

**Alameda County Waste  
Management Authority,  
Alameda County Source  
Reduction and Recycling Board  
and Energy Council  
Oakland, California**

*Annual Audit Report and Financial Statements*

*For the year ended June 30, 2019 and 2018*



**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
**Basic Financial Statements**  
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**For the years ended June 30, 2019 and 2018**

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# ALAMEDA COUNTY WASTE MANAGEMENT AUTHORITY

## Board of Directors

June 2019

Dave Sadoff, Castro Valley Sanitary District, President

Tim Rood, City of Piedmont, 1<sup>st</sup> Vice President

Deborah Cox, City of San Leandro, 2<sup>nd</sup> Vice President

Shelia Young, Oro Loma Sanitary District

Michael Hannon, City of Newark

Dianne Martinez, City of Emeryville

Jim Oddie, City of Alameda

Keith Carson, County of Alameda

Rochelle Nason, City of Albany

Susan Wengraf, City of Berkeley

Melissa Hernandez, City of Dublin

Jenny Kassan, City of Fremont

Francisco Zermeño, City of Hayward

Bob Carling, City of Livermore

Dan Kalb, City of Oakland

Jerry Pentin, City of Pleasanton

Emily Duncan, City of Union City

# ALAMEDA COUNTY SOURCE REDUCTION AND RECYCLING BOARD

## Board of Directors

June 2019

Sarah Vared, President

Deborah Cox, 1<sup>st</sup> Vice President

Jillian Buckholz, Recycling Programs, 2<sup>nd</sup> Vice President

Bernie Camara, Recycling Materials Processing Industry

Francisco Zermeño, City of Hayward

Dianne Martinez, City of Emeryville

Jim Oddie, City of Alameda

Vacant, Environmental Educator

Tianna Nourot, Solid Waste Industry Representative

Dave Sadoff, Castro Valley Sanitary

Vacant, Environmental Organization District

# ENERGY COUNCIL

## Board of Directors

June 2019

Jim Oddie, City of Alameda, President

Deborah Cox, City of San Leandro, 1<sup>st</sup> Vice President

Melissa Hernandez, City of Dublin, 2<sup>nd</sup> Vice President

Dan Kalb, City of Oakland

Dianne Martinez, City of Emeryville

Michael Hannon, City of Newark

Tim Rood, City of Piedmont

Keith Carson, County of Alameda

Rochelle Nason, City of Albany

Susan Wengraf, City of Berkeley

Francisco Zermeño, City of Hayward

Bob Carling, City of Livermore

Jerry Pentin, City of Pleasanton

Emily Duncan, City of Union City

Jenny Kassan, City of Fremont



## INDEPENDENT AUDITOR'S REPORT

To the Board of Directors  
of Alameda County Waste Management Authority  
Alameda County Source Reduction and Recycling Board  
and Energy Council  
Oakland, California

### **Report on the Financial Statements**

We have audited the accompanying financial statements of the Alameda County Waste Management Authority, Alameda County Source Reduction and Recycling Board and Energy Council (Agency) as of and for the year ended June 30, 2019 and June 30, 2018, and the related notes to the financial statements, which collectively comprise the Agency's basic financial statements as listed in the table of contents.

### **Management's Responsibility for the Financial Statements**

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### **Auditor's Responsibility**

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

To the Board of Directors  
of Alameda County Waste Management Authority  
Alameda County Source Reduction and Recycling Board  
and Energy Council  
Oakland, California  
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## **Opinions**

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the Agency, as of June 30, 2019 and June 30, 2018, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

## **Other Matters**

### *Required Supplementary Information*

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, defined benefit pension plan information, and OPEB plan information on pages 5 to 7 and pages 39 to 42 to be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

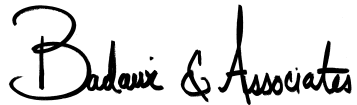
### *Other Information*

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Agency's basic financial statements. The list of Board of Directors and the Supplementary Schedules for Waste Management, Recycling Board and Energy Council are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The Supplementary Schedules are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Supplementary Schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

To the Board of Directors  
of Alameda County Waste Management Authority  
Alameda County Source Reduction and Recycling Board  
and Energy Council  
Oakland, California  
Page Three

The list of Board of Directors has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on them.

A handwritten signature in black ink that reads "Badawi & Associates". The signature is written in a cursive, flowing style.

Badawi & Associates  
Certified Public Accountants  
Berkeley, California  
December 17, 2019

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**ALAMEDA COUNTY WASTE MANGEMENT AUTHORITY, ALAMEDA COUNTY SOURCE  
REDUCTION AND RECYLING BOARD AND ENERGY COUNCIL (“STOPWASTE”)  
MANAGEMENT’S DISCUSSION AND ANALYSIS FOR THE YEARS ENDED JUNE 30, 2019 AND 2018**

This section presents management’s analysis of the Alameda County Waste Management Authority’s, the Alameda County Source Reduction and Recycling Board’s and the Energy Council’s (herein referred to as the Agency) financial condition and activities as of and for the years ended June 30, 2019 and 2018. Management’s Discussion and Analysis (MD&A) provides an overview of the Agency which is commonly known and identified as “StopWaste.” To obtain a complete understanding of the Agency’s financial condition, this document should be read in conjunction with the financial statements and the accompanying notes to those financial statements.

**ORGANIZATION AND BUSINESS**

The Agency operating as StopWaste is comprised of three separate legal entities: The Alameda County Waste Management Authority, the Alameda County Source Reduction and Recycling Board, and the Energy Council. StopWaste helps local governments, businesses, schools and residents with projects and initiatives that improve recycling and reduce waste; develop and expand markets for recycled materials, provide technical and implementation assistance to improve recycling; motivate people to make recycling and waste reduction part of their everyday routines, increase energy efficiency and increase community resilience to climate change.

**OVERVIEW OF THE BASIC FINANCIAL STATEMENTS**

The Agency operates as an Enterprise Fund and presents its financial statements using the full accrual basis of accounting. Revenues are recorded when earned and expenses recorded at the time liabilities are incurred, regardless of when cash is received or paid.

The Agency’s financial reports include three basic financial statements: the Statement of Net Position, the Statement of Revenues, Expenses and Changes in Net Position and the Statements of Cash Flows.

The Statement of Net Position includes information about the Agency’s assets, liabilities, deferred outflows and inflows of resources, with the difference between the two reported as net position. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the Agency is improving or deteriorating.

The Statement of Revenues, Expenses and Changes in Net Position present the results of the Agency’s operations over the course of the fiscal year and information as to how the net position changed during the year. All of the fiscal year’s revenues and expenses are accounted for in this statement.

The Statement of Cash Flows provides information about the Agency’s cash receipts, cash payments, and net changes in cash resulting from operations, investing and financing activities. The statement shows what the sources and uses of cash were and what the change in the cash balance was during the fiscal year.

**Notes to the Basic Financial Statements:** The notes provide additional information that is essential to a full understanding of the data provided in the basic financial statements. The notes to the basic Financial Statements can be found on pages 15-36 of this report.

## Alameda County Waste Management Authority, Alameda County Source Reduction and Recycling Board and Energy Council

Table 1 - Statement of Net Position

June 30, 2019

<b>As of June 30,</b>	2019	2018	Change (\$)	Change (%)	2017	Change (\$)	Change (%)
<b>Assets</b>							
Cash and Cash Equivalents	48,756,908	40,896,276	7,860,632	19.2%	41,777,518	(881,242)	-2.1%
Other Current Assets	4,980,475	4,084,728	895,747	21.9%	4,478,451	(393,723)	-8.8%
Capital Assets	14,263,940	14,105,354	158,586	1.1%	14,240,814	(135,460)	-1.0%
Net OPEB Asset	373,968	515,799	(141,831)	-27.5%	364,797	151,002	100.0%
Loans Receivable, non-current	26,364	70,347	(43,983)	-62.5%	112,865	(42,518)	-37.7%
<b>Total Assets</b>	<b>68,401,655</b>	<b>59,672,504</b>	<b>8,729,151</b>	<b>14.6%</b>	<b>60,974,445</b>	<b>(1,301,941)</b>	<b>-2.1%</b>
Deferred OPEB Outflows	140,276	-	140,276	100.0%	-	-	-
Deferred Pension Outflows	3,774,487	6,882,232	(3,107,745)	-45.2%	2,618,901	4,263,331	162.8%
<b>Total Deferred outflows of resources</b>	<b>3,914,763</b>	<b>6,882,232</b>	<b>(2,967,469)</b>	<b>-43.1%</b>	<b>2,618,901</b>	<b>4,263,331</b>	<b>162.8%</b>
<b>Liabilities</b>							
Current Liabilities	7,086,149	6,015,940	1,070,209	17.8%	7,322,992	(1,307,052)	-17.8%
Net Pension Liability	1,822,849	6,256,106	(4,433,257)	-70.9%	5,260,783	995,323	18.9%
Accrued Vacation, non-current	10,518	23,724	(13,206)	-55.7%	69,942	(46,218)	-66.1%
<b>Total Liabilities</b>	<b>8,919,516</b>	<b>12,295,770</b>	<b>(3,376,254)</b>	<b>-27.5%</b>	<b>12,653,717</b>	<b>(357,947)</b>	<b>-2.8%</b>
Deferred Pension Inflows	2,435,395	662,466	1,772,929	267.6%	722,285	(59,819)	-8.3%
Deferred OPEB Inflows	-	74,281	(74,281)	100.0%	-	74,281	0.0%
<b>Total Deferred inflows of resources</b>	<b>2,435,395</b>	<b>736,747</b>	<b>1,698,648</b>	<b>230.6%</b>	<b>722,285</b>	<b>14,462</b>	<b>2.0%</b>
<b>Net Position</b>							
<b>Investment in Capital Assets</b>							
Investment in Capital Assets	14,263,940	14,105,354	158,586	-1.0%	14,240,814	(135,460)	-0.4%
<b>Total Investment in Capital Assets</b>	<b>14,263,940</b>	<b>14,105,354</b>	<b>158,586</b>	<b>1.1%</b>	<b>14,240,814</b>	<b>(135,460)</b>	<b>-1.0%</b>
<b>Unrestricted</b>							
Reserves-other	2,309,241	4,747,391	(2,438,150)	-51.4%	518,871	4,228,520	814.9%
Reserves	9,000,191	7,205,696	1,794,495	24.9%	11,418,045	(4,212,349)	-36.9%
Encumbrances	1,978,741	2,184,936	(206,195)	-9.4%	3,218,700	(1,033,765)	0.0%
Net Position Available Fund Balance (Core)	17,748,804	11,695,343	6,053,461	51.8%	10,552,823	1,142,520	10.8%
Net Position Available Fund Balance (HHW)	15,312,248	13,244,189	2,068,059	15.6%	10,292,306	2,951,883	28.7%
Net position Available Fund Balance Other	348,342	339,310	9,032	2.7%	(24,214)	363,525	-1501.3%
<b>Total Unrestricted</b>	<b>46,697,567</b>	<b>39,416,865</b>	<b>7,280,702</b>	<b>18.5%</b>	<b>35,976,530</b>	<b>3,440,334</b>	<b>9.6%</b>
<b>Total Net Position</b>	<b>60,961,507</b>	<b>53,522,219</b>	<b>7,439,288</b>	<b>13.9%</b>	<b>50,217,344</b>	<b>3,304,874</b>	<b>6.6%</b>

Cash and Cash Equivalents increased \$7.9 million (19.2%) in 2019 from 2018, this was primarily due to a one time revenue from California Range trust of \$1.8 million for the use of the Altamont Pass property, an increase in \$4.1 million in revenues, a \$1.3 million decrease payments to suppliers, and a \$3.7 million decrease payment to employees wages and benefits mainly to CalPERS to reduce the Authority's Unfunded Pension Liability in 2018. Current assets increased \$0.9 million (21.9%) reflecting the various fees, rental and grant activity. At June 30, 2019, there is one outstanding loan in the Revolving Loan Fund.

