

# Materials Innovation and Recycling Authority

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Materials Innovation and Recycling Authority  
Regular Board of Directors  
**Supplemental Information**  
Aug. 3, 2017

## I. Finance

Informational Reports (Period ending May 31, 2017 (Attachment A)).

CSWS Financials	CSWS Improvement Fund
CSWS Electricity	Property Division Financials
CSWS Solid Waste Summary	MIRA Cash Flow
CSWS Recycling Summaries	FY 2017 Audit Status and Schedule
CSWS Improvement Fund	FY 2016 CAFR Award

## II. Summary of Project Activities

1. An update is provided on each project's monthly operations for the period ending June 30, 2017 (Attachment B).
2. An update is provided on waste deliveries to all the projects for the period ending June 30, 2017 (Attachment C).

## III. Communications

1. Legal Expenditure Report FY'17 (Attachment D).

**TAB A**



CSWS Financials - This report reflects the budget versus actual financial performance of the CSWS for the current month and on a year to date basis. This is an accrual basis report in that revenues are recognized when earned and expenses are recognized when incurred.

As indicated in this report, total operating revenue for May was \$5.13 million (1% below budget). Deficits in Electricity Sales, Other Contract and Spot waste were nearly overcome by surplus Hauler and Member Town waste and Recycling Facility revenue. Total operating expenses were \$4.42 million (3% under budget) in May allowing CSWS operating income for the month to exceed budget by 15%. Note that CSWS legal spending on "Resource Rediscovery" totaled \$0 in May (\$50,333 year to date) and is included within CSWS Operational Expenses. Year to date the CSWS has operating income of \$0.28 million which is \$4.61 million worse than budget. Contributions to the CSWS Improvement Fund were \$0.46 million in May and \$9.86 million year to date (on budget). See "MIRA Cash Flow" for additional information.

CSWS Electricity - This report reflects CSWS budget versus actual electricity production, revenue and price for the current month and year to date. Energy revenue reconciles to CSWS Financials. Effective April 1, 2017 through March 31, 2018, the first 10 MW of CSWS energy is sold under fixed contract at the rate of \$.03732 / Kwh. Effective April 1, 2017 through March 31, 2018 a second 10 MW hedge of CSWS energy is sold under fixed contract at the rate of \$.03543 / Kwh. Remaining energy is sold in the wholesale energy market pending execution of any additional fixed price energy transactions pursuant to MIRA's flexible energy hedging program with Nextera.

As indicated in this report, the CSWS total average energy price including hedged and wholesale prices was \$0.0322 per kwh in May which is \$0.0003 per kwh above budget. Plant production of energy was 5.3 million kwh (16%) below budget in May. The plant ran at full capacity for 11 out of 31 days. Boiler 11 was off line during 4 days for tube leaks and a sootblower issue. Boiler 12 was off line during 12 days, 9 of which were for tube leaks and 3 additional days were for Opacity and SSC Chain issues. Boiler 13 was off line during 7 days initially for a scheduled cleaning outage and subsequently for an AQC cable issue. Turbine 5 ran uninterrupted for the month. Turbine 6 was off line during 3 days for condenser cleaning. Price and production combine to produce a \$0.16 million (15%) shortfall in electricity revenue for the month of May. On a year to date basis, in comparison to this period of fiscal year 2016, energy price, production and revenue are down 15%, 7% and 21% respectively.

CSWS Solid Waste Summary - This report reflects the budget versus actual MSW tons delivered, revenue and price per ton for participating towns, other contracts, waste haulers and spot.

May deliveries totaled 60,187 tons which is 1,758 tons (2.8%) under budget. There were no deliveries of Spot in May leaving Spot 7,082 tons under budget. Other Contract deliveries were 690 tons under budget. The deficits in Spot and Other Contracts was nearly offset by 4,511 tons of surplus Hauler deliveries and 1,503 tons of surplus Participating Town waste deliveries. Year to date Spot prices average \$37.70 per ton which is \$2.30 per ton under budget and down in comparison to FY 2016. The per ton prices for Other Contract waste are \$0.10 per ton below budget year to date and up in comparison to FY 2016. Prices for Waste Hauler tons are steady at \$64 consistent with CSWS established tip fees. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 5.6% below budget on a year to date basis.



CSWS Recycling Summary - This report reflects current month and year to date recyclable tons delivered to and exported from the CSWS recycling center including the rate per ton and corresponding revenue reconciled to CSWS financials. Deliveries and exports are stated in terms relevant to the contract operation of this facility.

As indicated in this report, total recycling facility revenues were 104% above budget in May. Delivery revenue was 35% above budget due to FCR paid residue being 173 tons (72%) above budget and both CSWS & FCR sourced single stream deliveries being well above budget. Export revenue was 238% above budget primarily due to both CSWS & FCR sourced ONP & OCC being well above budget in terms of price and revenue in May. Year to date total recycling revenues are 66% above budget. As indicated separately on the Metal Sales report, metal sales revenue was 5.1% above budget in May due to strong pricing. While tonnage was 1.1% under budget in May the average price was \$53.98 per ton which is \$3.19 per ton (6.3%) above budget. Total Metal Sales and Excess Residue was 12% above budget in May.

Property Division Financials - This report reflects the budget versus actual financial performance of the Authority's Property Division for the current month and on a year to date basis. This is an accrual basis report in that revenues are recognized when earned and expenses are recognized when incurred irrespective of the timing of cash receipts or payments.

As indicated in this report, revenue to the Property Division was 39% above budget in May primarily due to activity in the reserve and real time markets. The deficit in budget versus actual Capacity Payments will be made up in the month of June when the capacity payment rate increases. Operating expenses were 18% below budget in May and operating income was 92% above budget for the month. Total operating income for the Property Division is 40% above budget year to date.

MIRA Cash Flow - This "cash basis" report reflects the monthly flow of cash through the bank accounts and STIF reserve funds that represent all of the Authority's ongoing operations. The flow of funds is executed monthly in accordance with Board approved criteria.

As indicated in this report, Property Division cash receipts were sufficient to distribute \$454,885 to the Tip Fee Stabilization Fund in May. Year to date distributions to this fund are \$3,623,168 in comparison to the maximum authorized distribution of \$4.0 million. CSWS cash receipts were sufficient to refund \$345,475 in prior draws from the Tip Fee Stabilization Fund. After the distribution of May receipts, \$13,693,841 remained contingently due to the Tip Fee Stabilization Fund from CSWS. Note that the Cash Flow statement includes all accounts related to the Authority's ongoing operations. Accounts held pending final distribution pursuant to the closeout of the Mid Connecticut and Southeast projects, as well as customer security deposits, are not shown.

Segmented Income Statements - This report reflects the revenues and expenses of each of the Authority's projects and divisions in the format ultimately to appear in the Authority's annual independent audit report. The report includes a summary reconciliation to budget versus actual variance report formats.

CSWS Monthly Financial Report

Period Ending: **May 31, 2017**

REVENUES	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
<i>Member Towns</i>	\$ 2,133,244	\$ 2,230,959	\$ 97,715	5%	\$ 22,386,426	\$ 21,964,255	\$ (422,171)	-2%
<i>Other Contracts</i>	\$ 519,771	\$ 488,218	\$ (31,554)	-6%	\$ 4,395,429	\$ 3,480,585	\$ (914,844)	-21%
<i>Hauler Contracts</i>	\$ 758,554	\$ 1,047,354	\$ 288,800	38%	\$ 8,334,950	\$ 10,334,975	\$ 2,000,025	24%
<i>Soot Waste</i>	\$ 283,298	\$ -	\$ (283,298)	n/a	\$ 3,183,634	\$ 382,001	\$ (2,801,633)	-88%
Other Operating Charges	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Member Service Fee	\$ 3,264	\$ 3,901	\$ 637	20%	\$ 36,736	\$ 37,234	\$ 498	1%
<i>Metal Sales &amp; Excess Residue</i>	\$ 101,483	\$ 113,869	\$ 12,386	12%	\$ 1,123,401	\$ 903,298	\$ (220,102)	-20%
Bulky Waste	\$ 12,955	\$ 17,532	\$ 4,677	36%	\$ 273,063	\$ 158,711	\$ (114,354)	-42%
<i>Recycling Facility</i>	\$ 85,697	\$ 174,713	\$ 89,016	104%	\$ 902,205	\$ 1,494,627	\$ 592,422	66%
<i>Electricity Sales</i>	\$ 1,087,981	\$ 925,843	\$ (162,138)	-15%	\$ 15,502,365	\$ 9,954,898	\$ (5,547,467)	-36%
Other Energy Markets	\$ 186,000	\$ 126,410	\$ (59,590)	-32%	\$ 2,046,000	\$ 1,586,046	\$ (459,954)	-22%
Misc. (Interest, Fees, Other)	\$ 1,250	\$ 2,175	\$ 925	74%	\$ 35,245	\$ 69,183	\$ 33,938	96%
<b>TOTAL ACCRUED REVENUES</b>	\$ 5,173,497	\$ 5,131,073	\$ (42,425)	-1%	\$ 58,219,456	\$ 50,365,814	\$ (7,853,642)	-13%
<b>EXPENDITURES</b>								
Administrative Expenses	\$ 233,385	\$ 194,473	\$ 39,413	17%	\$ 2,809,476	\$ 2,474,040	\$ 335,436	12%
Operational Expenses	\$ 224,498	\$ 34,742	\$ 139,756	62%	\$ 2,644,579	\$ 2,082,080	\$ 562,499	21%
PILOTs & Fees	\$ 225,000	\$ 227,068	\$ (2,068)	-1%	\$ 2,490,000	\$ 2,368,123	\$ 121,875	5%
Waste Transport	\$ 1,191,784	\$ 1,146,999	\$ 44,785	4%	\$ 12,402,318	\$ 11,307,745	\$ 1,094,573	9%
Recycling Facility	\$ 51,727	\$ 44,427	\$ 7,300	14%	\$ 538,966	\$ 467,680	\$ 71,286	13%
Murphy Road Operations	\$ 10,608	\$ 10,508	\$ -	0%	\$ 116,688	\$ 116,689	\$ (1)	0%
MIRA Facilities Operating Exp.	\$ 64,580	\$ 53,517	\$ 11,063	17%	\$ 710,380	\$ 994,737	\$ (284,357)	-40%
NAES Contract Operating Charges	\$ 2,233,685	\$ 2,370,017	\$ (136,332)	-6%	\$ 28,084,679	\$ 26,819,984	\$ 1,264,695	5%
NAES On-Site Incentive Comp.	\$ 76,086	\$ 76,086	\$ -	0%	\$ 836,946	\$ 914,830	\$ (77,884)	-9%
NAES Management Fees	\$ 102,750	\$ 81,757	\$ 20,993	20%	\$ 1,130,250	\$ 1,034,708	\$ 95,542	8%
Transfer Station - Ellington	\$ 1,875	\$ 309	\$ 1,566	84%	\$ 20,625	\$ 10,900	\$ 9,725	47%
Transfer Station - Essex	\$ 47,542	\$ 44,558	\$ 2,884	6%	\$ 522,962	\$ 508,342	\$ 14,620	3%
Transfer Station - Torrington	\$ 45,616	\$ 42,657	\$ 2,959	6%	\$ 501,776	\$ 482,888	\$ 18,888	4%
Transfer Station - Watertown	\$ 47,208	\$ 44,299	\$ 2,909	6%	\$ 519,288	\$ 505,710	\$ 13,578	3%
<b>TOTAL ACCRUED EXPENDITURES</b>	\$ 4,556,845	\$ 4,421,617	\$ 135,228	3%	\$ 53,328,933	\$ 50,088,458	\$ 3,240,475	6%
<b>OPERATING INCOME</b>								
(Before Reserves / Transfers)	\$ 616,652	\$ 709,456	\$ 92,803	15%	\$ 4,890,523	\$ 277,356	\$ (4,613,167)	-94%
<b>DISTRIBUTION OF CSWS OPERATING INCOME</b>								
<i>Debt Service Fund</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<i>CSWS Improvement Fund</i>	\$ 458,000	\$ 458,000	\$ -	0%	\$ 9,863,000	\$ 9,863,000	\$ -	0%
<i>CSWS Risk Fund</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<i>CSWS Legal Reserve</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<i>MIRA Severance Reserve</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<b>TOTAL DISTRIBUTIONS</b>	\$ 458,000	\$ 458,000	\$ -	0%	\$ 9,863,000	\$ 9,863,000	\$ -	0%
<b>SURPLUS / (DEFICIT)</b>	\$ 158,652	\$ 251,456	\$ 92,803	58%	\$ (4,972,477)	\$ (9,585,644)	\$ (4,613,167)	93%



Materials Innovation and Recycling Authority  
 FY 2017 Board of Directors Financial Report

Narrative

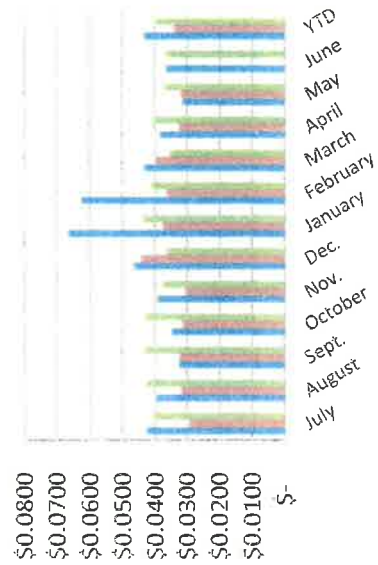
CSWS Electricity Production

Period Ending:

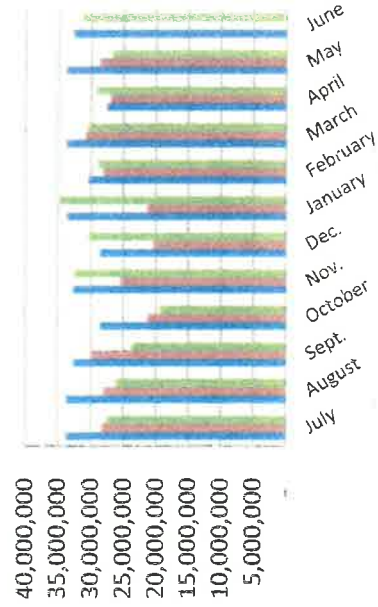
May 31, 2017

FY 2017	Price			Production			Generation Revenue		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
July	\$ 0.0432	\$ 0.0293	\$ (0.0138)	34,002,849	28,425,370	(5,577,479)	\$ 1,468,438	\$ 834,139	\$ (634,299)
August	\$ 0.0401	\$ 0.0320	\$ (0.0082)	34,002,849	28,086,860	(5,915,989)	\$ 1,365,047	\$ 898,470	\$ (466,576)
Sept.	\$ 0.0331	\$ 0.0326	\$ (0.0005)	32,905,983	29,814,770	(3,091,213)	\$ 1,089,871	\$ 973,368	\$ (116,503)
October	\$ 0.0354	\$ 0.0316	\$ (0.0038)	28,884,140	21,289,440	(7,594,700)	\$ 1,022,654	\$ 672,865	\$ (349,789)
Nov.	\$ 0.0396	\$ 0.0307	\$ (0.0089)	32,905,983	25,485,690	(7,420,293)	\$ 1,301,692	\$ 782,211	\$ (519,480)
Dec.	\$ 0.0473	\$ 0.0445	\$ (0.0028)	28,884,141	20,456,800	(8,427,341)	\$ 1,366,791	\$ 911,189	\$ (455,602)
January	\$ 0.0671	\$ 0.0379	\$ (0.0292)	34,002,849	21,445,220	(12,557,629)	\$ 2,280,486	\$ 811,929	\$ (1,468,558)
February	\$ 0.0631	\$ 0.0366	\$ (0.0265)	30,712,251	28,162,870	(2,549,381)	\$ 1,938,670	\$ 1,030,853	\$ (907,817)
March	\$ 0.0441	\$ 0.0397	\$ (0.0044)	34,002,849	30,945,080	(3,057,769)	\$ 1,498,189	\$ 1,228,347	\$ (269,842)
April	\$ 0.0390	\$ 0.0327	\$ (0.0063)	27,787,274	27,088,250	(699,024)	\$ 1,082,547	\$ 885,684	\$ (196,863)
May	\$ 0.0320	\$ 0.0322	\$ 0.0003	34,002,849	28,709,080	(5,293,769)	\$ 1,087,981	\$ 925,843	\$ (162,138)
June	\$ 0.0371	\$ -	n/a	32,905,989	-	n/a	\$ 1,222,035	\$ -	n/a
YTD	\$ 0.0440	\$ 0.0343	\$ (0.0097)	352,094,017	289,909,430	(62,184,587)	\$ 15,502,365	\$ 9,954,898	\$ (5,547,467)
YTD % Var.			-22%			-18%			-36%

Price / KWh



Production (KWh)



Materials Innovation and Recycling Authority  
 FY 2017 Board of Directors Financial Report

[Narrative](#)

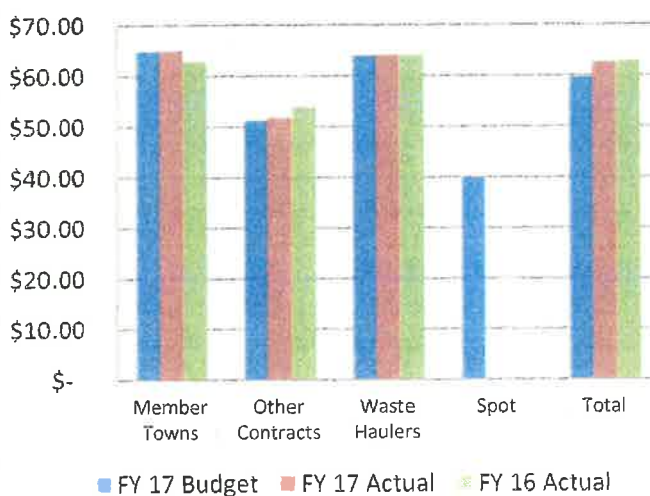
CSWS Solid Waste Summary

Period Ending:

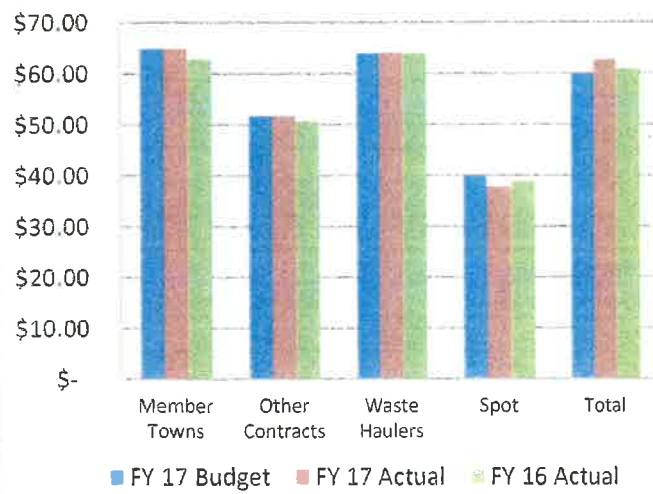
May 31, 2017

FY 17 Budget	Current Month			Year To Date		
	Tons	Revenue	Price	Tons	Revenue	Price
<i>Member Towns</i>	32,879	\$ 2,133,244	\$ 64.88	344,889	\$ 22,386,426	\$ 64.91
<i>Other Contracts</i>	10,131	\$ 519,771	\$ 51.30	84,869	\$ 4,395,429	\$ 51.79
<i>Waste Haulers</i>	11,852	\$ 758,554	\$ 64.00	130,234	\$ 8,334,950	\$ 64.00
<i>Spot</i>	7,082	\$ 283,298	\$ 40.00	79,591	\$ 3,183,634	\$ 40.00
<b>Total</b>	<b>61,945</b>	<b>\$ 3,694,867</b>	<b>\$ 59.65</b>	<b>639,582</b>	<b>\$ 38,300,439</b>	<b>\$ 59.88</b>
<b>FY 17 Actual</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>
Member Towns	34,381	\$ 2,230,959	\$ 64.89	338,445	\$ 21,964,255	\$ 64.90
Other Contracts	9,442	\$ 488,218	\$ 51.71	67,340	\$ 3,480,585	\$ 51.69
Waste Haulers	16,364	\$ 1,047,354	\$ 64.00	161,471	\$ 10,334,975	\$ 64.01
Spot	-	\$ -	\$ -	10,131	\$ 382,001	\$ 37.70
<b>Total</b>	<b>60,187</b>	<b>\$ 3,766,531</b>	<b>\$ 62.58</b>	<b>577,387</b>	<b>\$ 36,161,816</b>	<b>\$ 62.63</b>
<b>Variance</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>
Member Towns	1,503	\$ 97,715	\$ 0.01	(6,444)	\$ (422,171)	\$ (0.01)
Other Contracts	(690)	\$ (31,554)	\$ 0.41	(17,529)	\$ (914,844)	\$ (0.10)
Waste Haulers	4,511	\$ 288,800	\$ 0.00	31,237	\$ 2,000,025	\$ 0.01
Spot	(7,082)	\$ (283,298)	\$ (40.00)	(69,459)	\$ (2,801,633)	\$ (2.30)
<b>Total</b>	<b>(1,758)</b>	<b>\$ 71,664</b>	<b>\$ 2.93</b>	<b>(62,195)</b>	<b>\$ (2,138,623)</b>	<b>\$ 2.75</b>
<b>Total % Var.</b>	<b>-2.8%</b>	<b>1.9%</b>	<b>4.9%</b>	<b>-9.7%</b>	<b>-5.6%</b>	<b>4.6%</b>

Current Month Average Price / Ton



YTD Average Price / Ton





CSWS Recycling Facility (Deliveries)

Period Ending:

May 31, 2017

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
<b>Delivery Revenue</b>	<b>\$ 56,779</b>	<b>\$ 76,917</b>	<b>\$ 20,138</b>	<b>\$ 618,908</b>	<b>\$ 819,773</b>	<b>\$ 200,866</b>
Export Revenue	\$ 28,918	\$ 97,795	\$ 68,877	\$ 283,297	\$ 674,854	\$ 391,557
Total	\$ 85,697	\$ 174,713	\$ 89,016	\$ 902,205	\$ 1,494,627	\$ 592,422
Total % Var.			104%			66%

Current Month Budget	Deliveries CSWS Sourced			Deliveries FCR Sourced			Delivery Revenue
	Tons	Rate	Revenue	Tons	Rate	Revenue	
Residential Dual	-	\$ 8.50	\$ -	-	\$ 7.50	\$ -	\$ -
Residential Single	4,200.00	\$ 8.50	\$ 35,700	760	\$ 7.50	\$ 5,700	\$ 41,400
Commercial	3.57	\$ -	\$ -	92	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	240	\$ 64.00	\$ 15,379	\$ 15,379
<b>Total</b>	<b>4,203.57</b>	<b>\$ 8.49</b>	<b>\$ 35,700</b>	<b>1,093</b>	<b>\$ 19.29</b>	<b>\$ 21,079</b>	<b>\$ 56,779</b>
<b>Current Month Actual</b>							
Residential Dual	-	n/a	\$ -	-	n/a	\$ -	\$ -
Residential Single	4,721.62	\$ 8.50	\$ 40,134	1,380	\$ 7.50	\$ 10,351	\$ 50,485
Commercial	14.17	\$ -	\$ -	148	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	413	\$ 64.00	\$ 26,433	\$ 26,433
<b>Total</b>	<b>4,735.79</b>	<b>\$ 8.47</b>	<b>\$ 40,134</b>	<b>1,941</b>	<b>\$ 18.95</b>	<b>\$ 36,784</b>	<b>\$ 76,917</b>
<b>Current Month Variance</b>							
Residential Dual	-	n/a	-	-	n/a	-	\$ -
Residential Single	521.62	-	4,434	620	-	4,651	\$ 9,085
Commercial	10.60	-	-	56	-	-	\$ -
Total Paid Residue	n/a	n/a	n/a	173	-	11,053	\$ 11,053
<b>Total</b>	<b>532.22</b>	<b>\$ (0.02)</b>	<b>\$ 4,434</b>	<b>848</b>	<b>-</b>	<b>\$ 15,704</b>	<b>\$ 20,138</b>

Year To Date Budget	Deliveries CSWS Sourced			Deliveries FCR Sourced			Total Revenue
	Tons	Rate	Revenue	Tons	Rate	Revenue	
Residential Dual	-	\$ 8.50	\$ -	-	\$ 7.50	\$ -	\$ -
Residential Single	46,000.00	\$ 8.50	\$ 391,000	9,260	\$ 7.50	\$ 69,450	\$ 460,450
Commercial	73.13	\$ -	\$ -	919	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	2,476	\$ 64.00	\$ 158,458	\$ 158,458
<b>Total</b>	<b>46,073.13</b>	<b>\$ 8.49</b>	<b>391,000.00</b>	<b>12,655</b>	<b>\$ 18.01</b>	<b>\$ 227,908</b>	<b>\$ 618,908</b>
<b>Year To Date Actual</b>							
Residential Dual	-	n/a	\$ -	-	n/a	\$ -	\$ -
Residential Single	53,521.66	\$ 8.50	\$ 454,934	9,643	\$ 7.50	\$ 72,321	\$ 527,255
Commercial	77.04	\$ -	\$ -	1,002	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	4,580	\$ 63.87	\$ 292,518	\$ 292,518
<b>Total</b>	<b>53,598.70</b>	<b>\$ 8.49</b>	<b>454,934.11</b>	<b>15,225</b>	<b>\$ 23.96</b>	<b>\$ 364,839</b>	<b>\$ 819,773</b>
<b>Year To Date Variance</b>							
Residential Dual	-	n/a	-	-	n/a	-	\$ -
Residential Single	7,521.66	-	63,934	383	-	2,871	\$ 66,805
Commercial	3.91	-	-	83	-	-	\$ -
Total Paid Residue	n/a	n/a	n/a	2,104	(0)	134,061	\$ 134,061
<b>Total</b>	<b>7,525.57</b>	<b>0.00</b>	<b>63,934.11</b>	<b>2,570</b>	<b>\$ 5.95</b>	<b>\$ 136,932</b>	<b>\$ 200,866</b>



CSWS Recycling Facility (Exports)

Period Ending:

May 31, 2017

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
Delivery Revenue	\$ 56,779	\$ 76,917	\$ 20,138	\$ 618,908	\$ 819,773	\$ 200,866
<b>Export Revenue</b>	<b>\$ 28,918</b>	<b>\$ 97,795</b>	<b>\$ 68,877</b>	<b>\$ 283,297</b>	<b>\$ 674,854</b>	<b>\$ 391,557</b>
Total	\$ 85,697	\$ 174,713	\$ 89,016	\$ 902,205	\$ 1,494,627	\$ 592,422
Total % Var.			104%			66%

