MIRA
Materials Innovation and Recycling Authority

Materials Innovation and Recycling Authority
Regular Board of Directors
Supplemental Information
March 14, 2018

I. Finance

Informational Reports for Period ending January 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 period ending January 31, 2018 ***(Attachment B)***.

2. An update is provided on waste deliveries to all projects for the period ending January 31, 2018 ***(Attachment C)***.

III. Communications

1. Legal Expenditure Report FY'18 ***(Attachment D)***.

TAB A

MIRA
Materials Innovation and Recycling Authority

BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING ..... **January 31, 2018**

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 January was $5.41 million (4% under budget). Surplus member and hauler waste, recycling and metal sales were offset primarily by a significant deficit in January energy sales. Year to date revenue is 1% under budget. Total operating expenses were $4.67 million (4% under budget) in January. Year to date the CSWS has operating income of $2.22 million which is $0.35 million 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, 2017 through March 31, 2018, the first 10 MW of CSWS energy is sold under fixed contract at the rate of $.03732 / Kwh and the second 10 MW 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 $0.0670 per kwh in January which is $0.0062 per kwh (10.3%) above budget. Year to date energy price is 21% above budget. Energy production was 9.67 million kwh (33.8%) under budget in January. Year to date production is 20% under budget. The plant ran at full capacity for 7 out of 31 days. Overall boiler availability was 64.4% compared to budgeted availability of 86.6%. Boiler 11 was off line for 179.03 hours for tube repairs and an unscheduled outage (75.9% availability). Boiler 12 was off line for 334.31 hours for a backend plug and tube repairs (55.1% availability). Boiler 13 was off line for 280.67 hours for air flow and pluggage issues (62.3% availability). Overall turbine availability was 81.8% compared to budgeted availability of 100% (there were no scheduled outages for the turbines in January). Turbine 5 was off line for 69.55 hours due to lack of boiler availability. Turbine 6 was off line for 200.62 hours due to lack of boiler availability. Price and production combine to produce a $0.47 million (27.0%) deficit in electricity revenue for the month of January. On a year to date basis, in comparison to this period of fiscal year 2017, energy price is up 20%, production is down 7% and revenue is up 12%.

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.

January deliveries totaled 54,292 tons which is 2,040 tons (3.9%) over budget. Deficits in interruptible contract and spot waste deliveries were more than offset by excess hauler and member waste deliveries. However, 3,140 tons of delivered waste was diverted at a cost of $243,125 reflecting an average disposal price for diversions of $77.43 per ton excluding transportation. January saw 3,414 tons of spot waste delivered to the CSWS at an average price of $38.96 per ton. The per ton prices for interruptible contract waste are $4.74 per ton above budget year to date and up in comparison to FY 2017 but reflecting low activity relative to budget. Prices for waste hauler tons are steady at $70 consistent with CSWS established tip fees. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 4.7% below budget on a year to date basis.

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BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING ..... **January 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 32% above budget in January. Delivery revenue was 31.2% above budget due to surplus paid residue. Export revenue was 44.9% above budget mostly due to CSWS deliveries and the per ton prices for residential containers and OCC being well above budget. Year to date recycling facility revenues are 66% above budget. As indicated separately on the metal sales report, metal sales revenue was 115% above budget in January due to strong pricing. The average per ton price in January was $72.88 per ton which is $43.98 per ton (152%) above budget. Year to date total metal sales and excess residue is 81% 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 7.4% above budget in January due to activity in the real time and reserve markets. Operating expenses were 15.4% above budget due to Jets operating charges. Total operating income is 15.8% 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 $788,458 to the Property Division General Fund in January as the cap on distributions to the Tip Fee Stabilization Fund was reached in December. Year to date distributions to the Tip Fee Stabilization Fund are $5.0 million in comparison to the maximum authorized distribution of $5.0 million. CSWS cash receipts were sufficient to execute budgeted distributions to the CSWS Operating STIF and Improvement Fund while also reimbursing $7,800,363 in prior draws from Tip Fee Stabilization due to the receipt of prepaid tip fees. After the distribution of January receipts, $15,080,682 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 project closeout, and security deposits, are not shown.

