



Materials Innovation and Recycling Authority  
Regular Board of Directors  
Supplemental Information  
September 12, 2018

I. Finance

Informational Reports for Period ending July 31, 2018 (*Attachment A*).

CSWS Financials	CSWS Improvement Fund
CSWS Electricity	Property Division Financials
CSWS Solid Waste Summary	MIRA Cash Flow
CSWS Recycling Summaries	Authority Budget

II. Summary of Project Activities

1. An update is provided on each project's monthly operations for the periods ending June 30, 2018 and July 31, 2018 (*Attachment B*).
2. An update is provided on waste deliveries to all projects for the periods ending June 30, 2018 and July 31, 2018 (*Attachment C*).

III. Communications

1. Legal Expenditure Report FY'18 (*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 July was \$5.57 million (1% above budget). Surplus member and hauler waste and metal sales were only partially offset by deficits in electricity sales, other energy markets and other contract waste. Year to date revenue is 1% above budget. Total operating expenses were \$4.55 million (1% under budget) in July. Year to date the CSWS has operating income of \$1.01 million which is \$0.09 million (10%) above budget.

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, 2018 through March 31, 2019, the first 20 MW of CSWS energy is sold under fixed contract at the rate of \$.03527 / 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 \$0.0346 per kwh in July which is \$0.0018 per kwh (5.5%) above budget. Year to date energy price is 5.5% above budget. Energy production was 3.84 million kwh (13.7%) under budget in July. Year to date production is 13.7% under budget. The plant ran at full capacity for 7 out of 31 days. Overall boiler availability was 76.8% compared to budgeted availability of 83.5%. Boiler 11 was off line for 160.52 hours for grate failure, klinker and ID fan issues following its major outage last month (78.4% availability). Boiler 12 was off line for 61.41 hours for three separate SSC derail instances (91.7% availability). Boiler 13 was off line for 295.45 hours for tube leaks and backend plugs (60.3% availability). Overall turbine availability was 92.6% compared to budgeted availability of 100.0%. Turbine 5 was off line for 77.32 hours for an atomizer failure and to accommodate a 1 boiler operation. Turbine 6 was off line for 32.11 hours due to a trip and to accommodate a 1 boiler operation. Price and production combine to produce a \$0.08 million (8.9%) deficit in electricity revenue for the month of July. On a year to date basis, in comparison to this period of fiscal year 2018, energy price is up 10%, production is down 7% and revenue is up 2%.

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

July deliveries totaled 54,457 tons which is 1,759 tons (3.3%) above budget. Deficits in other contract and spot waste deliveries were more than offset by excess hauler and member waste deliveries. However, 1,522 tons of delivered waste was diverted at a cost of \$126,862 reflecting an average disposal price for diversions of \$83.33 per ton excluding transportation. Prices for waste hauler tons averaged \$74.71 per ton reflecting the adopted \$2.00 per ton surcharge on non participating town deliveries to transfer stations. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 7.9% above budget on a year to date basis.



BOARD OF DIRECTORS FINANCIAL REPORT  
PERIOD ENDING ..... July 31, 2018

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, recycling facility revenues were 3% above budget in July. Delivery revenue was 27.0% above budget due to surplus paid residue and CSWS-sourced deliveries. Export revenue was 80.2% below budget due to below budget pricing on all commodities. Tip fees for non participating town deliveries to transfer stations were 77.9% above budget. Year to date recycling facility revenues are 3% above budget. As indicated separately on the metal sales report, metal sales revenue was 121% above budget in July due to strong pricing. The average per ton price in July was \$79.42 per ton which is \$41.42 per ton (109%) above budget. Year to date total metal sales and excess residue is 108% above budget.

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 , revenue to the Property Division was 9.8% above budget in July due to activity in the real time and reserve markets. Operating expenses were 10.7% above budget due to MIRA non-personnel services. Total operating income is 9.7% 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 \$1,513,022 to the Tip Fee Stabilization Fund from July receipts. Management also executed the Board approved transfer of \$3,000,000 from Property Division General Fund to the Tip Fee Stabilization Fund. Year to date distributions to the Tip Fee Stabilization Fund are \$4.5 million in comparison to the maximum authorized distribution of \$7.7 million. CSWS cash receipts were not sufficient to execute budgeted distributions to the CSWS Operating STIF and Improvement Fund causing a \$1,053,056 draw from Tip Fee Stabilization. After the distribution of July receipts, \$27,667,551 remained contingently due to the Tip Fee Stabilization Fund from CSWS.

CSWS Improvement Fund - This report reflects budget versus actual CSWS Improvement Fund advances to the operator of the Resource Recovery Facility for major maintenance and capital improvement projects approved monthly by the Authority. Actual costs initially reflect funds advanced which are subsequently adjusted when the project is completed. As indicated in this report, the Authority advanced \$1,665,374 to NAES for July major maintenance activities in the Power Block (primarily Boiler 12 and baghouse work).

Segmented Income Statements - This report reflects the revenues and expenses of each Authority project and division in the format ultimately to appear in its annual independent audit report. This includes a summary reconciliation to budget versus actual report formats.

CSWS Monthly Financial Report

Period Ending: **July 31, 2018**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
<b>REVENUES</b>								
<a href="#">Member Towns</a>	\$ 2,287,918	\$ 2,726,342	\$ 438,425	19%	\$ 2,287,918	\$ 2,726,342	\$ 438,425	19%
<a href="#">Other Contracts</a>	\$ 316,588	\$ -	\$ (316,588)	n/a	\$ 316,588	\$ -	\$ (316,588)	n/a
<a href="#">Hauler Contracts</a>	\$ 1,076,531	\$ 1,243,712	\$ 167,182	16%	\$ 1,076,531	\$ 1,243,712	\$ 167,182	16%
<a href="#">Spot Waste</a>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Other Operating Charges	\$ -	\$ 6,488	\$ 6,488	n/a	\$ -	\$ 6,488	\$ 6,488	n/a
Member Service Fee	\$ 3,330	\$ 2,236	\$ (1,094)	-33%	\$ 3,330	\$ 2,236	\$ (1,094)	-33%
<a href="#">Metal Sales &amp; Excess Residue</a>	\$ 70,119	\$ 146,035	\$ 75,916	108%	\$ 70,119	\$ 146,035	\$ 75,916	108%
Bulky Waste	\$ 9,485	\$ 19,149	\$ 9,664	102%	\$ 9,485	\$ 19,149	\$ 9,664	102%
<a href="#">Recycling Facility</a>	\$ 94,968	\$ 97,687	\$ 2,719	3%	\$ 94,968	\$ 97,687	\$ 2,719	3%
<a href="#">Electricity Sales</a>	\$ 918,772	\$ 836,596	\$ (82,176)	-9%	\$ 918,772	\$ 836,596	\$ (82,176)	-9%
Other Energy Markets	\$ 748,109	\$ 445,278	\$ (302,831)	-40%	\$ 748,109	\$ 445,278	\$ (302,831)	-40%
Misc. (Interest, Fees, Other)	\$ 1,333	\$ 45,958	\$ 44,625	3348%	\$ 1,333	\$ 45,958	\$ 44,625	3348%
<b>TOTAL ACCRUED REVENUES</b>	\$ 5,527,152	\$ 5,569,483	\$ 42,330	1%	\$ 5,527,152	\$ 5,569,483	\$ 42,330	1%
<b>EXPENDITURES</b>								
Administrative Expenses	\$ 198,403	\$ 201,708	\$ (3,305)	-2%	\$ 198,403	\$ 201,708	\$ (3,305)	-2%
Operational Expenses	\$ 303,032	\$ 404,943	\$ (101,911)	-34%	\$ 303,032	\$ 404,943	\$ (101,911)	-34%
PILOTS & Fees	\$ 232,320	\$ 232,428	\$ (108)	0%	\$ 232,320	\$ 232,428	\$ (108)	0%
Waste Transport	\$ 1,131,900	\$ 1,276,441	\$ (144,541)	-13%	\$ 1,131,900	\$ 1,276,441	\$ (144,541)	-13%
Recycling Facility	\$ 55,309	\$ 68,291	\$ (12,982)	-23%	\$ 55,309	\$ 68,291	\$ (12,982)	-23%
Murphy Road Operations	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Facilities Operating Exp.	\$ 80,031	\$ 178,913	\$ (98,882)	-124%	\$ 80,031	\$ 178,913	\$ (98,882)	-124%
NAES Contract Operating Charges	\$ 2,280,081	\$ 1,845,822	\$ 434,259	19%	\$ 2,280,081	\$ 1,845,822	\$ 434,259	19%
NAES On-Site Incentive Comp.	\$ 79,054	\$ 79,054	\$ -	0%	\$ 79,054	\$ 79,054	\$ -	0%
NAES Management Fees	\$ 102,602	\$ 84,304	\$ 18,298	18%	\$ 102,602	\$ 84,304	\$ 18,298	18%
Transfer Station - Ellington	\$ 1,075	\$ 4,615	\$ (3,540)	-329%	\$ 1,075	\$ 4,615	\$ (3,540)	-329%
Transfer Station - Essex	\$ 47,171	\$ 63,767	\$ (16,596)	-35%	\$ 47,171	\$ 63,767	\$ (16,596)	-35%
Transfer Station - Torrington	\$ 45,546	\$ 49,114	\$ (3,568)	-8%	\$ 45,546	\$ 49,114	\$ (3,568)	-8%
Transfer Station - Watertown	\$ 47,282	\$ 65,259	\$ (17,977)	-38%	\$ 47,282	\$ 65,259	\$ (17,977)	-38%
<b>TOTAL ACCRUED EXPENDITURES</b>	\$ 4,603,806	\$ 4,554,659	\$ 49,147	1%	\$ 4,603,806	\$ 4,554,659	\$ 49,147	1%
<b>OPERATING INCOME</b> (Before Reserves / Transfers)	\$ 923,347	\$ 1,014,824	\$ 91,477	10%	\$ 923,347	\$ 1,014,824	\$ 91,477	10%
<b>DISTRIBUTION OF CSWS OPERATING INCOME</b>								
<a href="#">Debt Service Fund</a>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<a href="#">CSWS Improvement Fund</a>	\$ 2,000,000	\$ 2,000,000	\$ -	0%	\$ 2,000,000	\$ 2,000,000	\$ -	0%
<a href="#">CSWS Risk Fund</a>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<a href="#">CSWS Legal Reserve</a>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<a href="#">MIRA Severance Reserve</a>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<b>TOTAL DISTRIBUTIONS</b>	\$ 2,000,000	\$ 2,000,000	\$ -	0%	\$ 2,000,000	\$ 2,000,000	\$ -	0%
<b>SURPLUS / (DEFICIT)</b>	\$ (1,076,653)	\$ (985,176)	\$ 91,477	-8%	\$ (1,076,653)	\$ (985,176)	\$ 91,477	-8%

Materials Innovation and Recycling Authority  
 FY 2019 Board of Directors Financial Report

[Narrative](#)

CSWS Electricity Production

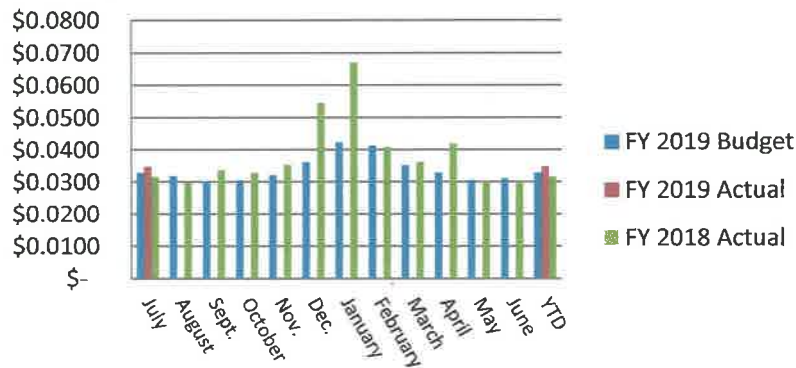
Period Ending:

July 31, 2018

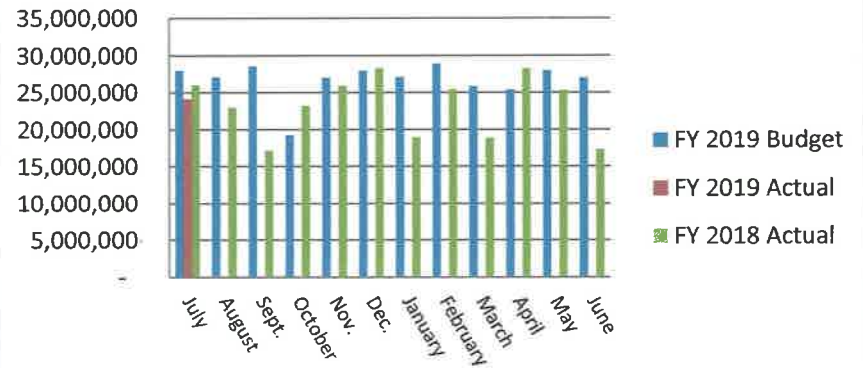
FY 2019 Bo	Price			Production			Generation Revenue		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
July	\$ 0.0328	\$ 0.0346	\$ 0.0018	27,982,899	24,144,910	(3,837,989)	\$ 918,772	\$ 836,596	\$ (82,176)
August	\$ 0.0318	\$ -	n/a	27,050,136		n/a	\$ 859,743		n/a
Sept.	\$ 0.0304	\$ -	n/a	28,594,378		n/a	\$ 868,793		n/a
October	\$ 0.0306	\$ -	n/a	19,277,108		n/a	\$ 589,558		n/a
Nov.	\$ 0.0321	\$ -	n/a	26,987,952		n/a	\$ 864,964		n/a
Dec.	\$ 0.0361	\$ -	n/a	27,982,899		n/a	\$ 1,010,649		n/a
January	\$ 0.0422	\$ -	n/a	27,050,136		n/a	\$ 1,142,868		n/a
February	\$ 0.0413	\$ -	n/a	28,915,663		n/a	\$ 1,195,566		n/a
March	\$ 0.0351	\$ -	n/a	25,806,452		n/a	\$ 905,806		n/a
April	\$ 0.0328	\$ -	n/a	25,381,526		n/a	\$ 833,276		n/a
May	\$ 0.0305	\$ -	n/a	27,982,899		n/a	\$ 853,828		n/a
June	\$ 0.0310	\$ -	n/a	26,987,952		n/a	\$ 836,177		n/a
<b>YTD</b>	\$ 0.0328	\$ 0.0346	\$ 0.0018	<b>27,982,899</b>	<b>24,144,910</b>	<b>(3,837,989)</b>	<b>\$ 918,772</b>	<b>\$ 836,596</b>	<b>\$ (82,176)</b>
YTD % Var.			6%			-14%			-9%

Page 4 of 12 Pages

Price / KWh



Production (KWh)



**Materials Innovation and Recycling Authority  
FY 2019 Board of Directors Financial Report**

Narrative

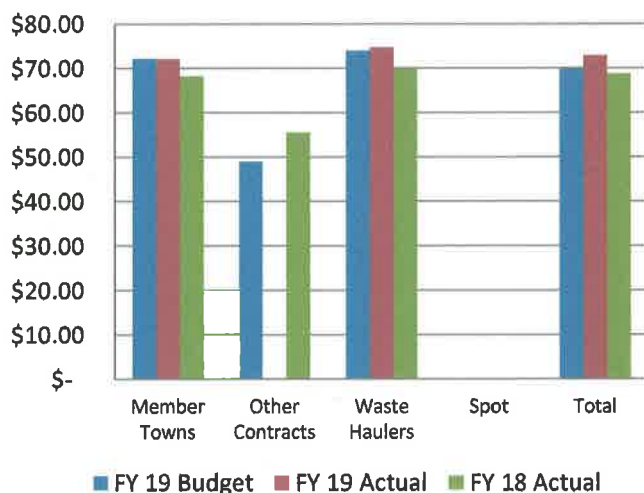
**CSWS Solid Waste Summary**

**Period Ending:**

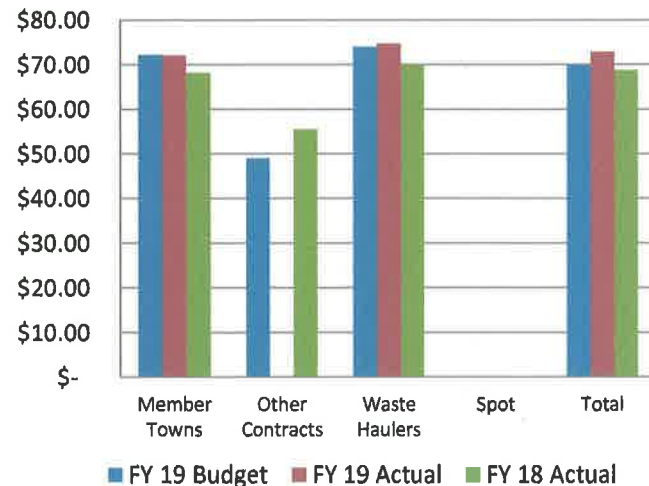
**July 31, 2018**

FY 19 Budget	Current Month			Year To Date		
	Tons	Revenue	Price	Tons	Revenue	Price
<u>Member Towns</u>	31,690	\$ 2,287,918	\$ 72.20	31,690	\$ 2,287,918	\$ 72.20
<u>Other Contracts</u>	6,461	\$ 316,588	\$ 49.00	6,461	\$ 316,588	\$ 49.00
<u>Waste Haulers</u>	14,548	\$ 1,076,531	\$ 74.00	14,548	\$ 1,076,531	\$ 74.00
<u>Spot</u>	-	\$ -	\$ -	-	\$ -	\$ -
<b>Total</b>	<b>52,699</b>	<b>\$ 3,681,036</b>	<b>\$ 69.85</b>	<b>52,699</b>	<b>\$ 3,681,036</b>	<b>\$ 69.85</b>
<b>FY 19 Actual</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>
Member Towns	37,810	\$ 2,726,342	\$ 72.11	37,810	\$ 2,726,342	\$ 72.11
Other Contracts	-	\$ -	\$ -	-	\$ -	\$ -
Waste Haulers	16,648	\$ 1,243,712	\$ 74.71	16,648	\$ 1,243,712	\$ 74.71
Spot	-	\$ -	\$ -	-	\$ -	\$ -
<b>Total</b>	<b>54,457</b>	<b>\$ 3,970,055</b>	<b>\$ 72.90</b>	<b>54,457</b>	<b>\$ 3,970,055</b>	<b>\$ 72.90</b>
<b>Variance</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>	<b>Tons</b>	<b>Revenue</b>	<b>Price</b>
Member Towns	6,119	\$ 438,425	\$ (0.09)	6,119	\$ 438,425	\$ (0.09)
Other Contracts	(6,461)	\$ (316,588)	\$ (49.00)	(6,461)	\$ (316,588)	\$ (49.00)
Waste Haulers	2,100	\$ 167,182	\$ 0.71	2,100	\$ 167,182	\$ 0.71
Spot	-	\$ -	\$ -	-	\$ -	\$ -
<b>Total</b>	<b>1,759</b>	<b>\$ 289,018</b>	<b>\$ 3.05</b>	<b>1,759</b>	<b>\$ 289,018</b>	<b>\$ 3.05</b>
<b>Total % Var.</b>	<b>3.3%</b>	<b>7.9%</b>	<b>4.4%</b>	<b>3.3%</b>	<b>7.9%</b>	<b>4.4%</b>

**Current Month Average Price / Ton**



**YTD Average Price / Ton**



CSWS Recycling Facility (Deliveries)

Period Ending:

July 31, 2018

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
<b>FCR Delivery Revenue</b>	<b>\$ 65,628</b>	<b>\$ 83,318</b>	<b>\$ 17,690</b>	<b>\$ 65,628</b>	<b>\$ 83,318</b>	<b>\$ 17,690</b>
FCR Export Revenue	\$ 23,920	\$ 4,730	\$ (19,190)	\$ 23,920	\$ 4,730	\$ (19,190)
Non Participating Tip Fee	\$ 5,420	\$ 9,640	\$ 4,220	\$ 5,420	\$ 9,640	\$ 4,220
Total	\$ 94,968	\$ 97,687	\$ 2,719	\$ 94,968	\$ 97,687	\$ 2,719
Total % Var.			3%			3%