Current Month Budget	Exports CSWS Sourced			Exports FCR Sourced			Export Revenue
	Tons	Rate	Revenue	Tons	Rate	Revenue	
Residential ONP	1,983.75	\$ -	\$ -	412	\$ -	\$ -	\$ -
Residential OCC	777.81	\$ 10.00	\$ 7,778	160	\$ 2.00	\$ 321	\$ 8,099
Residential Containers	1,254.63	\$ 15.00	\$ 18,969	311	\$ 3.00	\$ 932	\$ 19,902
Commercial	3.57	\$ 50.00	\$ 179	92	\$ 8.00	\$ 739	\$ 918
Total	4,029.76	\$ 6.68	\$ 26,926	976	\$ 2.04	\$ 1,992	\$ 28,918
<b>Current Month Actual</b>							
Residential ONP	1,874.92	\$ 14.00	\$ 26,249	548	\$ 2.80	\$ 1,535	\$ 27,783
Residential OCC	914.14	\$ 49.00	\$ 44,793	267	\$ 9.80	\$ 2,619	\$ 47,411
Residential Containers	1,134.78	\$ 15.48	\$ 17,566	332	\$ 3.10	\$ 1,027	\$ 18,593
Commercial	14.17	\$ 132.43	\$ 1,876	148	\$ 14.40	\$ 2,131	\$ 4,008
Total	3,938.01	\$ 22.98	\$ 90,484	1,295	\$ 5.65	\$ 7,311	\$ 97,795
<b>Current Month Variance</b>							
Residential ONP	(108.83)	\$ 14.00	26,249	136	\$ 2.80	1,535	\$ 27,783
Residential OCC	136.33	\$ 39.00	37,015	107	\$ 7.80	2,298	\$ 39,313
Residential Containers	(129.85)	\$ 0.48	(1,403)	21	\$ 0.10	95	\$ (1,309)
Commercial	10.60	\$ 82.43	1,698	56	\$ 6.40	1,392	\$ 3,090
Total	(91.75)	\$ 16.30	\$ 63,558	319	\$ 3.60	\$ 5,319	\$ 68,877

Year To Date Budget	Exports CSWS Sourced			Exports FCR Sourced			Total Revenue
	Tons	Rate	Revenue	Tons	Rate	Revenue	
Residential ONP	19,837.52	\$ -	\$ -	4,661	\$ -	\$ -	\$ -
Residential OCC	7,778.15	\$ 10.00	\$ 77,782	1,812	\$ 2.00	\$ 3,624	\$ 81,406
Residential Containers	12,158.85	\$ 15.00	\$ 182,383	2,833	\$ 3.00	\$ 8,499	\$ 190,882
Commercial	73.13	\$ 50.00	\$ 3,657	919	\$ 8.00	\$ 7,353	\$ 11,010
Total	39,847.65	\$ 6.62	\$ 263,821	10,225	\$ 1.90	\$ 19,476	\$ 283,297
<b>Year To Date Actual</b>							
Residential ONP	23,063.67	\$ 10.57	\$ 243,824	4,148	\$ 1.96	\$ 8,111	\$ 243,824
Residential OCC	10,141.45	\$ 29.29	\$ 297,068	1,812	\$ 5.61	\$ 10,158	\$ 297,068
Residential Containers	14,604.58	\$ 6.42	\$ 93,695	2,610	\$ 1.27	\$ 3,305	\$ 93,695
Commercial	77.04	\$ 99.73	\$ 7,684	1,002	\$ 10.99	\$ 11,010	\$ 7,684
Total	47,886.74	\$ 13.41	\$ 542,270	9,571	\$ 3.40	\$ 32,584	\$ 674,854
<b>Year To Date Variance</b>							
Residential ONP	3,226.15	\$ 10.57	243,824	(514)	\$ 1.96	8,111	\$ 251,934
Residential OCC	2,363.30	\$ 19.29	219,286	(0)	\$ 3.61	6,534	\$ 225,820
Residential Containers	2,445.73	\$ (8.58)	(88,687)	(223)	\$ (1.73)	(5,194)	\$ (93,881)
Commercial	3.91	\$ 49.73	4,027	83	\$ 2.99	3,657	\$ 7,684
Total	8,039.09	\$ 6.79	\$ 378,450	(654)	\$ 1.50	\$ 13,107	\$ 391,557

Period Ending:

May 31, 2017

**Metal Sales**

FY 2017	Budget			Actual			Variance Better (Worse) than Budget		
	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	1,862.50	\$ 94,583	\$ 50.78	1,683.09	\$ 55,930	\$ 33.11	(173.41)	\$ (38,553)	\$ (17.67)
August	1,862.50	\$ 94,583	\$ 50.78	1,930.28	\$ 61,026	\$ 31.62	67.78	\$ (33,557)	\$ (19.17)
September	1,862.50	\$ 94,583	\$ 50.78	1,816.38	\$ 50,145	\$ 27.61	(46.12)	\$ (44,439)	\$ (23.18)
October	1,862.50	\$ 94,583	\$ 50.78	1,490.40	\$ 31,132	\$ 20.89	(372.10)	\$ (63,451)	\$ (29.89)
November	1,862.50	\$ 94,583	\$ 50.78	1,826.80	\$ 63,185	\$ 34.59	(35.70)	\$ (31,399)	\$ (16.20)
December	1,862.50	\$ 94,583	\$ 50.78	1,393.92	\$ 64,638	\$ 46.37	(468.58)	\$ (29,945)	\$ (4.41)
January	1,862.50	\$ 94,583	\$ 50.78	1,321.54	\$ 90,662	\$ 68.60	(540.96)	\$ (3,922)	\$ 17.82
February	1,862.50	\$ 94,583	\$ 50.78	1,580.94	\$ 76,717	\$ 48.53	(281.56)	\$ (17,866)	\$ (2.26)
March	1,862.50	\$ 94,583	\$ 50.78	1,909.14	\$ 115,561	\$ 60.53	46.64	\$ 20,978	\$ 9.75
April	1,862.50	\$ 94,583	\$ 50.78	1,787.35	\$ 96,905	\$ 54.22	(75.15)	\$ 2,322	\$ 3.43
May	1,862.50	\$ 94,583	\$ 50.78	1,841.37	\$ 99,390	\$ 53.98	(21.13)	\$ 4,806	\$ 3.19
June	1,862.50	\$ 94,583	\$ 50.78	-	\$ -	n/a	n/a	n/a	n/a
YTD	20,487.50	\$ 1,040,417	\$ 50.78	13,587.21	\$ 805,291	\$ 43.32	(1,900.29)	\$ (235,126)	\$ (7.46)

**Excess Ferrrous Residue**

FY 2017	Budget			Actual			Variance Better (Worse) than Budget		
	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	158.70	\$ 6,348	\$ 40.00	292.30	\$ 11,692	\$ 40.00	133.60	5,344.00	\$ -
August	209.30	\$ 8,372	\$ 40.00	293.10	\$ 11,724	\$ 40.00	83.80	3,352.00	\$ -
September	204.70	\$ 8,188	\$ 40.00	253.11	\$ 10,124	\$ 40.00	48.41	1,936.40	\$ -
October	193.20	\$ 7,728	\$ 40.00	119.77	\$ 4,791	\$ 40.00	(73.43)	(2,937.20)	\$ -
November	200.10	\$ 8,004	\$ 40.00	267.87	\$ 10,715	\$ 40.00	67.77	2,710.80	\$ -
December	197.80	\$ 7,912	\$ 40.00	246.11	\$ 9,844	\$ 40.00	48.31	1,932.40	\$ -
January	149.50	\$ 5,980	\$ 40.00	88.75	\$ 3,550	\$ 40.00	(60.75)	(2,430.00)	\$ -
February	144.90	\$ 5,796	\$ 40.00	-	\$ -	n/a	(144.90)	(5,796.00)	n/a
March	225.40	\$ 9,016	\$ 40.00	269.74	\$ 10,790	\$ 40.00	44.34	1,773.60	\$ -
April	218.50	\$ 8,740	\$ 40.00	257.46	\$ 10,298	\$ 40.00	38.96	1,558.29	\$ -
May	172.50	\$ 6,900	\$ 40.00	361.98	\$ 14,479	\$ 40.00	189.48	7,579.20	\$ -
June	225.40	\$ 9,016	\$ 40.00	-	\$ -	n/a	-	-	-
YTD	2,074.60	\$ 82,984.00	\$ 40.00	2,450.13	\$ 98,007.49	\$ 40.00	375.59	15,023.49	\$ -

**Total Metal Sales and Excess Residue**

FY 2017	Budget			Actual			Variance Better (Worse) than Budget		
	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	2,021.20	100,931	\$ 49.94	1,981.39	67,622.25	\$ 34.13	(39.81)	(33,309.08)	(15.81)
August	2,071.80	102,955	\$ 49.69	2,223.38	72,750.33	\$ 32.72	151.58	(30,205.00)	(16.97)
September	2,067.20	102,771	\$ 49.72	2,069.49	80,268.96	\$ 29.12	2.29	(42,502.37)	(20.59)
October	2,055.70	102,311	\$ 49.77	1,610.17	35,922.96	\$ 22.31	(445.53)	(66,388.37)	(27.46)
November	2,062.60	102,587	\$ 49.74	2,094.67	73,899.38	\$ 35.28	32.07	(28,687.95)	(14.46)
December	2,060.30	102,495	\$ 49.75	1,640.03	74,482.47	\$ 45.42	(420.27)	(28,012.86)	(4.33)
January	2,012.00	100,563	\$ 49.98	1,410.29	94,211.73	\$ 66.80	(601.71)	(6,351.60)	16.82
February	2,007.40	100,379	\$ 50.00	1,580.94	76,716.97	\$ 48.53	(426.46)	(23,662.36)	(1.48)
March	2,087.90	103,599	\$ 49.62	2,178.88	126,351.02	\$ 57.99	90.98	22,751.69	8.37
April	2,081.00	103,323	\$ 49.65	2,044.81	107,203.27	\$ 52.43	(36.19)	3,879.94	2.78
May	2,035.00	101,483	\$ 49.87	2,203.35	113,868.89	\$ 51.68	168.35	12,385.56	1.81
June	2,087.90	103,599	\$ 49.62	-	\$ -	n/a	-	-	-
YTD	22,562.10	1,123,401	\$ 49.79	21,037	903,298	\$ 42.94	(1,524.70)	(220,102.44)	(6.85)

Property Division Monthly Financial Report

Period Ending: May 31, 2017

REVENUES	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
<b>Jets Electric:</b>								
Capacity Payments	\$ 479,528	\$ 462,906	\$ (16,622)	-3%	\$ 5,274,808	\$ 5,061,858	\$ (212,950)	-4%
VARS Payments	\$ 4,014	\$ 3,521	\$ (493)	-12%	\$ 44,154	\$ 78,403	\$ 34,249	78%
Reserve Credits	\$ 50,000	\$ 270,666	\$ 220,666	441%	\$ 550,000	\$ 1,038,785	\$ 488,785	89%
Real Time Energy	\$ 19,916	\$ 57,813	\$ 37,902	190%	\$ 219,076	\$ 459,070	\$ 239,994	110%
Total Jets Electric	\$ 553,458	\$ 794,911	\$ 241,453	44%	\$ 6,088,038	\$ 6,638,117	\$ 550,079	9%
<b>Lease Income:</b>								
CSWS Murphy Road	\$ 10,608	\$ 10,608	\$ -	0%	\$ 116,692	\$ 116,692	\$ -	0%
Golf Center	\$ 1,513	\$ 1,513	\$ -	0%	\$ 16,638	\$ 16,638	\$ -	0%
Wheelabrator Lease	\$ 35,946	\$ 35,946	\$ -	0%	\$ 395,402	\$ 395,402	\$ -	0%
Jets Billboard	\$ -	\$ -	\$ -	n/a	\$ 45,350	\$ 45,350	\$ -	0%
Total Lease Income	\$ 48,067	\$ 48,067	\$ -	0%	\$ 574,082	\$ 574,082	\$ -	0%
South Central Facility Capacity	\$ 5,083	\$ -	\$ (5,083)	n/a	\$ 55,913	\$ -	\$ (55,913)	n/a
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ 1,908	\$ 1,908	n/a
Interest Income	\$ -	\$ -	\$ -	n/a	\$ 7,500	\$ 27,663	\$ 20,163	269%
TOTAL ACCRUED REVENUES	\$ 606,608	\$ 842,978	\$ 236,370	39%	\$ 6,725,533	\$ 7,241,770	\$ 516,237	8%
<b>EXPENDITURES</b>								
MIRA Non-Personnel Services	\$ 19,727	\$ 12,558	\$ 7,169	36%	\$ 225,997	\$ 176,623	\$ 49,374	22%
MIRA Personnel Services	\$ 57,806	\$ 46,089	\$ 11,717	20%	\$ 694,371	\$ 576,344	\$ 118,027	17%
Railroad Maintenance	\$ 833	\$ -	\$ 833	n/a	\$ 9,163	\$ 9,551	\$ (388)	-4%
211 Murphy Road Ops. Center	\$ 16,333	\$ 5,237	\$ 11,096	68%	\$ 179,663	\$ 114,703	\$ 64,960	36%
1410 Honey Spot Road	\$ 7,250	\$ -	\$ 7,250	n/a	\$ 79,750	\$ 20,054	\$ 59,696	75%
171 Murphy Road	\$ 2,913	\$ 797	\$ 2,116	73%	\$ 32,043	\$ 20,195	\$ 11,848	37%
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
South Central Facility Operating C	\$ 5,083	\$ -	\$ 5,083	n/a	\$ 55,913	\$ -	\$ 55,913	n/a
Jets Operating Charges	\$ 182,859	\$ 176,295	\$ 6,564	4%	\$ 2,013,751	\$ 1,524,016	\$ 489,735	24%
TOTAL ACCRUED EXPENDITURES	\$ 292,804	\$ 240,976	\$ 51,828	18%	\$ 3,290,651	\$ 2,441,486	\$ 849,166	26%
<b>OPERATING INCOME</b>								
(Before Reserves / Transfers)	\$ 313,804	\$ 602,002	\$ 288,198	92%	\$ 3,434,882	\$ 4,800,284	\$ 1,365,403	40%
<b>DISTRIBUTION OF PD OPERATING INCOME</b>								
PD Improvement Fund	\$ -	\$ -	\$ -	n/a	\$ 870,833	\$ 745,506	\$ (125,327)	-14%
TOTAL DISTRIBUTIONS	\$ -	\$ -	\$ -	n/a	\$ 870,833	\$ 745,506	\$ (125,327)	-14%
<b>SURPLUS / (DEFICIT)</b>	\$ 313,804	\$ 602,002	\$ 288,198	92%	\$ 2,564,048	\$ 4,054,778	\$ 1,490,730	58%