Current liabilities increased \$1 million (17.8%) in 2019 from 2018, this was primarily due to timing of HHW six months reimbursement to the county of \$2.5 million, Bayren first time rebate lump sum of \$677k, and payment of Measure D \$1.4 million to various Cities.

Deferred Pension Outflows, Net Pension Liability and Deferred Pension Inflows reflect the Agency's proportionate share of CalPERS' Miscellaneous Risk Pool Pension Liabilities and Assets as of the annual measurement date. These amounts are impacted largely by Investment performance, actuarial assumptions and gains or losses.

Cash and Cash Equivalents decreased \$0.9 million (-2.1%) in 2018 from 2017, this was primarily due to a \$4.1 million contribution to CalPERS in April 2018 to reduce the Authority's Unfunded Pension Liability largely offset by the increased cash balance in the Household Hazardous Waste Fund. Current assets decreased \$0.4 million (-8.8%) reflecting the grant activity performed on water conservation measures with Bay Area Water Agencies and the Agency as the administrative lead. At June 30, 2018, there is one outstanding loan in the Revolving Loan Fund.

Current liabilities decreased \$1.4 million (-17.8%) in 2018 from 2017, this was primarily attributed to the reduction on amounts due to Bay Area Water Agencies for pass through grant expenditures related to water conservation measures performed during the year funded by the State of California.

Deferred Pension Outflows, Net Pension Liability and Deferred Pension Inflows reflect the Agency's proportionate share of CalPERS' Miscellaneous Risk Pool Pension Liabilities and Assets as of the annual measurement date. These amounts are impacted largely by Investment performance, actuarial assumptions and gains or losses.

Alameda County Waste Management Authority, Alameda County Source Reduction and Recycling Board and Energy Council  
 Table 2 - Statement of Revenues, Expenses and Changes in Net Position  
 June 30, 2019

Period Ended June 30	2019	2018	Change (\$)	Change (%)	2017	Change (\$)	Change (%)
<b>Operating Revenues</b>							
In County Facility Fees	5,878,000	5,416,761	461,239	8.5%	5,056,006	360,756	7.1%
Measure D Municipality Allocation	5,570,885	5,164,136	406,749	7.9%	4,793,312	370,824	7.7%
Other Tonnage Fees	5,570,885	5,164,136	406,749	7.9%	4,793,311	370,825	7.7%
San Francisco Mitigation Fees	-	-	-	0.0%	-	-	-
Other Counties Mitigation Fees	1,096,353	564,434	531,919	94.2%	382,842	181,592	47.4%
Out of County Facility Fees	387,433	378,598	8,835	2.3%	476,915	(98,317)	-20.6%
Benchmark Fees	-	5,506	(5,506)	-100.0%	927,963	(922,457)	-99.4%
Household Hazardous Waste Fees and Grants	7,336,109	7,678,014	(341,905)	-4.5%	7,716,614	(38,600)	-0.5%
Other Fees and Revenue	2,707,829	715,113	1,992,716	278.7%	632,697	82,416	13.0%
	<u>28,547,494</u>	<u>25,086,699</u>	<u>3,460,795</u>	<u>13.8%</u>	<u>24,779,660</u>	<u>307,038</u>	<u>1.2%</u>
<b>Non-operating Revenues</b>							
Energy Council	8,397,907	7,592,965	804,942	10.6%	6,653,388	939,577	14.1%
Externally Funded	669,510	1,191,923	(522,413)	-43.8%	4,253,164	(3,061,240)	-72.0%
Interest Income	790,123	443,430	346,693	78.2%	264,958	178,471	67.4%
Other income	25,197	-	25,197	100.0%	-	-	-
	<u>9,882,737</u>	<u>9,228,318</u>	<u>654,419</u>	<u>7.1%</u>	<u>11,171,510</u>	<u>(1,943,192)</u>	<u>-17.4%</u>
<b>Total Revenues</b>	<u>38,430,231</u>	<u>34,315,017</u>	<u>4,115,214</u>	<u>12.0%</u>	<u>35,951,171</u>	<u>(1,636,154)</u>	<u>-4.6%</u>
<b>Operating Expenses</b>							
Salaries and Benefits	7,493,587	7,707,059	(213,472)	-2.8%	7,081,369	625,690	8.8%
Program Expenses	22,957,445	22,945,914	11,531	0.1%	26,172,889	(3,226,975)	-12.3%
Legal and Accounting	306,814	151,697	155,117	102.3%	148,330	3,366	2.3%
Board Expenses	51,555	51,450	105	0.2%	53,850	(2,400)	-4.5%
Depreciation Expense	181,542	154,022	27,520	17.9%	161,806	(7,784)	-4.8%
<b>Total Expenses</b>	<u>30,990,943</u>	<u>31,010,141</u>	<u>(19,198)</u>	<u>-0.1%</u>	<u>33,618,244</u>	<u>(2,608,102)</u>	<u>-7.8%</u>
Change in Net Position	7,439,288	3,304,875	4,134,413	125.1%	2,332,926	971,949	41.7%
Net Position - Beginning, as reported	53,522,219	50,217,344	3,304,875	6.6%	47,884,418	2,332,926	4.9%
Net Position - Ending	\$ 60,961,507	\$ 53,522,219	\$ 7,439,288	13.9%	\$ 50,217,344	\$ 3,304,875	6.6%

Total revenues increased \$4.1 million (12%) in 2019 from 2018, this was primarily due to a one time revenue of \$1.8 million from the California Rangeland Trust for the use of the Altamont Pass property. One time tonnage increase of 410,119 tons in Facilities and 162,221 tons from Altamont Landfill more than originally projected. Energy Council's revenues increased \$0.8 million representing a higher number of projects. Interest income increased \$0.3 million in 2019 from 2018 due to higher market interest rates earned on short-term investments.

Total expenses decreased \$0.2 million (-.1%) in 2019 from 2018, this was primarily due to reduction of \$0.2 million salaries and benefits due to vacant positions and an increase of legal fees of \$0.2 million.

Total revenues decreased \$1.6 million (-4.5%) in 2018 from 2017, this was primarily due to a decrease in an Externally funded project of \$2.9 million from a multiyear grant for water conservation measures with Bay Area Water Agencies and the Authority as the administrative lead which was wrapping up in the current year. Benchmark fees were eliminated in 2017. In County Landfill Fees increased \$0.4 million due to approximately 83,200 more tons for reporting Facilities received in 2018. Fees for disposed materials imported from other counties increased due to 23,400 more tons received in 2018; primarily at the Altamont Landfill. Out of County Facility Fees for tonnages taken out of the County of Alameda decreased \$0.1 million as 2017 included two substantial settlements with facilities and haulers which self-report and remit to the Authority. Energy Council's revenues increased \$1.0 million representing a higher number of projects. Interest income increased \$0.2 million in 2018 from 2017 due to higher market interest rates earned on short-term investments.

Total expenses decreased \$2.6 million (-7.8%) in 2018 from 2017, this was primarily due to reduction of \$2.15 million of pass through grant expenditures to Bay Area Water Agencies for water conservation measures funded by the State of California. Salaries and benefits increased due primarily to additional grant funded positions, conversion of a consultant position to a regular employee and vacation payouts to employees who retired during the fiscal year.

**Request for information**

The Agency's financial statements are designed to provide a general overview its finances and to show accountability of the resources it receives and expends. If you have questions about this report, or need additional information, contact the Administrative Services Director or Financial Services Manager at the StopWaste office, located at 1537 Webster Street, Oakland CA 94612.

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## **BASIC FINANCIAL STATEMENTS**

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**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Statement of Net Position  
June 30, 2019 and 2018**

	2019	2018
<b>ASSETS</b>		
<b>Current assets:</b>		
Cash and cash equivalents (Note 2)	\$ 48,756,908	\$ 40,896,276
Receivables:		
Accounts receivable	2,441,131	2,414,327
Interest receivable	252,944	125,005
Grants receivable	2,129,066	1,498,185
Prepaid expenses	113,338	4,641
Loans receivable (Note 3)	43,996	42,570
<b>Total current assets</b>	<b>53,737,383</b>	<b>44,981,004</b>
<b>Noncurrent assets:</b>		
Capital Assets - net of accumulated depreciation (Note 4)	14,263,940	14,105,354
Loans receivable (Note 3)	26,364	70,347
Net OPEB asset (Note 8)	373,968	515,799
<b>Total noncurrent assets</b>	<b>14,664,272</b>	<b>14,691,500</b>
<b>Total assets</b>	<b>68,401,655</b>	<b>59,672,504</b>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>		
Related to OPEB (Note 8)	140,276	-
Related to pension (Note 7)	3,774,487	6,882,232
<b>Total deferred outflows of resources</b>	<b>3,914,763</b>	<b>6,882,232</b>
<b>LIABILITIES</b>		
<b>Current liabilities:</b>		
Accounts payable	\$ 3,795,753	\$ 3,318,288
Accrued expenses	276,192	317,309
Accrued vacation (Note 6)	261,584	297,341
Due to other governmental agencies (Note 5)	1,720,386	1,857,275
Unearned revenue	1,032,234	225,727
<b>Total current liabilities</b>	<b>7,086,149</b>	<b>6,015,940</b>
<b>Noncurrent Liabilities:</b>		
Net pension liability (Note 7)	1,822,849	6,256,106
Accrued vacation (Note 6)	10,518	23,724
<b>Total noncurrent liabilities</b>	<b>1,833,367</b>	<b>6,279,830</b>
<b>Total liabilities</b>	<b>8,919,516</b>	<b>12,295,770</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>		
Related to OPEB (Note 8)	-	74,281
Related to Pension (Note 7)	2,435,395	662,466
<b>Total deferred inflows of resources</b>	<b>2,435,395</b>	<b>736,747</b>
<b>NET POSITION</b>		
Net investment in capital assets	14,263,940	14,105,354
Unrestricted	46,697,567	39,416,865
<b>Total net position</b>	<b>\$ 60,961,507</b>	<b>\$ 53,522,219</b>