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. Substantial modifications have been made to projects planned to be funded through the CSWS Improvement Fund at the time the FY 2018 budget was adopted. These primarily include cancellation of the Turbine 6 overhaul, reduced scope of the Boiler 13 outage, ash system, and auxiliary PBF system projects to increase funding allocated to Boiler 11 and 12 outages and baghouse major maintenance projects.

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.

Materials Innovation and Recycling Authority
FY 2018 Board of Directors Financial Report

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CSWS Monthly Financial Report

Period Ending: **January 31, 2018**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
REVENUES	Budget	Actual	$	%	Budget	Actual	$	%
Member Towns	$ 1,946,862	$ 2,055,354	$ 108,492	6%	$ 15,104,986	$ 14,938,187	$ (166,799)	-1%
Other Contracts	$ 385,728	$ 318,647	$ (67,081)	-17%	$ 2,352,494	$ 859,368	$ (1,493,126)	-63%
Hauler Contracts	$ 871,500	$ 1,032,518	$ 161,018	18%	$ 6,855,800	$ 7,478,367	$ 622,567	9%
Spot Waste	$ 146,600	$ 133,029	$ (13,571)	-9%	$ 268,320	$ 145,795	$ (122,525)	-46%
Other Operating Charges	$ -	$ 8,896	$ 8,896	n/a	$ -	$ 13,886	$ 13,886	n/a
Member Service Fee	$ 2,667	$ 3,319	$ 652	24%	$ 20,693	$ 24,815	$ 4,122	20%
Metal Sales & Excess Residue	$ 61,053	$ 106,696	$ 45,644	75%	$ 422,968	$ 766,536	$ 343,569	81%
Bulky Waste	$ 8,999	$ 7,065	$ (1,934)	-21%	$ 63,924	$ 100,625	$ 36,701	57%
Recycling Facility	$ 91,064	$ 120,438	$ 29,374	32%	$ 616,703	$ 1,022,312	$ 405,609	66%
Electricity Sales	$ 1,737,752	$ 1,268,567	$ (469,185)	-27%	$ 6,831,667	$ 6,563,148	$ (268,519)	-4%
Other Energy Markets	$ 365,161	$ 350,176	$ (14,985)	-4%	$ 2,540,278	$ 2,854,978	$ 314,700	12%
Misc. (Interest, Fees, Other)	$ 1,250	$ 2,169	$ 919	74%	$ 27,073	$ 111,964	$ 84,891	314%
TOTAL ACCRUED REVENUES	$ 5,618,635	$ 5,406,873	$ (211,762)	-4%	$ 35,104,905	$ 34,879,981	$ (224,924)	-1%
EXPENDITURES								
Administrative Expenses	$ 216,515	$ 129,359	$ 87,156	40%	$ 1,622,456	$ 1,473,007	$ 149,449	9%
Operational Expenses	$ 291,777	$ 343,565	$ (51,788)	-18%	$ 1,763,855	$ 1,549,892	$ 213,963	12%
PILOTs & Fees	$ 216,373	$ 170,013	$ 46,360	21%	$ 1,529,611	$ 1,669,168	$ (139,557)	-9%
Waste Transport	$ 1,060,512	$ 1,166,240	$ (105,728)	-10%	$ 7,717,206	$ 8,105,107	$ (387,901)	-5%
Recycling Facility	$ 54,731	$ 62,816	$ (8,085)	-15%	$ 383,117	$ 337,772	$ 45,345	12%
Murphy Road Operations	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
MIRA Facilities Operating Exp.	$ 68,426	$ 56,060	$ 12,366	18%	$ 522,668	$ 500,240	$ 22,428	4%
NAES Contract Operating Charges	$ 2,240,519	$ 2,430,937	$ (190,418)	-8%	$ 17,455,561	$ 17,068,392	$ 387,169	2%
NAES On-Site Incentive Comp.	$ 76,041	$ 76,041	$ -	0%	$ 532,287	$ 402,125	$ 130,162	24%
NAES Management Fees	$ 103,419	$ 89,917	$ 13,502	13%	$ 723,933	$ 586,517	$ 137,416	19%
Transfer Station - Ellington	$ 1,191	$ 1,239	$ (48)	-4%	$ 8,337	$ 9,203	$ (866)	-10%
Transfer Station - Essex	$ 47,091	$ 47,220	$ (129)	0%	$ 329,637	$ 320,834	$ 8,803	3%
Transfer Station - Torrington	$ 45,695	$ 45,233	$ 462	1%	$ 319,865	$ 313,786	$ 6,079	2%
Transfer Station - Watertown	$ 47,111	$ 46,889	$ 222	0%	$ 329,777	$ 323,682	$ 6,095	2%
TOTAL ACCRUED EXPENDITURES	$ 4,469,401	$ 4,665,529	$ (196,128)	-4%	$ 33,238,310	$ 32,659,725	$ 578,585	2%
OPERATING INCOME (Before Reserves / Transfers)	**$ 1,149,234**	**$ 741,344**	**$ (407,890)**	**-35%**	**$ 1,866,595**	**$ 2,220,256**	**$ 353,661**	**19%**
DISTRIBUTION OF CSWS OPERATING INCOME								
Debt Service Fund	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
CSWS Improvement Fund	$ 1,123,015	$ 1,123,015	$ -	0%	$ 10,838,090	$ 9,715,075	$ (1,123,015)	-10%
CSWS Risk Fund	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
CSWS Legal Reserve	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
MIRA Severance Reserve	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
TOTAL DISTRIBUTIONS	$ 1,123,015	$ 1,123,015	$ -	0%	$ 10,838,090	$ 9,715,075	$ (1,123,015)	-10%
SURPLUS / (DEFICIT)	$ 26,219	$ (381,671)	$ (407,890)	-1556%	$ (8,971,496)	$ (7,494,819)	$ 1,476,676	-16%