Property Division and CSWS Flow of Funds

Period Ending: May 31, 2017  
 Transfer Date: June 8, 2017  
 Funding: July 2017

Property Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 1,000.00		\$ 535,795.50		\$ 535,795.50	\$ 1,000.00
<b>Property Division Disbursements</b>						
Property Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating Fund	\$ 2,216,517.61	\$ 1,517.88	\$ 240,453.82	\$ 11,368.24	\$ 80,910.12	\$ 2,069,860.03
PD General Fund	\$ 6,460,841.35	\$ 4,585.74				\$ 6,465,427.09
PD Improvement Fund	\$ 16,797.91			\$ 10,282.26		\$ 27,080.17
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ 454,885.38	Combined Below
<b>Total</b>	<b>\$ 8,694,156.87</b>	<b>\$ 6,103.62</b>	<b>\$ 240,453.82</b>	<b>\$ 21,650.50</b>	<b>\$ 535,795.50</b>	<b>\$ 8,562,367.29</b>
<b>CSWS Division Receipts</b>						
CSWS Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 40,000.00		\$ 4,372,235.54		\$ 4,372,235.54	\$ 40,000.00
<b>CSWS Division Disbursements</b>						
CSWS Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating STIF	\$ 10,317,950.21	\$ 7,057.98	\$ 3,308,169.93		\$ 4,026,750.02	\$ 11,043,598.28
Debt Service Fund	\$ 3,875.01					\$ 3,875.01
General Fund	\$ 1,043.71	\$ 0.67				\$ 1,044.38
CSWS Risk Fund	\$ 444,884.73	\$ 315.77				\$ 445,200.50
CSWS Legal Fund	\$ 605,364.30	\$ 429.64				\$ 605,793.94
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ 345,473.52	Combined Below
<b>Total</b>	<b>\$ 11,373,117.96</b>	<b>\$ 7,804.06</b>	<b>\$ 3,308,169.93</b>	<b>\$ -</b>	<b>\$ 4,372,235.54</b>	<b>\$ 12,099,512.11</b>
<b>Combined</b>						
Severance Fund	\$ 721,755.61	\$ 512.26				\$ 722,267.87
CSWS Improvement Fund	\$ 1,430,529.72		\$ 308,787.00	\$ 101,423.74		\$ 1,123,166.46
CSWS Tip Fee Stabilization	\$ 1,195,063.12	\$ 1,072.46			\$ 800,360.90	\$ 1,996,496.48
<b>Other Division Balances</b>						
Other Division Balances	Beginning Balance	Interest [+]	Receipts [+]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
General Fund Checking	\$ 998,992.81		\$ 187,032.64	\$ 210,689.39		\$ 975,336.06
Landfill Operating Account	\$ 3,332,444.25		\$ 37,026.39	\$ 116,895.40		\$ 3,252,575.24

Mark T. Daley, Chief Financial Officer

Ending balances include the fund transfers represented on this flow of funds as a distribution. Excludes receipt of customer security deposits / guarantees of payment, Mid-Connecticut and Southeast reserves not subject to disbursement or funding in accordance with adopted flow of funds. The PD Operating Fund received the final AMEC utilities reimbursement of \$11,368.24 as part of the sale of 1410 Honeyspot road. The PD Improvement fund received \$10,282.26 and the CSWS Improvement fund received \$101,423.74 as part of the NAES quarterly capital true-up. At the beginning of January, CSWS received \$7,579,550 in prepaid tip fees from waste haulers. This revenue flowed to the CSWS Operating STIF account and was used to reimburse the Tip Fee Stabilization Fund. As of May 31, 2017, \$4,269,402 in prepaid tip fees have been applied to pay customer invoices and \$3,310,148 remained available on customer accounts. After the distribution of May receipts, \$13,693,841 remained due to the Tip Fee Stabilization Fund from CSWS. YTD \$3,623,168.67 has been contributed to the CSWS Tip Fee Stabilization reserve from receipts. Due to resources available in the Tip Fee Stabilization Fund, all capital contributions have been deferred for one month and additional contributions will be made in subsequent flow of funds movements as resources allow. To date \$15,833 of PD Improvement fund and \$3,500,000 of CSWS Improvement Fund contributions are deferred.



**Materials Innovation and Recycling Authority  
 FY 2017 Board of Directors Financial Report  
 CSWS Improvement Fund Status**

*Narrative*

Period Ending:

**May 31, 2017**

<b>Budget Analysis</b>		
Adopted Annual CSWS Contribution <sup>(1)</sup>		\$ 10,320,705
Adopted PD General Fund Transfer <sup>(2)</sup>		\$ -
Total Contributions		\$ 10,320,705
Less: Year to Date Purchase Orders:		
Waste Processing Facility	\$ 908,357	
Power Block Facility	\$ 8,536,910	
Recycling	\$ 6,754	
Transfer Stations		
Rolling Stock		
True Up Amounts Returned		
Total Net YTD Purchase Orders		\$ 9,452,021
Equals: Unencumbered Year to Date Budget		
		\$ 868,684

<b>Cash Reserve Analysis</b>		
Period End Improvement Fund Cash Balance		\$ 1,123,166
+ FY Remaining Contributions*		
- Approved Expenditures Not Paid		
- Unencumbered Budget (-)	\$ (868,684)	
Projected Year End Improvement Fund Balance		\$ 254,482
Period End Debt Service Fund Cash Balance <sup>(3)</sup>		\$ 3,875
+ FY Remaining Contributions	\$ -	
Projected Year End Debt Service Fund Balance		\$ 3,875
Projected Year End Carry Forward		\$ 258,357

<b>Reconciliation To Flow Of Funds Statement</b>		
Period End Improvement Fund Cash Balance		\$ 1,123,166
Funding Due From Period End Receipts*		
Flow of Funds Statement Balance*		\$ 1,123,166

\*All FY 2017 transfers completed. Excludes FY 2018 transfers.

<sup>(1)</sup> Represents the initial annual adopted budget for CSWS contributions to the CSWS Improvement Fund of \$10,320,705.

<sup>(2)</sup> The FY 2017 adopted budgets do not include a transfer of funds from Property Division General Fund to CSWS Improvement Fund.

<sup>(3)</sup> Funds were required for payment of final FY 2015 turbine outage expense.

Materials Innovation and Recycling Authority  
 FY 2017 Board of Directors Financial Report

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Segmented Income Statement

Period Ending: May 31, 2017

	Connecticut		Mid-Connecticut Project	Southeast Project	Property Division		Lanfill Division	Eliminations	Total
	General Fund	Solid Waste System			Division	Division			
<b>Operating Revenues</b>									
Service charges:									
Members	\$	21,964	\$	\$				\$	21,964
Others		14,333							14,333
Energy sales		11,541			6,638	(37)			18,142
Other operating revenues		2,481			459	-			2,940
<b>Total Operating Revenues</b>		50,319			7,097	(37)			57,379
<b>Operating Expenses</b>									
Solid waste operations		43,645	17		1,545	39		(735)	46,511
Maintenance and utilities		791			545	103			1,439
Legal services - external		58	1,436	18	30	25			1,567
Administrative and Operational services	76	3,532	197		576	92			5,573
Distribution to SCRRA									
<b>Total Operating Expenses</b>	76	50,026	1,650	18	2,696	259		(735)	55,090
<b>Operating Income (Loss) before Depreciation and Amortization</b>	(76)	293	(1,650)	(18)	4,401	(296)		735	2,289
Depreciation and amortization	22	-	103	-	16,474	-			16,599
<b>Operating Income (Loss)</b>	(94)	293	(1,753)	(18)	(12,073)	(296)		735	(14,310)
<b>Non-Operating Revenues (Expenses)</b>									
Investment income	16	47	53	4	28				142
Settlement costs									
Other income (expenses)					2,551				2,551
<b>Non-Operating Revenues (Expenses), net</b>	10	47	53	4	2,559				2,673
Income (Loss) before Transfers	(88)	340	(1,700)	(14)	(9,514)	(296)		735	(11,637)
Transfers in (out)		(9,989)			10,724			(735)	
Change in Net Position	(88)	(9,649)	(1,700)	(14)	1,210	(296)			(10,537)
<b>Total Net Position, beginning of period</b>	1,831	14,827	9,808	1,085	94,953	19,556			142,060
<b>Total Net Position, end of period</b>	\$ 1,743	\$ 5,178	\$ 8,108	\$ 1,071	\$ 96,163	\$ 19,260	\$		\$ 131,523
<b>RECONCILIATION TO VARIANCE REPORT</b>									
Add: Expenses paid from reserves	76				316				392
Add revenue: Murphy road lease					117				117
Less expense: Murphy road lease		117							117
Add: Amortization	22				16,474				16,496
Less: GAAP Exp (Deferred for Budget)									
add: Spare parts and fuel inventory adjustment									
add: Capitalized expenses net of asset disposals	(10)				(62)				(116)
Add: rounding					(2,531)				(2,541)
<b>Operating Income (Loss) per Variance report</b>		277		(14)	4,800				5,063

In s. with 1913 financials, tab

In s. with 1913 financials, tab

Note: Monthly variance report produced for General Fund, Property Division and CSWS only

Note: Eliminations are preliminary amount.

**THE AUTHORITY - FINANCIAL RESULTS**

*For the Period Ending May 31, 2017*

Line	DETAILS	MONTH TO DATE				YEAR TO DATE			
		Budget	Actual	Variance		Budget	Actual	Variance	
<b>EXPENDITURES</b>									
<b>PERSONNEL SERVICES ALLOCATION</b>									
1	Total Personnel Services	\$ 351,241	\$ 329,138	\$ 22,103	6.29%	\$ 4,219,167	\$ 3,882,368	\$ 336,798	7.98%
2	LESS: MIRA Direct Personnel	\$ 138,418	\$ 99,253	\$ 39,165	28.29%	\$ 1,662,705	\$ 1,175,444	\$ 487,261	29.31%
<b>AUTHORITY BUDGET</b>									
3	Authority Indirect Personnel	\$ 212,823	\$ 229,885	\$ (17,062)	-8.02%	\$ 2,556,461	\$ 2,706,925	\$ (150,463)	-5.89%
4	ADD: Authority Indirect Non-Personnel Services	\$ 93,471	\$ 24,561	\$ 68,910	73.72%	\$ 1,122,790	\$ 534,952	\$ 587,838	52.36%
5	LESS: Miscellaneous Income	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 4,873	\$ (4,873)	0.00%
	<b>SUBTOTAL AUTHORITY BUDGET</b>	<b>\$ 306,294</b>	<b>\$ 254,446</b>	<b>\$ 51,848</b>	<b>16.93%</b>	<b>\$ 3,679,251</b>	<b>\$ 3,237,004</b>	<b>\$ 442,248</b>	<b>12.02%</b>
<b>TOTAL ALLOCATION</b>									
6	Mid-Connecticut Post Project Closure	\$ 18,715	\$ 15,547	\$ 3,168	16.93%	\$ 224,802	\$ 197,782	\$ 27,020	12.02%
7	Property Division	\$ 56,488	\$ 46,089	\$ 10,399	18.41%	\$ 678,539	\$ 576,343	\$ 102,196	15.06%
8	Landfill Division	\$ 10,046	\$ 8,346	\$ 1,700	16.93%	\$ 120,679	\$ 106,174	\$ 14,505	12.02%
9	Connecticut Solid Waste System (CSWS)	\$ 359,464	\$ 283,717	\$ 75,747	21.07%	\$ 4,317,936	\$ 3,532,147	\$ 785,789	18.20%
	<b>SUBTOTAL TOTAL ALLOCATED</b>	<b>\$ 444,712</b>	<b>\$ 353,699</b>	<b>\$ 91,013</b>	<b>20.47%</b>	<b>\$ 5,341,957</b>	<b>\$ 4,412,447</b>	<b>\$ 929,510</b>	<b>17.40%</b>

**Line YTD VARIANCE EXPLANATION**

- 1 Reflects total amount for MIRA Direct and Authority Indirect Personnel; Favorable due to reduction in budgeted positions.
- 2 Favorable due to reduction in budgeted positions and benefits costs being charged 100% to the Authority budget.
- 4 Favorable due to lower than budgeted customer service, IT and other consulting services, legal fees, and operational contingency; and timing of IT maintenance and auditor fees.



Government Finance Officers Association  
203 North LaSalle Street, Suite 2700  
Chicago, Illinois 60601-1210  
312.977.9700 fax: 312.977.4806

June 27, 2017

Mark Daley  
Chief Financial Officer  
Materials Innovation & Recycling Authority  
200 Corporate Place, Room 202  
Rocky Hill, CT 06067

Dear Mr. Daley:

We are pleased to notify you that your 2016 fiscal year end comprehensive annual financial report (CAFR) qualifies for GFOA's Certificate of Achievement for Excellence in Financial Reporting. The Certificate of Achievement is the highest form of recognition in governmental accounting and financial reporting, and its attainment represents a significant accomplishment. Congratulations for having satisfied the high standards of the program. We hope that your example will encourage others in their efforts to achieve and maintain an appropriate standard of excellence in financial reporting.

A "Summary of Grading" form and a confidential list of comments and suggestions for possible improvements are enclosed. It is strongly encouraged the recommended improvements be implemented into the next report and the report be submitted to the program within six months of your next fiscal year end. Certificate of Achievement Program policy requires that written responses to the comments and suggestions for improvement accompany the next fiscal year's submission. The written responses should provide details about how each item is addressed within this report. These responses will be provided to those Special Review Committee members participating in the review. If a comment is unclear or there appears to be a discrepancy, please contact the Technical Services Center at (312) 977-9700 and ask to speak with a Certificate of Achievement Program in-house reviewer.