See accompanying notes to financial statements

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Statements of Revenues, Expenses and Changes in Net Position  
For the Years Ended June 30, 2019 and 2018**

	2019	2018
<b>OPERATING REVENUES</b>		
Disposal and waste import mitigation fees	\$ 20,375,604	\$ 16,688,066
Household hazardous waste fees	7,336,109	7,678,014
Benchmark fees	-	5,506
Other	835,781	715,113
<b>Total operating revenues</b>	<b>28,547,494</b>	<b>25,086,699</b>
<b>OPERATING EXPENSES</b>		
Salaries and benefits	7,493,587	7,725,622
Program expenses	22,957,445	22,927,351
Legal and accounting	306,814	151,697
Board expenses	51,555	51,450
Depreciation (Note 4)	181,542	154,022
<b>Total operating expenses</b>	<b>30,990,943</b>	<b>31,010,142</b>
<b>Operating income (loss)</b>	<b>(2,443,449)</b>	<b>(5,923,443)</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>		
Grants	9,067,417	8,784,888
Interest income	790,123	443,430
Other income	25,197	-
<b>Total nonoperating revenues (expenses), net</b>	<b>9,882,737</b>	<b>9,228,318</b>
<b>CHANGES IN NET POSITION</b>	<b>7,439,288</b>	<b>3,304,875</b>
<b>NET POSITION:</b>		
Beginning of year	53,522,219	50,217,344
End of year	<b>\$ 60,961,507</b>	<b>\$ 53,522,219</b>

See accompanying notes to financial statements



**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Statements of Cash Flows  
For the Years Ended June 30, 2019 and 2018**

	2019	2018
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>		
Cash received from customers and users	\$ 29,369,754	\$ 25,345,035
Cash payments to suppliers	(22,725,566)	(24,192,902)
Cash payments to employees for wages and benefits	(7,567,345)	(11,342,266)
<b>Net cash provided (used) by operating activities</b>	<b>(923,157)</b>	<b>(10,190,133)</b>
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:</b>		
Grants	8,436,535	8,926,437
<b>Net cash provided by noncapital financing activities</b>	<b>8,436,535</b>	<b>8,926,437</b>
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:</b>		
Acquisition of capital assets	(340,127)	(18,563)
<b>Net cash provided (used) by capital and related financing activities</b>	<b>(340,127)</b>	<b>(18,563)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>		
Interest income	687,381	401,017
<b>Net cash provided by investing activities</b>	<b>687,381</b>	<b>401,017</b>
<b>Net change in cash and cash equivalents</b>	<b>7,860,632</b>	<b>(881,242)</b>
<b>CASH AND CASH EQUIVALENTS:</b>		
Beginning of year	40,896,276	41,777,518
End of year	\$ 48,756,908	\$ 40,896,276
<b>RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH AND CASH EQUIVALENTS PROVIDED BY OPERATING ACTIVITIES</b>		
Operating income (loss)	\$ (2,443,449)	\$ (5,923,443)
Adjustments to reconcile operating income (loss) to net cash provided by Operating activities:		
Depreciation	181,542	154,022
(Increase) decrease in assets :		
Accounts receivable	(26,804)	281,761
Loans receivable	42,557	41,160
Prepaid expenses	(108,697)	14,185
OPEB asset	141,831	(151,002)
Increase (decrease) in liabilities:		
Accounts payable	477,465	(1,855,474)
Accrued expenses	(41,117)	(2,076)
Amount due to other governments	(136,889)	594,301
Unearned revenue	806,507	(64,585)
Accrued vacation	(48,963)	(25,436)
Net pension liabilities, deferred inflows and deferred outflows	232,860	(3,253,546)
<b>Net cash provided by operating activities</b>	<b>(923,157)</b>	<b>(10,190,133)</b>

See accompanying notes to financial statements

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**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
**Notes to Basic Financial Statements**  
**For the years ended June 30, 2019 and 2018**

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**1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

**A. Reporting Entity**

Alameda County Waste Management Authority, Alameda County Source Reduction and Recycling Board and Energy Council are three separate legal entities:

The Alameda County Waste Management Authority (Agency) is a public agency formed in 1976 by a Joint Exercise of Powers Agreement among the County of Alameda, each of the fourteen cities within the county, and two sanitary Districts that provide refuse and recycling collection services. The Agency has a seventeen-member board composed of elected officials appointed by each member agency.

The Agency is responsible for preparation of the Alameda County Integrated Waste Management Plan and Alameda County Hazardous Waste Management Plan. It manages a long-range program for development of solid waste facilities and offers a wide variety of other programs in the areas of source reduction and recycling, market development, technical assistance and public education. Funding is provided by per ton disposal and waste import mitigation fees.

The Alameda County Source Reduction and Recycling Board (Recycling Board) was created in 1990 by the voters of Alameda County through a ballot initiative, "Measure D". The eleven member board includes six citizen experts appointed by the Alameda County Board of Supervisors and five elected officials from the Alameda County Waste Management Authority.

The Recycling Board is responsible for programs that promote source reduction, residential and commercial recycling, recycled product procurement and market development. Program funding is provided from a per ton disposal surcharge at the Altamont and Vasco Road landfills.

The Energy Council was formed in Spring 2013 as a Joint Powers Agency to seek funding on behalf of its member agencies to develop and implement programs and policies that reduce energy demand, increase energy efficiency, advance the use of clean, efficient and renewable resources, and help create climate resilient communities. The Energy Council will assist its members in strengthening staff capacity, providing technical expertise, and securing funds to implement local sustainable energy strategies. To date, fifteen members serve on the Board. Funding for projects comes from external sources, mainly grants.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018**

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**1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, CONTINUED**

***B. Basis of Accounting and Measurement Focus***

The Agency's Basic Financial Statements are prepared in conformity with accounting principles generally accepted in the United States of America. The Government Accounting Standards Board is the acknowledged standard setting body for establishing accounting and financial reporting standards followed by governmental entities in the United States of America.

The Agency accounts for its activities as a proprietary fund. The financial statements are accounted for on a flow of economic resources measurement focus, using the accrual basis of accounting. Under this method all assets, deferred outflows and inflows of resources, and liabilities associated with operations are included on the balance sheet, revenues are recorded as earned and expenses are recorded at the time liabilities are incurred. Grants and similar items are recognized as revenue as soon as all eligibility requirements are met. The accounting for fiduciary funds is much like that used for proprietary funds.

The Agency distinguishes operating revenues and expenses from non-operating items. Operating revenues include revenues generated from the primary operations of the fund; operating expenses include all expenses essential to the primary operations of the fund. Nonoperating revenue and expenses include revenue and expenses not associated with the Agency's normal business of waste management. Non-operating revenues and expenses include interest income and expense, gain and loss on disposition of property and equipment, grants, and other peripheral activities. Although capital contributions, as well as special and extraordinary items when there are any, are shown separately, technically they are subcategories of non-operating revenues and expenses.

***C. Compensated Absences***

Vested or accumulated vacation leave that is expected to be liquidated with expendable available financial resources is reported as an expense and a liability. Generally, earned vacation may be accumulated up to a maximum of 400 hours by all personnel. Agency employees do not receive compensation for accumulated sick leave unless they retire, in which case they have the option of cashing out half of their sick leave or converting sick leave to service credit. To date all but one eligible employees have chosen the latter option. Accordingly, no sick leave has been accrued.

***D. Cash and Cash Equivalents***

For purposes of the statement of cash flows, the Agency considers all highly liquid investments purchased with an original maturity to three months or less to be cash equivalents, including the Agency investment in the State of California Local Agency Investment Fund (LAIF) and the Alameda County investment pool.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, CONTINUED**

*E. Fair Value Measurements*

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Agency categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The fair value hierarchy categorizes the inputs to valuation techniques used to measure fair value into three levels based on the extent to which inputs used in measuring fair value are observable in the market.

- Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2 inputs are inputs – other than quoted prices included within level 1 – that are observable for an asset or liability, either directly or indirectly.
- Level 3 inputs are unobservable inputs for an asset or liability.

If the fair value of an asset or liability is measured using inputs from more than one level of the fair value hierarchy, the measurement is considered to be based on the lowest priority level input that is significant to the entire measurement.

*F. Net Position*

In the statements of net position, net position are classified in the following categories:

Net Investment in Capital Assets – This amount consists of capital assets net of accumulated depreciation and reduced by outstanding debt that is attributed to the acquisition, construction, or improvement of the capital assets.

Restricted Net Position – This amount is restricted by external creditors, grantors, contributors, laws or regulations of other governments.

Unrestricted Net Position – This amount is all net position that do not meet the definition of “net investment in capital assets” or “restricted net position.”

*G. Use of Estimates*

The preparation of financial statements, in conformity with accounting principles generally accepted in the United States of America, requires management, at the date of the financial statements, to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets, deferred inflows and outflows of resources, and liabilities as well as the reported amounts of revenues and expenditures during the reporting period. Actual results could differ from those estimates.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, CONTINUED**

*H. Pension*

For purposes of measuring the net pension liability and deferred outflows/inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Agency’s California Public Employees’ Retirement System (CalPERS) plan (Plan) and additions to/deductions from the Plan’s fiduciary net position has been determined on the same basis as it is reported by CalPERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

*I. Deferred Outflows/Inflows of Resources*

In addition to assets, the statement of net position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period(s) and will not be recognized as an outflow of resources (expense/expenditure) until then.

In addition to liabilities, the statement of net position will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to a future period(s) and will not be recognized as an inflow of resources (revenue) until that time.

*J. Other Postemployment Benefits (OPEB)*

For purposes of measuring the net OPEB liability, deferred outflows of resources and deferred inflows of resources related to OPEB, and OPEB expense, information about the fiduciary net position of the Agency’s plan (OPEB Plan) and additions to/deductions from the OPEB Plan’s fiduciary net position have been determined on the same basis. For this purpose, benefit payments are recognized when currently due and payable in accordance with the benefit terms. Investments are reported at fair value. Generally accepted accounting principles require that the reported results must pertain to liability and asset information within certain defined timeframes. For this report, the following timeframes are used:

Valuation Date	June 30, 2019
Measurement Date	June 30, 2019
Measurement Period	July 1, 2018 to June 30, 2019

*K. New Pronouncements*

In 2019, the Agency adopted new accounting standards in order to conform to the following Governmental Accounting Standards Board Statements:

- GASB Statement No. 83, *Certain Asset Retirement Obligations* - The objective of this Statement is to provide financial statement users with information about asset retirement obligations<sup>1</sup> (AROs) that were not addressed in GASB standards by establishing uniform accounting and financial reporting requirements for these obligations. The requirements of this statement did not apply to the Agency for the current fiscal year.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES, CONTINUED**

**K. New Pronouncements, Continued**

- GASB Statement No. 88, *Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placements*– The objective of this Statement is to improve consistency in the information that is disclosed in notes to government financial statements related to debt, including direct borrowings and direct placements, and to provide financial statement users with additional essential information about debt. The requirements of this statement did not apply to the Agency for the current fiscal year.