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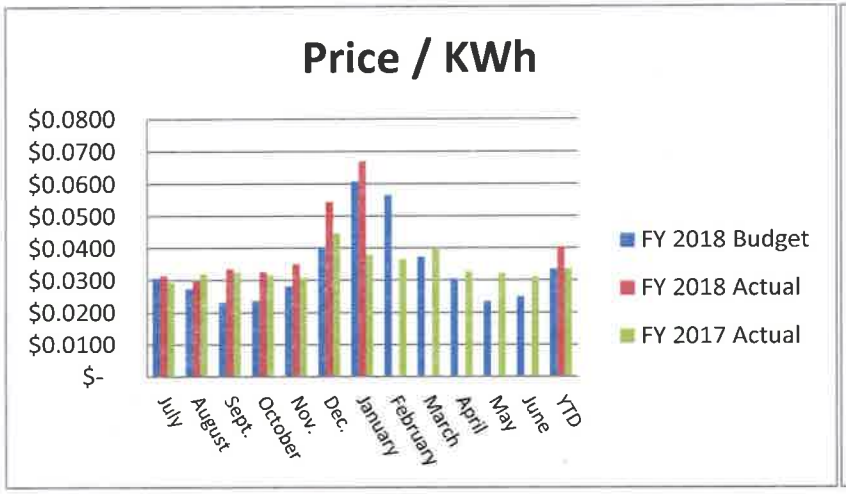
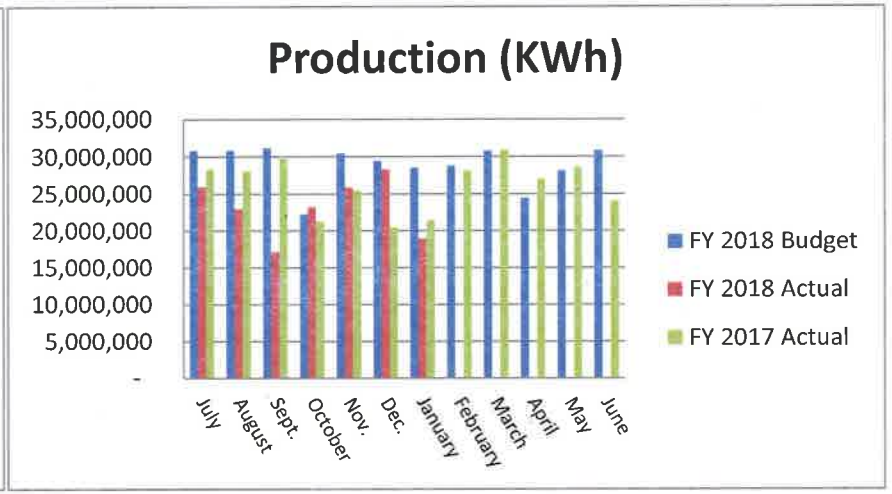
CSWS Electricity Production

