\$725,200
Net Income	\$408,857	\$995,500	\$179,550

SOCRRA

CAPITAL, PENSION AND LANDFILL EXPENDITURES

2015/16

CAPITAL EXPENDITURES		
<u>Project</u>	<u>Location</u>	<u>Expense</u>
Payments for Scarab Compost Turner	Compost Site	\$79,000
Scale	Compost Site	70,000
Site Plan and Phase I Building Improvements	Compost Site	50,000
Payment for Front End Loader	Troy Transfer	74,000
Transfer Station Improvements	Troy Transfer	150,000
Payments for Front End Loader	MRF	50,000
Drop-Off Center Improvements	Drop-Off Center	<u>50,000</u>
Total Capital Expenditures		\$523,000
LANDFILL EXPENDITURES		
<u>Project</u>		
Semi-Annual Monitoring	Landfill	\$21,000
Leachate Disposal	Landfill	35,000
Maintenance	Landfill	<u>10,000</u>
Total Landfill Expenditures		\$66,000
ADDITIONAL PENSION CONTRIBUTIONS		
Additional MERS Pension Plan Contribution		\$195,000
TOTAL CAPITAL, PENSION AND LANDFILL EXPENDITURES		\$784,000

SOCRRA

COMPARATIVE STATEMENT - REVENUES AND EXPENDITURES

<u>REVENUE</u>	<u>2016/17</u>	<u>2015/16</u>	<u>2014/15</u>	<u>2013/14</u>	<u>2012/13</u>
	Budget	Estimate			
Municipal Refuse					
Members	\$17,731,324	\$17,225,000	\$19,884,790	\$16,754,924	\$17,001,212
Others	660,000	1,265,000	1,500,467	1,313,029	1,207,661
	\$18,391,324	\$18,490,000	\$21,385,257	\$18,067,953	\$18,208,873
Yard Waste					
Others	70,000	113,000	126,043	109,911	90,011
	\$70,000	\$113,000	\$126,043	\$109,911	\$90,011
Recyclables					
Sale of Recyclables	\$1,371,000	\$1,245,000	\$1,248,283	\$1,435,137	\$1,470,855
Other Income					
Rental Income	\$108,000	\$92,000	\$84,167	\$90,156	\$86,117
Interest on Investments	20,000	19,000	23,483	26,559	22,636
Compost Sales	90,000	113,000	118,191	111,709	101,970
Grant Income	0	0	0	0	0
Miscellaneous	25,000	19,000	20,983	24,158	22,726
	\$243,000	\$243,000	\$246,824	\$252,582	\$233,449
TOTAL REVENUES	\$20,075,324	\$20,091,000	\$23,006,407	\$19,865,583	\$20,003,188
Average Income Per Ton	\$106.06	\$95.88	\$110.36	\$98.07	\$103.48
TOTAL TONS	189,277	209,539	208,460	202,560	193,308
EXPENDITURES					
Madison Heights Facility	\$107,200	\$104,300	\$397,053	\$137,483	\$105,232
Troy Transfer Station	3,170,327	3,487,000	4,511,156	3,783,676	3,483,413
Material Recovery Facility	1,633,500	1,620,000	1,720,000	1,589,601	1,549,391
Landfill-Compost Operation	461,800	395,000	914,852	551,601	415,308
Collection Costs	12,183,640	11,832,000	14,160,780	12,475,261	12,782,489
Administrative and General	1,326,000	1,257,200	1,411,856	1,156,951	1,049,451
	\$18,882,467	\$18,695,500	\$23,115,697	\$19,694,573	\$19,385,284
AVERAGE COST PER TON	\$99.76	\$89.22	\$110.89	\$97.23	\$100.28

SOCRRA

ESTIMATED TONNAGES

2016/17

City	MSW	Yard Waste	Recyclables	Total
Berkley	5,656	2,249	1,071	8,976
Beverly Hills	3,811	2,437	1,174	7,422
Birmingham	9,889	4,281	2,118	16,288
Clawson	5,079	1,787	723	7,589
Ferndale	10,111	3,000	1,649	14,760
Hazel Park	6,877	1,444	580	8,901
Huntington Woods	2,063	1,411	1,036	4,510
Lathrup Village	1,693	996	245	2,934
Oak Park	10,232	2,953	870	14,055
Pleasant Ridge	928	873	312	2,113
Royal Oak	23,766	11,323	3,897	38,986
Troy	27,518	9,319	4,956	41,793
Member Totals	107,623	42,073	18,631	168,327
Non-member	19,183	1,320	447	20,950
Total	126,806	43,393	19,078	189,277