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	5,040.00	\$ 8.50	\$ 42,840	600	\$ 7.50	\$ 4,500	\$ 47,340
Commercial	-	\$ -	\$ -	70	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	254	\$ 72.00	\$ 18,288	\$ 18,288
Total	5,040.00	\$ 8.50	\$ 42,840	924	\$ 24.66	\$ 22,788	\$ 65,628
<b>Current Month Actual</b>							
Residential Dual	-	n/a	\$ -	-	n/a	\$ -	\$ -
Residential Single	6,352.59	\$ 8.50	\$ 53,997	49	\$ 7.50	\$ 369	\$ 54,366
Commercial	3.61	\$ -	\$ -	30	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	402	\$ 72.00	\$ 28,952	\$ 28,952
Total	6,356.20	\$ 8.50	\$ 53,997	482	\$ 60.86	\$ 29,321	\$ 83,318
<b>Current Month Variance</b>							
Residential Dual	-	n/a	-	-	n/a	-	\$ -
Residential Single	1,312.59	-	11,157	(551)	-	(4,131)	\$ 7,026
Commercial	3.61	-	-	(40)	-	-	\$ -
Total Paid Residue	n/a	n/a	n/a	148	-	10,664	\$ 10,664
Total	1,316.20	\$ (0.00)	\$ 11,157	(442)	-	\$ 6,533	\$ 17,690

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	5,040.00	\$ 8.50	\$ 42,840	600	\$ 7.50	\$ 4,500	\$ 47,340
Commercial	-	\$ -	\$ -	70	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	254	\$ 72.00	\$ 18,288	\$ 18,288
Total	5,040.00	\$ 8.50	42,840.00	924	\$ 24.66	\$ 22,788	\$ 65,628
<b>Year To Date Actual</b>							
Residential Dual	-	n/a	\$ -	-	n/a	\$ -	\$ -
Residential Single	6,352.59	\$ 8.50	\$ 53,997	49	\$ 7.50	\$ 369	\$ 54,366
Commercial	3.61	\$ -	\$ -	30	\$ -	\$ -	\$ -
Total Paid Residue	n/a	n/a	n/a	402	\$ 72.00	\$ 28,952	\$ 28,952
Total	6,356.20	\$ 8.50	53,997.02	482	\$ 60.86	\$ 29,321	\$ 83,318
<b>Year To Date Variance</b>							
Residential Dual	-	n/a	-	-	n/a	-	\$ -
Residential Single	1,312.59	-	11,157	(551)	-	(4,131)	\$ 7,026
Commercial	3.61	-	-	(40)	-	-	\$ -
Total Paid Residue	n/a	n/a	n/a	148	-	10,664	\$ 10,664
Total	1,316.20	(0.00)	11,157.02	(442)	\$ 36.20	\$ 6,533	\$ 17,690



CSWS Recycling Facility (Exports)

Period Ending:

**July 31, 2018**

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
FCR Delivery Revenue	\$ 65,628	\$ 83,318	\$ 17,690	\$ 65,628	\$ 83,318	\$ 17,690
<b>FCR Export Revenue</b>	<b>\$ 23,920</b>	<b>\$ 4,730</b>	<b>\$ (19,190)</b>	<b>\$ 23,920</b>	<b>\$ 4,730</b>	<b>\$ (19,190)</b>
Non Participating Tip Fee	\$ 5,420	\$ 9,640	\$ 4,220	\$ 5,420	\$ 9,640	\$ 4,220
Total	\$ 94,968	\$ 97,687	\$ 2,719	\$ 94,968	\$ 97,687	\$ 2,719
Total % Var.			3%			3%

Current Month Budget	Exports CSWS Sourced			Exports FCR Sourced			Export Revenue
	Tons	Rate	Revenue	Tons	Rate	Revenue	
Residential ONP	2,016.00	\$ 1.50	\$ 3,024	280	\$ 0.50	\$ 140	\$ 3,164
Residential OCC	970.00	\$ 15.00	\$ 14,552	153	\$ 2.00	\$ 306	\$ 14,858
Residential Containers	1,202.00	\$ 4.50	\$ 5,409	188	\$ 0.75	\$ 141	\$ 5,550
Commercial	-	\$ -	\$ -	70	\$ 4.97	\$ 348	\$ 348
Total	4,188.00	\$ 5.49	\$ 22,985	691	\$ 1.35	\$ 935	<b>\$ 23,920</b>
<b>Current Month Actual</b>							
Residential ONP	2,660.89	\$ -	\$ -	21	\$ -	\$ -	\$ -
Residential OCC	1,128.95	\$ 4.00	\$ 4,516	9	\$ 0.80	\$ 7	\$ 4,523
Residential Containers	1,461.21	\$ -	\$ -	11	\$ -	\$ -	\$ -
Commercial	3.61	\$ 3.68	\$ 13	30	\$ 6.37	\$ 194	\$ 207
Total	5,254.66	\$ 0.86	\$ 4,529	71	\$ 2.82	\$ 201	<b>\$ 4,730</b>
<b>Current Month Variance</b>							
Residential ONP	644.89	\$ (1.50)	(3,024)	(259)	\$ (0.50)	(140)	\$ (3,164)
Residential OCC	158.95	\$ (11.00)	(10,036)	(144)	\$ (1.20)	(299)	\$ (10,335)
Residential Containers	259.21	\$ (4.50)	(5,409)	(177)	\$ (0.75)	(141)	\$ (5,550)
Commercial	3.61	\$ 3.68	13	(40)	\$ 1.40	(154)	\$ (141)
Total	1,066.66	\$ (4.63)	\$ (18,456)	(620)	\$ 1.47	\$ (734)	<b>\$ (19,190)</b>

Year To Date Budget	Exports CSWS Sourced			Exports FCR Sourced			Total Revenue
	Tons	Rate	Revenue	Tons	Rate	Revenue	
Residential ONP	2,016.00	\$ 1.50	\$ 3,024	280	\$ 0.50	\$ 140	\$ 3,164
Residential OCC	970.00	\$ 15.00	\$ 14,552	153	\$ 2.00	\$ 306	\$ 14,858
Residential Containers	1,202.00	\$ 4.50	\$ 5,409	188	\$ 0.75	\$ 141	\$ 5,550
Commercial	-	\$ -	\$ -	70	\$ 4.97	\$ 348	\$ 348
Total	4,188.00	\$ 5.49	\$ 22,985	691	\$ 1.35	\$ 935	<b>\$ 23,920</b>
<b>Year To Date Actual</b>							
Residential ONP	2,660.89	\$ -	\$ -	21	\$ -	\$ -	\$ -
Residential OCC	1,128.95	\$ 4.00	\$ 4,516	9	\$ 0.80	\$ 7	\$ 4,516
Residential Containers	1,461.21	\$ -	\$ -	11	\$ -	\$ -	\$ -
Commercial	3.61	\$ 3.68	\$ 13	30	\$ 6.37	\$ 194	\$ 13
Total	5,254.66	\$ 0.86	\$ 4,529	71	\$ 2.82	\$ 201	<b>\$ 4,730</b>
<b>Year To Date Variance</b>							
Residential ONP	644.89	\$ (1.50)	(3,024)	(259)	\$ (0.50)	(140)	\$ (3,164)
Residential OCC	158.95	\$ (11.00)	(10,036)	(144)	\$ (1.20)	(299)	\$ (10,335)
Residential Containers	259.21	\$ (4.50)	(5,409)	(177)	\$ (0.75)	(141)	\$ (5,550)
Commercial	3.61	\$ 3.68	13	(40)	\$ 1.40	(154)	\$ (141)
Total	1,066.66	\$ (4.63)	\$ (18,456)	(620)	\$ 1.47	\$ (734)	<b>\$ (19,190)</b>

Period Ending: **July 31, 2018**

**Metal Sales**

FY 2019	Budget			Actual			Variance Better (Worse) than Budget		
	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	1,596.67	60,675.00	\$ 38.00	1,692.15	\$ 134,392	\$ 79.42	95.48	\$ 73,717	\$ 41.42
August	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
September	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
October	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
November	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
December	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
January	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
February	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
March	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
April	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
May	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
June	1,596.67	60,675.00	\$ 38.00	-	\$ -	n/a	n/a	n/a	n/a
<b>YTD</b>	<b>1,596.67</b>	<b>\$ 60,675</b>	<b>\$ 38.00</b>	<b>1,692.15</b>	<b>\$ 134,392</b>	<b>\$ 79.42</b>	<b>95.48</b>	<b>\$ 73,717</b>	<b>\$ 41.42</b>

**Excess Ferrous Residue**

FY 2019	Budget			Actual			Variance Better (Worse) than Budget		
	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	236.11	\$ 9,444	\$ 40.00	291.06	\$ 11,643	\$ 40.00	54.96	2,198.27	\$ -
August	228.24	\$ 9,129	\$ 40.00			n/a			
September	241.27	\$ 9,651	\$ 40.00			n/a			
October	162.65	\$ 6,506	\$ 40.00			n/a			
November	227.71	\$ 9,108	\$ 40.00			n/a			
December	236.11	\$ 9,444	\$ 40.00			n/a			
January	228.24	\$ 9,129	\$ 40.00			n/a			
February	243.98	\$ 9,759	\$ 40.00			n/a			
March	217.74	\$ 8,710	\$ 40.00			n/a			
April	214.16	\$ 8,566	\$ 40.00			n/a			
May	236.11	\$ 9,444	\$ 40.00			n/a			
June	227.71	\$ 9,108	\$ 40.00			n/a			
<b>YTD</b>	<b>236.11</b>	<b>\$ 9,444</b>	<b>\$ 40.00</b>	<b>291.06</b>	<b>\$ 11,643</b>	<b>\$ 40.00</b>	<b>54.96</b>	<b>\$ 2,198</b>	<b>-</b>

**Total Metal Sales and Excess Residue**

FY 2019	Budget			Actual			Variance Better (Worse) than Budget		
	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	1,832.77	70,119	\$ 38.26	1,983.21	146,034.98	\$ 73.64	150.44	75,915.75	35.38
August	1,824.90	69,804	\$ 38.25	-	-	n/a			
September	1,837.93	70,326	\$ 38.26	-	-	n/a			
October	1,759.32	67,181	\$ 38.19	-	-	n/a			
November	1,824.38	69,783	\$ 38.25	-	-	n/a			
December	1,832.77	70,119	\$ 38.26	-	-	n/a			
January	1,824.90	69,804	\$ 38.25	-	-	n/a			
February	1,840.64	70,434	\$ 38.27	-	-	n/a			
March	1,814.41	69,385	\$ 38.24	-	-	n/a			
April	1,810.82	69,241	\$ 38.24	-	-	n/a			
May	1,832.77	70,119	\$ 38.26	-	-	n/a			
June	1,824.38	69,783	\$ 38.25	-	-	n/a			
<b>YTD</b>	<b>1,832.77</b>	<b>\$ 70,119</b>	<b>\$ 38.26</b>	<b>1,983.21</b>	<b>\$ 146,035</b>	<b>\$ 73.64</b>	<b>150.44</b>	<b>\$ 75,916</b>	<b>35.38</b>

Materials Innovation and Recycling Authority  
 FY 2019 Board of Directors Financial Report

Narrative

Property Division Monthly Financial Report

Period Ending: July 31, 2018

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	\$ 1,418,753	\$ 1,417,268	\$ (1,485)	-0.1%	\$ 1,418,753	\$ 1,417,268	\$ (1,485)	-0.1%
VARS Payments	\$ 3,600	\$ 4,297	\$ 697	19.4%	\$ 3,600	\$ 4,297	\$ 697	19.4%
Reserve Credits	\$ 50,000	\$ 166,248	\$ 116,248	232.5%	\$ 50,000	\$ 166,248	\$ 116,248	232.5%
Real Time Energy	\$ 12,833	\$ 50,626	\$ 37,793	294.5%	\$ 12,833	\$ 50,626	\$ 37,793	294.5%
Total Jets Electric	\$ 1,485,186	\$ 1,638,439	\$ 153,253	10.3%	\$ 1,485,186	\$ 1,638,439	\$ 153,253	10.3%
<b>Lease Income:</b>								
CSWS Murphy Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Golf Center	\$ 1,664	\$ 1,664	\$ (0)	0.0%	\$ 1,664	\$ 1,664	\$ (0)	0.0%
Wheelabrator Lease	\$ 35,946	\$ 35,946	\$ (0)	0.0%	\$ 35,946	\$ 35,946	\$ (0)	0.0%
Jets Billboard	\$ 45,350	\$ 45,350	\$ -	0.0%	\$ 45,350	\$ 45,350	\$ -	0.0%
Total Lease Income	\$ 82,960	\$ 82,959	\$ (1)	0.0%	\$ 82,960	\$ 82,959	\$ (1)	0.0%
South Central Facility Capacity	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Interest Income	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<b>TOTAL ACCRUED REVENUES</b>	<b>\$ 1,568,146</b>	<b>\$ 1,721,398</b>	<b>\$ 153,252</b>	<b>9.8%</b>	<b>\$ 1,568,146</b>	<b>\$ 1,721,398</b>	<b>\$ 153,252</b>	<b>9.8%</b>
<b>EXPENDITURES</b>								
MIRA Non-Personnel Services	\$ 15,021	\$ 37,856	\$ (22,835)	-152.0%	\$ 15,021	\$ 37,856	\$ (22,835)	-152.0%
MIRA Personnel Services	\$ 56,993	\$ 57,846	\$ (853)	-1.5%	\$ 56,993	\$ 57,846	\$ (853)	-1.5%
Railroad Maintenance	\$ 10,000	\$ 10,050	\$ (50)	-0.5%	\$ 10,000	\$ 10,050	\$ (50)	-0.5%
211 Murphy Road Ops. Center	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
1410 Honey Spot Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
171 Murphy Road	\$ 2,041	\$ 1,207	\$ 834	40.9%	\$ 2,041	\$ 1,207	\$ 834	40.9%
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
South Central Facility Operating C	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets Operating Charges	\$ 82,223	\$ 77,100	\$ 5,123	6.2%	\$ 82,223	\$ 77,100	\$ 5,123	6.2%
<b>TOTAL ACCRUED EXPENDITURES</b>	<b>\$ 166,278</b>	<b>\$ 184,059</b>	<b>\$ (17,781)</b>	<b>-10.7%</b>	<b>\$ 166,278</b>	<b>\$ 184,059</b>	<b>\$ (17,781)</b>	<b>-10.7%</b>
<b>OPERATING INCOME (Before Reserves / Transfers)</b>	<b>\$ 1,401,868</b>	<b>\$ 1,537,339</b>	<b>\$ 135,471</b>	<b>9.7%</b>	<b>\$ 1,401,868</b>	<b>\$ 1,537,339</b>	<b>\$ 135,471</b>	<b>9.7%</b>
<b>DISTRIBUTION OF PD OPERATING INCOME</b>								
General Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Severance	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets major Maintenance	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
PD Improvement Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<b>TOTAL DISTRIBUTIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>n/a</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>n/a</b>
<b>SURPLUS / (DEFICIT)</b>	<b>\$ 1,401,868</b>	<b>\$ 1,537,339</b>	<b>\$ 135,471</b>	<b>9.7%</b>	<b>\$ 1,401,868</b>	<b>\$ 1,537,339</b>	<b>\$ 135,471</b>	<b>9.7%</b>

Property Division and CSWS Flow of Funds

Period Ending: **July 31, 2018**  
 Transfer Date: **August 7, 2018**  
 Funding: **September 2018**

Property Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 1,000.00		\$ 1,665,095.06		\$ 1,665,095.06	\$ 1,000.00
Property Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating Fund	\$ 1,596,306.33	\$ 3,835.62	\$ 174,575.60		\$ 152,073.38	\$ 1,577,639.73
PD General Fund	\$ 8,022,060.84	\$ 13,429.62		\$ (3,000,000.00)		\$ 5,035,490.46
PD Improvement Fund	\$ 9,054.99					\$ 9,054.99
Jets Major Maintenance	\$ 703,000.00					\$ 703,000.00
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below			\$ 3,000,000.00	\$ 1,513,021.68	Combined Below
<b>Total</b>	<b>\$ 10,330,422.16</b>	<b>\$ 17,265.24</b>	<b>\$ 174,575.60</b>	<b>\$ -</b>	<b>\$ 1,665,095.06</b>	<b>\$ 7,325,185.18</b>
CSWS Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 40,000.00		\$ 4,312,123.22		\$ 4,312,123.22	\$ 40,000.00
CSWS Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating STIF	\$ 8,433,353.78	\$ 13,401.76	\$ 2,812,890.77		\$ 4,365,179.24	\$ 9,999,044.01
Debt Service Fund	\$ 3,875.01					\$ 3,875.01
General Fund	\$ 1,059.56	\$ 1.81				\$ 1,061.37
CSWS Risk Fund	\$ 862,852.59	\$ 1,444.52				\$ 864,297.11
CSWS Legal Fund	\$ 614,669.08	\$ 1,029.01				\$ 615,698.09
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below				\$ 1,000,000.00	Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ (1,053,056.02)	Combined Below
<b>Total</b>	<b>\$ 9,915,810.02</b>	<b>\$ 15,877.10</b>	<b>\$ 2,812,890.77</b>	<b>\$ -</b>	<b>\$ 4,312,123.22</b>	<b>\$ 11,483,975.59</b>
Combined						
Severance Fund	\$ 725,302.47	\$ 1,214.23			\$ -	\$ 726,516.70
CSWS Improvement Fund	\$ 3,363,661.71		\$ 1,665,374.00		\$ 1,000,000.00	\$ 2,698,287.71
CSWS Tip Fee Stabilization	\$ 1,753,112.33	\$ 2,698.07		\$ 3,000,000.00	\$ 459,965.66	\$ 5,215,776.06
Other Division Balances	Beginning Balance	Interest [+]	Receipts [+]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
General Fund Checking	\$ 900,717.50		\$ 297,971.83	\$ 258,137.00		\$ 940,552.33
Hartford Solar Reserve	\$ 322,149.02	\$ 539.29				\$ 322,688.31
Pollution Insurance Reserve	\$ 181,208.80	\$ 303.35				\$ 181,512.15
Landfill Operating Account	\$ 2,602,659.37		\$ 40,730.80	\$ 60,012.45		\$ 2,583,377.72

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 and Mid-Connecticut reserves not subject to disbursement or funding in accordance with adopted flow of funds. \$3,000,000 was transferred from the PD General Fund to the CSWS Tip Fee Stabilization Fund which was approved by the Board in February 2018 as part of the FY19 budget. At the beginning of January 2018, CSWS received \$8,200,170 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 July 31, 2018, \$5,859,823 in prepaid tip fees have been applied to pay customer invoices and \$2,340,347 remained available on customer accounts. After the distribution of July receipts, \$27,667,551.35 remained due to the Tip Fee Stabilization Fund from CSWS. YTD \$1,513,021.68 has been contributed to the CSWS Tip Fee Stabilization reserve from receipts and \$3,000,000 has been contributed from the PD General Fund for a total of \$4,513,021.68.