Period Ending: **January 31, 2018**

	Price			Production			Generation Revenue		
FY 2018	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
July	$ 0.0308	$ 0.0316	$ 0.0008	30,876,610	25,992,500	(4,884,110)	$ 949,456	$ 820,289	$ (129,167)
August	$ 0.0273	$ 0.0298	$ 0.0025	30,876,610	22,991,760	(7,884,850)	$ 844,475	$ 685,639	$ (158,837)
Sept.	$ 0.0232	$ 0.0336	$ 0.0104	31,243,392	17,140,940	(14,102,452)	$ 723,285	$ 575,745	$ (147,540)
October	$ 0.0237	$ 0.0327	$ 0.0089	22,270,553	23,198,750	928,197	$ 528,925	$ 758,293	$ 229,368
Nov.	$ 0.0281	$ 0.0352	$ 0.0071	30,487,793	25,920,700	(4,567,093)	$ 858,231	$ 912,819	$ 54,588
Dec.	$ 0.0404	$ 0.0545	$ 0.0141	29,480,608	28,309,980	(1,170,628)	$ 1,189,543	$ 1,541,796	$ 352,253
January	$ 0.0607	$ 0.0670	$ 0.0062	28,604,973	18,937,420	(9,667,553)	$ 1,737,752	$ 1,268,567	$ (469,185)
February	$ 0.0567	$ -	n/a	28,847,390	-	n/a	$ 1,634,205	$ -	n/a
March	$ 0.0374	$ -	n/a	30,842,303	-	n/a	$ 1,151,960	$ -	n/a
April	$ 0.0306	$ -	n/a	24,461,136	-	n/a	$ 747,288	$ -	n/a
May	$ 0.0235	$ -	n/a	28,132,022	-	n/a	$ 662,509	$ -	n/a
June	$ 0.0249	$ -	n/a	30,876,610	-	n/a	$ 770,371	$ -	n/a
YTD	$ 0.0335	$ 0.0404	$ 0.0069	**203,840,539**	**162,492,050**	(41,348,489)	**$ 6,831,667**	**$ 6,563,148**	$ (268,519)
YTD % Var.			21%			-20%			-4%





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FY 2018 Board of Directors Financial Report