**2. CASH AND INVESTMENTS**

The Agency maintains cash and investments as summarized below:

	2019	2018
Cash on hand and in banks	\$ 1,285,785	\$ 219,995
Investment Pool	47,471,123	40,676,281
<b>Total</b>	<b>\$ 48,756,908</b>	<b>\$ 40,896,276</b>

**A. Deposits**

The carrying amount of the Agency's deposits as of June 30, 2019 and 2018 was 1,285,785 and \$219,995 respectively. The bank balance of deposits as of June 30, 2019 and 2018 was \$2,542,399 and \$997,529, of which \$250,000 was covered by federal depository insurance. The difference between the carrying amount and the bank balance is primarily due to checks outstanding at June 30, 2019 and 2018. The Agency has waived the collateral requirements for cash deposits, which are fully insured up to \$250,000 by the Federal Deposit Insurance Corporation. The remaining was collateralized with securities held by the pledging financial institutions in the Agency's name.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**2. CASH AND INVESTMENTS, CONTINUED**

**B. Custodial Credit Risk**

Custodial credit risk for deposits is the risk that, in the event of the failure of a depository financial institution, a depositor will not be able to recover its deposits or will not be able to recover collateral securities that are in the possession of an outside party. The custodial credit risk for investments is the risk that, in the event of the failure of the counter-party (e.g., broker-dealer) to a transaction, a depositor will not be able to recover the value of its investment or collateral securities that are in the possession of another party.

The California Government Code and the Agency's investment policy do not contain legal or policy requirements that would limit the exposure to custodial credit risk for deposits, other than the following provisions for deposits: The California Government Code requires that a financial institution secure deposits made by state or local governments units by pledging securities in an undivided collateral pool held by a depository regulated under state law. The market value of the pledged securities in the collateral pool must equal at least 110% of the total amount deposited by the public agencies.

**C. Investment**

The Agency pools its cash and investments for investment purposes. Certain cash and investments are segregated for specific purposes.

Under the provisions of the Agency's investment policy, and in accordance with California Government Code, the following investments are authorized:

Authorized Investment Type	Maximum Maturity	Minimum Credit Quality	Maximum Percentage of Portfolio
Alameda County Investment Pool	N/A	N/A	No limit
Local Agency Investment Fund (LAIF)	N/A	N/A	No limit

Investments are stated at fair value. Included in investment income (loss) on the accompanying statement of activities and changes in net position is the net change in the fair value of investments, which consists of realized gains or losses and the unrealized appreciation (depreciation) of those investments.

Measurement of the fair value of investments is based upon quoted market prices, if available. The estimated fair value of investments that have no quoted market price is determined based on equivalent yields for such securities or on securities of comparable maturity, quality, and type as obtained from market makers.



**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**2. CASH AND INVESTMENTS, CONTINUED**

***D. Interest Rate Risk***

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Generally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. The Agency's investment policy follows the Code as it relates to limits on investment maturities as a means of managing exposure to fair value losses arising from increasing interest rates.

Information about the sensitivity of the fair values of the Agency's investments (including investments held by bond trustee) to market interest rate fluctuations is provided by the following table that shows the distribution of the Agency's investments by maturity as of June 30, 2019 and 2018:

Investment Type	Remaining Maturity (in Months) at June 30, 2019		Remaining Maturity (in Months) at June 30, 2018	
	Fair Value	12 Months	Fair Value	12 Months
		Or Less		Or Less
Local Agency Investment Fund(LAIF)	\$ 14,745,087	\$ 14,745,087	\$ 5,501,933	\$ 5,501,933
Alameda County Investment Pool	32,726,036	32,726,036	35,174,348	35,174,348
<b>Total</b>	<b>\$ 47,471,123</b>	<b>\$ 47,471,123</b>	<b>\$ 40,676,281</b>	<b>\$ 40,676,281</b>

***E. Credit Risk***

This is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. It is measured by the assignment of a rating by a nationally recognized credit rating organization. The State and County investment pools are not rated.

***F. Concentration of Credit Risk***

The California Government Code limits the amount the Agency may invest in any one issuer, with the exception of U.S. Treasury obligations, U.S. Agency securities and LAIF. The Agency has no investments in any one issuer (other than external investment pools) that represent 5% or more of total Agency' investments.

***G. Investment Valuation***

Investments are measured at fair value on a recurring basis. Recurring fair value measurements, are those that Governmental Accounting Standards Board (GASB) Statements require or permit in the statement of net position at the end of each reporting period. Fair value measurements are categorized based on the valuation inputs used to measure an asset's fair value: Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs.

As of June 30, 2019 and 2018, there were no investments that were subject to fair value valuation.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**3. LOANS RECEIVABLE**

The Agency has loaned funds to businesses in order to improve their recycling and waste management programs. The Revolving Loan Fund was designed to encourage businesses to reduce the amount of waste going to Alameda County landfills by providing low interest loans for source reduction, recycling, composting, processing or recycled market development efforts. Loan funds were available to existing and startup businesses with projects that reduce waste disposed in Alameda County landfills. To be eligible, businesses must be located in Alameda or an adjacent county or be relocating to Alameda County. Loans were available from \$10,000 to \$300,000 with interest rates ranging from Wall Street Journal (WSJ) prime to prime plus 6%. Loan terms do not exceed 5 years. As of June 30, 2019 and 2018, outstanding loans totaled \$70,360 and \$112,917, respectively. The scheduled maturity date of the remaining outstanding loan is January 2021. This Program sunsetted at the end of FY 16/17.

**4. CAPITAL ASSETS**

Capital assets are stated at cost less accumulated depreciation, which is provided on the straight-line basis over the estimated useful lives of the respective assets. The estimated useful lives of the assets and capitalization thresholds are listed below:

Asset Type	Asset Life	Capitalization Thresholds
Building and improvement	25 to 50 years	\$5,000
Vehicles, furniture and equipment	5 to 10 years	\$5,000

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018**

**4. CAPITAL ASSETS, CONTINUED**

The Agency's capital assets at June 30, 2019 consist of:

	Balance June 30, 2017	2018		Balance June 30, 2018	2019		Balance June 30, 2019
		Additions	Reductions		Additions	Reductions	
Capital assets not being depreciated,							
Land	\$ 9,230,922	\$ -	\$ -	\$ 9,230,922	\$ -	\$ -	\$ 9,230,922
Total	9,230,922	-	-	9,230,922	-	-	9,230,922
Capital assets being depreciated:							
Buildings and improvements	6,278,660	-	-	6,278,660	157,776	-	6,436,436
Furniture and equipment	301,693	18,563	-	320,256	182,351	(143,060)	359,546
<b>Total assets being depreciated</b>	6,580,353	18,563	-	6,598,916	340,127	(143,060)	6,795,982
<b>Total capital assets</b>	15,811,275	18,563	-	15,829,838	340,127	(143,060)	16,026,904
Less accumulated depreciation for:							
Buildings and improvements	(1,366,228)	(132,060)	-	(1,498,288)	(137,233)	-	(1,635,521)
Furniture and equipment	(204,233)	(21,963)	-	(226,196)	(44,308)	143,060	(127,444)
<b>Total accumulated depreciation</b>	(1,570,461)	(154,023)	-	(1,724,484)	(181,541)	143,060	(1,762,965)
<b>Total capital assets being depreciated, net</b>	5,009,892	(135,460)	-	4,874,432	158,586	-	5,033,018
<b>Total capital assets, net</b>	\$ 14,240,814	\$ (135,460)	\$ -	\$ 14,105,354	\$ 158,586	\$ -	\$ 14,263,940

**5. DUE TO OTHER GOVERNMENTAL AGENCIES**

The Agency provides direct funding to member agencies through the mandated allocation of funds to municipalities. Measure D requires the Agency to disburse 50% of Measure D fees on a per capita basis to municipalities for the continuation and expansion of municipal recycling programs. On June 30, 2019 and 2018, \$1,720,386 and \$1,857,275, respectively, represented the last quarter of Measure D fees that had not yet been remitted.

**6. LONG-TERM LIABILITIES**

A summary of long-term liability activities for the year ended June 30, 2019 is as follows:

	Balance June 30, 2017	2018		Balance June 30, 2018	2019		Ending June 30, 2019	Due within One year
		Additions	Reductions		Additions	Reductions		
Accrued vacation	\$ 346,501	\$ 254,517	\$ (279,953)	\$ 321,065	\$ 398,449	\$ (447,412)	\$ 272,102	\$ 261,584

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**7. EMPLOYEE RETIREMENT PLANS**

**A. Plan Descriptions**

All qualified permanent, limited term and probationary employees are eligible to participate in the Public Agency Cost-Sharing Multiple-Employer Defined Benefit Pension Plan (Plan) administered by the California Public Employees' Retirement System (CalPERS). The Plan consists of individual rate plans (benefit tiers) within a risk pool. Plan assets may be used to pay benefits for any employer rate plan of the pool. Accordingly, rate plans within the pool are not separate plans under GASB Statement No. 68. Individual employers may sponsor more than one rate plan in the risk pool. The Agency sponsors two rate plans (miscellaneous classic and miscellaneous PEPRAs). Benefit provisions under the Plan are established by State statute and Agency resolution. CalPERS issues publicly available reports that include a full description of the pension plan regarding benefit provisions, assumptions and membership information that can be found on the CalPERS website.

**B. Benefits Provided**

CalPERS provides service retirement and disability benefits, annual cost of living adjustments and death benefits to plan members, who must be public employees and beneficiaries. Benefits are based on years of credited service, equal to one year of full time employment. Members with five years of total service are eligible to retire at age 50 with statutorily reduced benefits. All members are eligible for non-duty disability benefits after 10 years of service. The death benefit is one of the following: the Basic Death Benefit, the 1957 Survivor Benefit, or the Optional Settlement 2W Death Benefit. The cost of living adjustments for each plan are applied as specified by the Public Employees' Retirement Law.