Materials Innovation and Recycling Authority  
 FY 2019 Board of Directors Financial Report  
 CSWS Improvement Fund Status

Narrative

Period Ending: 07/31/18

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
<b>WASTE PROCESSING FACILITY</b>						
Trommels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Conveyors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MSW / RDF Tip Floor Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loaders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Rolling Stock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>POWER BLOCK FACILITY</b>						
Boiler 11	\$ 100,000	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ 100,000
Boiler 12	\$ 1,100,000	\$ 1,125,850	\$ (25,850)	\$ 1,100,000	\$ 1,125,850	\$ (25,850)
Boiler 13	\$ 100,000	\$ 75,600	\$ 24,400	\$ 100,000	\$ 75,600	\$ 24,400
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ 300,000	\$ 300,000	\$ -	\$ 300,000	\$ 300,000	\$ -
Auxiliary Systems	\$ -	\$ 108,924	\$ (108,924)	\$ -	\$ 108,924	\$ (108,924)
Building Repairs	\$ 65,000	\$ -	\$ 65,000	\$ 65,000	\$ -	\$ 65,000
Roof Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Switch Yard / Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
M Caps	\$ -	\$ 55,000	\$ (55,000)	\$ -	\$ 55,000	\$ (55,000)
PBF Sub-total	\$ 1,665,000	\$ 1,665,374	\$ (374)	\$ 1,665,000	\$ 1,665,374	\$ (374)
<b>TRANSFER STATIONS</b>						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watetown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL CSWS IMPROVEMENT FUND</b>	<b>\$ 1,665,000</b>	<b>\$ 1,665,374</b>	<b>\$ (374)</b>	<b>\$ 1,665,000</b>	<b>\$ 1,665,374</b>	<b>\$ (374)</b>

Materials Innovation and Recycling Authority  
 FY 2019 Board of Directors Financial Report

DRAFT

Segmented Income Statement

Period Ending: July 31, 2018

	General Fund	Connecticut Solid Waste System	Mid-Connecticut Project	Southeast Project	Property Division	Landfill Division	Eliminations	Total
<b>Operating Revenues</b>								
Service charges:								
Members	\$ -	\$ 2,726	\$ -	\$ -	\$ -			\$ 2,726
Others	-	1,264	-	-	-			1,264
Energy sales	-	1,282	-	-	1,638	-		2,920
Other operating revenues	-	297	-	-	83	-		380
<b>Total Operating Revenues</b>	-	5,569	-	-	1,721	-	-	7,290
<b>Operating Expenses</b>								
Solid waste operations	-	4,093	(2)	-	117	106	(29)	4,285
Maintenance and utilities	-	152	-	-	17	-	-	169
Legal services - external	-	-	2	-	(13)	-	-	(11)
Administrative and Operational services	-	310	-	-	56	24	-	390
<b>Total Operating Expenses</b>	-	4,555	-	-	177	130	(29)	4,833
<b>Operating Income (Loss) before Depreciation and Amortization</b>	-	1,014	-	-	1,544	(130)	29	2,457
Depreciation and amortization	-	-	-	-	-	-	0	-
<b>Operating Income (Loss)</b>	-	1,014	-	-	1,544	(130)	29	2,457
<b>Non-Operating Revenues (Expenses)</b>								
Investment income	-	1	-	-	-	-	-	1
Settlement income (expenses)	-	-	-	-	-	-	-	-
Other income (expenses)	-	-	(88)	-	-	-	-	(88)
Distribution to SCRRRA	-	-	-	(656)	-	-	-	(656)
<b>Non-Operating Revenues (Expenses), net</b>	-	1	(88)	(656)	-	-	-	(743)
<b>Income (Loss) before Transfers</b>	-	1,015	(88)	(656)	1,544	(130)	29	1,714
Transfers in (out)	-	-	-	(406)	29	-	(29)	(406)
<b>Change in Net Position</b>	-	1,015	(88)	(1,062)	1,573	(130)	-	1,308
<b>Total Net Position, beginning of period</b>	1,699	7,623	2,083	-	86,222	21,694	-	119,321
<b>Total Net Position, end of period</b>	\$ 1,699	\$ 8,638	\$ 1,995	\$ (1,062)	\$ 87,795	\$ 21,564	\$ -	\$ 120,629
<b>RECONCILIATION TO VARIANCE REPORT:</b>								
Add: Expenses paid from reserves	-	-	-	-	-	-	-	-
Add: Amortization	-	-	-	-	-	-	-	-
less: GAAP Exp (Deferred for Budget)	-	-	-	-	(7)	-	-	(7)
add: Spare parts and fuel inventory adjustment	-	-	-	-	-	-	-	-
add: Capitalized expenses net of asset disposals	-	-	-	-	-	-	-	-
add: Settlement income	-	-	-	-	-	-	-	-
<b>Operating Income (Loss) per Variance report</b>	n/a	1,015	n/a	n/a	1,537	n/a	n/a	2,552

ties with CSWS financials tab

ties with PD financials tab

Page 12 of 12 Pages

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

Note: Eliminations and depreciation are preliminary amounts.

## THE AUTHORITY - FINANCIAL RESULTS

*For the Period Ending July 31, 2018*

DETAILS	MONTH TO DATE				YEAR TO DATE				
	Budget	Actual	Variance		Budget	Actual	Variance		
<b><u>Authority Budget</u></b>									
Personnel Services	\$ 198,061	\$ 192,892	\$ 5,169	2.61%	\$ 198,061	\$ 192,892	\$ 5,169	2.61%	
Non-Personnel Services (a)	\$ 55,863	\$ 65,245	\$ (9,381)	-16.79%	\$ 55,863	\$ 65,245	\$ (9,381)	-16.79%	
<b>TOTAL AUTHORITY BUDGET</b>	<b>\$ 253,924</b>	<b>\$ 258,137</b>	<b>\$ (4,212)</b>	<b>-1.66%</b>	<b>\$ 253,924</b>	<b>\$ 258,137</b>	<b>\$ (4,212)</b>	<b>-1.66%</b>	
<b><u>Authority Budget Allocation</u></b>									
Interest Earnings (Quarterly)	\$ -	\$ -	\$ -	100.00%	\$ -	\$ -	\$ -	100.00%	
Landfill Division (3.362%)	\$ 8,538	\$ 8,673	\$ (135)	-1.59%	\$ 8,538	\$ 8,673	\$ (135)	-1.59%	
Property Division (18.503%)	\$ 46,983	\$ 47,755	\$ (772)	-1.64%	\$ 46,983	\$ 47,755	\$ (772)	-1.64%	
CSWS Division (78.135%)	\$ 198,403	\$ 201,708	\$ (3,305)	-1.67%	\$ 198,403	\$ 201,708	\$ (3,305)	-1.67%	
<b>TOTAL AUTHORITY BUDGET</b>	<b>\$ 253,924</b>	<b>\$ 258,137</b>	<b>\$ (4,212)</b>	<b>-1.66%</b>	<b>\$ 253,924</b>	<b>\$ 258,137</b>	<b>\$ (4,212)</b>	<b>-1.66%</b>	
<b><u>MIRA Direct Personnel</u></b>									
Landfill Division	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a	
Property Division	\$ 10,010	\$ 10,091	\$ (81)	-0.81%	\$ 10,010	\$ 10,091	\$ (81)	-0.81%	
CSWS Division	\$ 134,582	\$ 131,575	\$ 3,007	2.23%	\$ 134,582	\$ 131,575	\$ 3,007	2.23%	
<b>TOTAL MIRA DIRECT</b>	<b>\$ 144,592</b>	<b>\$ 141,666</b>	<b>\$ 2,927</b>	<b>2.02%</b>	<b>\$ 144,592</b>	<b>\$ 141,666</b>	<b>\$ 2,927</b>	<b>2.02%</b>	
<b><u>Total Allocation</u></b>									
Landfill Division	\$ 8,538	\$ 8,673	\$ (135)	-1.59%	\$ 8,538	\$ 8,673	\$ (135)	-1.59%	
Property Division	\$ 56,993	\$ 57,846	\$ (853)	-1.50%	\$ 56,993	\$ 57,846	\$ (853)	-1.50%	
CSWS Division	\$ 332,985	\$ 333,283	\$ (298)	-0.09%	\$ 332,985	\$ 333,283	\$ (298)	-0.09%	
<b>TOTAL AUTHORITY &amp; MIRA DIRECT</b>	<b>\$ 398,516</b>	<b>\$ 399,802</b>	<b>\$ (1,286)</b>	<b>-0.32%</b>	<b>\$ 398,516</b>	<b>\$ 399,802</b>	<b>\$ (1,286)</b>	<b>-0.32%</b>	
<b>TOTAL RESOURCE REDISCOVERY *</b>	<b>\$ 20,833</b>	<b>\$ 15,625</b>	<b>\$ 5,209</b>	<b>25.00%</b>	<b>\$ 20,833</b>	<b>\$ 15,625</b>	<b>\$ 5,209</b>	<b>25.00%</b>	

\* Reflects legal fees of approximately \$16k related to the Resource Rediscovery; BOD approved in June 2018 funding of \$250k from the the Landfill Division Operating account

### **YTD VARIANCE EXPLANATION**

(a) Unfavorable primarily due to timing of insurance premiums related to extension of property insurance.

# TAB B

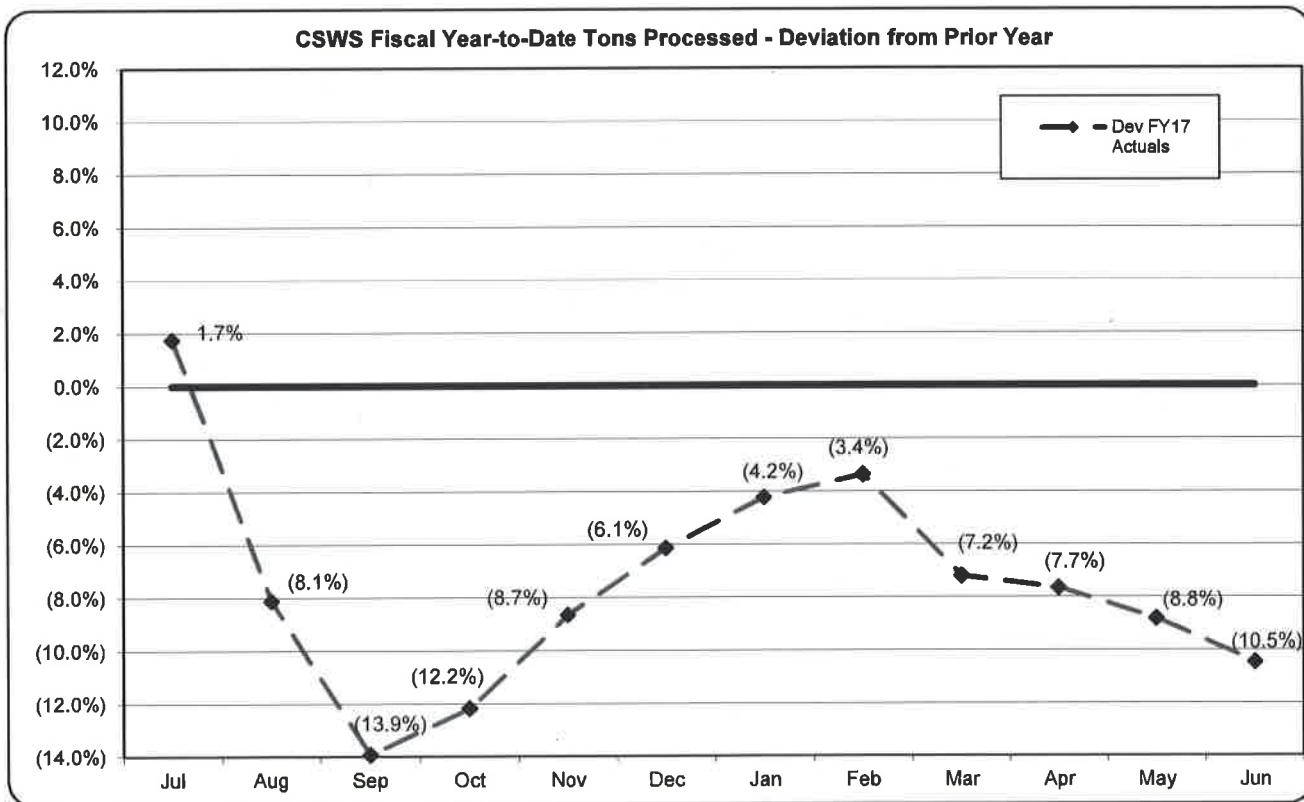
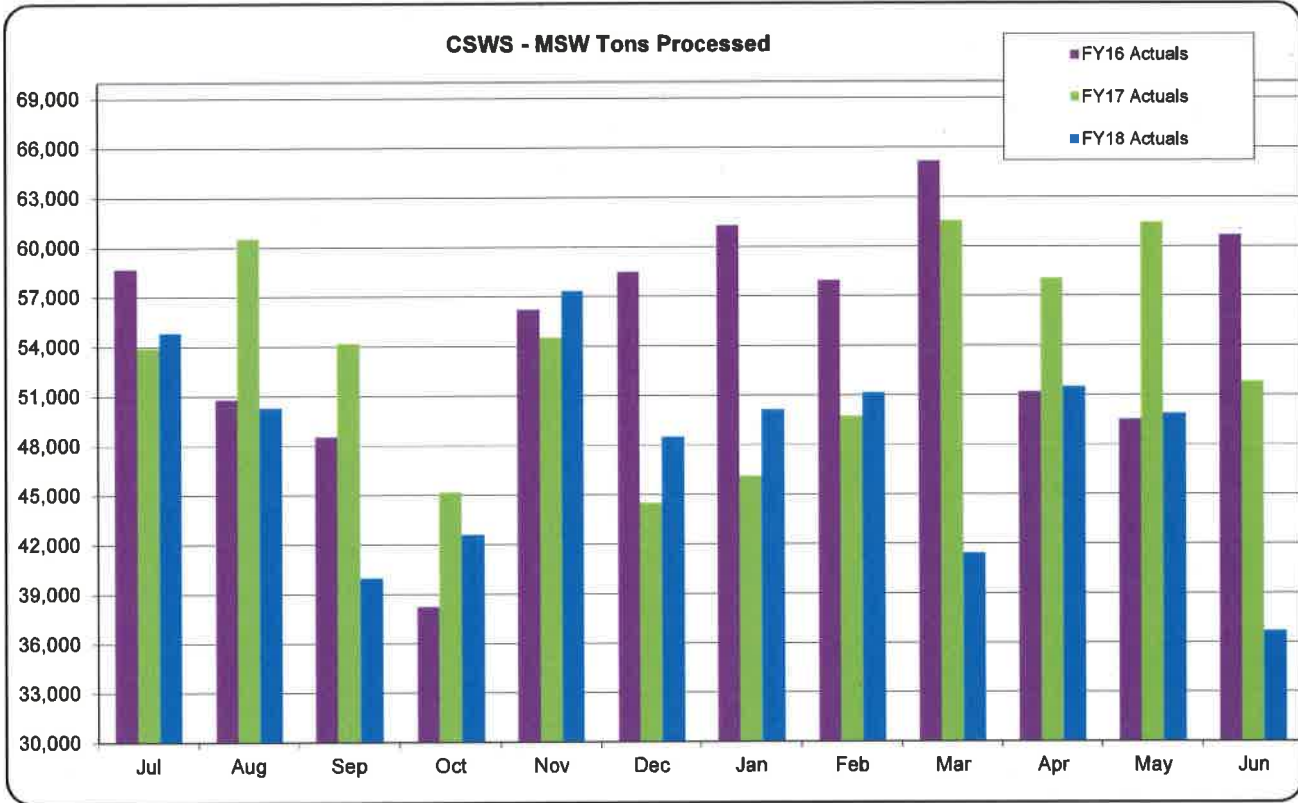


**MATERIALS INNOVATION AND RECYCLING AUTHORITY**  
**Monthly Operational Summary**  
**June-18**

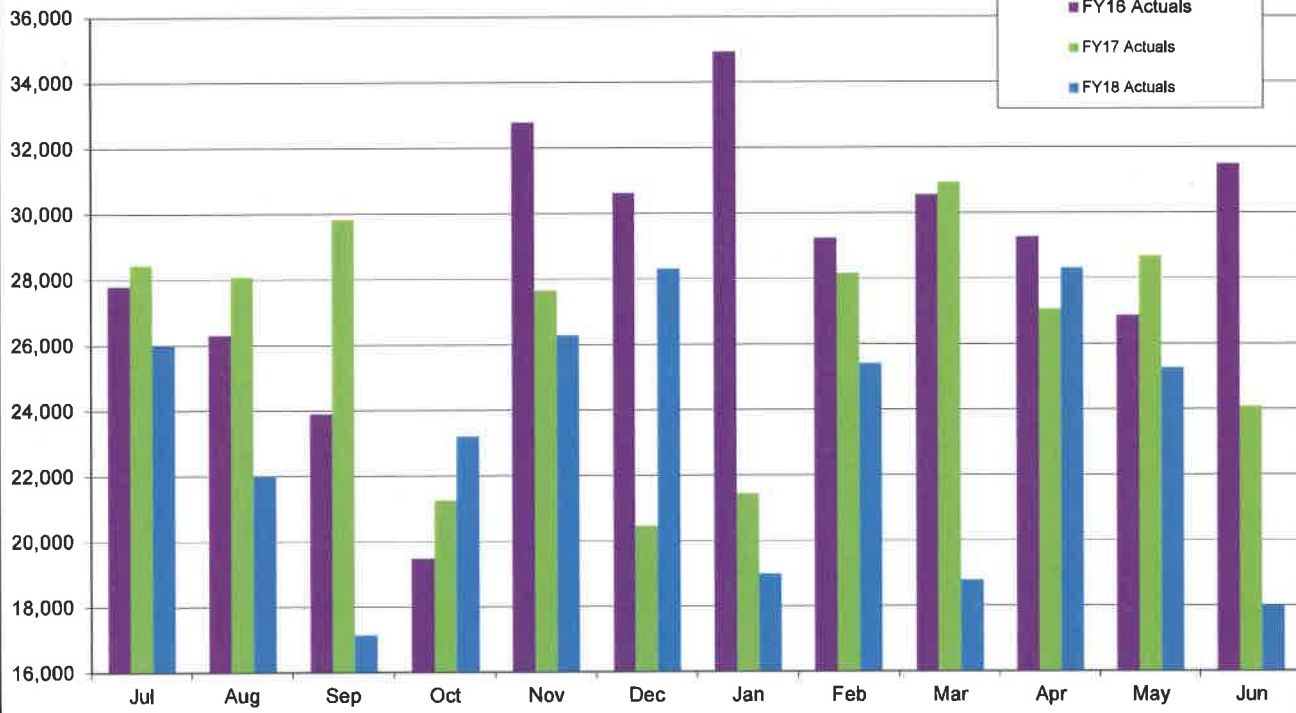
This report provides information on the operations of the CSWS waste-to-energy plant along with the South Meadows Jets. The following table provides a summary of key operating parameters.