When a Certificate of Achievement is awarded to a government, an Award of Financial Reporting Achievement (AFRA) is also presented to the individual(s) or department designated by the government as primarily responsible for its having earned the Certificate. An AFRA is enclosed for the preparer as designated on the application.

Continuing participants will find a Certificate and brass medallion enclosed with these results. First-time recipients will find a Certificate enclosed with these results and will receive a plaque in about 10 weeks. You may arrange for a formal presentation of the Certificate and Award of Financial Reporting Achievement, and we hope that appropriate publicity will be given to this notable achievement. A sample news release has been enclosed.

A current holder of a Certificate of Achievement may include a reproduction of the Certificate in its immediately subsequent CAFR. A camera-ready copy of your Certificate is enclosed for that purpose. If you reproduce your Certificate in your next report, please refer to the enclosed instructions. A Certificate of Achievement is valid for a period of one year.

A Certificate of Achievement Program application is posted on GFOA's website. This application must be completed and accompany your next submission. See sections III and IV of the application for instructions. **The entity's GFOA membership number appears on the attached comments and must be listed on the application.** Your continued interest in and support of the Certificate of Achievement Program is most appreciated. If we may be of any further assistance, please contact the Technical Services Center at (312) 977-9700.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Buikema". The signature is fluid and cursive.

Todd Buikema  
Acting Director, Technical Services Center





Government Finance Officers Association

**Certificate of  
Achievement  
for Excellence  
in Financial  
Reporting**

Presented to

**Materials Innovation & Recycling  
Authority, Connecticut**

For its Comprehensive Annual  
Financial Report  
for the Fiscal Year Ended

**June 30, 2016**

Executive Director/CEO



The Government Finance Officers Association  
of the United States and Canada

presents this

# AWARD OF FINANCIAL REPORTING ACHIEVEMENT

to

**Accounting and Finance Department**  
Materials Innovation & Recycling Authority, Connecticut



*The award of Financial Reporting Achievement is presented by the Government Finance Officers Association to the individual(s) designated as instrumental in their government unit achieving a Certificate of Achievement for Excellence in Financial Reporting. A Certificate of Achievement is presented to those government units whose annual financial reports are judged to adhere to program standards and represents the highest award in government financial reporting.*

Executive Director

A handwritten signature in black ink, appearing to read 'Jeffrey R. Egan'.

Date June 27, 2017

## **TAB B**

# MATERIALS INNOVATION AND RECYCLING AUTHORITY

## Monthly Operational Summary

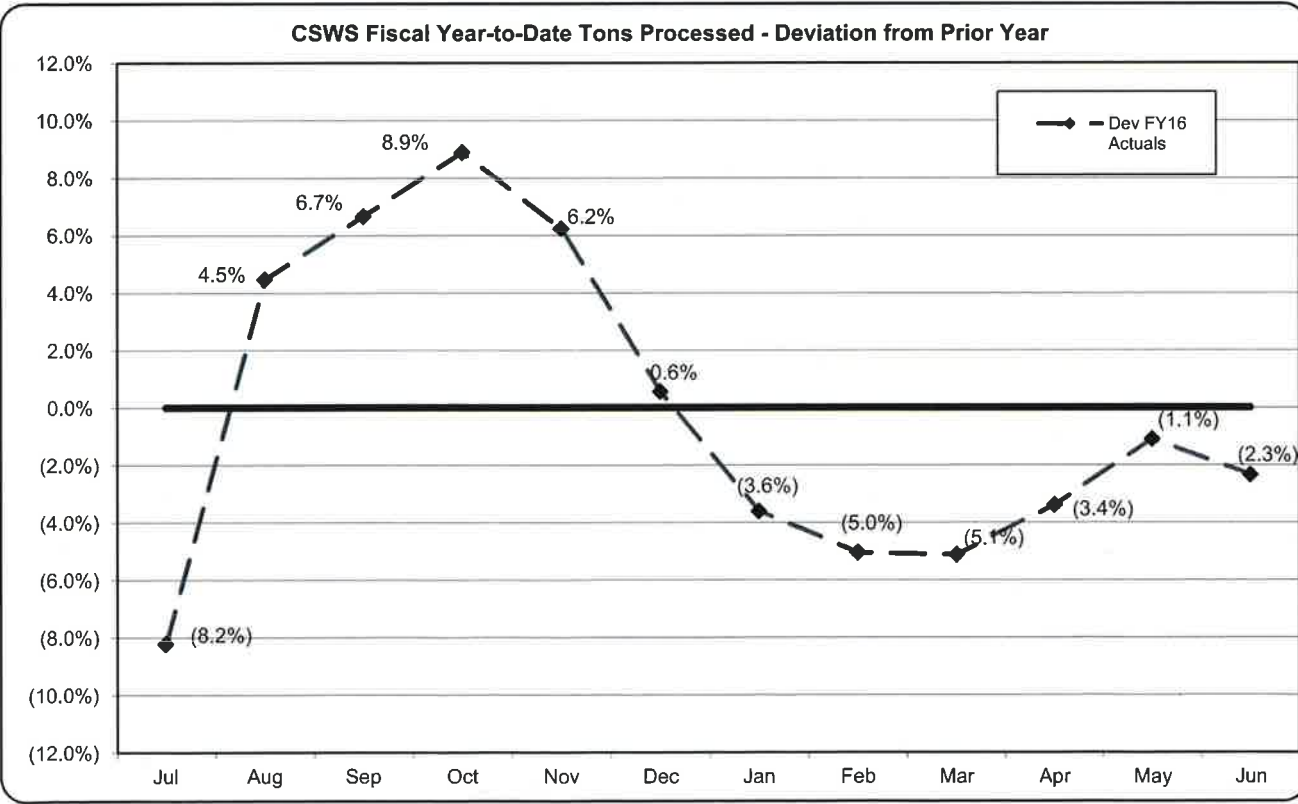
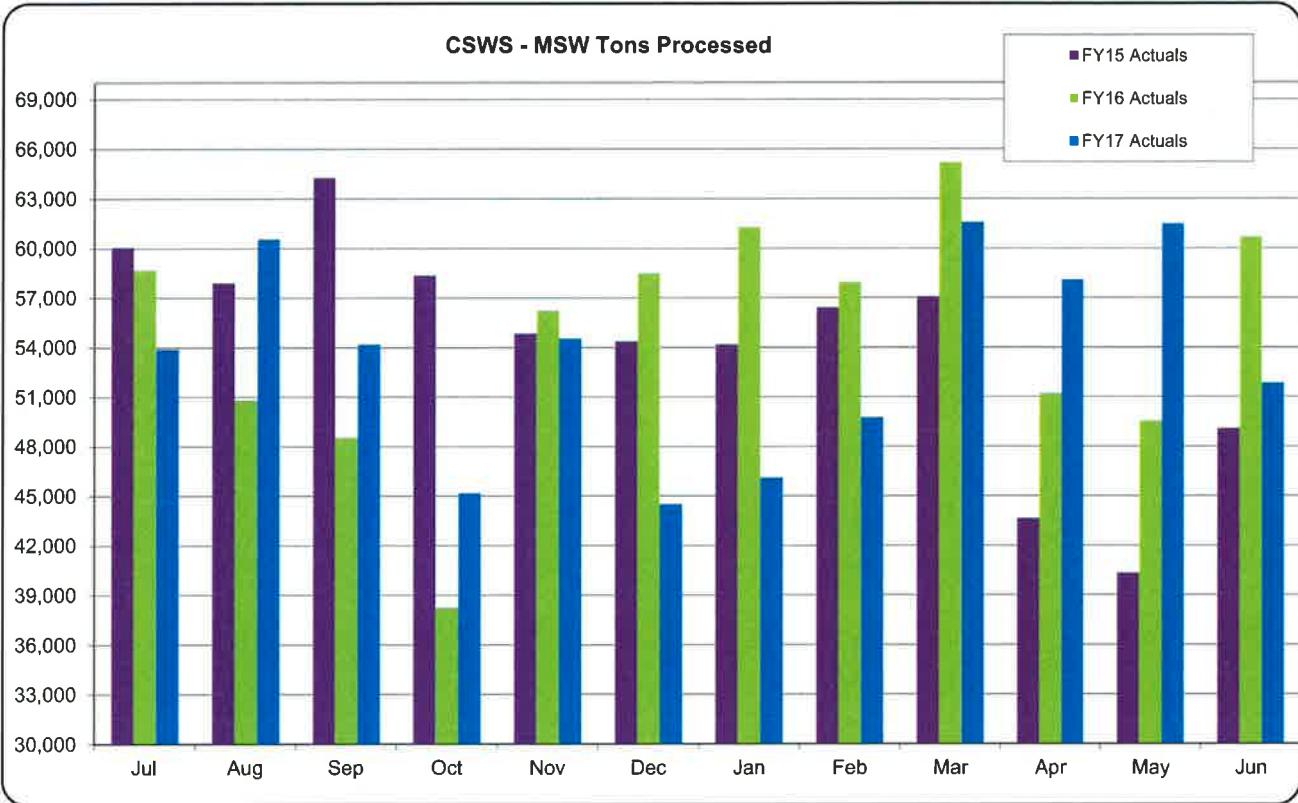
June-17

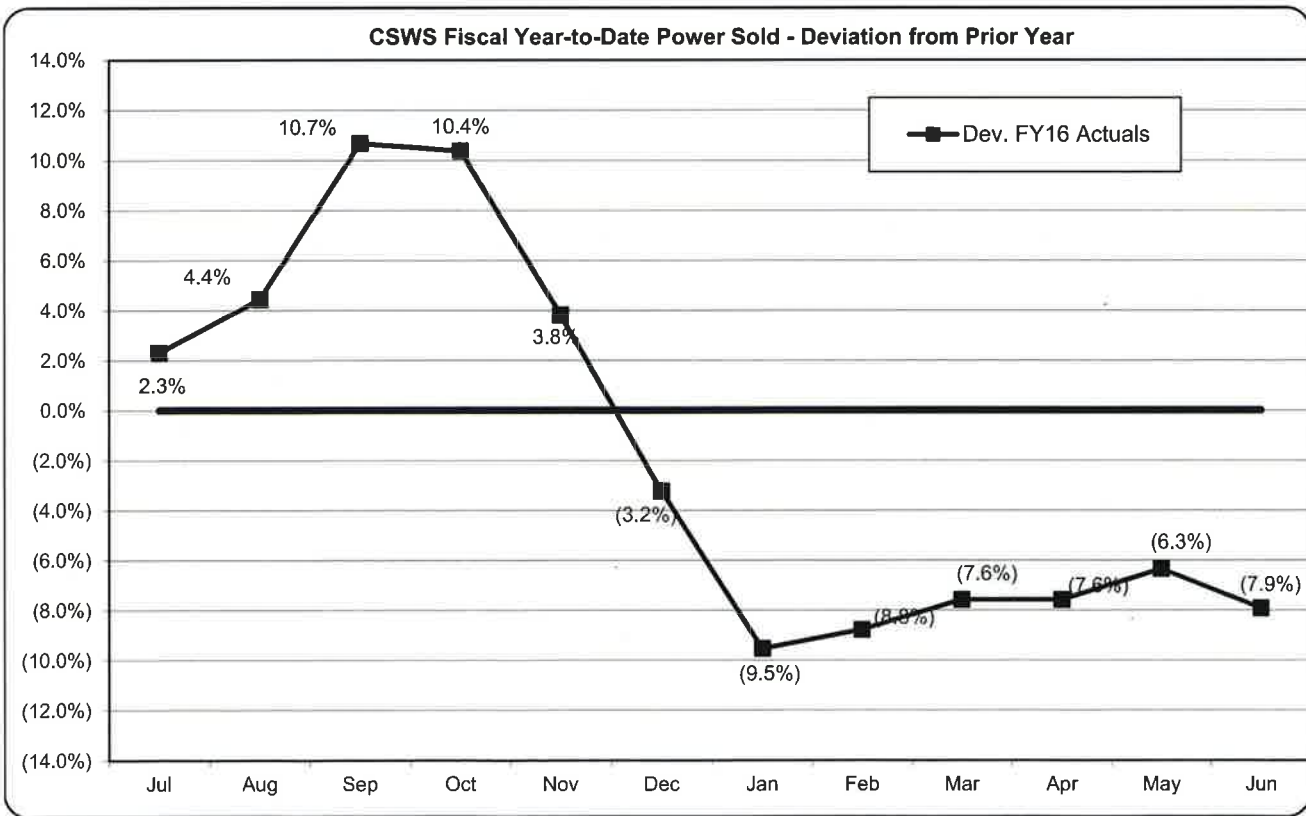
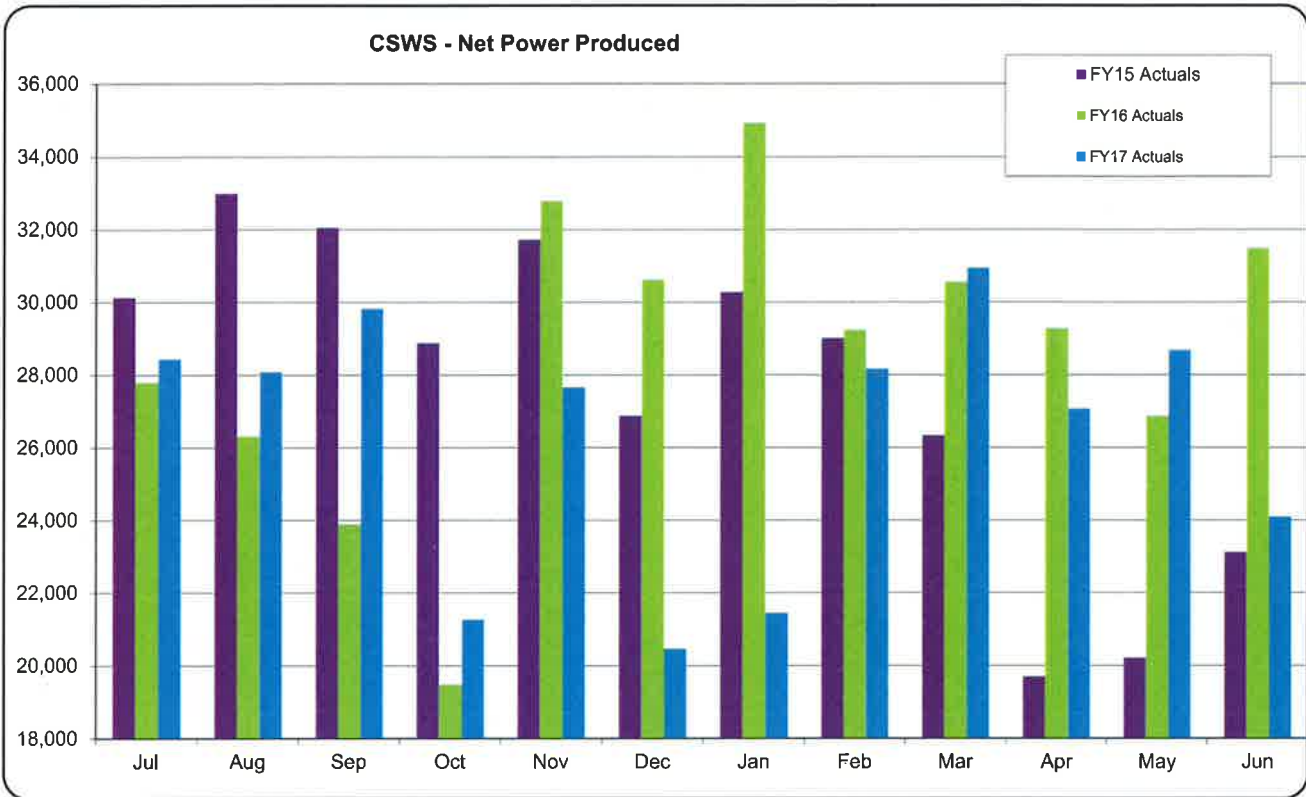
This report provides information on the operations of the CSWS waste-to-energy plant along with the South Meadows Jets. The following table provides a summary of key operating parameters.