The rate plans' provisions and benefits in effect at June 30, 2019 and 2018 are summarized as follows:

Hire Date	Miscellaneous - Classic	Miscellaneous - PEPRAs
	Prior to January 1, 2013	On or after January 1, 2013
Benefit vesting schedule	5 years service	5 years service
Benefit payment	Monthly for life	Monthly for life
Retirement age	55	62
Monthly benefits, as a % of annual salary	2.50%	2.00%
Required employee contribution rates	8.00%	6.25%
Required employer contribution rates (2018)	10.11%	6.53%
Required unfunded liability payment (2018)	\$ 238,186	\$ 1,430
Required employer contribution rates (2019)	10.61%	6.84%
Required unfunded liability payment (2019)	\$ 323,887	\$ 1,399

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**7. EMPLOYEE RETIREMENT PLANS, CONTINUED**

*C. Contributions*

Section 20814(c) of the California Public Employees’ Retirement Law requires that the employer contribution rates for all public employers be determined on an annual basis by the actuary and are effective on the July 1 following notice of a change in the rate. Funding contributions for the Plan are determined annually on an actuarial basis as of June 30 by CalPERS. The actuarially determined rate is the estimated amount necessary to finance the costs of benefits earned by employees during the year, with an additional amount to finance any unfunded accrued liability. The Agency is required to contribute the difference between the actuarially determined rate and the contribution rate of employees.

The Agency’s contributions to the Plan for the measurement periods ended June 30, 2018 and 2017 were \$493,620 and \$4,797,958, respectively.

*D. Pension Liabilities, Pension Expenses, and Deferred Outflows/Inflows of Resources Related to Pensions*

As of June 30, 2019, and 2018, the Agency reported a net pension liability for its proportionate share of the net pension liability of the Plan of \$1,822,849 and \$6,256,106, respectively.

The Agency’s net pension liability for the Plans is measured as the proportionate share of the total net pension liability of the Plan. The net pension liability of the Plan for the fiscal year 2019 is measured as of June 30, 2018, and the total pension liability for the Plan used to calculate the net pension liability was determined by actuarial valuations as of June 30, 2017 rolled forward to June 30, 2018 using standard update procedures. The net pension liability of the Plan for the fiscal year 2018 is measured as of June 30, 2017, and the total pension liability for the Plan used to calculate the net pension liability was determined by actuarial valuations as of June 30, 2016 rolled forward to June 30, 2017 using standard update procedures. The Agency’s proportionate share of the net pension liability was based on the Agency’s plan liability and asset-related information where available, and proportional allocations of plan amounts as of the valuation date where not available.

The Agency’s proportionate share of the net pension liability for the plan as of measurement dates June 30, 2016, 2017, and 2018 was as follows:

Proportion - June 30, 2016	0.151438%	Proportion - June 30, 2017	0.063080%
Proportion - June 30, 2017	<u>0.063080%</u>	Proportion - June 30, 2018	<u>0.018920%</u>
Change - Increase (Decrease)	-0.088358%	Change - Increase (Decrease)	<u>-0.044160%</u>

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**7. EMPLOYEE RETIREMENT PLANS, CONTINUED**

**D. Pension Liabilities, Pension Expenses, and Deferred Outflows/Inflows of Resources Related to Pensions, Continued**

For the year ended June 30, 2019 and 2018, the Agency recognized pension expense of \$941,037 and \$1,470,131, respectively. At June 30, 2019 and 2018, the Agency reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	2019		2018	
	Deferred Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources	Deferred Inflows of Resources
Pension contributions subsequent to measurement date	\$ 493,620	\$ -	\$ 4,797,958	\$ -
Changes in employer's proportion	130,613	2,269,937	434,204	303,777
Differences between the employer's contribution and the employer's proportionate share of contributions	2,863,493	90,728	249,570	141,132
Changes of assumptions	207,810	50,930	1,134,768	86,527
Differences between expected and actual experiences	69,939	23,800	9,094	131,030
Net differences between projected and actual earnings on plan investments	9,012	-	256,638	-
<b>Total</b>	<b>\$ 3,774,487</b>	<b>\$ 2,435,395</b>	<b>\$ 6,882,232</b>	<b>\$ 662,466</b>

\$493,620 and \$4,797,958 reported as deferred outflows of resources related to contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ending June 30, 2020 and 2019, respectively. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized as pension expense as follows:

Year	Ending June 30:	
	2019	2018
2019	-	500,625
2020	396,243	658,144
2021	342,887	415,461
2022	122,789	(152,422)
2022	(16,447)	

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018**

**7. EMPLOYEE RETIREMENT PLANS, CONTINUED**

**E. Actuarial Assumptions**

The total pension liabilities in the June 30, 2017 and 2016 actuarial valuations were determined using the following actuarial assumptions:

	2019	2018
Valuation Date	June 30, 2017	June 30, 2016
Measurement Date	June 30, 2018	June 30, 2017
Actuarial Cost Method	Entry-Age Normal Cost Method	Entry-Age Normal Cost Method
Actuarial Assumptions:		
Discount Rate	7.15%	7.15%
Inflation	2.50%	2.75%
Projected Salary Increase	Varies by entry age and service	Varies by entry age and service
Investment Rate of Return <sup>(1)</sup>	7.15%	7.15%
Mortality	Derived by CalPERS membership data for all funds	Derived by CalPERS membership data for all funds

(1) Net of pension plan investment expenses, including inflation

The underlying mortality assumptions and all other actuarial assumptions used in the June 30, 2017 and 2016 valuations were based on the results of a January 2014 actuarial experience study for the period 1997 to 2011. Further details of the Experience Study can found on the CalPERS website.

**F. Discount Rate**

The discount rate used to measure the total pension liability was 7.15% and 7.15% for the Plan for the measurement period ended June 30, 2018 and 2017 respectively. The rate includes investment expenses and inflation. To determine whether the municipal bond rate should be used in the calculation of a discount rate for each plan, CalPERS stress tested plans that would most likely result in a discount rate that would be different from the actuarially assumed discount rate. Based on the testing, none of the tested plans run out of assets. Therefore, the current 7.15 percent and 7.15 percent discount rate are adequate and the use of the municipal bond rate calculation is not necessary. The long term expected discount rate of 7.15 percent and 7.15 percent will be applied to all plans in the Public Employees Retirement Fund (PERF). The stress test results are presented in a detailed report that can be obtained from the CalPERS website.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**7. EMPLOYEE RETIREMENT PLANS, CONTINUED**

*F. Discount Rate, Continued*

In determining the long-term expected rate of return, CalPERS took into account both short-term and long-term market return expectations as well as the expected pension fund cash flows. Using historical returns of all the funds' asset classes, expected compound returns were calculated over the short-term (first 10 years) and the long-term (11-60 years) using a building-block approach. Using the expected nominal returns for both short-term and long-term, the present value of benefits was calculated for each fund. The expected rate of return was set by calculating the single equivalent expected return that arrived at the same present value of benefits for cash flows as the one calculated using both short-term and long-term returns. The expected rate of return was then set equivalent to the single equivalent rate calculated above.

The table following reflects the long-term expected real rate of return by asset class. The rate of return was calculated using the capital market assumptions applied to determine the discount rate and asset allocation. These rates of return are net of administrative expenses.

Asset Class	2019			2018		
	New	Real	Real	New	Real	Real
	Strategic	Return Years	Return Years	Strategic	Return Years	Return Years
	Allocation	1 - 10(a)	11+(b)	Allocation	1 - 10(a)	11+(b)
Global Equity	50.00%	4.80%	5.98%	47.00%	4.90%	5.38%
Global Fixed						
Income	28.00%	1.00%	2.62%	19.00%	0.80%	2.27%
Inflation Sensitive	0.00%	0.77%	1.81%	6.00%	0.60%	1.39%
Private Equity	8.00%	6.30%	7.23%	12.00%	6.60%	6.63%
Real Estate	13.00%	3.75%	4.93%	11.00%	2.80%	5.21%
Infrastructure and						
Forestland	0.00%	0.00%	0.00%	3.00%	3.90%	5.36%
Liquidity	1.00%	0.00%	-0.92%	2.00%	-0.40%	-0.90%
Total	100%			100%		

(a) An expected inflation of 2.0% used for 2019 and 2.5% used for 2018

(b) An expected inflation of 2.92% used for 2019 and 3.0% used for 2018



**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**7. EMPLOYEE RETIREMENT PLANS, CONTINUED**

*G. Sensitivity of the Proportionate Share of the Net Pension Liability to Changes in the Discount Rate*

The following presents the Agency's proportionate share of the net pension liability for the Plan, calculated using the discount rate for the Plan, as well as what the Agency's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage point lower or 1-percentage point higher than the current rate:

	2019	2018
1% Decrease	6.15%	6.15%
Net Pension Liability	\$ 5,782,556	\$ 9,996,624
Current Discount Rate	7.15%	7.15%
Net Pension Liability	\$ 1,822,849	\$ 6,256,106
1% Increase	8.15%	8.15%
Net Pension Liability	\$ (1,445,825)	\$ 3,158,141

*H. Pension Plan Fiduciary Net Position*

Detailed information about each pension plan's fiduciary net position is available in the separately issued CalPERS financial reports.

*I. Payable to the Pension Plan*

At June 30, 2019 and 2018 the Agency reported a payable of \$0 for outstanding amount of required contributions to the pension plan required.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**8. OTHER POSTEMPLOYMENT BENEFITS PLAN**

*A. Plan Description*

The Agency participates in the CALPERS sponsored health care plan, an agent multiple-employer defined benefit plan, for its employees and long service retirees and/or their dependents. In addition, the Agency sponsors and administers dental and vision coverage for its employees and/or their dependents.

The Agency provides post-retirement health care defined benefits to eligible retirees. Prior to January 1, 2007, eligible employees retiring at or after age 50 with a minimum of 5 years of service credit, may opt to continue health care coverage, including spouse and dependents, with a monthly premium paid by the Agency. Vesting requirements have been implemented for employees hired after January 1, 2007.

The Agency has elected to set up a trust fund with the California Employers' Retiree Benefit Trust (CERBT) to fund their plan. The Agency does not have a stand-alone financial statement to their plan. Financial activity of the plan will be included as part of the CERBT's financial statements available through their executive office.