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Change	2017	2018	Change	Jun 17	Jun 18	Change
<b>CSWS</b>									
Tons MSW Processed	656,915	641,541	(2.3%)	641,541	574,438	(10.5%)	51,826	36,705	(29.2%)
Steam (klbs)	4,324,840	4,082,029	(5.6%)	4,082,029	3,411,233	(16.4%)	303,759	213,890	(29.6%)
(% MCR)	71.2%	67.2%		67.2%	56.2%		60.9%	42.9%	
Power (Net MWh)	343,284	316,092	(7.9%)	316,092	277,692	(12.1%)	24,090	17,982	(25.4%)

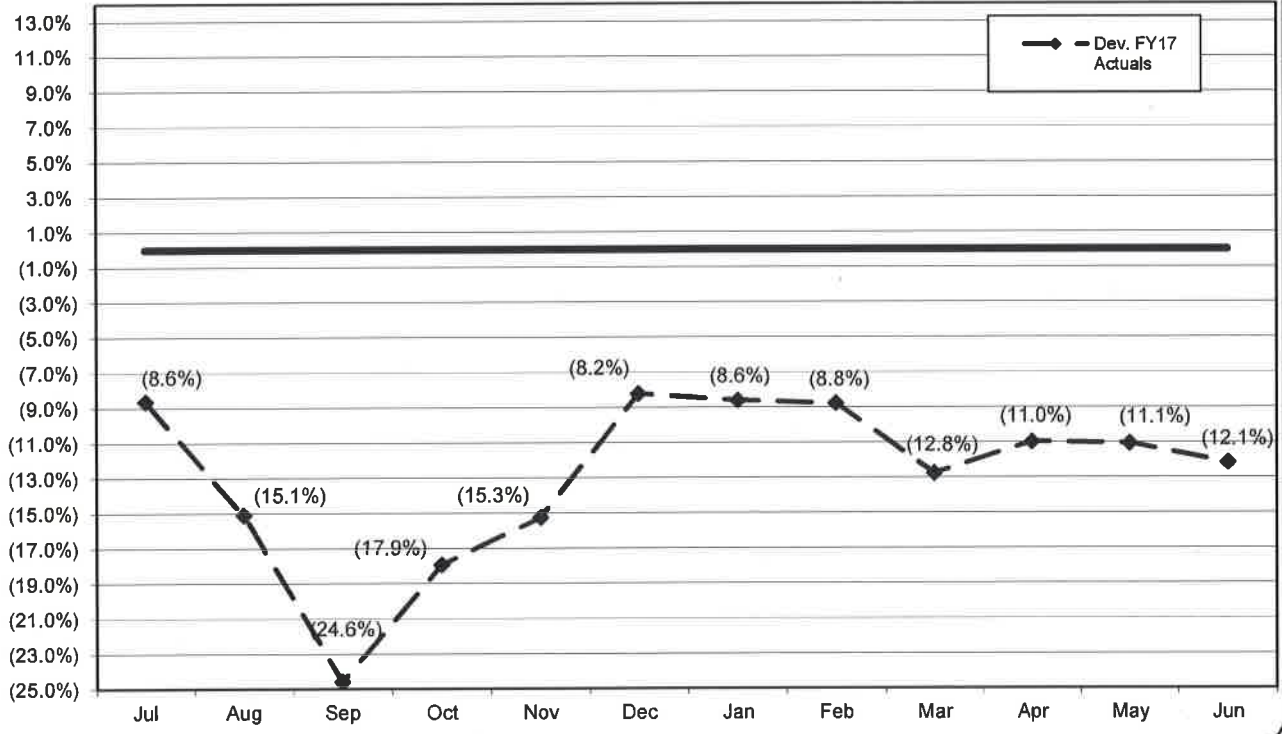
<b>South Meadow Jets</b>									
Net MWh	1,635	1,298	(20.6%)	1,298	1,479	14.0%	0	0	-



**CSWS - Net Power Produced**



**CSWS Fiscal Year-to-Date Power Sold - Deviation from Prior Year**



## CSWS Waste to Energy Plant Monthly Operational Summary

### Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Jul 17	70%	68%	56%
Aug 17	77%	39%	56%
Sep 17	74%	17%	48%
Oct 17	71%	42%	55%
Nov 17	73%	83%	35%
Dec 17	79%	64%	52%
Jan 18	60%	39%	43%
Feb 18	69%	70%	49%
Mar 18	68%	39%	24%
Apr 18	61%	54%	82%
May 18	67%	55%	57%
Jun 18	37%	33%	59%

### Unscheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
07/26/17	07/27/17	11	40.90	Derailed Grate
07/31/17	07/31/17	11	24.00	Tube Bank Leaks / Waterwall Leak
07/12/17	07/16/17	12	108.10	Offline due to High Baghouse delta P and low load
07/24/17	07/27/17	13	73.00	Scrubber outlet duct plugged
08/01/17	08/02/17	11	28.90	Tube Bank Leaks / Waterwall Leak
08/03/17	08/04/17	11	13.10	Failed SSC Hydraulic Drive Motor
08/03/17	08/03/17	12	14.00	Derailed SSC / High Baghouse Delta P
08/04/17	08/08/17	12	97.10	PSH & SSH Leaks / High Baghouse Delta P
08/19/17	08/19/17	12	11.00	Derailed SSC
08/20/17	08/21/17	12	47.50	Derailed SSC / Major Tube Leak by CSU & PSH/SSH
08/02/17	08/02/17	13	1.50	High Baghouse Delta P
08/04/17	08/04/17	13	0.10	High Baghouse Delta P
08/09/17	08/12/17	13	80.80	PSH & SSH Leaks / Restricted Baghouse
08/24/17	08/26/17	13	54.10	Tube Leaks
08/29/17	08/31/17	12	62.90	Tube Leaks
08/29/17	08/31/17	13	72.00	High Baghouse Delta P / Multiple Hoses in Air Duct
09/11/17	09/11/17	11	9.80	Loss of RDF from Motor Breaker Issue
09/01/17	09/05/17	12	113.80	PSH & SSH Leaks
09/14/17	09/19/17	12	146.40	High Baghouse Delta P & Tube Leaks
09/01/17	09/02/17	13	44.90	High Baghouse Delta P & Holes in Air Duct
09/11/17	09/11/17	13	14.80	Loss of RDF from Motor Breaker Issue
09/12/17	09/16/17	13	106.10	PSH & SSH Leaks / Restricted Baghouse
09/25/17	09/26/17	13	2.90	High Baghouse Delta P / Single RDF Train Operation
09/27/17	09/30/17	13	85.80	PSH & SSH Leaks / High Baghouse Delta P
10/04/17	10/06/17	11	55.60	Waterwall Leaks
10/17/17	10/19/17	11	59.90	Waterwall Tube Leaks
10/22/17	10/22/17	12	0.30	RDF Vibrating Pan Plugs/Augers
10/02/17	10/02/17	13	0.10	PSH & SSH Leaks / High Baghouse Delta P
10/06/17	10/11/17	13	112.00	PSH & SSH Leaks
10/23/17	10/28/17	13	122.10	Waterwall Leaks / PSH & SSH Leaks

**Unscheduled Downtime**

**Continue**

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
10/30/17 *	10/31/17	13	38.70	Waterwall Leaks / PSH & SSH Leaks
11/29/17	11/29/17	11	0.30	Various RDF Feed Issues
11/30/17	11/30/17	11	24.00	Ash Transfer Conveyor Replacement & Waterwall Leaks
11/01/17	11/02/17	13	48.00	Tube Leaks / PSH & SSH Leaks
11/03/17	11/03/17	13	17.10	Condenser Tube Leak
11/05/17	11/05/17	13	1.70	RDF Vibrating Pan Plugs/ Condenser Tube Leak
11/10/17	11/14/17	13	105.50	Tube Leaks / PSH & SSH Leaks
11/20/17	11/22/17	13	50.80	Tube Leaks / PSH & SSH Leaks
11/25/17	11/30/17	13	135.90	Tube Leaks / PSH & SSH Leaks (Major Outage)
12/01/17	12/01/17	11	12.90	Conveyor Replacement / Waterwall Tube Leaks
12/13/17	12/13/17	11	0.70	Waterwall Tube Leaks
12/14/17	12/16/17	11	53.90	Waterwall Tube Leaks / Generator Bank Tube Leaks
12/06/17	12/09/17	12	66.80	Derailed SSC & Waterwall Tube Leaks
12/28/17	12/30/17	12	69.00	Cleanout of Baghouse inlet Ducts & Hopper / WW Tube Leaks
12/01/17	12/09/17	13	216.00	Waterwall Tube Leaks / PSH & SSH Leaks
12/10/17	12/10/17	13	1.10	High Baghouse Delta P / Airflow Restrictions
12/18/17	12/22/17	13	82.80	Plugged Baghouse inlet Ducts & Hoppers / Waterwall Tube Leaks
01/11/18	01/11/18	11	2.10	RDF Feed Issue
01/12/18	01/12/18	11	0.10	RDF Vibrating Pan Plugs
01/16/18	01/23/18	11	176.80	Furnace Waterwall & Generation Bank Tube Leaks
01/09/18	01/21/18	12	288.10	Plugged Baghouse inlet Ducts & Hoppers
01/26/18	01/28/18	12	46.20	High Baghouse delta P
01/06/18	01/12/18	13	147.50	Plugged Baghouse inlet Ducts & Hoppers
01/24/18	01/29/18	13	132.70	High Baghouse delta P
02/08/18	02/12/18	13	113.40	Opacity
02/20/18	02/23/18	13	76.00	PSH & SSH Leaks / High Baghouse Delta P
02/26/18	02/28/18	13	54.80	PSH & SSH Leaks
03/26/18	03/30/18	11	107.20	Cold Iron Outage - BLR#12 Main Steam non-return valve
03/01/18	03/02/18	12	23.00	Derailed SSC
03/09/18	03/12/18	12	40.00	RDF Fuel Interruption - UPS Panel Fire at WPF
03/16/18	03/20/18	12	82.20	High Baghouse Delta P
03/22/18	03/23/18	12	25.10	Derailed SSC
03/24/18	03/25/18	12	33.90	Tube Leaks
03/26/18	03/30/18	12	113.40	Cold Iron Outage - BLR#12 Main Steam non-return valve
03/26/18	03/30/18	13	105.20	Cold Iron Outage - BLR#12 Main Steam non-return valve
04/11/18	04/15/18	11	107.00	Unscheduled Cleaning w/Tube Leaks
04/19/18	04/19/18	11	4.90	High Axial Thrust
04/20/18	04/20/18	11	24.00	Off-Line due to turbine operation - damaged thrust bearing
04/21/18	04/21/18	11	9.00	Opacity
04/26/18	04/28/18	11	44.80	Waterwall Tube Leak
04/07/18	04/10/18	12	68.00	Generation Tube Bank Leak
04/19/18	04/19/18	12	2.70	High Axial Thrust
04/20/18	04/20/18	12	0.60	Auger Screw Gear
04/21/18	04/25/18	12	108.90	Off Line due to turbine operation - damaged thrust bearing
04/28/18	04/30/18	12	56.00	Off Line due to turbine operation - damaged thrust bearing
04/17/18	04/17/18	13	16.80	Ash Transfer Belt
04/25/18	04/26/18	13	44.60	Waterwall Tube Leak
05/07/18	05/08/18	11	48.00	Waterwall Tube Leak

\* Revised June 2018 (original 24, added 14.70)

**Unscheduled Downtime**

**Continue**

Date Began	Date Ended	Boiler	Duration (Hrs.)	Work Performed
05/21/18	05/24/18	11	59.60	Waterwall Tube Leak
05/28/18	05/29/18	11	15.90	Opacity
05/01/18	05/06/18	12	120.80	Off-Line due to turbine operation - damaged thrust bearing
05/11/18	05/12/18	12	30.90	Derailed Grate - Pin Break
05/27/18	05/29/18	12	58.90	Generation Tube Bank / Waterwall Tube Leak
05/30/18	05/31/18	12	33.00	Broken Grate
06/23/18	06/24/18	11	9.50	Loss of Baghouse reverse gas fan motor
06/02/18	06/06/18	12	57.70	Generation Tube Bank / Opacity
06/21/18	06/22/18	12	38.90	Generation Tube Bank
06/27/18	06/29/18	12	50.00	Furnace Waterwall Leaks
05/14/18	05/17/18	13	86.50	Offline due to High Baghouse delta P / Low Air Flow
05/18/18	05/18/18	13	13.90	Offline due to High Baghouse delta P / Opacity
05/19/18	05/25/18	13	148.80	Offline due to High Baghouse delta P / Low Air Flow
07/10/17	07/13/17	11	73.80	Scheduled Cleaning Outage
07/18/17	07/23/17	13	108.90	Scheduled Cleaning Outage (early) w/broken grate
08/22/17	08/26/17	12	107.10	Scheduled Cleaning Outage (early) Tube Leaks
09/05/17	09/08/17	11	86.70	Scheduled Cleaning Outage (early) Tube Leaks

**Scheduled Downtime**

09/20/17	09/30/17	12	253.30	Scheduled Cleaning Outage (early) Tube Leaks
10/01/17	10/17/17	12	387.20	Scheduled Cleaning Outage
11/06/17	11/10/17	11	99.80	Scheduled Cleaning Outage
02/26/18	02/28/18	11	72.00	Scheduled Cleaning Outage
03/01/18	03/03/18	11	60.00	Scheduled Cleaning Outage
03/03/18	03/21/18	13	437.70	Scheduled Major Outage (early) w/Thrust Collar Issues
05/14/18	05/15/18	11	38.80	Scheduled Cleaning Outage
06/07/18	06/22/18	11	384.00	Scheduled Major Outage
06/08/18	06/19/18	12	251.00	Scheduled Cold Iron Outage
06/08/18	06/19/18	13	245.70	Scheduled Cold Iron Outage

## SOUTH MEADOWS JETS

### Monthly Operational Summary

Date	Net Generation (MWH)	Comment
07/11/17	54.27	Summer SCCA Testing
07/14/17	4.24	DC Lube Oil Pump Test
07/25/17	4.84	Fuel Repair Test
08/01/17	41.21	ISO-NE Dispatch
08/01/17	1.10	ISO-NE Dispatch
08/03/17	6.12	Diagnose Vibration Test
08/04/17	50.07	Summer SCCA Testing
08/04/17	54.15	Summer SCCA Testing
08/11/17	47.09	ISO-NE Dispatch
09/12/17	100.61	ISO-NE OP23 Testing
10/03/17	44.89	ISO-NE Dispatch
10/12/17	50.66	ISO-NE Dispatch
10/17/17	276.88	ISO-NE Dispatch
10/18/17	2.94	ISO-NE Dispatch
10/22/17	44.86	ISO-NE Dispatch
10/27/17	175.29	Stack Testing
12/18/17	3.02	Transformer Testing
01/18/18	93.91	ISO-NE Dispatch
02/19/18	47.25	ISO-NE Dispatch
03/14/18	157.72	ISO-NE Dispatch
05/29/18	218.28	VAR & Mod-25 Testing

**MATERIALS INNOVATION AND RECYCLING AUTHORITY**  
**Monthly Operational Summary**  
**July-18**

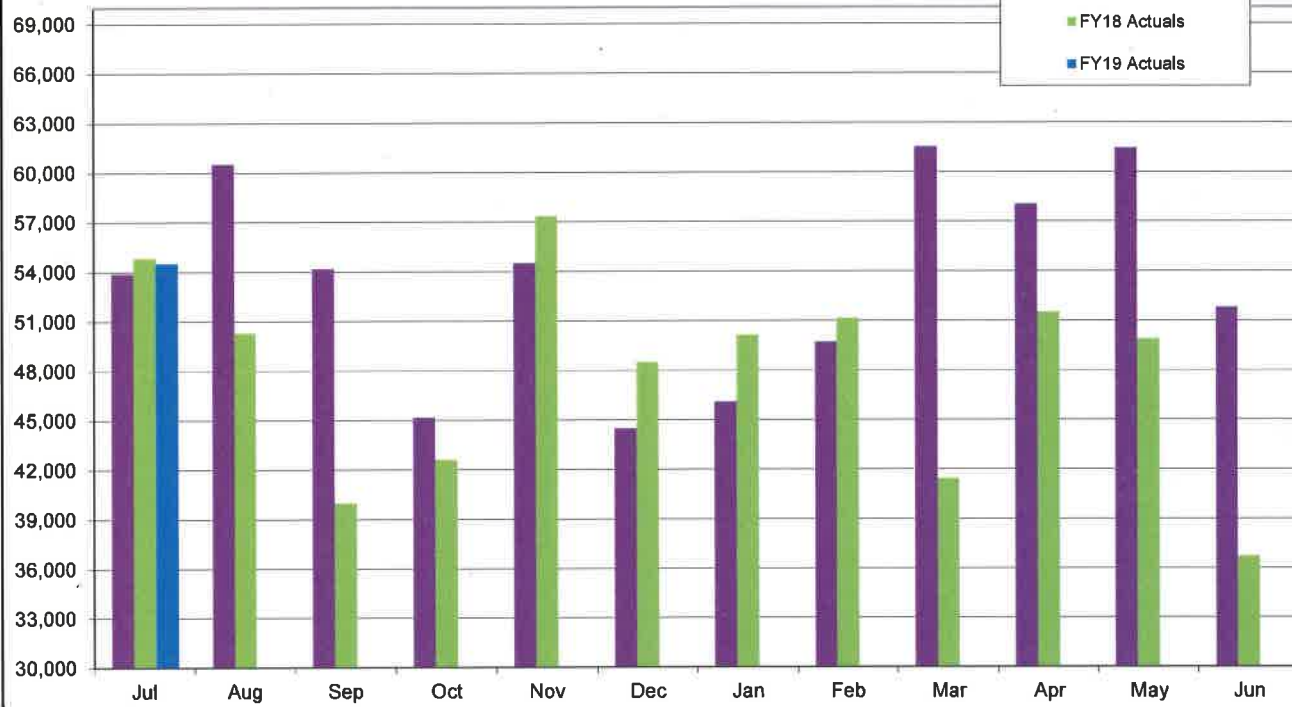
This report provides information on the operations of the CSWS waste-to-energy plant along with the South Meadows Jets. The following table provides a summary of key operating parameters.

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Change	2018	2019	Change	Jul 17	Jul 18	Change
<b>CSWS</b>									
Tons MSW Processed	641,541	574,439	(10.5%)	54,830	54,507	(0.6%)	54,830	54,507	(0.6%)
Steam (klbs)	4,082,029	3,411,233	(16.4%)	333,194	295,061	(11.4%)	333,194	295,061	(11.4%)
(% MCR)	67.2%	56.2%		64.6%	57.2%		64.6%	57.2%	
Power (Net MWh)	316,092	277,692	(12.1%)	25,986	24,150	(7.1%)	25,986	24,150	(7.1%)

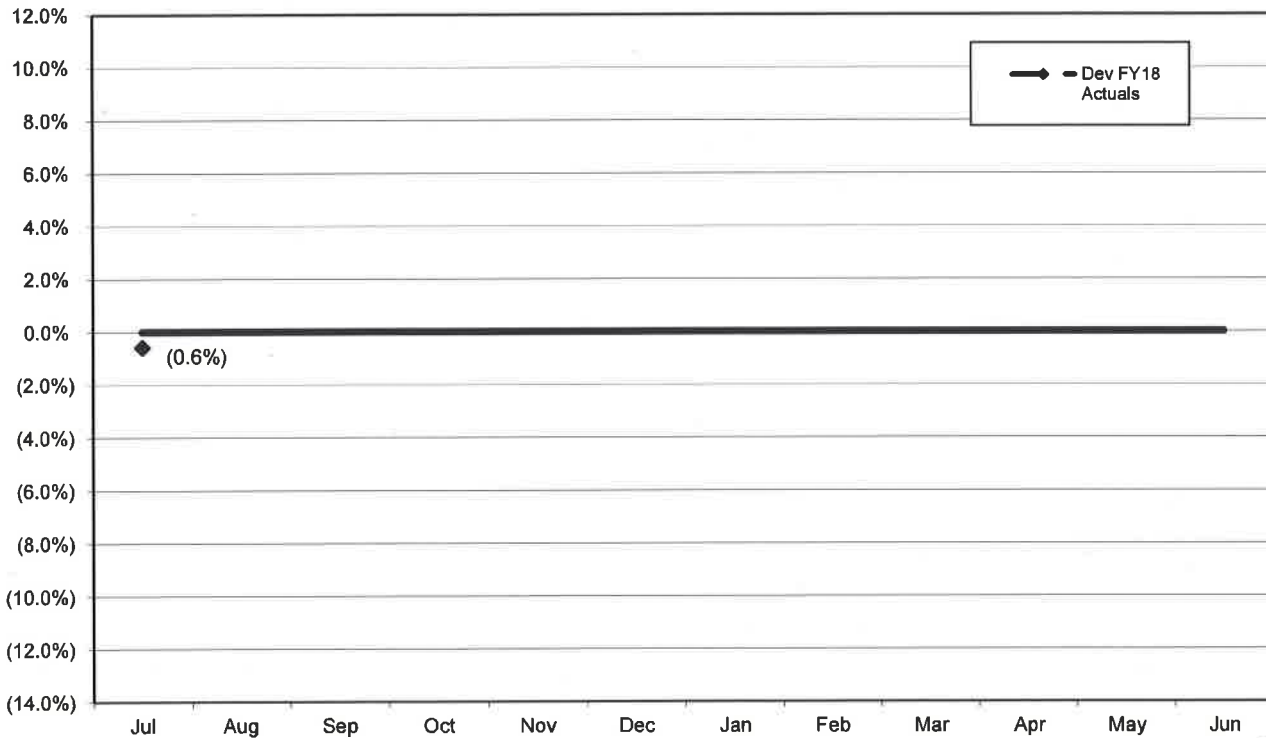
<b>South Meadow Jets</b>									
Net MWh	1,298	1,479	13.9%	63	150	137.0%	63	150	137.0%