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Change	2016	2017	Change	Jun 16	Jun 17	Change
<b>CSWS</b>									
Tons MSW Processed	650,642	656,915	1.0%	656,915	641,541	(2.3%)	60,691	51,826	(14.6%)
Steam (klbs)	4,125,108	4,324,840	4.8%	4,324,840	4,082,029	(5.6%)	403,609	303,759	(24.7%)
(% MCR)	68.0%	71.2%		71.0%	67.2%		80.9%	60.9%	
Power Net MWhr)	331,356	343,284	3.6%	343,284	316,092	(7.9%)	31,488	24,090	(23.5%)

<b>South Meadow Jets</b>									
Net MWH	1,837	1,635	(11.0%)	1,635	1,298	(20.6%)	22	0	(100.0%)







## CSWS Waste to Energy Plant Monthly Operational Summary

### Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Jul 16	70%	71%	79%
Aug 16	73%	74%	73%
Sep 16	73%	75%	89%
Oct 16	54%	48%	61%
Nov 16	56%	92%	67%
Dec 16	47%	67%	48%
Jan 17	38%	62%	66%
Feb 17	85%	74%	62%
Mar 17	74%	68%	80%
Apr 17	38%	75%	91%
May 17	79%	57%	73%
Jun 17	77%	43%	63%

### Unscheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
07/01/16	07/01/16	11	11.00	Fuel Feed Problems
07/02/16	07/03/16	12	0.20	Broken Coupling
07/05/16	07/09/16	11	24.20	Unscheduled Cold Iron
07/05/16	07/09/16	12	12.80	Unscheduled Cold Iron
07/05/16	07/09/16	13	18.60	Unscheduled Cold Iron
07/16/16	07/17/16	12	8.10	Low drum level
07/16/16	07/19/16	13	73.00	Plugged baghouse compartments
07/16/16	07/17/16	12	8.10	Low drum level
07/16/16	07/19/16	13	73.00	Plugged baghouse compartments
08/02/16	08/02/16	13	3.00	Pans w/flat tires
08/09/16	08/10/16	11	25.70	Unscheduled Cold Iron
08/09/16	08/10/16	12	22.60	Unscheduled Cold Iron
08/09/16	08/11/16	13	43.10	Unscheduled Cold Iron
08/15/16	08/15/16	11	3.40	Fuel Feed Problems
08/15/16	08/19/16	12	50.10	Air Heater Tube Leak
08/22/16	08/22/16	11	15.60	Auger Drive coupling bad
08/25/16	08/25/16	12	1.40	Air Heater Tube Leak
08/27/16	08/31/16	11	83.00	Waterwall and tube leaks
08/31/16	08/31/16	12	0.10	Auger screw bearing and Air Heater Plug
08/31/16	08/31/16	13	22.90	SSC Repairs
09/01/16	09/03/16	12	63.20	Auger screw bearing and Air Heater Plug/Sleeving, Outlet damper
09/01/16	09/01/16	13	15.00	Broken Grate, SSC derailed
09/07/16	09/08/16	12	29.70	Outlet damper
09/21/16	09/21/16	12	9.90	RDF Feed chute
09/28/16	09/30/16	11	51.90	PSH & SSH Leaks
09/29/16	09/30/16	13	27.60	Waterwall leak
10/01/16	10/03/16	11	61.00	PSH & SSH Leaks
10/01/16	10/01/16	13	13.10	Waterwall leak
10/06/16	10/07/16	11	8.40	S02 Removal-Debris in slurry piping
10/23/16	10/26/16	13	67.90	Rear Waterwall Tube Leak
10/24/16	10/27/16	11	84.20	15K Superheater leak
11/03/16	11/03/16	11	0.30	Hotwell level issue

## Unscheduled Downtime Continued

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
11/22/16	11/22/16	11	1.40	Reduced Airflow
11/29/16	11/30/16	11	37.90	PSH & SSH Tube Leaks
11/16/16	11/16/16	12	5.10	Cold Iron after RDF Plug
11/02/16	11/02/16	13	8.90	Rack Failure
11/16/16	11/17/16	13	29.20	Cold Iron after RDF plug and minor grate repair
11/21/16	11/22/16	13	26.10	Waterwall Tube Leak
11/25/16	11/27/16	13	38.00	Derailed SSC and "A" furnace grate
12/01/16	12/03/16	11	58.10	PSH & SSH Tube Leaks
12/09/16	12/10/16	11	14.50	TG#6 exciter collector ring bushing fire
12/11/16	12/14/16	11	83.90	PSH & SSH Tube Leaks
12/15/16	12/15/16	11	4.00	High baghouse delta P
12/26/16	12/31/16	11	129.30	ruptured SSH Tube & high baghouse delta P
12/05/16	12/10/16	12	132.10	Broken "A" Grate down in SSC
12/11/16	12/11/16	13	13.10	Airflow restricted-high baghouse delta P
12/28/16	12/31/16	13	57.00	High baghouse delta P
01/01/17	01/04/17	11	96.00	ruptured SSH Tube & high baghouse delta P
01/05/17	01/06/17	11	22.00	Waterwall Tube Leak
01/24/17	01/25/17	11	24.00	Failed Induced Draft Fan
01/26/17	01/28/17	12	50.00	Waterwall Tube Leak
01/01/17	01/02/17	13	35.80	High baghouse delta P
01/01/17	01/08/17	13	127.30	B&C Furnace Grate Chain Failure
01/09/17	01/09/17	13	1.10	RDF Distribution Spout
01/31/17	01/31/17	13	24.00	Waterwall & minor SSH leaks
02/04/17	02/04/17	11	19.70	Missing Grate Bar on "B" Grate
02/13/17	02/13/17	11	1.20	Reduce load due to RDF Inventory
02/28/17	02/28/17	11	3.00	Reduce load due to Steam Turbine. Derail of ash Conveyor SSC
02/17/17	02/18/17	12	0.70	Wet RDF. Holes in inlet duct/Treed bags
02/26/17	02/24/17	12	60.10	Waterwall and SSH Tube Leaks
02/01/17	02/01/17	13	22.00	Waterwall and minor SSH leaks
02/06/17	02/06/17	13	0.10	High baghouse delta P
02/20/17	02/21/17	13	14.10	Wet RDF. RDF Fuel train feed loss
03/01/17	03/02/17	11	44.10	Derailed ash conveyor SSC feedwater station by-pass line repairs
03/05/17	03/06/17	11	8.20	RDF Feed Conveyor w/CV-519 & CV-512
03/07/17	03/10/17	11	57.50	Broken Chain on "B" Gate
03/27/17	03/27/17	11	8.60	RDF Feed train plug on CV-511
03/01/17	03/04/17	12	86.60	Waterwall and SSH Tube Leaks
03/05/17	03/06/17	12	4.30	RDF Feed Conveyor w/CV-519 & CV-512
04/05/17	04/06/17	11	44.00	RDF Feed Auger Screw
04/07/17	04/07/17	11	24.00	RDF Feed Auger Screw / Waterwall Tube Leak
04/08/17	04/11/17	11	55.60	Waterwall Tube Failure
04/16/17	04/16/17	11	0.10	Hole in economizer side wall
04/16/17	04/20/17	12	84.40	RDF Feed Auger Screw
04/21/17	04/21/17	12	0.70	RDF Auger Bin Plug
05/15/17	05/17/17	11	60.90	Waterwall tube leaks
05/25/17	05/25/17	11	18.90	Wet RDF. RDF pan plugs. Leak on sootblower valve
05/04/17	05/06/17	12	46.00	PSH & SSH Leaks
05/18/17	05/21/17	12	80.90	PSH & SSH Leaks
05/23/17	05/24/17	12	20.00	Multiple baghouse cell off-line, delta P issues
05/26/17	05/26/17	12	13.90	SSC derailment
05/30/17	05/30/17	12	16.50	PSH & SSH Leaks
05/04/17	05/04/17	13	2.10	Holes in inlet plenum



## Unscheduled Downtime Continued

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
05/11/17	05/11/17	13	0.40	Waterwall Tube Leaks
05/29/17	05/29/17	13	4.80	Waterwall Tube Leaks
05/30/17	05/31/17	13	48.00	Backend load center breaker wire short
06/12/17	06/15/17	11	72.90	Auger screw & tube leaks
06/19/17	06/23/17	12	73.00	Airflow restricted-tube leak
06/25/17	06/25/17	12	0.10	Airflow restricted
06/26/17	06/29/17	12	64.90	Internal SSC derail/SSH tube leaks & external leak on feed reg. isolation valve
06/01/17	06/02/17	13	24.80	Backend load center breaker wire short
06/10/17	06/12/17	13	57.30	Multiple SSH Tube Leaks
06/21/17	06/23/17	13	60.70	Multiple tube leaks

## Scheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Work Performed
07/12/16	07/15/16	12	75.90	Scheduled Cleaning Outage
07/25/16	07/29/16	11	112.90	Scheduled Cleaning Outage
07/12/16	07/15/16	12	75.90	Scheduled Cleaning Outage
09/12/16	09/15/16	11	94.90	Scheduled Cleaning
10/08/16	10/13/16	11	129.20	Cold Iron Outage
10/03/16	10/18/16	12	369.00	Annual Major Outage
10/08/16	10/13/16	13	127.40	Cold Iron Outage
11/14/16	11/20/16	11	148.10	Scheduled Cleaning
11/28/16	11/30/16	13	72.00	Scheduled Annual Major Outage
12/01/16	12/10/16	13	240.00	Scheduled Annual Major Outage
01/07/17	01/19/17	11	296.00	Scheduled Annual Major Outage (revised)
01/17/17	01/20/17	12	97.30	Scheduled Cleaning Outage (early for low boiler capacity)
02/11/17	02/18/17	13	172.10	Scheduled extended cleaning along with major grate overhaul
03/20/17	03/21/17	12	47.90	Scheduled Cleaning / low baghouse temp
03/22/17	03/23/17	12	28.80	Scheduled Cleaning
03/23/17	03/25/17	13	40.80	Scheduled Cleaning (moved earlier due to low RDF inventory, Waterwall Tube, high convection temps)
04/17/17	04/28/17	11	269.20	Scheduled Annual Major Outage
05/31/17	05/31/17	12	24.00	Scheduled PSH & SSH short-logging Outage (early due to leaks)
05/01/17	05/03/17	13	71.90	Scheduled Cleaning
06/01/17	06/09/17	12	203.00	Scheduled PSH & SSH short-logging Outage

## SOUTH MEADOWS JETS Monthly Operational Summary

Date	Net Generation (MWH)	Comment
07/06/16	62.48	Summer CCA Testing
07/06/16	46.46	Summer CCA Testing
07/06/16	32.96	Dispatched by ISO-NE
07/07/16	52.38	Summer CCA Testing
07/25/16	50.48	Summer CCA Testing
08/01/16	136.20	MVAR testing
08/11/16	223.57	Dispatched by ISO-NE
09/07/16	89.31	Dispatched by ISO-NE
10/18/16	48.94	Dispatched by ISO-NE
11/12/16	60.19	Dispatched by ISO-NE
11/14/16	0.16	Vibration Testing
11/17/16	10.27	Vibration Testing
11/21/16	3.51	Vibration Testing
11/30/16	12.87	Vibration Testing
12/01/17	11.64	Vibration Testing
12/07/17	62.79	Dispatched by ISO-NE
12/07/17	60.46	Dispatched by ISO-NE
12/21/17	60.94	Leading VAR Testing
01/05/17	10.54	Dispatched by ISO-NE
01/06/17	3.58	Vibration Testing
01/10/17	10.24	Vibration Testing
01/11/17	5.10	Vibration Testing
01/19/17	18.26	Vibration Testing
01/23/17	6.37	Vibration Testing
01/25/17	6.10	Vibration Testing
01/27/17	27.77	Vibration Testing
04/30/17	47.76	Dispatched by ISO-NE
05/12/17	8.98	Test after Generator Outage
05/18/17	124.68	Dispatched by ISO-NE
05/22/17	3.02	Test for Lube Oil Pressure Switch