*B. Employees Covered*

As of the June 30, 2019 actuarial valuation, the following current and former employees were covered by the benefit terms under the OPEB Plan:

Active employees	39
Inactive employees or beneficiaries currently receiving benefits	21
Inactive employees entitled to, but not yet receiving benefits	-
	<u>60</u>

*C. Contributions*

The OPEB Plan and its contribution requirements are established by and may be amended by the Agency. The annual contribution is based on the actuarially determined contribution. For the fiscal year ended June 30, 2019 and June 30, 2018, the Agency's contributions were \$238,948 and \$203,221.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018**

**8. OTHER POSTEMPLOYMENT BENEFITS PLAN, CONTINUED**

***D. Net OPEB Liability***

The Agency's net OPEB liability was measured as of June 30, 2019 and 2018 and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation dated June 30, 2019 to determine the June 30, 2019 total OPEB liability, and by an actuarial valuation dated June 30, 2017 that was rolled forward to determine the June 30, 2018 total OPEB liability, based on the following actuarial methods and assumptions:

Actuarial Assumption	2019	2018
Discount Rate	7.00%	7.00%
General Inflation	2.75% per annum	2.75% per annum
Salary Increases	2.75% per year	2.75% per year
Investment Rate of Return	7.00%	7.00%
Mortality Rate	The mortality assumptions are based on the 2014 CalPERS Active Mortality for Miscellaneous Employees table created by CalPERS. CalPERS periodically studies mortality for participating agencies and establishes mortality tables that are modified versions of commonly used tables.	The mortality assumptions are based on the 2014 CalPERS Active Mortality for Miscellaneous Employees table created by CalPERS. CalPERS periodically studies mortality for participating agencies and establishes mortality tables that are modified versions of commonly used tables.
Healthcare Trend Rate	4.00%	4.00%

The long-term expected rate of return on OPEB plan investments was determined using a building-block method in which expected future real rates of return (expected returns, net of OPEB plan investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

Investment Class	Target Allocation	Long-Term Expected Rate of Return
US Large Cap	43.00%	7.80%
US Small Cap	23.00%	7.80%
Long-Term Corporation bonds	12.00%	5.30%
Long-Term Government bonds	6.00%	4.50%
TIPS	5.00%	7.80%
US Real Estate	8.00%	7.80%
All Commodities	3.00%	7.80%
<b>TOTAL</b>	<b>100.00%</b>	

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**8. OTHER POSTEMPLOYMENT BENEFITS PLAN, CONTINUED**

*E. Discount Rate*

The discount rate used to measure the total OPEB liability was 7 percent. The projection of cash flows used to determine the discount rate assumed that Agency contributions will be made at rates equal to the actuarially determined contribution rates. Based on those assumptions, the OPEB plan's fiduciary net position was projected to be available to make all projected OPEB payments for current active and inactive employees and beneficiaries. Therefore, the long-term expected rate of return on OPEB plan investments was applied to all periods of projected benefit payments to determine the total OPEB liability.

*F. Changes in the OPEB Liability*

The changes in the net OPEB liability for the OPEB Plan for the year ended June 30, 2019 are as follows:

	Increase (Decrease)		
	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability/(Asset) (c) = (a) - (b)
Balance at June 30, 2018 (Measurement Date June 30, 2018)	\$ 4,569,125	\$ 5,084,924	\$ (515,799)
<b>Changes recognized for the measurement period:</b>			
Service cost	126,654		126,654
Interest	318,028		318,028
Difference between expected and actual experience	187,291	(60,567)	247,858
Changes in Assumption	-		-
Contributions - employer	-	238,948	(238,948)
Net investment income		316,094	(316,094)
Benefit payment	(178,381)	(178,381)	-
Administrative expenses		(4,333)	4,333
<b>Net Changes</b>	<b>453,592</b>	<b>311,761</b>	<b>141,831</b>
Balance at June 30, 2019 (Measurement Date June 30, 2019)	\$ 5,022,717	\$ 5,396,685	\$ (373,968)

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**8. OTHER POSTEMPLOYMENT BENEFITS PLAN, CONTINUED**

*F. Changes in the OPEB Liability, Continued*

The changes in the net OPEB liability for the OPEB Plan for the year ended June 30, 2018 are as follows:

	Increase (Decrease)		
	Total OPEB Liability (a)	Plan Fiduciary Net Position (b)	Net OPEB Liability/(Asset) (c) = (a) - (b)
Balance at June 30, 2017 (Measurement Date June 30, 2017)	\$ 4,347,552	\$ 4,712,349	\$ (364,797)
<b>Changes recognized for the measurement period:</b>			
Service cost	123,264	-	123,264
Interest	301,530	-	301,530
Difference between expected and actual experience	(41,414)	(41,414)	-
Changes in Assumption	-	-	-
Contributions - employer	-	203,221	(203,221)
Net investment income	-	376,820	(376,820)
Benefit payment	(161,807)	(161,807)	-
Administrative expenses	-	(4,245)	4,245
<b>Net Changes</b>	<b>221,573</b>	<b>372,575</b>	<b>(151,002)</b>
Balance at June 30, 2018 (Measurement Date June 30, 2018)	<u>\$ 4,569,125</u>	<u>\$ 5,084,924</u>	<u>\$ (515,799)</u>

*G. Sensitivity of the Net OPEB Liability to Changes in the Discount Rate*

The following presents the net OPEB liability of the Agency if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate, for measurement period ended June 30, 2019 and 2018 respectively:

	2019		
	1% Decrease	Discount Rate	1% Increase
Net OPEB Liability	\$ 199,021	\$ (373,968)	\$ (855,036)
	2018		
	1% Decrease (6%)	Discount Rate (7%)	1% Increase (8%)
Net OPEB Liability	\$ 72,278	\$ (515,799)	\$ (1,004,164)

**Alameda County Waste Management Authority, Alameda County Source Reduction and Recycling Board and Energy Council**  
**Notes to Basic Financial Statements, Continued**  
**For the years ended June 30, 2019 and 2018**

**8. OTHER POSTEMPLOYMENT BENEFITS PLAN, CONTINUED**

*H. Sensitivity of the Net OPEB Liability to Changes in the Health Care Cost Trend Rates*

The following presents the net OPEB liability of the Agency if it were calculated using health care cost trend rates that are one percentage point lower or one percentage point higher than the current rate, for measurement period ended June 30, 2019 and 2018 respectively:

	2019		
	1% Decrease	Healthcare Trend Rate	1% Increase
Net OPEB Liability	\$ (858,914)	\$ (373,968)	\$ 184,690

	2018		
	1% Decrease	Healthcare Trend Rate	1% Increase
Net OPEB Liability	\$ (1,055,469)	\$ (515,799)	\$ 121,271

*I. Recognition of Deferred Outflows and Deferred Inflows of Resources*

Gains and losses related to changes in total OPEB liability and fiduciary net position are recognized in OPEB expense systematically over time. Amounts are first recognized in OPEB expense for the year the gain or loss occurs. The remaining amounts are categorized as deferred outflows and deferred inflows of resources related to OPEB and are to be recognized in future OPEB expense. The recognition period differs depending on the source of the gain or loss:

Net difference between projected and actual earnings on OPEB plan investments	5 Years
All other amounts	Expected average remaining services lifetime (EARSL) (10 years at June 30, 2019 and 8.6 years at June 30, 2018)

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

**8. OTHER POSTEMPLOYMENT BENEFITS PLAN, CONTINUED**

**J. OPEB Expense and Deferred Outflows/ (Inflows) of Resources Related to OPEB**

For the fiscal year ended June 30, 2019 and June 30, 2018, the Agency recognized OPEB expense of \$105,655 and \$85,086. For the fiscal year ended June 30, 2019 and 2018, the Agency reported deferred outflows of resources related to OPEB from the following sources:

	2019		2018	
	Deferred Outflows of Resources	Deferred Inflows of Resources	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience in the measurement of TOL	\$ 136,779	\$ -	\$ -	\$ (36,598)
Net difference between projected and actual earnings of	3,497	-	-	(37,683)
<b>TOTAL</b>	<b>\$ 140,276</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (74,281)</b>

Amounts reported as deferred outflows of resources related to OPEB will be recognized as expense as follows:

2019		2018	
Fiscal Year Ended June 30:	Deferred Outflows/ (Inflows) of Resources	Fiscal Year Ended June 30:	Deferred Outflows/ (Inflows) of Resources
2020	12,433	2019	(14,237)
2021	12,433	2020	(14,237)
2022	12,433	2021	(14,237)
2023	21,853	2022	(14,237)
2024	6,212	2023	(4,816)
Thereafter	74,912	Thereafter	(12,517)

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council**  
Notes to Basic Financial Statements, Continued  
For the years ended June 30, 2019 and 2018

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**9. RISK MANAGEMENT**

The Agency carries commercial insurance coverage for its general liability, property damage, and workers' compensation insurance. The Agency also carries public officials and employee liability insurance, as well as employee dishonesty and forgery/alteration insurance, for those employees who have check signing Agency, as well as those employees who handle funds in any manner.

The following types of loss risks are covered through commercial insurance policies as follows:

<u>Type of Coverage (Deductible)</u>	<u>Coverage Limits</u>
General Liability (\$1,000)	\$ 2,000,000
Property (\$1,000)	\$ 350,000,000
Boiler and Machinery (\$2,500)	\$ 25,000,000
Workers' Compensation (\$1,000)	Statutory Limits

During the past three fiscal years none of the above programs of protection have had settlements or judgments that exceeded insured coverage. There have been no significant reductions in insured liability coverage from coverage in the prior year.

**10. COMMITMENTS AND CONTINGENCIES**

The Agency's Federal and State grant programs are subject to the provisions of the Federal Single Audit Act as amended and applicable State requirements. In addition, these programs are still subject to further examinations by the grantors and the amount, if any, of expenditures which may be disallowed by the granting agencies cannot be determined at this time. The Agency expects such amounts, if any, to be immaterial.

The Agency is subject to litigation arising in the normal course of business. In the opinion of the Agency attorney's there are no pending litigation which is likely to have a material adverse effect on the financial position of the Agency.



**REQUIRED SUPPLEMENTARY INFORMATION**

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**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Required Supplementary Information  
For the years ended June 30, 2019 and 2018**

**1. DEFINED BENEFIT PENSION PLANS**

*A. Schedule of The Agency's Proportionate Share of the Net Pension Liability - Last 10 Years\**

<b>Fiscal Year</b>	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
Measurement Date	6/30/2018	6/30/2017	6/30/2016	6/30/2015	6/30/2014
Proportion of the net pension liability	0.01892%	0.06308%	0.15144%	0.06748%	0.05627%
Proportionate share of the net pension liability	\$ 1,822,849	\$ 6,256,106	\$ 5,260,783	\$ 4,631,507	\$ 3,501,440
Covered payroll	\$ 4,672,775	\$ 4,652,096	\$ 4,638,785	\$ 4,477,977	\$ 4,307,146
Proportionate Share of the net pension liability as percentage of covered payroll	39.01%	134.48%	113.41%	103.43%	81.29%
Plan fiduciary net position as a percentage of the total pension liability <sup>(1)</sup>	75.26%	73.31%	74.06%	78.40%	79.82%

**Notes to Schedule:**

\*- Fiscal year 2015 was the 1st year of implementation.