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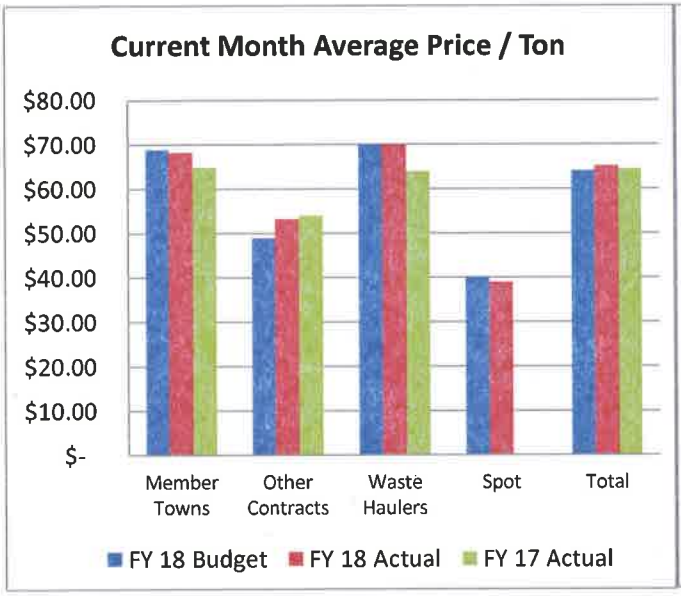
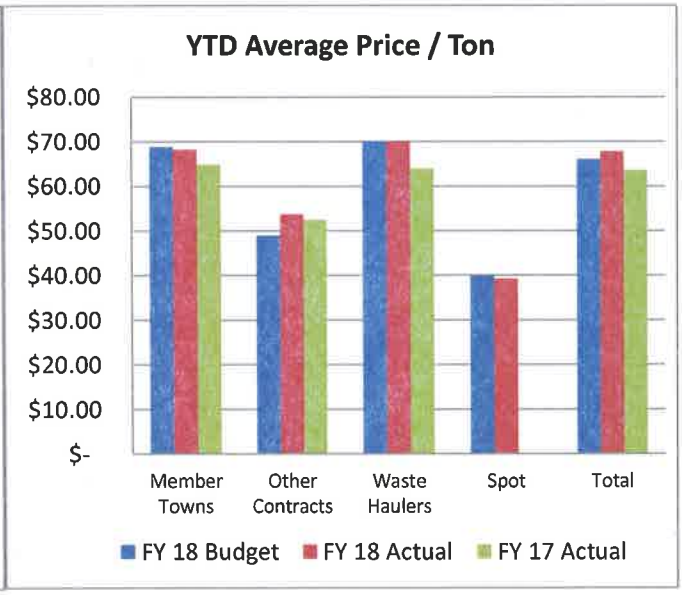
CSWS Solid Waste Summary **Period Ending:** **January 31, 2018**

	Current Month			Year To Date		
FY 18 Budget	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	28,265	$ 1,946,862	$ 68.88	219,309	$ 15,104,986	$ 68.88
Other Contracts	7,872	$ 385,728	$ 49.00	48,010	$ 2,352,494	$ 49.00
Waste Haulers	12,450	$ 871,500	$ 70.00	97,940	$ 6,855,800	$ 70.00
Spot	3,665	$ 146,600	$ 40.00	6,708	$ 268,320	$ 40.00
Total	52,252	$ 3,350,690	$ 64.13	371,967	$ 24,581,600	$ 66.09
FY 18 Actual	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	30,137	$ 2,055,354	$ 68.20	219,067	$ 14,938,187	$ 68.19
Other Contracts	5,991	$ 318,647	$ 53.19	15,991	$ 859,368	$ 53.74
Waste Haulers	14,750	$ 1,032,518	$ 70.00	106,832	$ 7,478,367	$ 70.00
Spot	3,414	$ 133,029	$ 38.96	3,718	$ 145,795	$ 39.21
Total	54,292	$ 3,539,547	$ 65.19	345,608	$ 23,421,717	$ 67.77
Variance	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	1,872	$ 108,492	$ (0.68)	(242)	$ (166,799)	$ (0.69)
Other Contracts	(1,881)	$ (67,081)	$ 4.19	(32,019)	$ (1,493,126)	$ 4.74
Waste Haulers	2,300	$ 161,018	$ -	8,892	$ 622,567	$ 0.00
Spot	(251)	$ (13,571)	$ (1.04)	(2,990)	$ (122,525)	$ (0.79)
Total	2,040	$ 188,857	$ 1.07	(26,359)	$ (1,159,883)	$ 1.68
Total % Var.	3.9%	5.6%	1.7%	-7.1%	-4.7%	2.5%





Materials Innovation and Recycling Authority
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CSWS Recycling Facility (Deliveries)