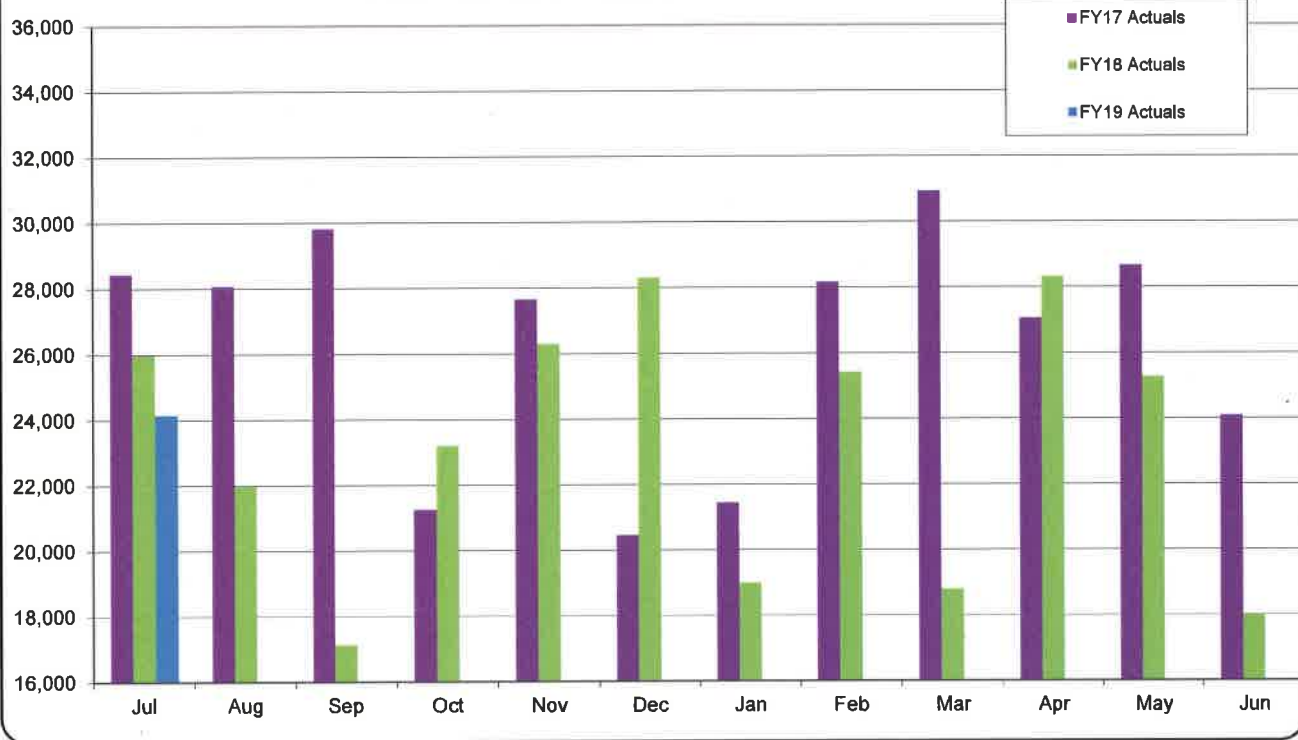
**CSWS - MSW Tons Processed**



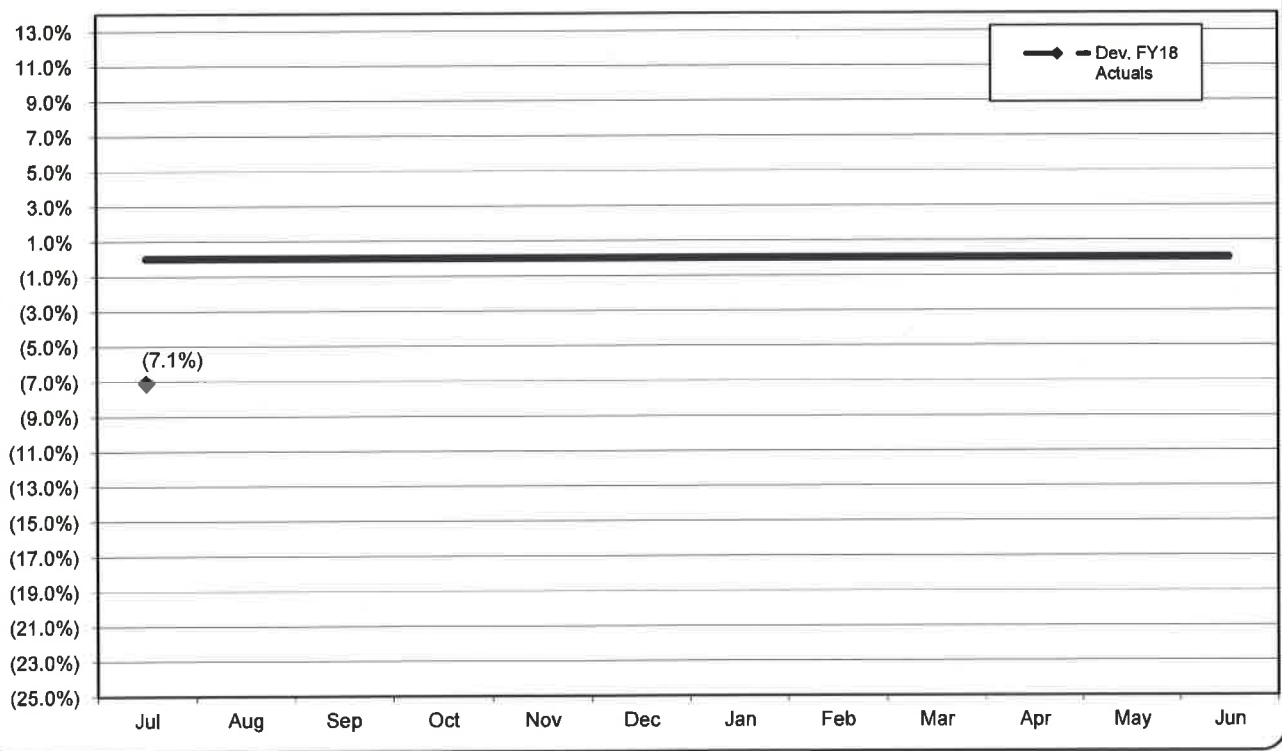
**CSWS Fiscal Year-to-Date Tons Processed - Deviation from Prior Year**



**CSWS - Net Power Produced**



**CSWS Fiscal Year-to-Date Power Sold - Deviation from Prior Year**

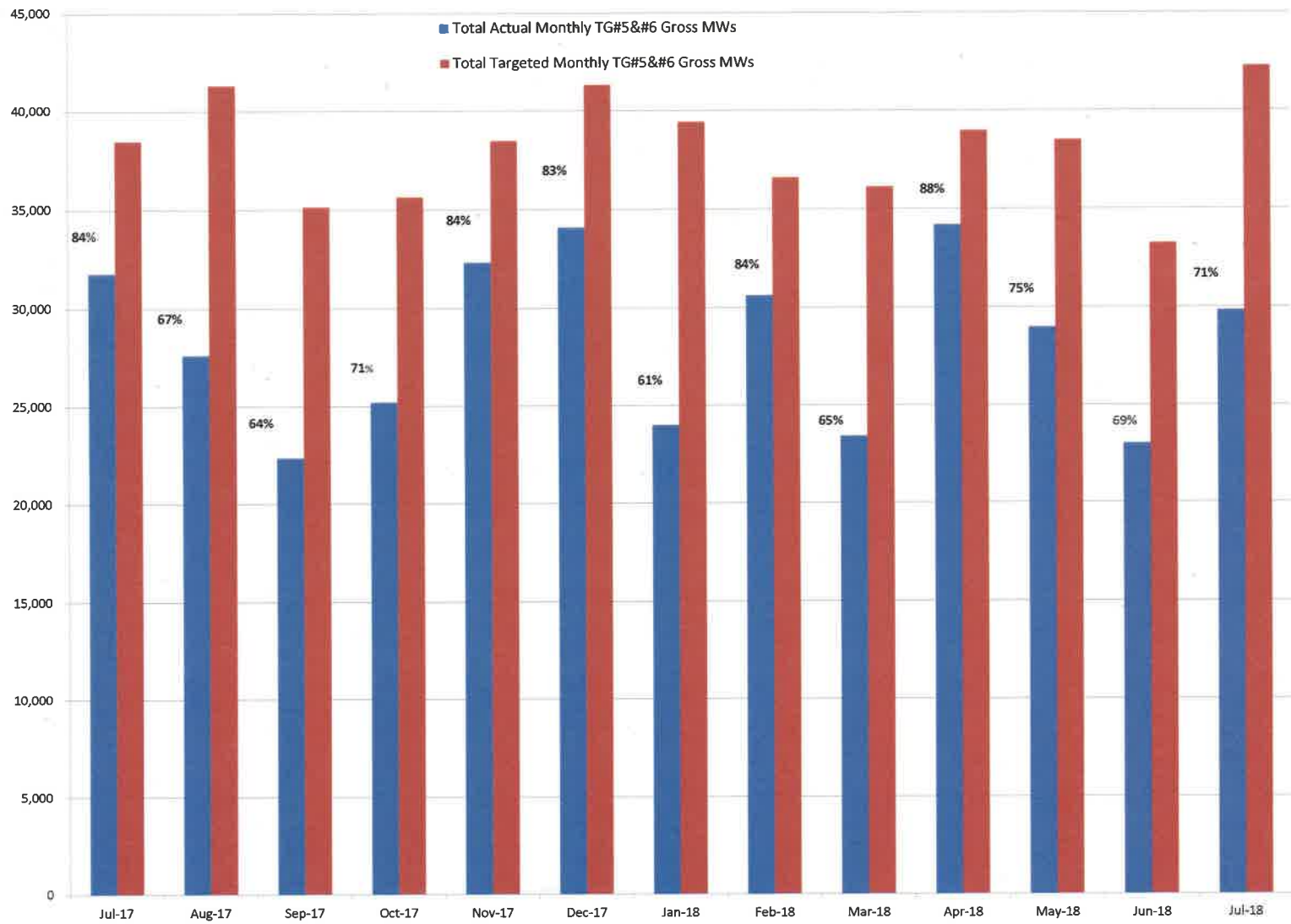




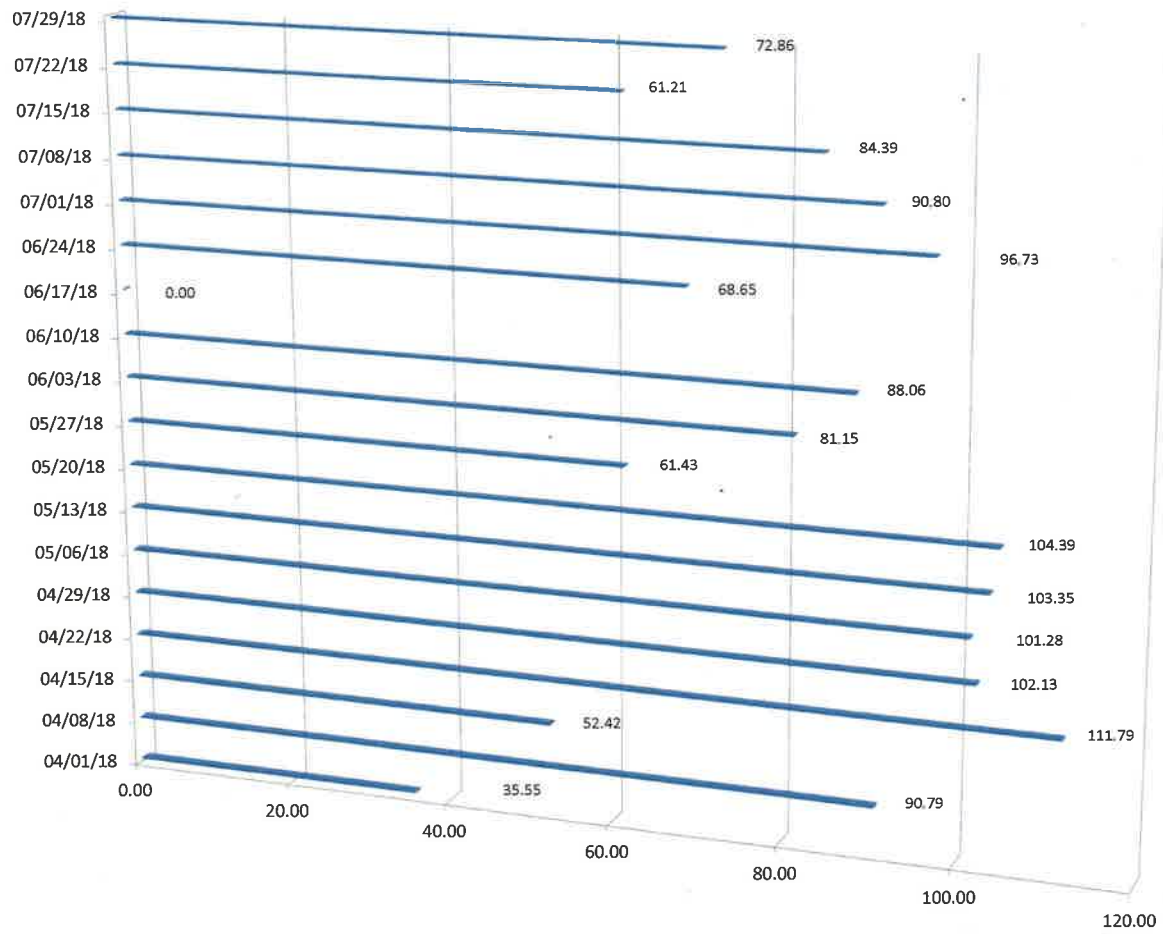
## SOUTH MEADOWS JETS Monthly Operational Summary

Date	Net Generation (MWH)	Comment
07/20/18	94.52	ISO-NE Dispatch
07/27/18	6.84	Summer SCCA Test - Failed Attempt
07/31/18	48.81	Summer SCCA Test - Completed

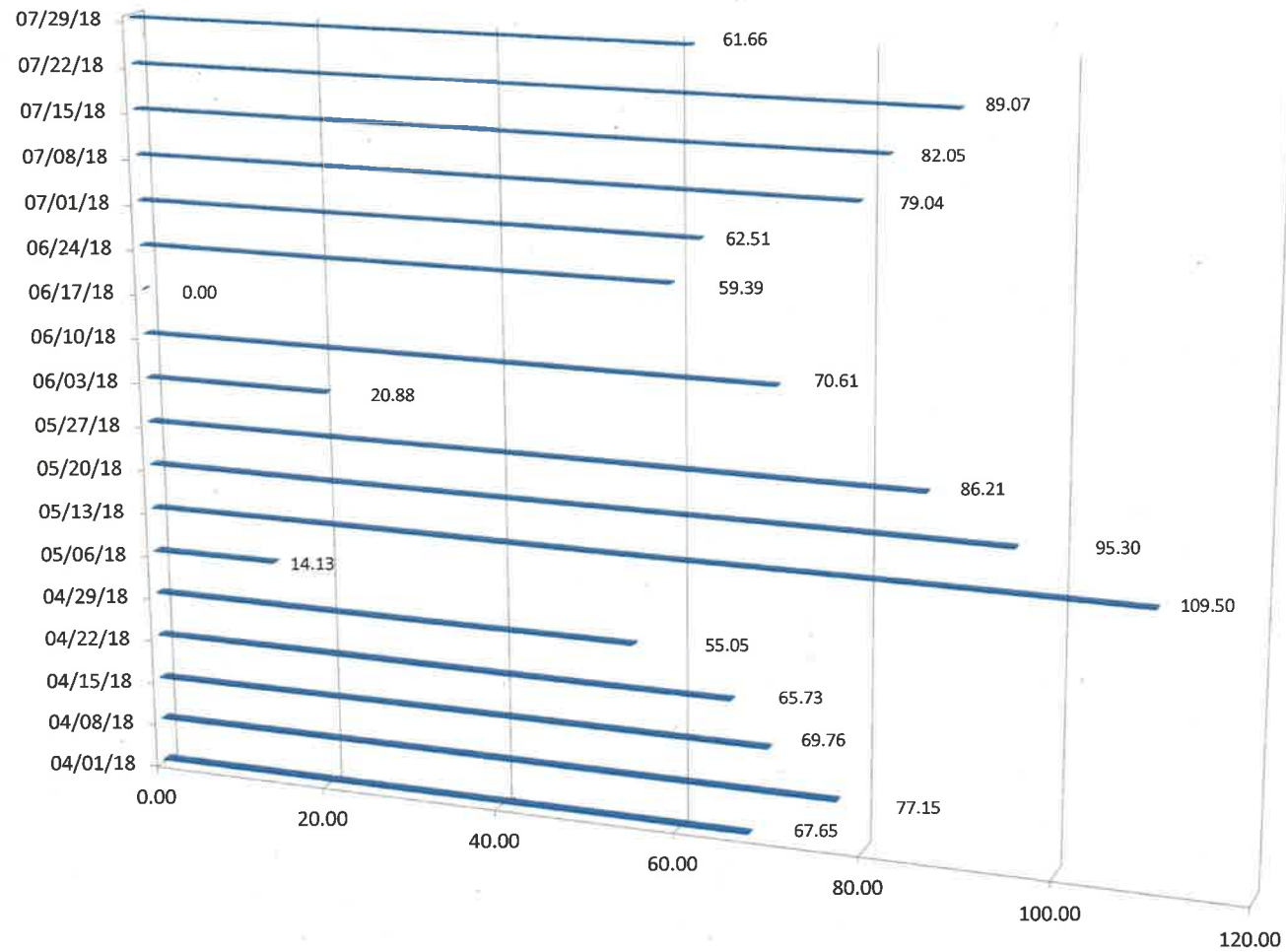
Combined Monthly TG#5&#6 Gross MWs -Actual to Targeted



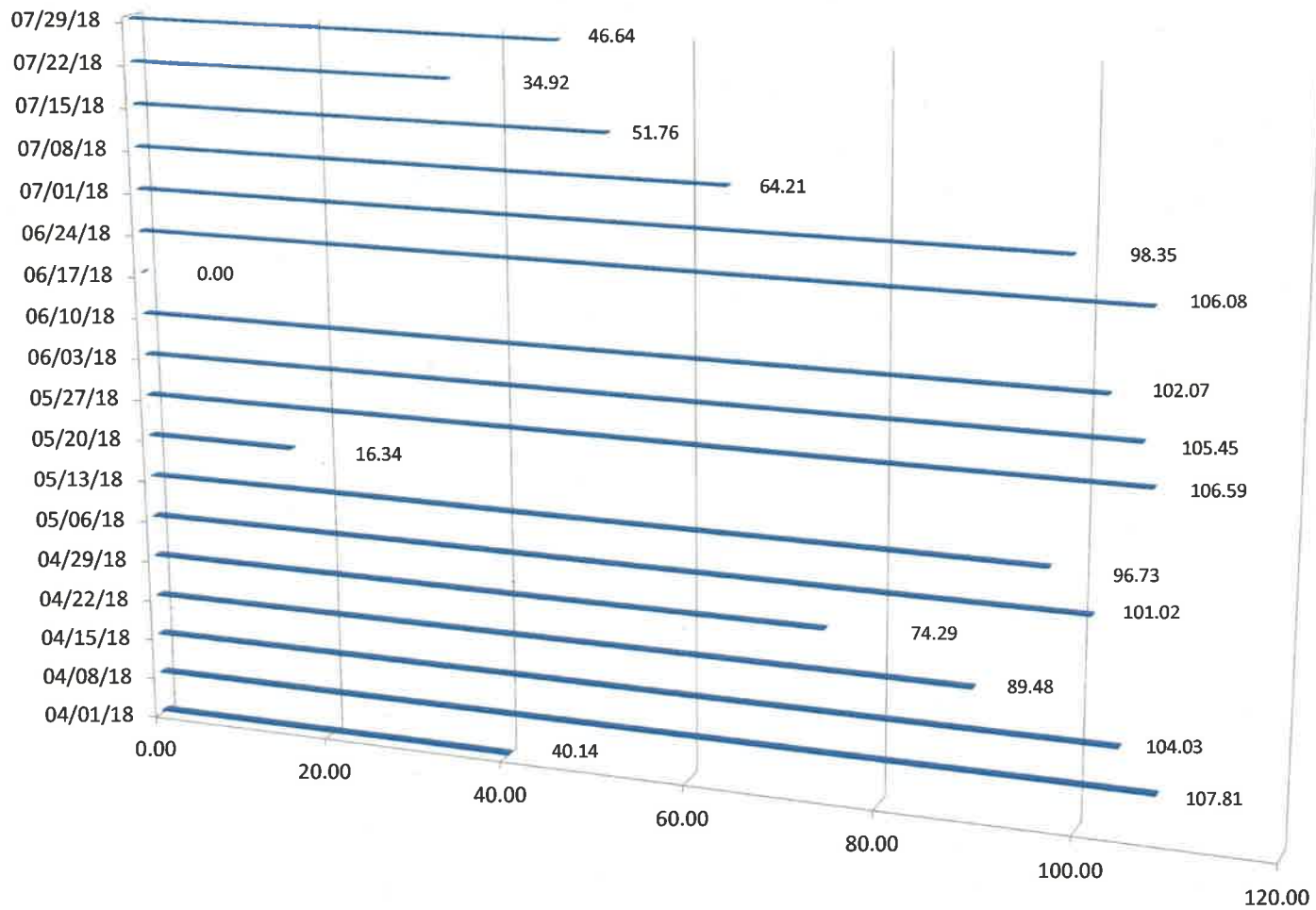
### BLR#11 Steam Flow % of Target Steam flow Production