(1) - This represents the Plan's (PERF C) information not the Agency's funded status. As of June 30, 2018 measurement date, the funded ratio of the Agency was 89.0% per CALPERS actuarial valuation dated June 30, 2018.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Required Supplementary Information  
For the years ended June 30, 2019 and 2018**

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**1. DEFINED BENEFIT PENSION PLANS, Continued**

**B. Schedule of Contributions - Last 10 Years\***

Fiscal Year	2019	2018	2017	2016	2015
Contractually required contribution (actuarially determined)	\$ 493,620	\$ 668,957	\$ 600,645	\$ 599,151	\$ 638,765
Contribution in relation to the actuarially determined contributions	(493,620)	(4,797,958)	(600,645)	(1,199,151)	(638,765)
Contribution deficiency (excess)	\$ -	\$ (4,129,001)	\$ -	\$ (600,000)	\$ -
Covered payroll	\$ 4,820,484	\$ 4,672,775	\$ 4,652,096	\$ 4,638,785	\$ 4,477,977
Contributions as a percentage of covered payroll	10.24%	102.68%	12.91%	25.85%	14.26%
<b>Note to Schedule</b>					
Valuation date:	6/30/2017	6/30/2016	6/30/2015	6/30/2014	6/30/2013

\* - Fiscal year 2015 was the 1st year of implementation.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Required Supplementary Information  
For the years ended June 30, 2019 and 2018**

**2. OTHER POSTEMPLOYMENT BENEFIT PLAN**

**A. Schedule of Changes in the Net OPEB Liability and Related Ratios - Last 10 Years\***

<i>Measurement Period</i>	2019	2018	2017
<b>Total OPEB Liability</b>			
Service Cost	\$ 126,654	\$ 123,264	\$ 119,965
Interest on the total OPEB liability	318,028	301,530	284,652
Differences between expected and actual experience	187,291	(41,414)	-
Changes of assumptions	-	-	-
Benefit payments, including refunds of employee contributions	(178,381)	(161,807)	(130,383)
<b>Net change in total OPEB liability</b>	<b>453,592</b>	<b>221,573</b>	<b>274,234</b>
<b>Total OPEB liability - beginning</b>	<b>4,569,125</b>	<b>4,347,552</b>	<b>4,073,318</b>
<b>Total OPEB liability - ending (a)</b>	<b>\$ 5,022,717</b>	<b>\$ 4,569,125</b>	<b>\$ 4,347,552</b>
<b>Plan Fiduciary Net Position</b>			
Contributions - employer	\$ 238,948	\$ 203,221	\$ 392,105
Net investment income	316,094	376,820	416,097
Differences between expected and actual experience	(60,567)	-	-
Benefit payments, including refunds of employee contributions	(178,381)	(203,221)	(130,383)
Administrative expense	(4,333)	(4,245)	(3,522)
<b>Net change in plan fiduciary net position</b>	<b>311,761</b>	<b>372,575</b>	<b>674,297</b>
<b>Plan fiduciary net position - beginning</b>	<b>5,084,924</b>	<b>4,712,349</b>	<b>4,038,052</b>
<b>Plan fiduciary net position - ending (b)</b>	<b>\$ 5,396,685</b>	<b>\$ 5,084,924</b>	<b>\$ 4,712,349</b>
<b>Net OPEB liability/(asset) - ending (a) - (b)</b>	<b>\$ (373,968)</b>	<b>\$ (515,799)</b>	<b>\$ (364,797)</b>
Plan fiduciary net position as a percentage of the total OPEB liability	107%	111%	108%
Covered-employee payroll	\$ 4,820,484	\$ 4,672,775	\$ 4,652,096
Net OPEB liability as a percentage of covered-employee payroll	-7.76%	-11.04%	-7.84%

**Notes to Schedule:**

Historical information is required only for measurement periods for which GASB 75 is applicable. Future years' information will be displayed up to 10 years as information becomes available.

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Required Supplementary Information  
For the years ended June 30, 2019 and 2018**

**2. OTHER POSTEMPLOYMENT BENEFIT PLAN, Continued**

***B. Schedule of Contributions - Last 10 Years\****

Fiscal Year Ended June 30	2019	2018	2017
Actuarially Determined Contribution (ADC)	\$ 238,948	\$ 203,221	\$ 142,105
Contributions in relation to the ADC	(238,948)	(203,221)	(392,105)
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (250,000)</u>
Covered-employee payroll	\$ 4,820,484	\$ 4,672,775	\$ 4,652,096
Contributions as a percentage of covered-employee payroll	4.96%	4.35%	8.43%

**Notes to Schedule:**

**Methods and assumptions used to determine contributions:**

Valuation Date	June 30, 2019
Actuarial Cost Method	Entry Age Normal, Level Percentage of Payroll
Amortization Method/Period	Level Percent Amount, Open 22 year amortization period
Amortization in Years	30 years
Asset Valuation Method	Investment gains and losses spread over 5-year period
Inflation	2.75%
Payroll Growth	2.75% per year
Discount Rate	7.00%
Healthcare cost-trend rates	4.00%
Mortality	Mortality assumptions are based on the 2014 CalPERS Active Mortality for Miscellaneous Employees table created by CalPERS
Valuation Date	June 30, 2016
Actuarial Cost Method	Entry Age Normal, Level Percentage of Payroll
Amortization Method/Period	Level Percent Amount, Open 22 year amortization period
Amortization in Years	30 years
Asset Valuation Method	Investment gains and losses spread over 5-year period
Inflation	2.75%
Payroll Growth	2.75% per year
Discount Rate	7.00%
Healthcare cost-trend rates	4.00%
Mortality	Mortality assumptions are based on the 2014 CalPERS Active Mortality for Miscellaneous Employees table created by CalPERS

Historical information is required only for measurement periods for which GASB 75 is applicable. Future years' information will be displayed up to 10 years as information becomes available.

## **SUPPLEMENTARY INFORMATION**

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**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Supplementary Schedule of Net Position - Waste Management  
June 30, 2019 and 2018**

	Solid waste	Mitigation Fees	Benchmark Fees	Household Hazardous Waste	Total	
					2019	2018
<b>ASSETS</b>						
<b>CURRENT ASSETS</b>						
Cash and Cash Equivalents	\$ 6,283,312	\$ 10,356,699	\$ 116,325	\$ 17,280,156	\$ 34,036,492	\$ 28,194,390
Accounts receivable	684,586	323,891	-	518,821	1,527,299	1,458,566
Interest Receivable	36,379	48,341	-	91,465	176,185	81,359
Prepaid Expenses	113,338	-	-	-	113,338	4,641
Grants Receivable	700,533	-	-	-	700,533	682,062
<b>Total Current Assets</b>	<b>7,818,148</b>	<b>10,728,931</b>	<b>116,325</b>	<b>17,890,442</b>	<b>36,553,847</b>	<b>30,421,018</b>
<b>NON-CURRENT ASSETS</b>						
Capital Assets, Net of Accumulated Depreciation	584,331	13,679,609	-	-	14,263,940	14,105,354
Net OPEB Asset	373,968	-	-	-	373,968	515,799
Due from Other Funds	2,166,218	2,414	-	-	2,168,632	639,160
<b>Total Non-current Assets</b>	<b>3,124,517</b>	<b>13,682,023</b>	<b>-</b>	<b>-</b>	<b>16,806,540</b>	<b>15,260,313</b>
<b>TOTAL ASSETS</b>	<b>10,942,665</b>	<b>24,410,954</b>	<b>116,325</b>	<b>17,890,442</b>	<b>53,360,387</b>	<b>45,681,331</b>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>						
Related to OPEB	140,276	-	-	-	140,276	-
Related to Pension	3,774,487	-	-	-	3,774,487	6,882,232
<b>Total Deferred Outflows of Resources</b>	<b>3,914,763</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,914,763</b>	<b>6,882,232</b>
<b>LIABILITIES</b>						
<b>CURRENT LIABILITIES</b>						
Accounts Payable	597,385	7,711	-	2,527,511	3,132,607	2,999,643
Accrued Expenses	276,192	-	-	-	276,192	317,309
Accrued Vacation	261,584	-	-	-	261,584	297,341
Unearned revenue	124,151	-	-	-	124,151	131,402
Due to Other Funds	236,569	85,002	-	37,204	358,775	115,088
<b>Total Current Liabilities</b>	<b>1,495,881</b>	<b>92,713</b>	<b>-</b>	<b>2,564,715</b>	<b>4,153,309</b>	<b>3,860,783</b>
<b>LONG-TERM LIABILITIES</b>						
Accrued Vacation	10,518	-	-	-	10,518	23,724
Net OPEB Liability	-	-	-	-	-	-
Net Pension Liability	1,822,849	-	-	-	1,822,849	6,256,106
<b>Total Long-term Liability</b>	<b>1,833,367</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,833,367</b>	<b>6,279,830</b>
<b>TOTAL LIABILITIES</b>	<b>3,329,248</b>	<b>92,713</b>	<b>-</b>	<b>2,564,715</b>	<b>5,986,676</b>	<b>10,140,613</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>						
Related to OPEB	-	-	-	-	-	74,281
Related to Pension	2,435,395	-	-	-	2,435,395	662,466
<b>Total Deferred Inflows of Resources</b>	<b>2,435,395</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,435,395</b>	<b>736,747</b>
<b>NET POSITION</b>						
Net Investment in Capital Assets	584,331	13,679,609	-	-	14,263,940	14,105,354
Unrestricted	8,508,454	10,638,632	116,325	15,325,727	34,589,139	27,580,849
<b>TOTAL NET POSITION</b>	<b>\$ 9,092,785</b>	<b>\$ 24,318,241</b>	<b>\$ 116,325</b>	<b>\$ 15,325,727</b>	<b>\$ 48,853,079</b>	<b>\$ 41,686,203</b>

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Supplementary Schedule of Revenues, Expenses, and Changes in Net Position - Waste Management  
For the Years Ended June 30, 2019 and 2018**