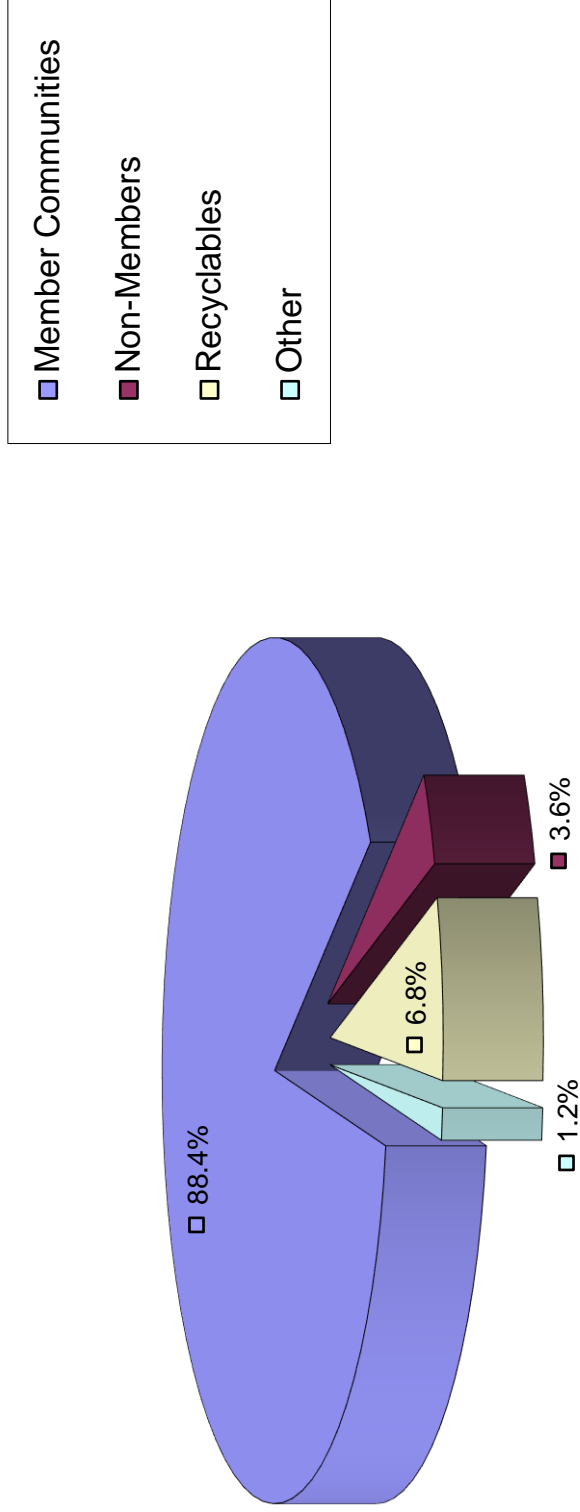
SOCRRA

ESTIMATED TONNAGE AND REVENUES

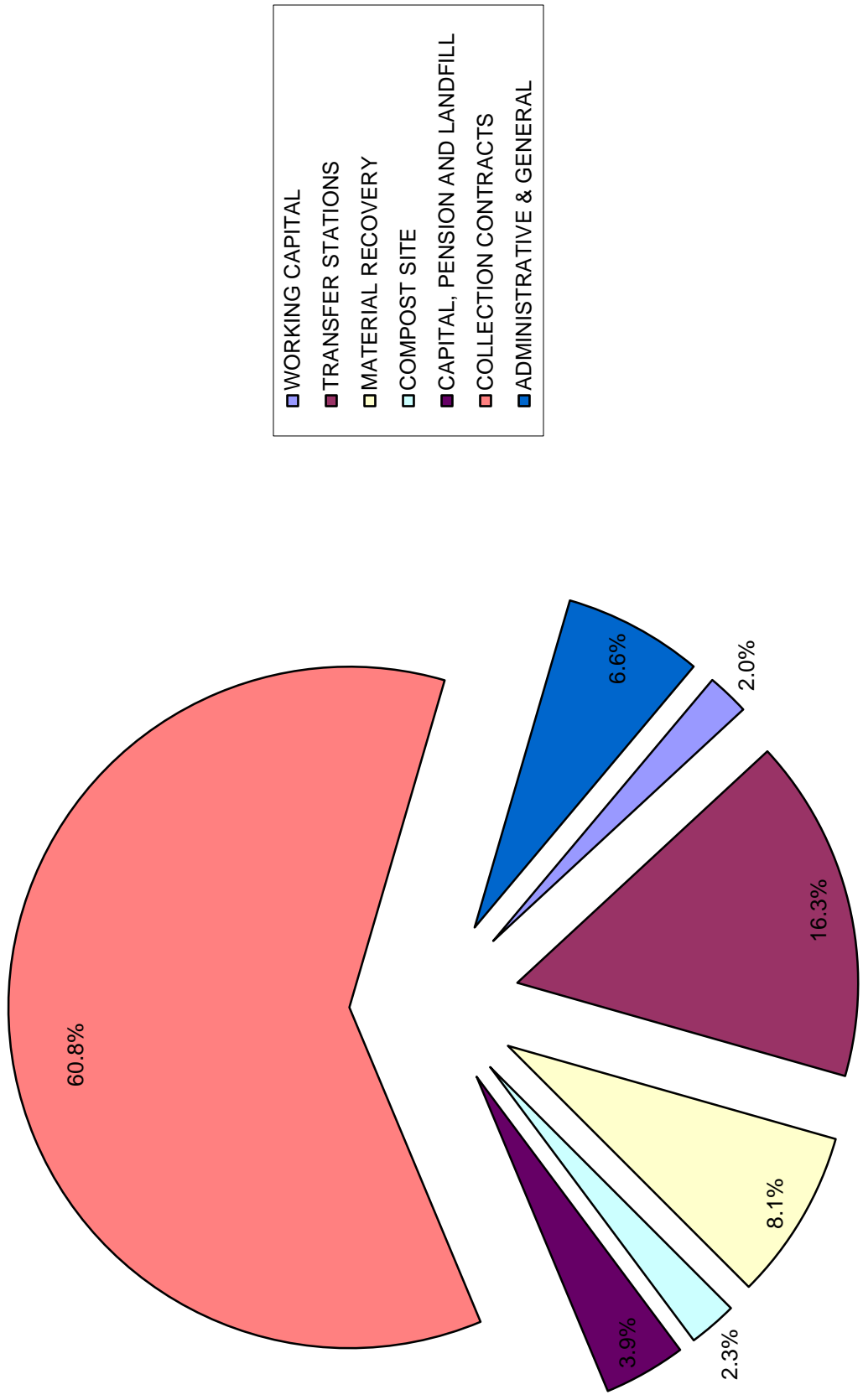
	<u>2016/17 Proposed</u>	<u>2015/16*</u>	<u>2014/15</u>	<u>2013/14</u>
BERKLEY				
Total Tons	8,977	9,110	11,730	8,926
Revenue	\$923,367	\$916,000	\$1,206,432	\$875,830
Monthly Surcharge	\$6,304			
BEVERLY HILLS				
Total Tons	7,422	7,208	8,327	7,750
Revenue	\$644,625	\$632,000	\$620,544	\$607,920
Monthly Surcharge	\$4,227			
BIRMINGHAM				
Total Tons	16,289	16,478	15,978	16,028
Revenue	\$1,445,165	\$1,421,000	\$1,393,836	\$1,370,393
Monthly Surcharge	\$9,401			
CLAWSON				
Total Tons	7,590	7,668	8,848	7,812
Revenue	\$776,647	\$775,000	\$949,479	\$730,767
Monthly Surcharge	\$5,410			
FERNDALE				
Total Tons	14,760	14,847	16,740	15,145
Revenue	\$1,713,602	\$1,710,000	\$1,917,323	\$1,619,583
Monthly Surcharge	\$10,135			
HAZEL PARK				
Total Tons	8,900	9,083	10,350	8,849
Revenue	\$1,112,629	\$1,092,000	\$1,200,161	\$1,049,256
Monthly Surcharge	\$6,488			
HUNTINGTON WOODS				