### BLR#12 Steam Flow % of Target Steam flow Production



### BLR#13 Steam Flow % of Target Steam flow Production





**TAB C**

**MATERIALS INNOVATION AND RECYCLING AUTHORITY**  
**Monthly Customer MSW and Recyclables Deliveries**

**June-18**

**Monthly Customer Delivery Report**

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
<b>CSWS MSW</b>									
Tier 1	346,503	342,348	(1%)	342,348	345,087	1%	31,430	30,773	(2%) (1)
Tier 2	13,214	13,300	1%	13,300	12,969	(2%)	1,299	1,101	(15%) (1)
Tier 3	2,413	2,549	6%	2,549	16	(99%)	237	1	(100%)
Tier 4	9,502	14,706	55%	14,706	15,097	3%	1,498	1,393	(7%)
Non-Processible MSW	1,299	1,926	48%	1,926	1,697	(12%)	188	44	(77%) (1)
Hauler Contract	251,700	246,909	(2%)	246,909	201,005	(19%)	18,072	14,150	(22%)
Contract (FCR Residue)	6,258	8,106	30%	8,106	7,141	(12%)	682	234	(66%) (1)
Ferrous Residue (excess)	3,792	2,745	(28%)	2,745	2,679	(2%)	298	0	(100%)
In-State Spot	15,104	10,110	(33%)	10,110	3,718	(63%)	0	0	-
Out-of-State Spot	477	21	(96%)	21	0	(100%)	0	0	-
<b>MSW TOTAL</b>	<b>650,262</b>	<b>642,721</b>	<b>(1%)</b>	<b>642,721</b>	<b>589,408</b>	<b>(9%)</b>	<b>53,703</b>	<b>47,697</b>	<b>(13%)</b>

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
<b>CSWS Recyclables</b>									
Tier 1	44,722	45,419	2%	45,419	47,561	5%	4,326	4,035	(7%)
Tier 3	623	638	2%	638	0	(100%)	56	0	(100%)
Tier 4	2,333	3,413	46%	3,413	3,482	2%	320	316	(1%)
Hauler Contract	9,711	10,316	6%	10,316	9,779	(5%)	893	1,732	94%
Contractor Sourced	14,896	11,853	(20%)	11,853	6,173	(48%)	757	244	(68%)
In-State Spot	0	0	-	0	0	-	0	0	-
Out-of-State Spot	0	0	-	0	0	-	0	0	-
<b>RECYC. TOTAL</b>	<b>72,284</b>	<b>71,639</b>	<b>(1%)</b>	<b>71,639</b>	<b>66,996</b>	<b>(6%)</b>	<b>6,352</b>	<b>6,327</b>	<b>(0%)</b>

**CSWS Diversions, Exports, Re-Redirected Tons**

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
CSWS Facility and/or TS	4,947	5,020	1%	5,020	20,170	302%	0	5,628	-
Re-Redirected Material (1)	501	0	(100%)	0	3,273	-	0	695	-
<b>TOTAL TONNAGE</b>	<b>5,448</b>	<b>5,020</b>	<b>(8%)</b>	<b>5,020</b>	<b>23,444</b>	<b>367%</b>	<b>0</b>	<b>6,323</b>	<b>-</b>

(1) Tons re-directed to Non-MIRA Facility. June 2018 = 155.82 NPW, 539.29 Contract (FCR Residue) = 695.11 tons. Year to Date FY18 = 644.68, Tier 1, 419.33 Tier 2, 340.16 NPW, 1,869.09 Contract (FCR Residue) = 3,273.28

Breakdown of Participating towns attached

## Connecticut Solid Waste System Monthly Customer MSW Deliveries

### CSWS Tier 1 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
Avon	11,268	11,335	1%	11,335	11,509	2%	1,103	1,068	(3%)
Beacon Falls (1)	2,635	2,370	(10%)	2,370	0	(100%)	157	0	(100%)
Bethlehem	1,508	1,483	(2%)	1,483	1,477	(0%)	147	137	(7%)
Bloomfield	15,679	16,179	3%	16,179	15,069	(7%)	1,497	1,377	(8%)
Canaan	441	411	(7%)	411	440	7%	40	36	(10%)
Canton	4,680	4,984	6%	4,984	4,942	(1%)	433	432	(0%)
Clinton	4,803	5,385	12%	5,385	6,340	18%	546	600	10%
Colebrook	602	622	3%	622	616	(1%)	69	65	(5%)
Cornwall	505	531	5%	531	531	0%	45	36	(20%)
Deep River	3,489	3,077	(12%)	3,077	2,545	(17%)	235	209	(11%)
Durham/Middlefield	6,295	7,478	19%	7,478	6,695	(10%)	611	499	(18%)
East Granby	2,869	2,993	4%	2,993	2,896	(3%)	254	243	(5%)
East Hampton	6,146	6,399	4%	6,399	6,241	(2%)	578	481	(17%)
Ellington	5,139	5,348	4%	5,348	5,541	4%	497	506	2%
Essex	3,078	3,227	5%	3,227	3,710	15%	341	296	(13%)
Farmington	14,661	14,790	1%	14,790	14,793	0%	1,345	1,232	(8%)
Glastonbury	19,255	19,236	(0%)	19,236	19,417	1%	1,799	1,756	(2%)
Goshen	1,345	1,313	(2%)	1,313	1,330	1%	117	116	(1%)
Granby	4,791	4,210	(12%)	4,210	4,209	(0%)	392	355	(9%)
Haddam	3,372	3,266	(3%)	3,266	3,189	(2%)	335	279	(17%)
Hartford	84,428	84,355	(0%)	84,355	84,275	(0%)	7,652	7,342	(4%)
Harwinton	2,030	1,920	(5%)	1,920	1,906	(1%)	195	179	(9%)
Killingworth	1,919	1,892	(1%)	1,892	1,932	2%	186	177	(5%)
Litchfield	4,860	4,775	(2%)	4,775	4,952	4%	427	401	(6%)
Lyme	755	759	0%	759	745	(2%)	67	62	(7%)
Marlborough	2,276	2,126	(7%)	2,126	2,138	1%	151	167	11%
Middlebury	2,349	2,338	(0%)	2,338	2,698	15%	250	268	7%
Naugatuck	15,157	14,758	(3%)	14,758	14,572	(1%)	1,066	1,486	39%
Norfolk	728	735	1%	735	785	7%	72	73	2%
North Canaan	2,232	2,070	(7%)	2,070	2,114	2%	203	164	(19%)
Old Lyme	3,276	3,193	(3%)	3,193	3,354	5%	313	296	(5%)
Old Saybrook	9,852	8,718	(12%)	8,718	8,989	3%	902	751	(17%)
Oxford (1)	6,204	3,940	(36%)	3,940	0	(100%)	409	0	(100%)
Portland	3,510	3,648	4%	3,648	3,695	1%	373	348	(7%)
Rocky Hill	11,458	11,068	(3%)	11,068	11,362	3%	1,004	986	(2%)
Roxbury	704	691	(2%)	691	694	0%	63	56	(12%)
RRDD#1	11,014	11,068	0%	11,068	11,270	2%	1,075	1,088	1%
Salisbury/Sharon	3,292	3,294	0%	3,294	3,308	0%	338	332	(2%)
Simsbury	13,698	13,106	(4%)	13,106	12,755	(3%)	1,239	1,045	(16%)
Thomaston (2)	0	0	-	0	4,372	-	0	443	-
Torrington	23,792	23,185	(3%)	23,185	22,869	(1%)	2,081	2,020	(3%)
Watertown	11,204	10,872	(3%)	10,872	10,790	(1%)	983	954	(3%)
Westbrook (3)	0	0	-	0	3,354	-	0	446	-
Wethersfield	14,634	14,699	0%	14,699	16,218	10%	1,447	1,532	6%
Woodbury	4,569	4,502	(1%)	4,502	4,448	(1%)	392	432	10%
<b>TOTAL TIER 1 PARTICIPATING MUNICIPALITIES</b>	<b>346,503</b>	<b>342,348</b>	<b>(1%)</b>	<b>342,348</b>	<b>345,087</b>	<b>1%</b>	<b>31,430</b>	<b>30,773</b>	<b>(2%)</b>

(1) Municipalities left MIRA at the end of FY17

(3) Municipality signed with MIRA effective 11/1/2017

(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

### CSWS Tier 2 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
Manchester	13,214	13,300	1%	13,300	12,969	(2%)	1,299	1,101	(15%)
<b>TOTAL TIER 2 PARTICIPATING MUNICIPALITIES</b>	<b>13,214</b>	<b>13,300</b>	<b>1%</b>	<b>13,300</b>	<b>12,969</b>	<b>(2%)</b>	<b>1,299</b>	<b>1,101</b>	<b>(15%)</b>

### CSWS Tier 3 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
Chester	14	14	6%	14	16	7%	1	1	10%
Thomaston (2)	2,400	2,534	6%	2,534	0	(100%)	236	0	(100%)
<b>TOTAL TIER 3 PARTICIPATING MUNICIPALITIES</b>	<b>2,413</b>	<b>2,549</b>	<b>6%</b>	<b>2,549</b>	<b>16</b>	<b>(99%)</b>	<b>237</b>	<b>1</b>	<b>(100%)</b>

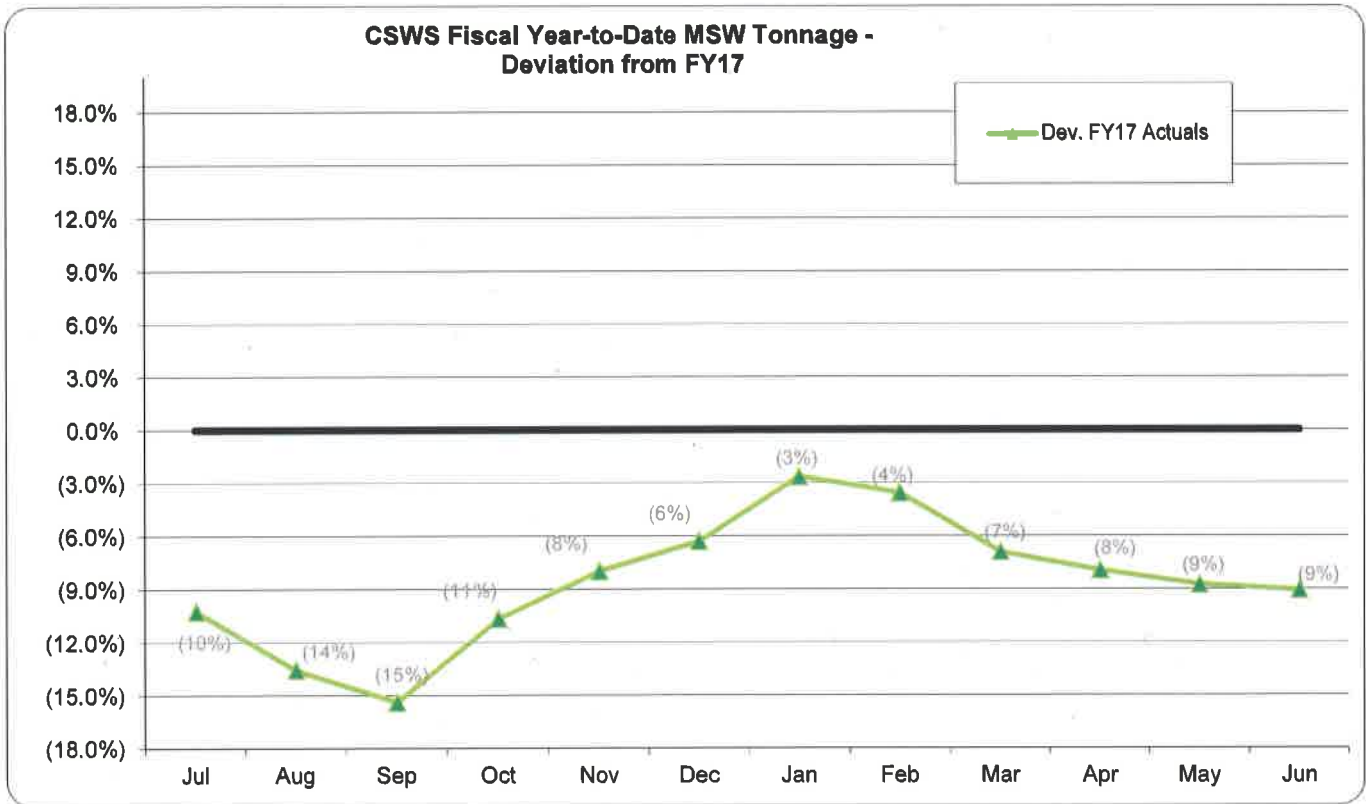
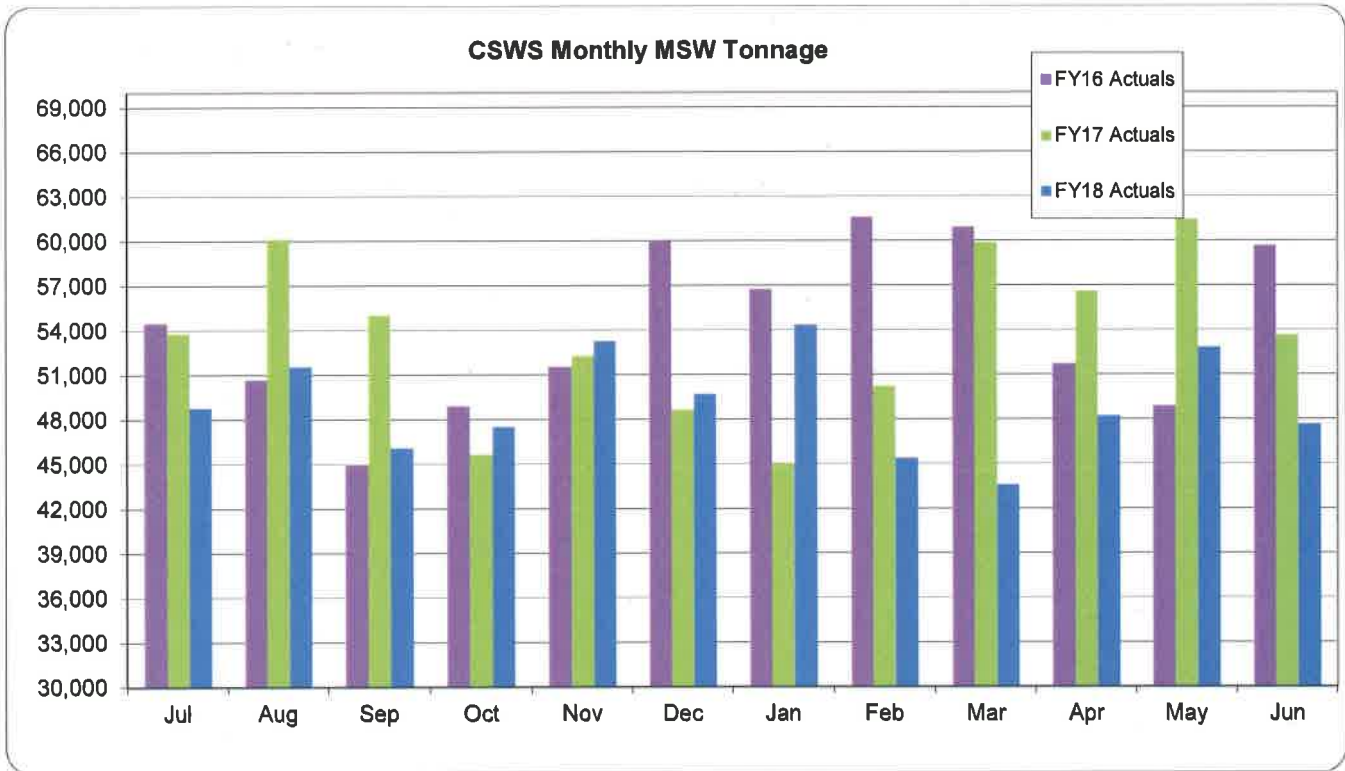
(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

### CSWS Tier 4 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
East Hartford (1)	9,502	14,706	55%	14,706	15,097	3%	1,498	1,393	(7%)
<b>TOTAL TIER 4 PARTICIPATING MUNICIPALITIES</b>	<b>9,502</b>	<b>14,706</b>	<b>55%</b>	<b>14,706</b>	<b>15,097</b>	<b>3%</b>	<b>1,498</b>	<b>1,393</b>	<b>(7%)</b>

(1) 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		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
Avon	2,115	2,027	(4%)	2,027	2,130	5%	195	196	0%
Beacon Falls (1)	373	411	10%	411	0	(100%)	39	0	(100%)
Bethlehem	346	338	(2%)	338	344	2%	27	25	(8%)
Bloomfield	1,733	1,697	(2%)	1,697	1,620	(5%)	155	142	(8%)
Canaan	90	88	(2%)	88	95	8%	10	6	(37%)
Canton	981	911	(7%)	911	1,061	16%	73	77	6%
Clinton	1,181	1,148	(3%)	1,148	1,232	7%	115	96	(16%)
Colebrook	179	186	4%	186	185	(1%)	20	18	(7%)
Cornwall	148	148	(0%)	148	156	6%	5	12	146%
Deep River	510	441	(14%)	441	372	(16%)	27	29	4%
East Granby	465	1,093	135%	1,093	725	(34%)	208	31	(85%)
East Hampton	1,012	1,012	0%	1,012	890	(12%)	83	77	(7%)
Ellington	1,426	1,362	(4%)	1,362	1,330	(2%)	139	127	(9%)
Essex	734	734	0%	734	794	8%	69	58	(16%)
Farmington	2,697	2,647	(2%)	2,647	2,389	(10%)	213	183	(14%)
Glastonbury	3,637	3,585	(1%)	3,585	3,422	(5%)	331	295	(11%)
Goshen	323	312	(3%)	312	316	1%	27	26	(5%)
Granby	1,457	1,350	(7%)	1,350	1,391	3%	111	112	1%
Haddam	683	697	2%	697	649	(7%)	69	52	(24%)
Hartford	5,600	5,869	5%	5,869	5,919	1%	560	511	(9%)
Harwinton	504	520	3%	520	491	(6%)	52	50	(4%)
Killingworth	472	483	2%	483	502	4%	37	43	16%
Litchfield	814	874	7%	874	825	(6%)	79	68	(13%)
Marlborough	654	601	(8%)	601	582	(3%)	49	40	(19%)
Middlebury	840	884	5%	884	906	3%	80	73	(9%)
Norfolk	169	172	2%	172	173	0%	18	15	(18%)
North Canaan	235	247	5%	247	243	(1%)	23	22	(4%)
Old Lyme	0	0	-	0	0	-	0	0	-
Old Saybrook	1,082	1,095	1%	1,095	1,101	0%	111	93	(16%)
Oxford (1)	668	749	12%	749	0	(100%)	91	0	(100%)
Portland	573	625	9%	625	599	(4%)	83	84	0%
Rocky Hill	1,692	1,611	(5%)	1,611	1,641	2%	151	126	(16%)
Roxbury	182	181	(0%)	181	198	9%	22	16	(28%)
RRDD#1	1,815	1,786	(2%)	1,786	1,729	(3%)	160	161	0%
Salisbury-Sharon	1,053	1,092	4%	1,092	1,050	(4%)	95	86	(10%)
Simsbury (3)	0	0	-	0	2,925	-		250	-
Thomaston (2)	0	0	-	0	656	-		46	-
Torrington	2,956	2,836	(4%)	2,836	2,737	(3%)	262	249	(5%)
Watertown	1,706	1,996	17%	1,996	2,219	11%	209	176	(16%)
Westbrook (4)	0	0	-	0	396	-		57	-
Wethersfield	2,775	2,709	(2%)	2,709	2,662	(2%)	251	234	(7%)
Woodbury	840	903	7%	903	905	0%	77	73	(5%)
<b>TOTAL TIER 1 MUNICIPALITIES</b>	<b>44,722</b>	<b>45,419</b>	<b>2%</b>	<b>45,419</b>	<b>47,561</b>	<b>5%</b>	<b>4,326</b>	<b>4,035</b>	<b>(7%)</b>