**TAB C**

# MATERIALS INNOVATION AND RECYCLING AUTHORITY

## Monthly Customer MSW and Recyclables Deliveries

June-17

### Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
<b>CSWS MSW</b>									
Tier 1	343,044	346,503	1%	346,503	342,348	(1%)	31,521	31,430	(0%)
Tier 2	25,423	13,214	(48%)	13,214	13,300	1%	1,232	1,299	5%
Tier 3	2,481	2,413	(3%)	2,413	2,549	6%	224	237	6%
Tier 4	0	9,502	-	9,502	14,706	55%	1,424	1,498	5%
Non-Processible MSW	700	1,299	86%	1,299	1,926	48%	160	188	18%
Hauler Contract	255,136	251,700	(1%)	251,700	246,909	(2%)	24,275	18,072	(26%)
Contract (FCR Residue)	5,531	6,258	13%	6,258	8,106	30%	566	682	21%
Ferrous Residue (excess)	3,726	3,792	2%	3,792	2,745	(28%)	286	298	4%
In-State Spot	24,533	15,104	(38%)	15,104	10,110	(33%)	0	0	-
Out-of-State Spot	1,669	477	(71%)	477	21	(96%)	0	0	-
<b>MSW TOTAL</b>	<b>662,243</b>	<b>650,262</b>	<b>(2%)</b>	<b>650,262</b>	<b>642,721</b>	<b>(1%)</b>	<b>59,687</b>	<b>53,703</b>	<b>(10%)</b>

<b>CSWS Recyclables</b>									
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
Tier 1	43,193	44,722	4%	44,722	45,419	2%	4,026	4,326	7%
Tier 3	561	623	11%	623	638	2%	59	56	(4%)
Tier 4	0	2,333	-	2,333	3,413	46%	319	320	0%
Hauler Contract	8,326	9,711	17%	9,711	10,316	6%	897	893	(0%)
Contractor Sourced	12,506	14,896	19%	14,896	11,853	(20%)	1,081	757	(30%)
In-State Spot	0	0	-	0	0	-	0	0	-
Out-of-State Spot	0	0	-	0	0	-	0	0	-
<b>RECYC. TOTAL</b>	<b>64,586</b>	<b>72,284</b>	<b>12%</b>	<b>72,284</b>	<b>71,639</b>	<b>(1%)</b>	<b>6,380</b>	<b>6,352</b>	<b>(0%)</b>

### CSWS MSW Diversions And Exports

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
<b>TOTAL TONNAGE</b>	<b>9,758</b>	<b>4,947</b>	<b>(49%)</b>	<b>4,947</b>	<b>5,020</b>	<b>1%</b>	<b>0</b>	<b>0</b>	<b>-</b>

Breakdown of Participating towns attached

# Connecticut Solid Waste System Monthly Customer MSW Deliveries

<b>CSWS Tier 1 Participating Municipality MSW</b>									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
Avon	11,120	11,268	1%	11,268	11,335	1%	1,089	1,103	1%
Beacon Falls	3,024	2,635	(13%)	2,635	2,370	(10%)	238	157	(34%)
Bethlehem	1,551	1,508	(3%)	1,508	1,483	(2%)	123	147	20%
Bloomfield	14,795	15,679	6%	15,679	16,179	3%	1,460	1,497	2%
Canaan	430	441	3%	441	411	(7%)	37	40	9%
Canton	4,481	4,680	4%	4,680	4,984	6%	436	433	(1%)
Clinton	4,790	4,803	0%	4,803	5,385	12%	456	546	20%
Colebrook	622	602	(3%)	602	622	3%	51	69	36%
Cornwall	493	505	3%	505	531	5%	54	45	(16%)
Deep River	3,639	3,489	(4%)	3,489	3,077	(12%)	302	235	(22%)
Durham/Middlefield	5,751	6,295	9%	6,295	7,478	19%	669	611	(9%)
East Granby	3,129	2,869	(8%)	2,869	2,993	4%	241	254	5%
East Hampton	6,122	6,146	0%	6,146	6,399	4%	610	578	(5%)
Ellington	5,253	5,139	(2%)	5,139	5,348	4%	503	497	(1%)
Essex	3,062	3,078	1%	3,078	3,227	5%	357	341	(4%)
Farmington	14,329	14,661	2%	14,661	14,790	1%	1,302	1,345	3%
Glastonbury	18,836	19,255	2%	19,255	19,236	(0%)	1,750	1,799	3%
Goshen	1,307	1,345	3%	1,345	1,313	(2%)	126	117	(7%)
Granby	5,413	4,791	(11%)	4,791	4,210	(12%)	413	392	(5%)
Haddam	3,193	3,372	6%	3,372	3,266	(3%)	304	335	10%
Hartford	85,433	84,428	(1%)	84,428	84,355	(0%)	7,532	7,652	2%
Harwinton	1,904	2,030	7%	2,030	1,920	(5%)	199	195	(2%)
Killingworth	1,912	1,919	0%	1,919	1,892	(1%)	173	186	7%
Litchfield*	0	4,860	-	4,860	4,775	(2%)	429	427	(0%)
Lyme	751	755	1%	755	759	0%	65	67	3%
Marlborough	2,431	2,276	(6%)	2,276	2,126	(7%)	181	151	(16%)
Middlebury	2,611	2,349	(10%)	2,349	2,338	(0%)	222	250	13%
Naugatuck	14,993	15,157	1%	15,157	14,758	(3%)	1,460	1,066	(27%)
Norfolk	762	728	(4%)	728	735	1%	73	72	(1%)
North Canaan	2,241	2,232	(0%)	2,232	2,070	(7%)	164	203	24%
Old Lyme	3,275	3,276	0%	3,276	3,193	(3%)	325	313	(4%)
Old Saybrook	9,744	9,852	1%	9,852	8,718	(12%)	858	902	5%
Oxford	7,730	6,204	(20%)	6,204	3,940	(36%)	399	409	3%
Portland	3,619	3,510	(3%)	3,510	3,648	4%	299	373	25%
Rocky Hill	11,671	11,458	(2%)	11,458	11,068	(3%)	948	1,004	6%
Roxbury	710	704	(1%)	704	691	(2%)	63	63	(0%)
RRDD#1	10,878	11,014	1%	11,014	11,068	0%	1,028	1,075	5%
Salisbury/Sharon	3,224	3,292	2%	3,292	3,294	0%	301	338	12%
Simsbury	14,348	13,698	(5%)	13,698	13,106	(4%)	1,249	1,239	(1%)
Torrington	24,005	23,792	(1%)	23,792	23,185	(3%)	2,128	2,081	(2%)
Watertown	10,816	11,204	4%	11,204	10,872	(3%)	987	983	(0%)
Wethersfield	14,025	14,634	4%	14,634	14,699	0%	1,521	1,447	(5%)
Woodbury	4,624	4,569	(1%)	4,569	4,502	(1%)	399	392	(2%)
<b>TOTAL TIER 1 PARTICIPATING MUNICIPALITIES</b>	<b>343,044</b>	<b>346,503</b>	<b>1%</b>	<b>346,503</b>	<b>342,348</b>	<b>(1%)</b>	<b>31,521</b>	<b>31,430</b>	<b>(0%)</b>

\*Litchfield switched from Tier 2 to Tier 1 Municipality 7/1/2015



### CSWS Tier 2 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
Litchfield*	5,201	0	(100%)	0	0	-	0	0	-
Manchester	12,955	13,214	2%	13,214	13,300	1%	1,232	1,299	5%
South Windsor**	7,267	0	(100%)	0	0	-	0	0	-
<b>TOTAL TIER 2 PARTICIPATING MUNICIPALITIES</b>	<b>25,423</b>	<b>13,214</b>	<b>(48%)</b>	<b>13,214</b>	<b>13,300</b>	<b>1%</b>	<b>1,232</b>	<b>1,299</b>	<b>5%</b>

\*Litchfield switched from Tier 2 to Tier 1 Municipality 7/1/2015

\*\* Municipality left MIRA after FY15

### CSWS Tier 3 Participating Municipality MSW

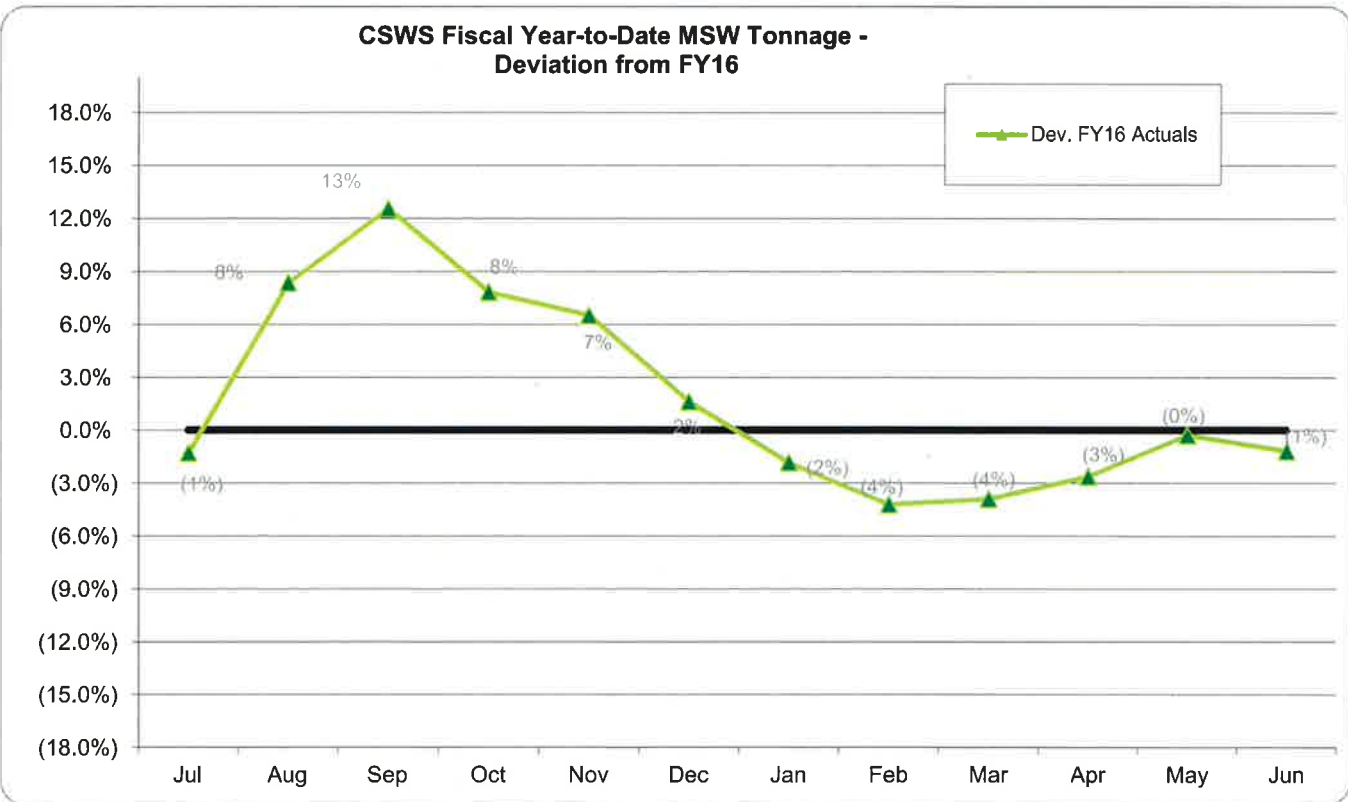
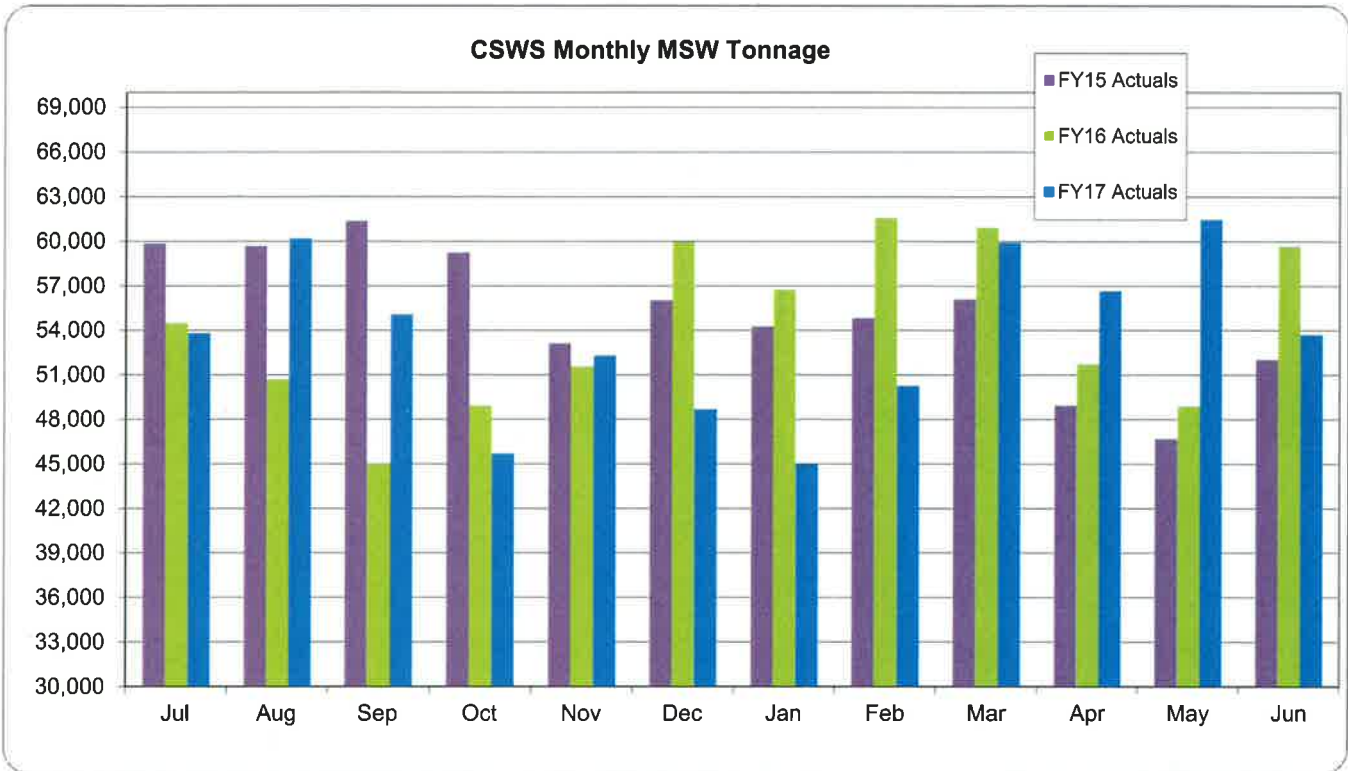
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
Chester	19	14	(28%)	14	14	6%	1	1	(14%)
Thomaston	2,462	2,400	(3%)	2,400	2,534	6%	223	236	6%
<b>TOTAL TIER 3 PARTICIPATING MUNICIPALITIES</b>	<b>2,481</b>	<b>2,413</b>	<b>(3%)</b>	<b>2,413</b>	<b>2,549</b>	<b>6%</b>	<b>224</b>	<b>237</b>	<b>6%</b>