Total Tons	4,510	4,637	8,090	4,362
Revenue	\$352,434	\$346,000	\$707,901	\$332,640
Monthly Surcharge	\$0			
LATHRUP VILLAGE				
Total Tons	2,935	3,004	2,897	2,750
Revenue	\$288,032	\$285,000	\$279,068	\$272,197
Monthly Surcharge	\$1,648			
OAK PARK				
Total Tons	14,054	14,277	18,186	13,661
Revenue	\$1,629,426	\$1,623,000	\$2,151,976	\$1,543,498
Monthly Surcharge	\$9,774			
PLEASANT RIDGE				
Total Tons	2,113	2,154	2,300	2,100
Revenue	\$180,885	\$180,000	\$189,665	\$171,124
Monthly Surcharge	\$1,169			
ROYAL OAK				
Total Tons	38,985	38,643	44,400	38,923
Revenue	\$4,441,102	\$4,040,000	\$4,971,829	\$4,189,787
Monthly Surcharge	\$27,775			
TROY				
Total Tons	41,793	41,998	42,189	41,318
Revenue	\$4,223,409	\$4,205,000	\$4,296,576	\$3,991,930
Monthly Surcharge	\$27,348			
OTHER CUSTOMERS				
Total Tons	20,949	40,431	40,610	34,936
Revenue	\$730,000	\$1,378,000	\$1,613,709	\$1,428,400
TOTAL				
Total Tons	189,277	209,538	230,645	202,560
Revenue	\$18,461,323	\$18,603,000	\$21,498,499	\$18,183,325