(1) Municipalities left MIRA at the end of FY17

(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

(3) Simsbury switched from T1S w/o Recycl. to T1L w/Recycl. 7/1/17

(4) Municipality signed with MIRA beginning 11/1/2017

### CSWS Tier 3 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
Chester	0	0	-	0	0	-	0	0	-
Thomaston (2)	623	638	2%	638	0	(100%)	56	0	(100%)
<b>TOTAL TIER 3 MUNICIPALITIES</b>	623	638	2%	638	0	(100%)	56	0	(100%)

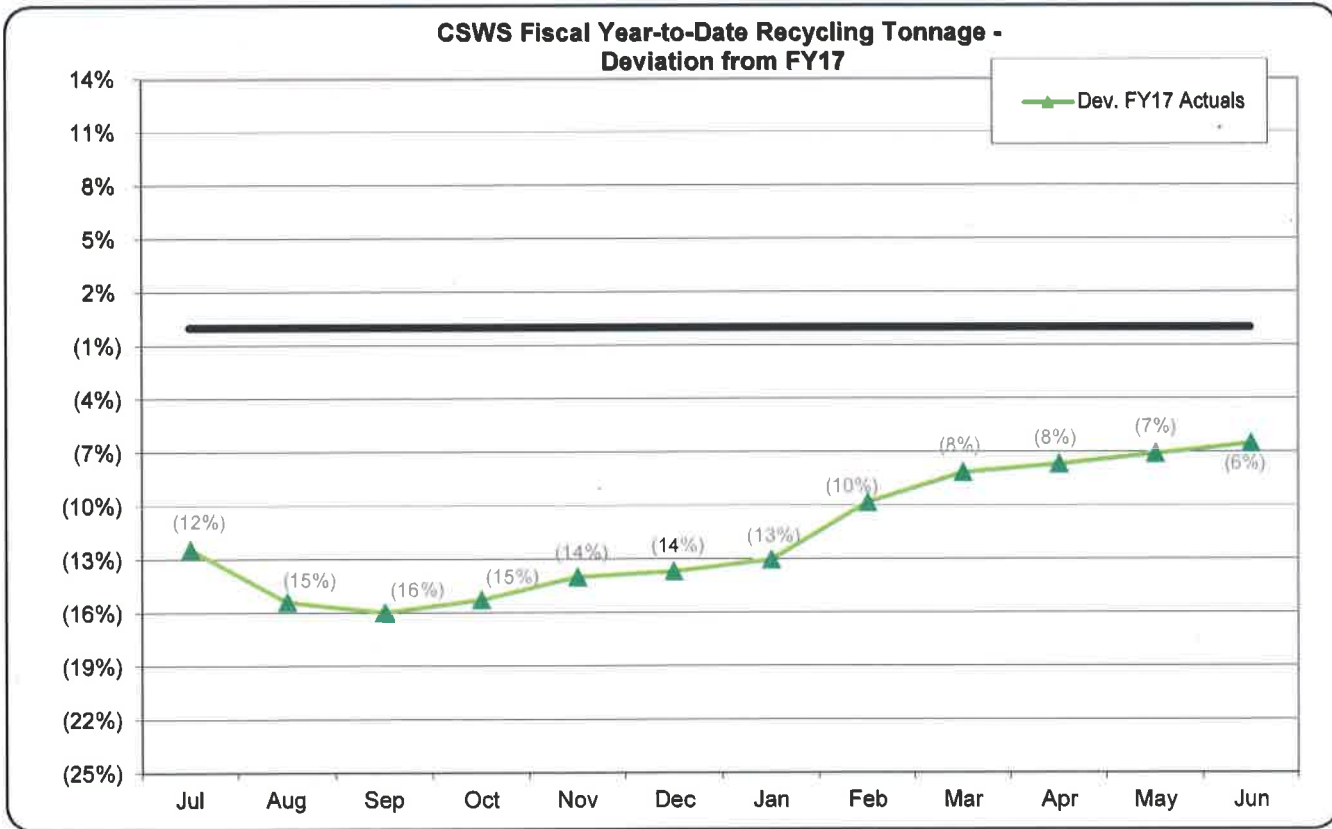
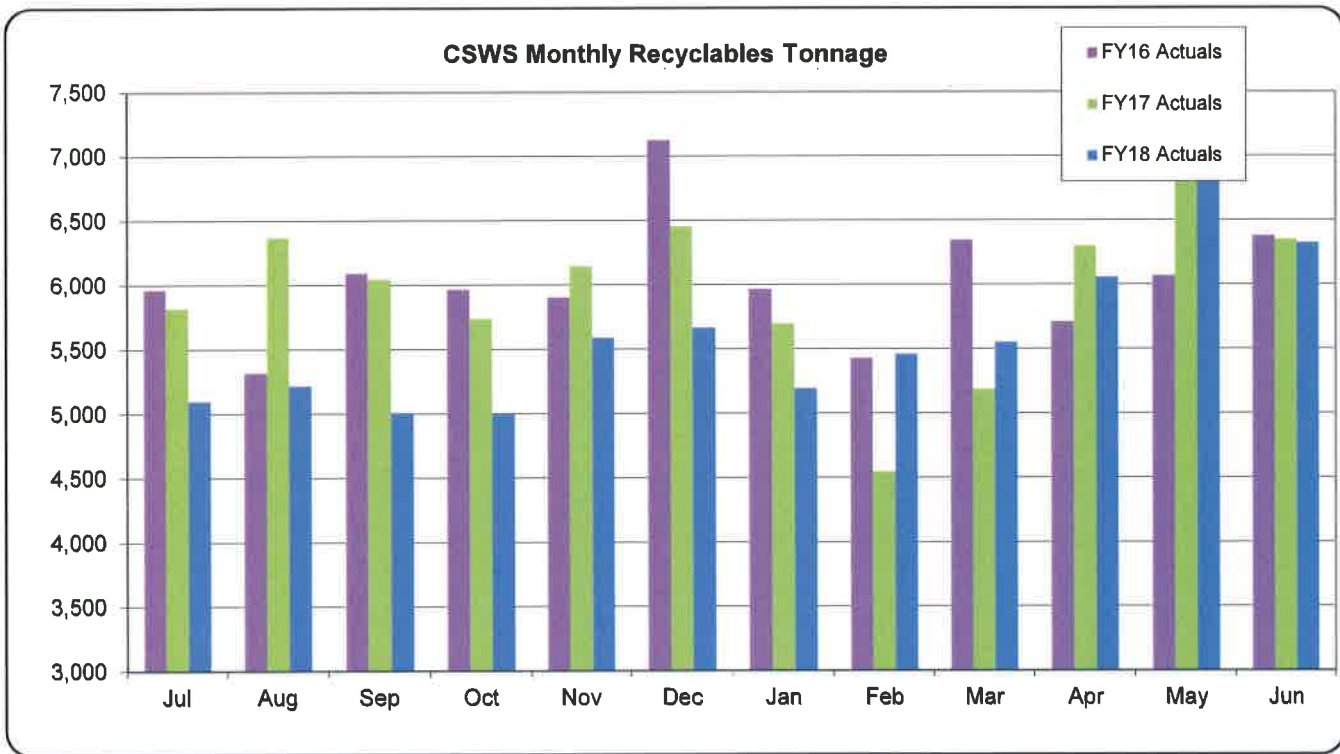
(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

### CSWS Tier 4 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jun 17	Jun 18	Growth
East Hartford (1)	2,333	3,413	46%	3,413	3,482	2%	320.14	316.1	(1%)
<b>TOTAL TIER 4 MUNICIPALITIES</b>	2,333	3,413	46%	3,413	3,482	2%	320	316	(1%)

(1) Municipality signed with MIRA beginning 11/1/15

### CSWS Recyclables Trends





**MATERIALS INNOVATION AND RECYCLING AUTHORITY**  
**Monthly Customer MSW and Recyclables Deliveries**

**July-18**

**Monthly Customer Delivery Report**

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
<b>CSWS MSW</b>									
Tier 1	342,348	345,087	1%	29,033	36,583	26%	29,033	36,583	26%
Tier 2	13,300	12,969	(2%)	1,160	1,118	(4%)	1,160	1,118	(4%)
Tier 3	2,549	16	(99%)	2	2	1%	2	2	1%
Tier 4	14,706	15,097	3%	1,328	0	(100%)	1,328	0	(100%)
Non-Processible MSW	1,926	1,697	(12%)	178	172	(3%)	178	172	(3%)
Hauler Contract	246,909	201,005	(19%)	16,367	16,648	2%	16,367	16,648	2%
Contract (FCR Residue)	8,106	7,141	(12%)	527	661	25%	527	661	25%
Ferrous Residue (excess)	2,745	2,679	(2%)	231	291	26%	231	291	26%
In-State Spot	10,110	3,718	(63%)	0	0	-	0	0	-
Out-of-State Spot	21	0	(100%)	0	0	-	0	0	-
<b>MSW TOTAL</b>	<b>642,721</b>	<b>589,408</b>	<b>(8%)</b>	<b>48,825</b>	<b>55,475</b>	<b>12%</b>	<b>48,825</b>	<b>55,475</b>	<b>12%</b>

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
<b>CSWS Recyclables</b>									
Tier 1	45,419	47,561	5%	3,997	4,542	14%	3,997	4,542	14%
Tier 3	638	0	(100%)	0	0	-	0	0	-
Tier 4	3,413	3,482	2%	288	0	(100%)	288	0	(100%)
Hauler Contract	10,316	9,779	(5%)	374	1,883	404%	374	1,883	404%
Contractor Sourced	11,853	6,173	(48%)	442	80	(82%)	442	80	(82%)
In-State Spot	0	0	-	0	0	-	0	0	-
Out-of-State Spot	0	0	-	0	0	-	0	0	-
<b>RECYC. TOTAL</b>	<b>71,639</b>	<b>66,996</b>	<b>(6%)</b>	<b>5,101</b>	<b>6,505</b>	<b>28%</b>	<b>5,101</b>	<b>6,505</b>	<b>28%</b>

**CSWS Diversions, Exports, Re-Directed Tons**

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
CSWS Facility and/or TS	4,947	5,020	1%	0	1,296	-	0	1,296	-
Re-Directed Material (1)	501	0	(100%)	0	182	-	0	182	-
<b>TOTAL TONNAGE</b>	<b>5,448</b>	<b>5,020</b>	<b>(8%)</b>	<b>0</b>	<b>1,479</b>	<b>-</b>	<b>0</b>	<b>1,479</b>	<b>-</b>

(1) Tons re-directed to Non-MIRA Facility. July 2018 = 107.41 Tier 1 Long, 16.18 NPW, 58.80 Contract (FCR Residue) = 182.39 tons. Year to Date FY18 = 107.41 Tier 1 Long, 16.18 NPW, 58.80 Contract (FCR Residue) = 182.39 tons.

Breakdown of Participating towns attached

## Connecticut Solid Waste System Monthly Customer MSW Deliveries

### CSWS Tier 1 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
Avon	11,335	11,509	2%	968	1,044	8%	968	1,044	8%
Beacon Falls (1)	2,370	0	(100%)			-			-
Bethlehem	1,483	1,477	(0%)	123	147	19%	123	147	19%
Bloomfield	16,179	15,069	(7%)	1,377	1,518	10%	1,377	1,518	10%
Canaan	411	440	7%	44	41	(7%)	44	41	(7%)
Canton	4,984	4,942	(1%)	394	420	6%	394	420	6%
Clinton	5,385	6,340	18%	483	604	25%	483	604	25%
Colebrook	622	616	(1%)	45	44	(1%)	45	44	(1%)
Cornwall	531	531	0%	44	42	(4%)	44	42	(4%)
Deep River	3,077	2,545	(17%)	192	213	11%	192	213	11%
Durham/Middlefield	7,478	6,695	(10%)	579	640	11%	579	640	11%
East Granby	2,993	2,896	(3%)	273	224	(18%)	273	224	(18%)
East Hartford (4)	0	0	-	0	2,634	-	0	2,634	-
East Hampton	6,399	6,241	(2%)	537	493	(8%)	537	493	(8%)
Ellington	5,348	5,541	4%	449	440	(2%)	449	440	(2%)
Essex	3,227	3,710	15%	303	293	(3%)	303	293	(3%)
Farmington	14,790	14,793	0%	1,215	1,252	3%	1,215	1,252	3%
Glastonbury	19,236	19,417	1%	1,591	1,731	9%	1,591	1,731	9%
Goshen	1,313	1,330	1%	143	141	(1%)	143	141	(1%)
Granby	4,210	4,209	(0%)	352	378	7%	352	378	7%
Haddam	3,266	3,189	(2%)	262	288	10%	262	288	10%
Hartford	84,355	84,275	(0%)	6,959	7,468	7%	6,959	7,468	7%
Harwinton	1,920	1,906	(1%)	162	153	(5%)	162	153	(5%)
Killingworth	1,892	1,932	2%	170	161	(5%)	170	161	(5%)
Litchfield	4,775	4,952	4%	480	519	8%	480	519	8%
Lyme	759	745	(2%)	69	72	6%	69	72	6%
Marlborough	2,126	2,138	1%	190	199	5%	190	199	5%
Middlebury	2,338	2,698	15%	213	230	8%	213	230	8%
Naugatuck	14,758	14,572	(1%)	1,256	1,558	24%	1,256	1,558	24%
Newington (5)	0	0	-	0	1,700	-	0	1,700	-
Norfolk	735	785	7%	75	80	7%	75	80	7%
North Canaan	2,070	2,114	2%	191	185	(3%)	191	185	(3%)
Old Lyme	3,193	3,354	5%	434	500	15%	434	500	15%
Old Saybrook	8,718	8,989	3%	856	950	11%	856	950	11%
Oxford (1)	3,940	0	(100%)			-			-
Portland	3,648	3,695	1%	288	324	12%	288	324	12%
Rocky Hill	11,068	11,362	3%	866	1,021	18%	866	1,021	18%
Roxbury	691	694	0%	64	50	(22%)	64	50	(22%)
RRDD#1	11,068	11,270	2%	1,058	1,114	5%	1,058	1,114	5%
Salisbury/Sharon	3,294	3,308	0%	277	332	20%	277	332	20%
Simsbury	13,106	12,755	(3%)	1,093	960	(12%)	1,093	960	(12%)
Thomaston (2)	0	4,372	-	389	504	30%	389	504	30%
Torrington	23,185	22,869	(1%)	1,955	2,016	3%	1,955	2,016	3%
Watertown	10,872	10,790	(1%)	944	1,548	64%	944	1,548	64%
Westbrook (3)	0	3,354	-	0	502	-	0	502	-
Wethersfield	14,699	16,218	10%	1,307	1,446	11%	1,307	1,446	11%
Woodbury	4,502	4,448	(1%)	362	405	12%	362	405	12%
<b>TOTAL TIER 1 PARTICIPATING MUNICIPALITIES</b>	<b>342,348</b>	<b>345,087</b>	<b>1%</b>	<b>29,033</b>	<b>36,583</b>	<b>26%</b>	<b>29,033</b>	<b>36,583</b>	<b>26%</b>

(1) Municipalities left MIRA at the end of FY17

(2) Thomaston switched from Tier 3 to Tier 1L 7/1/17

(3) Westbrook signed with MIRA as T1S effective 11/1/2017

(4) East Hartford switched from Tier 4 to Tier 1L 7/1/18

(5) Newington signed with MIRA as Tier 1L effective 7/1/18

<b>CSWS Tier 2 Participating Municipality MSW</b>									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
Manchester	13,300	12,969	(2%)	1,160	1,118	(4%)	1,160	1,118	(4%)
<b>TOTAL TIER 2 PARTICIPATING MUNICIPALITIES</b>	13,300	12,969	(2%)	1,160	1,118	(4%)	1,160	1,118	(4%)

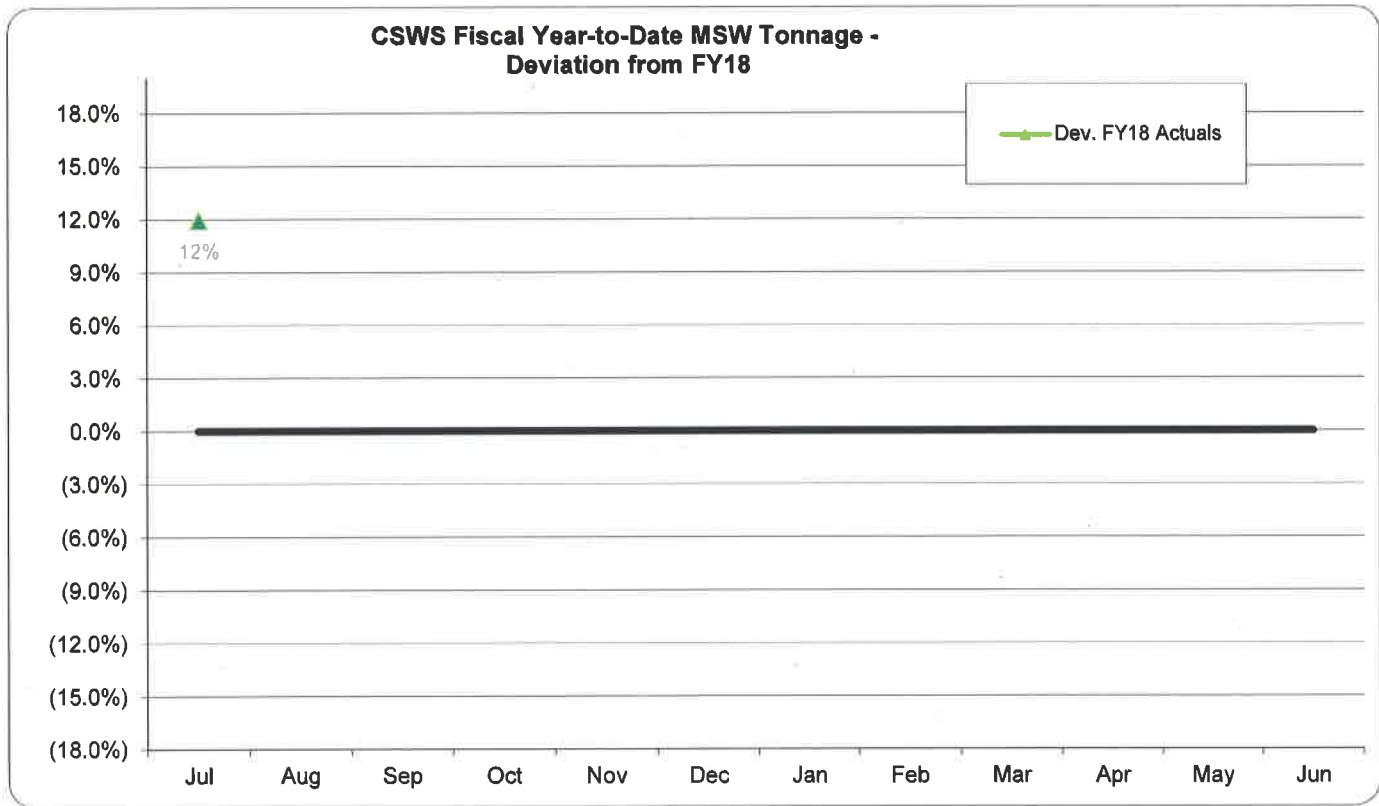
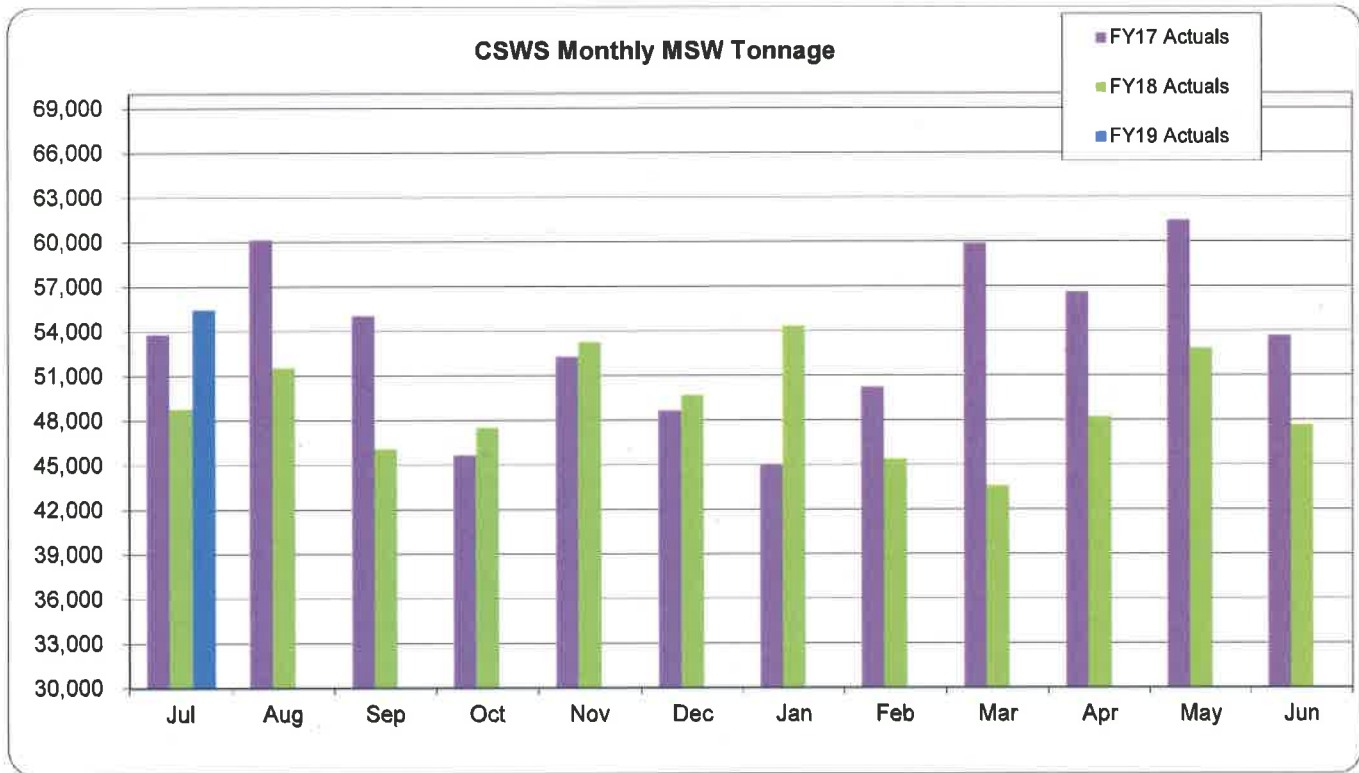
<b>CSWS Tier 3 Participating Municipality MSW</b>									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
Chester	14	16	7%	2	2	1%	2	2	1%
Thomaston (2)	2,534	0	(100%)			-			-
<b>TOTAL TIER 3 PARTICIPATING MUNICIPALITIES</b>	2,549	16	(99%)	2	2	1%	2	2	1%