	Solid waste	Mitigation Fees	Benchmark Fees	Household Hazardous Waste	Total	
					2019	2018
<b>OPERATING REVENUES</b>						
Fees	\$ 6,265,434	\$ 1,177,928	\$ -	\$ -	\$ 7,443,362	\$ 6,359,793
Easement Fee	-	1,790,470	-	-	1,790,470	-
Household Hazardous Fees	-	-	-	7,336,109	7,336,109	7,678,014
Benchmark Fees	-	-	-	-	-	5,506
Other	190,798	594,998	-	-	785,796	665,115
<b>Total Operating Revenues</b>	<b>6,456,232</b>	<b>3,563,396</b>	<b>-</b>	<b>7,336,109</b>	<b>17,355,737</b>	<b>14,708,428</b>
<b>OPERATING EXPENSES</b>						
Salaries and Benefits	2,693,328	195,905	-	50,671	2,939,904	4,318,477
Program Expenses	2,271,278	211,396	190	5,505,965	7,988,829	8,884,078
Legal and Accounting	253,827	15,712	-	6,378	275,917	148,325
Board Expenses	41,755	-	-	-	41,755	40,850
Depreciation	57,277	124,264	-	-	181,541	154,022
<b>Total Operating Expenses</b>	<b>5,317,465</b>	<b>547,277</b>	<b>190</b>	<b>5,563,014</b>	<b>11,427,945</b>	<b>13,545,752</b>
<b>OPERATING INCOME (LOSS)</b>	<b>1,138,767</b>	<b>3,016,119</b>	<b>(190)</b>	<b>1,773,095</b>	<b>5,927,792</b>	<b>1,162,676</b>
<b>NONOPERATING REVENUES</b>						
Grants	669,511	-	-	-	669,511	1,195,935
Interest Income	120,676	148,560	-	275,140	544,376	304,100
Other Income	25,197	-	-	-	25,197	-
<b>Total Nonoperating Revenues</b>	<b>815,384</b>	<b>148,560</b>	<b>-</b>	<b>275,140</b>	<b>1,239,084</b>	<b>1,500,035</b>
<b>NET INCOME (LOSS) BEFORE TRANSFERS</b>	<b>1,954,151</b>	<b>3,164,679</b>	<b>(190)</b>	<b>2,048,235</b>	<b>7,166,876</b>	<b>2,662,711</b>
Transfer in (out)	-	-	-	-	-	-
<b>NET INCOME (LOSS) AFTER TRANSFERS</b>	<b>1,954,151</b>	<b>3,164,679</b>	<b>(190)</b>	<b>2,048,235</b>	<b>7,166,876</b>	<b>2,662,711</b>
<b>NET POSITION, BEGINNING OF YEAR, as restated</b>	<b>7,138,634</b>	<b>21,153,562</b>	<b>116,515</b>	<b>13,277,492</b>	<b>41,686,203</b>	<b>39,023,492</b>
<b>NET POSITION, ENDING OF YEAR</b>	<b>\$ 9,092,785</b>	<b>\$ 24,318,241</b>	<b>\$ 116,325</b>	<b>\$ 15,325,727</b>	<b>\$ 48,853,079</b>	<b>\$ 41,686,203</b>

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Supplementary Schedule of Net Position - Recycling Board  
June 30, 2019 and 2018**

	Municipality Allocation	Revolving Loan Fund	Pre-March 1995	Discretionary	Grants to Non-Profits	Source Reduction	Market Development	Recycled Product Price	Total	
									2019	2018
<b>ASSETS</b>										
<b>CURRENT ASSETS</b>										
Cash and Cash Equivalents	\$ 947,441	\$ 57,635	\$ 694,981	\$ 2,933,529	\$ 3,017,611	\$ 1,976,346	\$ 3,387,774	\$ 361,766	\$ 13,377,083	\$ 12,276,899
Accounts receivable	448,951	-	-	134,703	89,785	89,785	89,785	44,892	897,902	891,859
Interest Receivable	5,211	263	-	65,876	-	-	-	-	71,350	42,248
Loan Receivable-current	-	43,996	-	-	-	-	-	-	43,996	42,570
Due from other funds	-	-	-	333	-	-	-	-	333	(9,083)
<b>Total Current Assets</b>	<b>1,401,603</b>	<b>101,894</b>	<b>694,981</b>	<b>3,134,441</b>	<b>3,107,396</b>	<b>2,066,131</b>	<b>3,477,559</b>	<b>406,658</b>	<b>14,390,664</b>	<b>13,244,493</b>
<b>NON-CURRENT ASSETS</b>										
Loan receivable-non current	-	26,364	-	-	-	-	-	-	26,364	70,347
<b>Total Non-current Assets</b>	<b>-</b>	<b>26,364</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26,364</b>	<b>70,347</b>
<b>TOTAL ASSETS</b>	<b>1,401,603</b>	<b>128,258</b>	<b>694,981</b>	<b>3,134,441</b>	<b>3,107,396</b>	<b>2,066,131</b>	<b>3,477,559</b>	<b>406,658</b>	<b>14,417,028</b>	<b>13,314,840</b>
<b>LIABILITIES</b>										
<b>CURRENT LIABILITIES</b>										
Accounts Payable	-	464	-	94,327	15,316	25,138	9,852	159,741	304,838	288,409
Due to Other Funds	-	-	-	296,336	111,647	116,143	134,174	110,291	768,591	81,050
Due to Other Government	1,402,586	-	-	-	-	-	-	-	1,402,586	1,323,462
<b>Total Current Liabilities</b>	<b>1,402,586</b>	<b>464</b>	<b>-</b>	<b>390,663</b>	<b>126,963</b>	<b>141,281</b>	<b>144,026</b>	<b>270,032</b>	<b>2,476,015</b>	<b>1,692,921</b>
<b>TOTAL LIABILITIES</b>	<b>1,402,586</b>	<b>464</b>	<b>-</b>	<b>390,663</b>	<b>126,963</b>	<b>141,281</b>	<b>144,026</b>	<b>270,032</b>	<b>2,476,015</b>	<b>1,692,921</b>
<b>NET POSITION</b>										
Unrestricted	(983)	127,794	694,981	2,743,778	2,980,433	1,924,850	3,333,533	136,626	11,941,013	11,681,919
<b>TOTAL NET POSITION</b>	<b>\$ (983)</b>	<b>\$ 127,794</b>	<b>\$ 694,981</b>	<b>\$ 2,743,778</b>	<b>\$ 2,980,433</b>	<b>\$ 1,924,850</b>	<b>\$ 3,333,533</b>	<b>\$ 136,626</b>	<b>\$ 11,941,013</b>	<b>\$ 11,681,919</b>

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Supplementary Schedule of Revenues, Expenses, and Changes in Net Position - Recycling Board  
For the Years Ended June 30, 2019 and 2018**

	Municipality Allocation	Revolving Loan Fund	Pre-March 1995	Discretionary	Non-Profits	Source Reduction	Market Development	Recycled Product Price	Total
<b>OPERATING REVENUES</b>									
Fees	\$ 5,570,885	\$ -	\$ -	\$ 1,671,265	\$ 1,114,177	\$ 1,114,177	\$ 1,114,177	\$ 557,089	\$ 11,141,770
Other	-	(15)	-	-	-	-	-	-	(15)
<b>Total Operating Revenues</b>	<b>5,570,885</b>	<b>(15)</b>	<b>-</b>	<b>1,671,265</b>	<b>1,114,177</b>	<b>1,114,177</b>	<b>1,114,177</b>	<b>557,089</b>	<b>11,141,755</b>
<b>OPERATING EXPENSES</b>									
Salaries and Benefits	-	-	-	1,886,738	329,746	616,605	585,842	14,504	3,433,434
Program Expenses	5,591,674	165	-	812,877	351,445	233,570	160,458	500,642	7,249,874
Legal and Accounting	-	753	-	20,271	-	-	-	-	21,024
Board Expenses	-	-	-	9,800	-	-	-	-	9,800
<b>Total Operating Expenses</b>	<b>5,591,674</b>	<b>918</b>	<b>-</b>	<b>2,729,686</b>	<b>681,191</b>	<b>850,175</b>	<b>746,300</b>	<b>515,146</b>	<b>11,115,089</b>
<b>OPERATING INCOME (LOSS)</b>	<b>(20,789)</b>	<b>(933)</b>	<b>-</b>	<b>(1,058,421)</b>	<b>432,986</b>	<b>264,002</b>	<b>367,877</b>	<b>41,943</b>	<b>26,666</b>
<b>NONOPERATING REVENUES</b>									
Interest Income	15,286	3,680	-	213,462	-	-	-	-	232,428
<b>Total Nonoperating Revenues</b>	<b>15,286</b>	<b>3,680</b>	<b>-</b>	<b>213,462</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>232,428</b>
<b>NET INCOME (LOSS) BEFORE TRANSFERS</b>	<b>(5,503)</b>	<b>2,747</b>	<b>-</b>	<b>(844,959)</b>	<b>432,986</b>	<b>264,002</b>	<b>367,877</b>	<b>41,943</b>	<b>259,094</b>
Transfer in (out)	-	-	-	-	-	-	-	-	-
<b>NET INCOME (LOSS) AFTER TRANSFERS</b>	<b>(5,503)</b>	<b>2,747</b>	<b>-</b>	<b>(844,959)</b>	<b>432,986</b>	<b>264,002</b>	<b>367,877</b>	<b>41,943</b>	<b>259,094</b>
<b>NET POSITION, BEGINNING OF YEAR</b>	<b>4,520</b>	<b>125,047</b>	<b>694,981</b>	<b>3,588,737</b>	<b>2,547,447</b>	<b>1,660,848</b>	<b>2,965,656</b>	<b>94,683</b>	<b>11,681,919</b>
<b>NET POSITION, ENDING OF YEAR</b>	<b>\$ (983)</b>	<b>\$ 127,794</b>	<b>\$ 694,981</b>	<b>\$ 2,743,778</b>	<b>\$ 2,980,433</b>	<b>\$ 1,924,850</b>	<b>\$ 3,333,533</b>	<b>\$ 136,626</b>	<b>\$ 11,941,013</b>

**Alameda County Waste Management Authority, Alameda County Source Reduction  
and Recycling Board and Energy Council  
Supplementary Schedule of Net Position - Energy Council  
June 30, 2019 and 2018**

	2019	2018
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Cash and Cash Equivalents	\$ 1,343,333	\$ 424,988
Accounts receivable	15,930	63,904
Interest Receivable	5,409	1,399
Due from other funds	12,349	-
Grants Receivable	1,428,533	816,123
	<b>2,805,554</b>	<b>1,306,414</b>
<b>TOTAL ASSETS</b>		
<b>LIABILITIES</b>		
<b>CURRENT LIABILITIES</b>		
Accounts Payable	676,108	624,050
Due to Other Funds	1,053,947	433,939
Unearned revenue	908,083	94,325
	<b>2,638,138</b>	<b>1,152,314</b>
<b>TOTAL LIABILITIES</b>		
<b>NET POSITION</b>		
Unrestricted	167,416	154,100
	<b>167,416</b>	<b>154,100</b>
<b>TOTAL NET POSITION</b>	<b>\$ 167,416</b>	<b>\$ 154,100</b>

**Alameda County Waste Management Authority, Alameda County Source  
Reduction and Recycling Board and Energy Council  
Supplementary Schedule of Revenues, Expenses, and Changes in Net Position - Recycling Board  
For the Years Ended June 30, 2019 and 2018**

	Total	
	2019	2018
OPERATING EXPENSES		
Salaries and Benefits	\$ 1,120,253	\$ 794,767
Program Expenses	7,317,784	6,811,961
Legal and Accounting	9,872	563
<b>Total Operating Expenses</b>	<b>8,447,909</b>	<b>7,607,291</b>
NONOPERATING REVENUES		
Grants	8,397,906	7,588,952
Other revenue	50,000	50,000
Interest Income	13,319	2,550
<b>Total Nonoperating Revenues</b>	<b>8,461,225</b>	<b>7,641,502</b>
<b>NET INCOME (LOSS)</b>	<b>13,316</b>	<b>34,211</b>
<b>NET POSITION, BEGINNING OF YEAR</b>	<b>154,100</b>	<b>119,889</b>
<b>NET POSITION, ENDING OF YEAR</b>	<b>\$ 167,416</b>	<b>\$ 154,100</b>