*Estimated, 2014/15 data excludes August 2014 Flood

SOCRRA SOURCE OF REVENUE - 2016/17 BUDGET

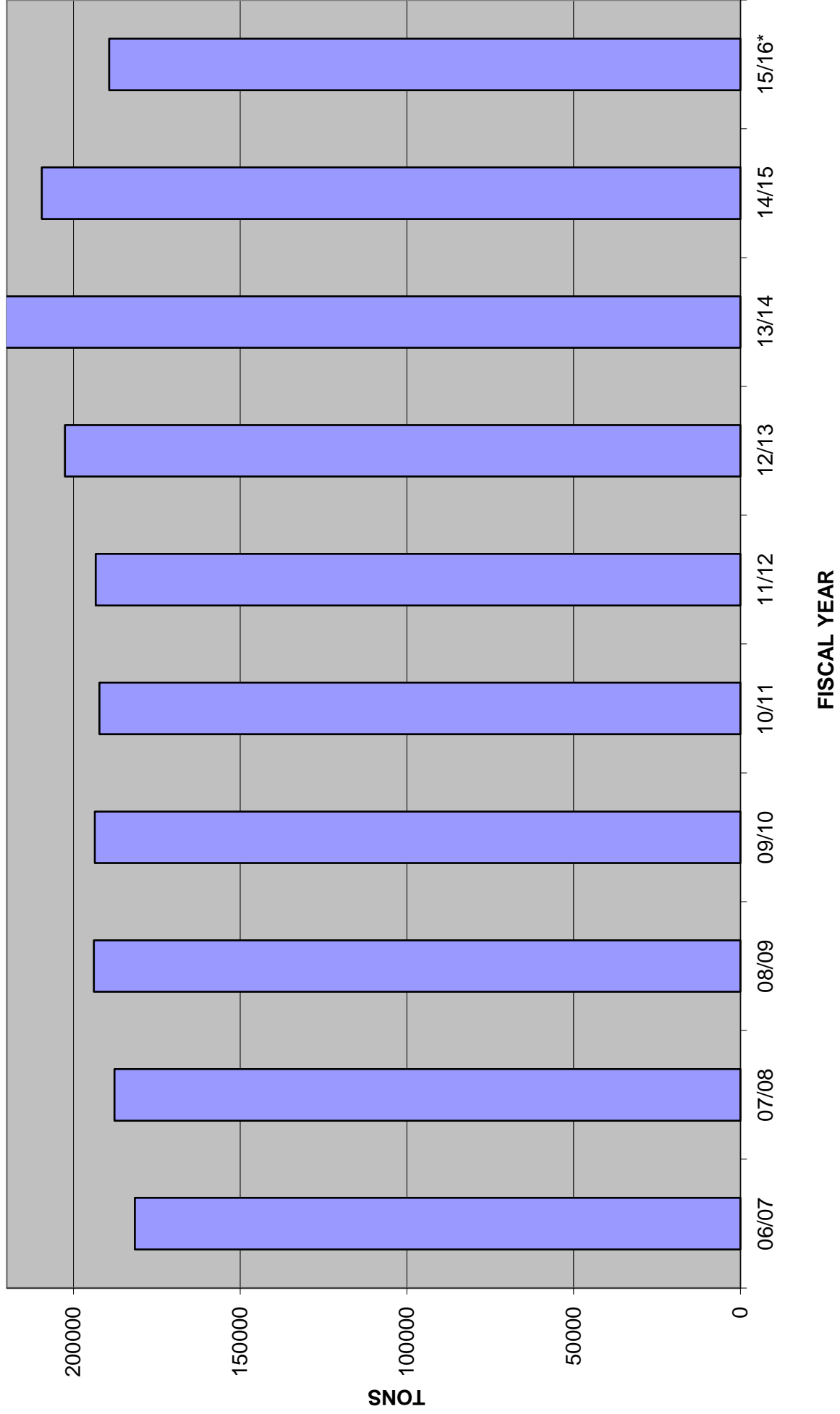


SOCRRA DISTRIBUTION OF EXPENSES-2016/17



* Estimated

SOCRRA TOTAL TONNAGE HANDLED - 2016/17 BUDGET



*Estimated

2016/2017 Operating Narrative

No significant operational changes are planned for the 2016/17 fiscal year. The typical operations planned for the fiscal year are:

Troy Transfer Station

Approximately 126,806 tons of municipal solid waste from member communities, Car Trucking, Rizzo Services, Tringali Sanitation, Advanced Disposal, Dinverno Group and small private contractors are expected to be transferred at the Troy facility. Six Utility Operators will be needed to operate the facility on split shifts to cover core hours of operation of 7 a.m. to 6 p.m. One Utility Operator will be transferred to the Compost Site for the months of May through September. They will also perform daily equipment inspections and limited preventative maintenance, janitorial clean-up and other non-major building and equipment repair work and load out bulky scrap metal and cash customer yard waste. The following is a description of normal activities:

- a) Arriving packer trucks will be weighed in on the computerized scale, given a printed ticket listing their net weight and then directed by SOCRRA staff to deposit the material into either of the two compactors.