(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

<b>CSWS Tier 4 Participating Municipality MSW</b>									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jul 17	Jul 18	Growth
East Hartford (1)	14,706	15,097	3%	1,328		(100%)	1,328		(100%)
<b>TOTAL TIER 4 PARTICIPATING MUNICIPALITIES</b>	14,706	15,097	3%	1,328	0	(100%)	1,328	0	(100%)

(1) Municipality signed with MIRA beginning 11/1/15, Switched to T1L 7/1/2018

### 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		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
Avon	2,027	2,130	5%	141	171	21%	141	171	21%
Beacon Falls (1)	411	0	(100%)	0	0	-	0	0	-
Bethlehem	338	344	2%	31	27	(15%)	31	27	(15%)
Bloomfield	1,697	1,620	(5%)	138	140	2%	138	140	2%
Canaan	88	95	8%	10	8	(18%)	10	8	(18%)
Canton	911	1,061	16%	67	68	2%	67	68	2%
Clinton	1,148	1,232	7%	95	101	6%	95	101	6%
Colebrook	186	185	(1%)	16	15	(3%)	16	15	(3%)
Cornwall	148	156	6%	24	16	(34%)	24	16	(34%)
Deep River	441	372	(16%)	32	25	(23%)	32	25	(23%)
East Granby	1,093	725	(34%)	156	43	(73%)	156	43	(73%)
East Hartford (5)	0	0	-	0	292		0	292	
East Hampton	1,012	890	(12%)	87	75	(14%)	87	75	(14%)
Ellington	1,362	1,330	(2%)	104	101	(2%)	104	101	(2%)
Essex	734	794	8%	63	61	(3%)	63	61	(3%)
Farmington	2,647	2,389	(10%)	191	176	(8%)	191	176	(8%)
Glastonbury	3,585	3,422	(5%)	283	293	3%	283	293	3%
Goshen	312	316	1%	37	36	(2%)	37	36	(2%)
Granby	1,350	1,391	3%	110	115	5%	110	115	5%
Haddam	697	649	(7%)	49	56	15%	49	56	15%
Hartford	5,869	5,919	1%	520	546	5%	520	546	5%
Harwinton	520	491	(6%)	41	37	(8%)	41	37	(8%)
Killingworth	483	502	4%	43	49	13%	43	49	13%
Litchfield	874	825	(6%)	71	70	(2%)	71	70	(2%)
Marlborough	601	582	(3%)	46	47	3%	46	47	3%
Middlebury	884	906	3%	70	74	6%	70	74	6%
Newington (6)	0	0	-	0	245	-	0	245	-
Norfolk	172	173	0%	14	15	0%	14	15	0%
North Canaan	247	243	(1%)	23	25	13%	23	25	13%
Old Lyme	0	0	-	0	0	-	0	0	-
Old Saybrook	1,095	1,101	0%	121	131	9%	121	131	9%
Oxford (1)	749	0	(100%)	0	0	-	0	0	-
Portland	625	599	(4%)	53	64	20%	53	64	20%
Rocky Hill	1,611	1,641	2%	127	133	5%	127	133	5%
Roxbury	181	198	9%	21	10	(52%)	21	10	(52%)
RRDD#1	1,786	1,729	(3%)	140	139	(1%)	140	139	(1%)
Salisbury-Sharon	1,092	1,050	(4%)	103	102	(1%)	103	102	(1%)
Simsbury (3)	0	2,925	-	205	230	12%	205	230	12%
Thomaston (2)	0	656	-	55	52	(5%)	55	52	(5%)
Torrington	2,836	2,737	(3%)	229	244	7%	229	244	7%
Watertown	1,996	2,219	11%	196	167	(15%)	196	167	(15%)
Westbrook (4)	0	396	-	0	48	-	0	48	-
Wethersfield	2,709	2,662	(2%)	213	216	1%	213	216	1%
Woodbury	903	905	0%	75	80	7%	75	80	7%
<b>TOTAL TIER 1 MUNICIPALITIES</b>	<b>45,419</b>	<b>47,561</b>	<b>5%</b>	<b>3,997</b>	<b>4,542</b>	<b>14%</b>	<b>3,997</b>	<b>4,542</b>	<b>14%</b>

(1) Municipalities left MIRA at the end of FY17

(2) Thomaston switched from Tier 3 to Tier 1L 7/1/17

(3) Simsbury switched from T1S w/o Recycl. to T1L w/Recycl. 7/1/17

(4) Westbrook signed with MIRA as T1S beginning 11/1/17

(5) East Hartford switched from Tier 4 to Tier 1L 7/1/18

(6) Newington signed with MIRA as T1L beginning 7/1/18

### CSWS Tier 3 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
Chester	0	0	-	0	0	-	0	0	-
Thomaston (2)	638	0	(100%)	0	0	-	0	0	-
<b>TOTAL TIER 3 MUNICIPALITIES</b>	<b>638</b>	<b>0</b>	<b>(100%)</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>

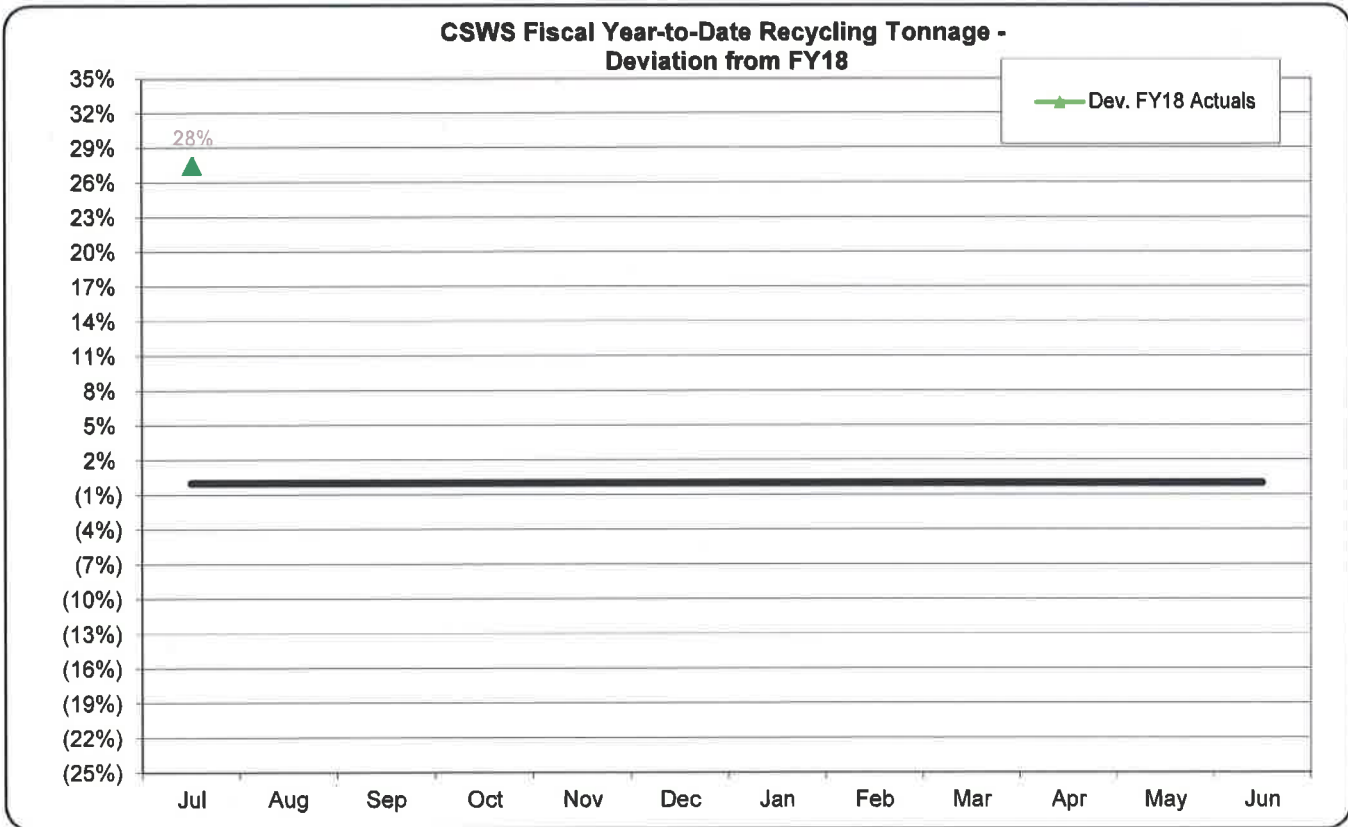
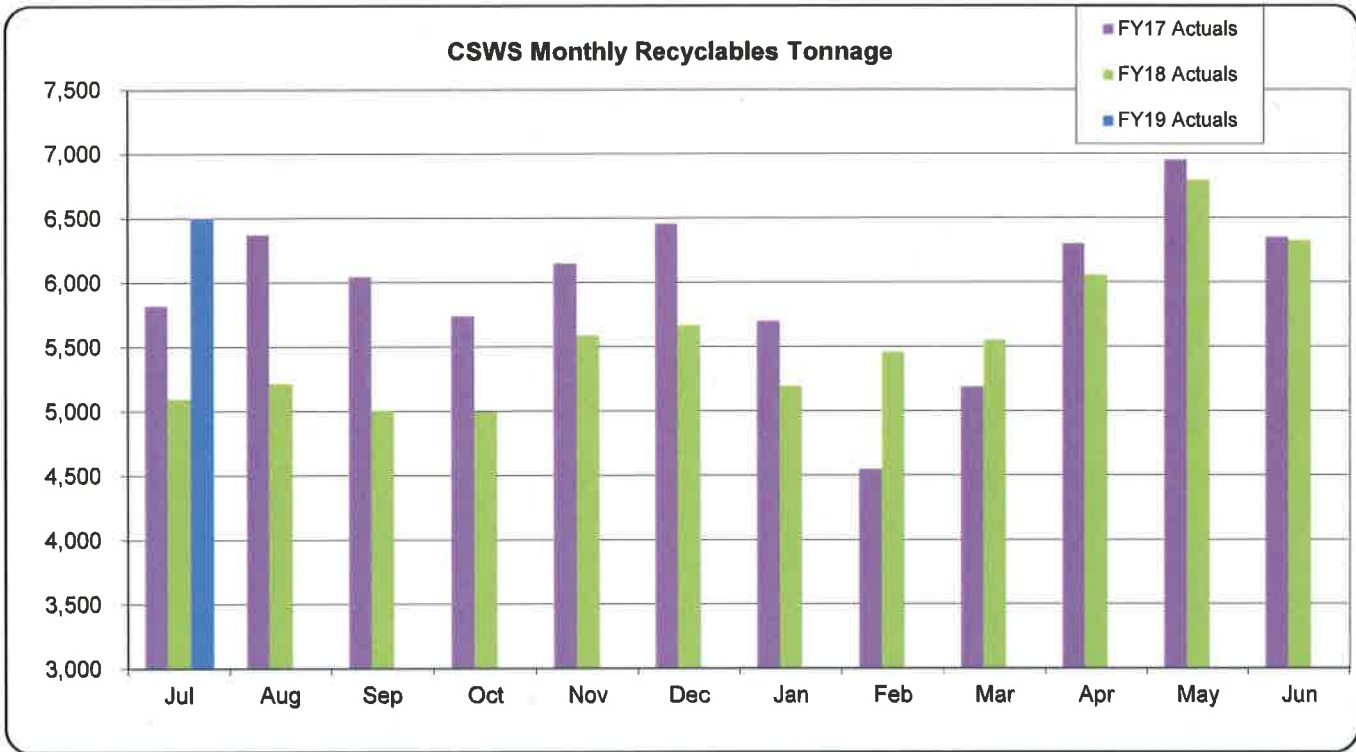
(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

### CSWS Tier 4 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2017	2018	Growth	2018	2019	Growth	Jul 17	Jul 18	Growth
East Hartford (1)	3,413	3,482	2%	288	0	(100%)	288.37	0	(100%)
<b>TOTAL TIER 4 MUNICIPALITIES</b>	<b>3,413</b>	<b>3,482</b>	<b>2%</b>	<b>288</b>	<b>0</b>	<b>(100%)</b>	<b>288</b>	<b>0</b>	<b>(100%)</b>

(1) Municipality signed with MIRA beginning 11/1/15, Switched to T1L 7/1/2018

### CSWS Recyclables Trends



# TAB D



FISCAL YEAR 2018 LEGAL REQUEST FOR SERVICES

FOR PERIOD ENDING 6/30/18

LEGAL FIRM	Matter	Board Approval	PO Number	PO Amount	FY18 expenses paid from FY18 PO	FY17 expenses paid from FY18 PO (accrued for)	FY18 accrued estimates	Prior year expenses Paid from FY17 PO (not accrued in FY17)	FY17 over/under accrual, Refunds received etc	Total per General ledger
Cohn Birnbaum & Shea	South Meadows Exit Strategy		11735	\$ 25,000	\$ 25,000		\$ -	\$ 118		\$ 25,118
			12088	\$ 38,385	\$ 29,200					\$ 29,200
		\$63,385.00		\$ 63,385	\$ 54,200	\$ -	\$ -	\$ 118	\$ -	\$ 54,318
Halloran & Sage	GC - Authority Budget		11742	\$ 25,000	\$ 14,621		\$ 1,482	\$ 1,843	\$ (920)	\$ 17,025
	Property Division		11741	\$ 20,000	\$ 1,169	\$ 2,586	\$ 14,995	\$ 6,476	\$ (2,700)	\$ 22,525
	MDC Arbitration		11739	\$ 100,000	\$ 61,539		\$ -		\$ (30,102)	\$ 31,437
	CSWS		11743	\$ 20,000	\$ -		\$ 114		\$ (1,500)	\$ (1,386)
	Resource rediscovery		11869	\$ 20,000	\$ 22,430		\$ -		\$ (4,840)	\$ 17,590
	Resource rediscovery		12244	\$ 20,000	\$ 6,242		\$ 14,206			\$ 20,447
	FOIA Complaint		11744	\$ 25,000	\$ 10,356		\$ -		\$ -	\$ 10,356
	Landfill Division		11740	\$ 35,000	\$ 3,905		\$ -	\$ 275	\$ (57,596)	\$ (53,416)
	Total Halloran & Sage	\$450,000.00		\$ 265,000	\$ 120,260	\$ 2,586	\$ 30,797	\$ 8,593	\$ (97,658)	\$ 64,578
Kainen, Escalera & McHale	Employment		11738	\$ 20,000	\$ 7,605					\$ 7,605
	MDC Arbitration		11737	\$ 75,000	\$ 21,407				\$ (31,788)	\$ (10,382)
	Total Kainen, Escalera & McHale	\$150,000.00		\$ 95,000	\$ 29,011	\$ -	\$ -	\$ -	\$ (31,788)	\$ (2,777)
American Arbitration				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Melick & Porter	Tremont		11813	\$ 2,441	\$ 2,441	\$ -	\$ -	\$ 5,221	\$ -	\$ 7,662
			12084	\$ 5,000	\$ 5,000					\$ 5,000
			12158	\$ 15,331	\$ 11,169					\$ 11,169
Total Melick & Porter			\$ 22,772	\$ 18,610	\$ -	\$ -	\$ 5,221	\$ -	\$ 23,831	
<b>TOTALS:</b>		\$688,385.00		\$ 446,157	\$ 222,081	\$ 2,586	\$ 30,797	\$ 13,932	\$ (129,446)	\$ 139,950
										Agrees with Gen ledger

FISCAL YEAR 2019 LEGAL REQUEST FOR SERVICES

FOR PERIOD ENDING 7/31/18

LEGAL FIRM	Matter	Board Approval	PO Number	PO Amount	FY19 expenses paid from FY19 PO	FY18 expenses paid from FY19 PO	FY19 accrued estimates	FY18 expenses Paid from FY18 PO ( not accrued in FY18)	FY18 over/under accrual, Refunds received etc	Total per General ledger
Cohn Birnbaum & Shea	South Meadows Exit Strategy		12313	\$ 5,000			\$ -			\$ -
<b>Total Cohn Birnbaum &amp; Shea</b>		\$20,000.00		\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Day Pitney	NPDES Permitting Support			\$ -						\$ -
<b>Total Day Pitney</b>		\$15,000.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Halloran &amp; Sage</b>	GC - Authority Budget		12317	\$ 25,000			\$ 3,203	\$ -		\$ 3,203
	Property Division		12318	\$ 10,000				\$ -	\$ (13,000)	\$ (13,000)
	CSWS		12316	\$ 25,000				\$ -		\$ -
	Resource rediscovery		12320	\$ 50,000			\$ 15,625	\$ -		\$ 15,625
	Landfill Division		12314	\$ 5,000						\$ -
<b>Total Halloran &amp; Sage</b>		\$300,000.00		\$ 115,000	\$ -	\$ -	\$ 18,828	\$ -	\$ (13,000)	\$ 5,828
Kainen, Escalera & McHale	Employment		12315	\$ 25,000				\$ 2,324		\$ 2,324
<b>Total Kainen, Escalera &amp; McHale</b>		\$25,000.00		\$ 25,000	\$ -	\$ -	\$ -	\$ 2,324	\$ -	\$ 2,324
<b>TOTALS:</b>		<b>\$360,000.00</b>		<b>\$ 145,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 18,828</b>	<b>\$ 2,324</b>	<b>\$ (13,000)</b>	<b>\$ 8,152</b>
										<i>Agrees with GenLedger</i>