### CSWS Tier 4 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
East Hartford***	0	9,502	-	9,502	14,706	55%	1,424	1,498	5%
<b>TOTAL TIER 4 PARTICIPATING MUNICIPALITIES</b>	<b>0</b>	<b>9,502</b>	<b>-</b>	<b>9,502</b>	<b>14,706</b>	<b>55%</b>	<b>1,424</b>	<b>1,498</b>	<b>5%</b>

\*\*\* Municipality signed with MIRA beginning 11/1/15

# CSWS MSW Trends



**Connecticut Solid Waste System**  
**Monthly Customer Recyclables Deliveries**  
**CSWS Tier 1 Participating Municipality Recycling**

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
Avon	2,096	2,115	1%	2,115	2,027	(4%)	193	195	1%
Beacon Falls	321	373	16%	373	411	10%	31	39	29%
Bethlehem	330	346	5%	346	338	(2%)	26	27	7%
Bloomfield	1,717	1,733	1%	1,733	1,697	(2%)	159	155	(3%)
Canaan	90	90	0%	90	88	(2%)	6	10	66%
Canton	971	981	1%	981	911	(7%)	88	73	(17%)
Clinton	1,148	1,181	3%	1,181	1,148	(3%)	107	115	7%
Colebrook	188	179	(5%)	179	186	4%	17	20	14%
Cornwall	147	148	1%	148	148	(0%)	9	5	(43%)
Deep River	425	510	20%	510	441	(14%)	37	27	(26%)
East Granby	442	465	5%	465	1,093	135%	37	208	466%
East Hampton	948	1,012	7%	1,012	1,012	0%	83	83	(0%)
Ellington	1,415	1,426	1%	1,426	1,362	(4%)	145	139	(4%)
Essex	658	734	12%	734	734	0%	73	69	(5%)
Farmington	2,281	2,697	18%	2,697	2,647	(2%)	237	213	(10%)
Glastonbury	3,687	3,637	(1%)	3,637	3,585	(1%)	305	331	8%
Goshen	320	323	1%	323	312	(3%)	26	27	5%
Granby	1,461	1,457	(0%)	1,457	1,350	(7%)	127	111	(13%)
Haddam	645	683	6%	683	697	2%	57	69	21%
Hartford	5,373	5,600	4%	5,600	5,869	5%	550	560	2%
Harwinton	515	504	(2%)	504	520	3%	49	52	6%
Killingworth	464	472	2%	472	483	2%	44	37	(15%)
Litchfield	0	814	-	814	874	7%	72	79	10%
Marlborough	684	654	(4%)	654	601	(8%)	40	49	21%
Middlebury	873	840	(4%)	840	884	5%	74	80	8%
Norfolk	168	169	1%	169	172	2%	20	18	(10%)
North Canaan	231	235	2%	235	247	5%	20	23	13%
Old Lyme	8	0	(100%)	0	0	-	0	0	-
Old Saybrook	1,105	1,082	(2%)	1,082	1,095	1%	105	111	5%
Oxford	780	668	(14%)	668	749	12%	63	91	44%
Portland	610	573	(6%)	573	625	9%	55	83	51%
Rocky Hill	1,656	1,692	2%	1,692	1,611	(5%)	153	151	(2%)
Roxbury	184	182	(1%)	182	181	(0%)	20	22	14%
RRDD#1	1,799	1,815	1%	1,815	1,786	(2%)	167	160	(4%)
Salisbury-Sharon	1,079	1,053	(2%)	1,053	1,092	4%	88	95	9%
Torrington	3,004	2,956	(2%)	2,956	2,836	(4%)	268	262	(2%)
Watertown	1,758	1,706	(3%)	1,706	1,996	17%	154	209	36%
Wethersfield	2,710	2,775	2%	2,775	2,709	(2%)	251	251	(0%)
Woodbury	901	840	(7%)	840	903	7%	72	77	7%
<b>TOTAL TIER 1 MUNICIPALITIES</b>	<b>43,193</b>	<b>44,722</b>	<b>4%</b>	<b>44,722</b>	<b>45,419</b>	<b>2%</b>	<b>4,026</b>	<b>4,326</b>	<b>7%</b>

\*Litchfield became a Tier 1 Municipality 7/1/2015.

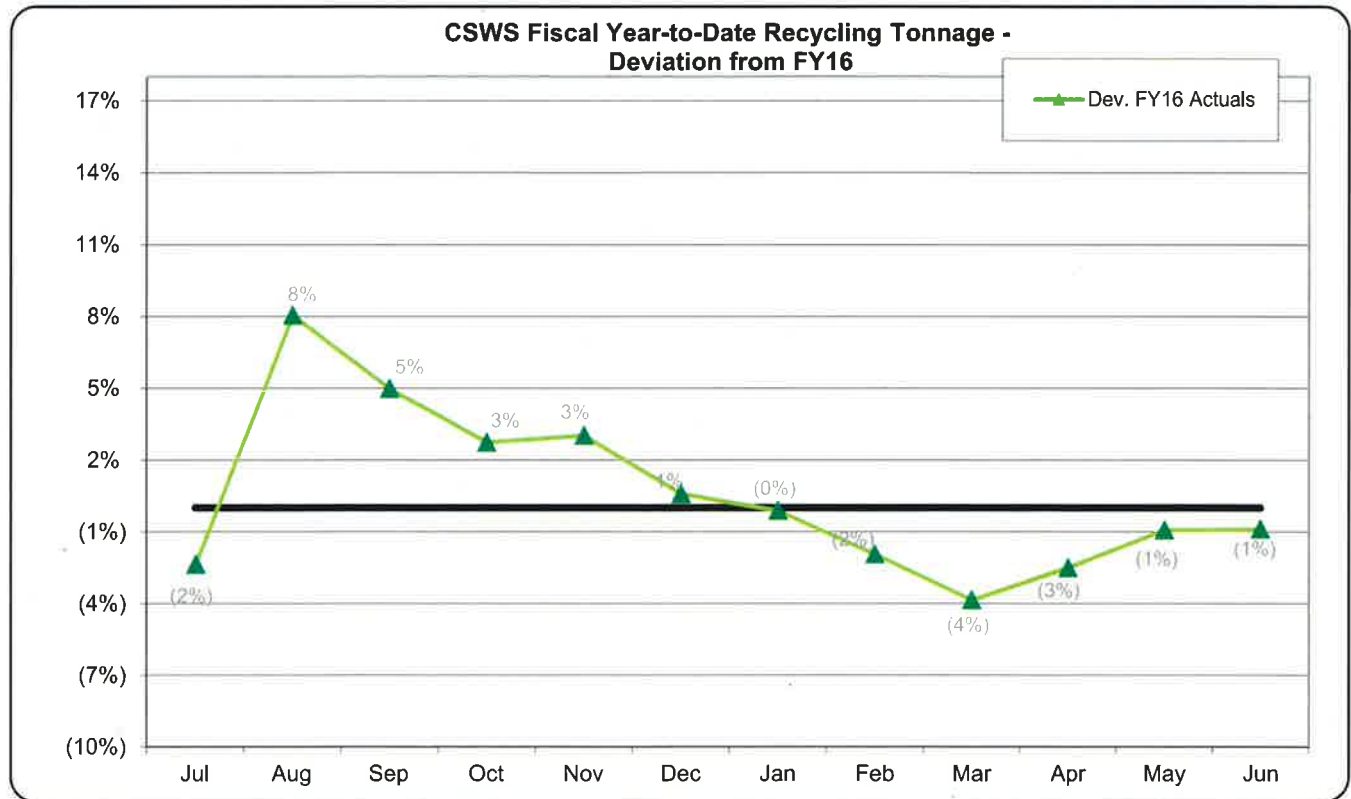
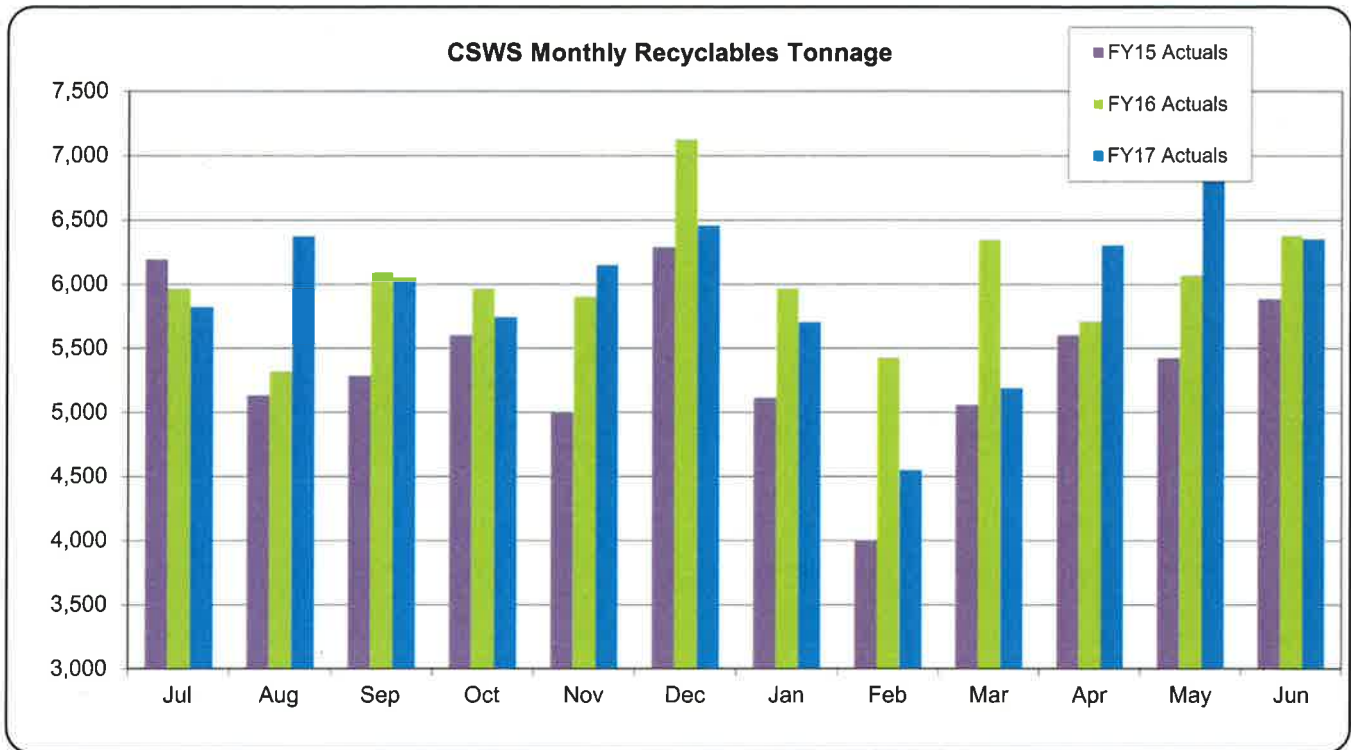
### CSWS Tier 3 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
Chester	0	0	-	0	0	-	0	0	-
Thomaston	561	623	11%	623	638	2%	58.5	56.3	(4%)
<b>TOTAL TIER 3 MUNICIPALITIES</b>	<b>561</b>	<b>623</b>	<b>11%</b>	<b>623</b>	<b>638</b>	<b>2%</b>	<b>59</b>	<b>56</b>	<b>(4%)</b>

### CSWS Tier 4 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2015	2016	Growth	2016	2017	Growth	Jun 16	Jun 17	Growth
East Hartford	0	2,333	-	2,333	3,413	46%	319	320	0%
<b>TOTAL TIER 4 MUNICIPALITIES</b>	<b>0</b>	<b>2,333</b>	<b>-</b>	<b>2,333</b>	<b>3,413</b>	<b>46%</b>	<b>319</b>	<b>320</b>	<b>0%</b>

## CSWS Recyclables Trends



**TAB D**