- b) SOCRRA staff keep 125 cubic yard rear-load trailers hooked to each of the trash compactors (2 at the Transfer Station and 1 behind the MRF), determine when the trailers are filled, and switch an empty trailer for the full trailer. Any trash spilled during the loading process is placed into one of two roll-off containers. Roughly 15 trailer loads per day are expected to leave the SOCRRA facility for disposal at Advanced Disposal's Arbor Hills Landfill, via a subcontracted trucking firm hired by Advanced.
- c) Trucks picking up bulky white goods/scrap metal dump adjacent to the building, which allows SOCRRA staff to load the material into a rolloff box spotted by our scrap metal recycler. Refrigerators are staged at the Transfer Station and Freon is removed by a private contractor before being loaded into the scrap metal rolloff.

Oversight is provided on a daily basis by SOCRRA's MRF & Transfer Station Supervisor, supplemented by Advanced Disposal's Field Supervisor who has direct responsibility for the subcontracted fleet of trucks and trailers.

Compost Operations

The operation at the Compost Site is expected to consist of the following sequential activities, beginning in July:

- a) Roughly 10 packer trucks are expected to direct-haul grass clippings to the site each day. They will dump their contents next to a row of leaves and have the weight of grass estimated by SOCRRA staff.
- b) Two Heavy Equipment Operators and a Supervisor will work from 8 a.m. to 4 p.m. and Saturdays only as required.
- c) Beginning in the middle of October and continuing thru mid-December, leaves will be brought out to the site for shredding by the horizontal grinder. During peak season, the haulers will utilize packer trucks, rolloffs and semi-trailers to deposit their leaves on the compost pad.

d) Over the winter and into spring, one Heavy Equipment Operator and the Supervisor will grind all of the leaves, and then construct large windrow stockpiles on the compost pad. They will also perform equipment maintenance with our Maintenance Mechanics and screen the finished compost.

e) Once grass season begins in 2017, loads of grass will be delivered each day and the equipment operators will mix grass and leaves in a 1:2 ratio, moving along the leaf windrow stockpiles on the pad. These windrow stockpiles will be periodically assessed using suitable decomposition parameters and turned by the Scarab compost turner until the material is sufficiently decomposed.

f) Once the composting/decomposition process has proceeded sufficiently and the material screened, the finished compost will be re-located and re-formed into "curing" stockpiles, for delivery to DPW yards after roughly 3 months of curing.

MRF Operations

Approximately 19,038 tons of recyclables are expected to be delivered to the Authority's MRF for processing in 2016/17, with another 1,000 tons from the drop-off center. Five Utility Recyclers and one SOCRRA Sorter work with sorters provided by a temp agency from 7:30 a.m. to 4 p.m., year-round. Occasionally, two Utility Recyclers and a Sorter will work the afternoon shift to curtail overtime and to increase production efficiency. Dual-stream recyclables will be processed as follows:

a) Recycling trucks that arrive are weighed in on a computerized scale, given a printed ticket, and then proceed to the tipping areas.

b) Mixed containers (plastic bottles, clear and colored glass bottles, aseptic containers, metal cans/scrap, and miscellaneous plastic containers) are tipped inside the MRF for processing thru the dual stream line. Six Sorters and one Recycler are utilized (in conjunction with the conveyor magnet) to sort the various containers into the following categories: aseptics & paper, natural HDPE (milk jugs), mixed-color HDPE, PETE, miscellaneous plastic containers & plastic bags, large pieces of glass bottles, small pieces of glass bottles, ferrous cans, non-ferrous cans, and non-acceptable reject.

c) Mixed paper products are tipped in a different area within the MRF. Seven Sorters and one Recycler are utilized to sort the fiber materials into the following three categories: a) #8 grade newspaper with magazines, office paper, junk mail and telephone books; b) cardboard, boxboard, aseptic containers & brown paper grocery bags, and c) reject.

d) A Utility Recycler operates a small loader and the sorted recyclables silo discharge system to feed individual items into the baler, another operates the baler and another operates a fork lift to load the trailers delivering product to the vendors.

Supervision is provided by the MRF & Transfer Stations Supervisor who is also responsible for the adjoining Transfer Station, the Household Hazardous Waste program and the recycling drop-off center.

Special Household Waste and Electronics Recycling Programs

A SOCRRA Household Hazardous Waste Operator has been instructed on safe techniques for accepting the household hazardous waste chemicals and used electronic equipment brought in by the residents of the member communities on an appointment basis.

Recycling Drop-Off Center

One temporary employee will be assigned to work with the public who utilize the drop-off center at the MRF. This responsibility includes monitoring and servicing the large paper shredder, assisting residents as required, cleaning the drop-off center area and assisting with the Household Hazardous Waste drop-off center, as required.

Maintenance

Four Maintenance Mechanics are responsible for carrying out equipment maintenance and for overseeing contractual work at all of the Authority facilities. Major items needing their attention include: Madison Heights Facility (limited preventative maintenance so the facility can remain in stand-by mode); Troy Transfer Station (Cat 236 skid-steer loader, Cat 950 series loaders, Hitachi excavator, three used shuttle trucks, three compactors); Landfill/Compost Site (two Volvo L120 loaders, MCB screener, D5 dozer, Moxy dump truck, Bandit Beast grinder and Scarab compost turner); MRF (Cat 906 loader, John Deere 924 loader, Yale and Clark forklifts, fiber sorting conveyor system, container sorting conveyor system, baler feed conveyor, baler & wire strapper).

Madison Heights Transfer Station

This facility will remain unattended except during the fall leaf season. It will be used periodically to handle refuse to ensure that the facility is operable for backup purposes. Grounds maintenance will be performed by SOCRRA's maintenance mechanics and part-time help.

Landfill Operations

The landfill has been closed. Only limited expenses related to routine inspections, erosion control and methane/groundwater monitoring have been budgeted.

SOCWA/SOCRRA ORGANIZATIONAL STRUCTURE