Period Ending: **January 31, 2018**

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
FCR Delivery Revenue	**$ 59,574**	**$ 78,136**	**$ 18,562**	**$ 411,635**	**$ 547,532**	**$ 135,898**
FCR Export Revenue	$ 26,090	$ 37,814	$ 11,724	$ 167,268	$ 453,064	$ 285,796
Non Participating Tip Fee	**$ 5,400**	**$ 4,488**	**$ (912)**	$ 37,800	$ 21,715	$ (16,085)
Total	$ 91,064	$ 120,438	$ 29,374	$ 616,703	$ 1,022,312	$ 405,609
Total % Var.			32%			66%

	Deliveries CSWS Sourced			Deliveries FCR Sourced			Delivery
Current Month Budget	Tons	Rate	Revenue	Tons	Rate	Revenue	Revenue
Residential Dual	-	$ 8.50	$ -	-	$ 7.50	$ -	$ -
Residential Single	**5,086.00**	$ 8.50	**$ 43,231**	**810**	$ 7.50	**$ 6,075**	$ 49,306
Commercial	**12.00**	$ -	$ -	-	$ -	$ -	$ -
Total Paid Residue	n/a	n/a	n/a	**151**	$ 68.00	**$ 10,268**	$ 10,268
Total	5,098.00	$ 8.48	$ 43,231	961	$ 17.01	$ 16,343	**$ 59,574**
Current Month Actual							
Residential Dual	-	n/a	$ -	-	n/a	$ -	$ -
Residential Single	**4,971.11**	$ 8.50	**$ 42,254**	**148**	$ 7.50	**$ 1,110**	$ 43,364
Commercial	**4.05**	$ -	$ -	**9**	$ -	$ -	$ -
Total Paid Residue	n/a	n/a	n/a	**511**	$ 68.00	**$ 34,772**	$ 34,772
Total	4,975.16	$ 8.49	$ 42,254	669	$ 53.66	$ 35,882	**$ 78,136**
Current Month Variance							
Residential Dual	-	n/a	-	-	n/a	-	$ -
Residential Single	(114.89)	-	(977)	(662)	-	(4,965)	$ (5,942)
Commercial	(7.95)	-	-	9	-	-	$ -
Total Paid Residue	n/a	n/a	n/a	360	-	24,504	$ 24,504
Total	(122.84)	$ 0.01	$ (977)	(292)	-	$ 19,539	**$ 18,562**

	Deliveries CSWS Sourced			Deliveries FCR Sourced			Total
Year To Date Budget	Tons	Rate	Revenue	Tons	Rate	Revenue	Revenue
Residential Dual	-	$ 8.50	$ -	-	$ 7.50	$ -	$ -
Residential Single	31,603.00	$ 8.50	$ 268,626	6,030	$ 7.50	$ 45,225	$ 313,851
Commercial	67.00	$ -	$ -	-	$ -	$ -	$ -
Total Paid Residue	n/a	n/a	n/a	1,438	$ 68.00	$ 97,784	$ 97,784
Total	31,670.00	$ 8.48	268,625.50	7,468	$ 19.15	$ 143,009	**$ 411,635**
Year To Date Actual							
Residential Dual	-	n/a	$ -	-	n/a	$ -	$ -
Residential Single	32,893.92	$ 8.50	$ 279,598	2,943	$ 7.50	$ 22,070	$ 301,669
Commercial	53.75	$ -	$ -	791	$ -	$ -	$ -
Total Paid Residue	n/a	n/a	n/a	3,616	$ 68.00	$ 245,864	$ 245,864
Total	32,947.67	$ 8.49	279,598.32	7,349	$ 36.46	$ 267,934	**$ 547,532**
Year To Date Variance							
Residential Dual	-	n/a	-	-	n/a	-	$ -
Residential Single	1,290.92	-	10,973	(3,087)	-	(23,155)	$ (12,182)
Commercial	(13.25)	-	-	791	-	-	$ -
Total Paid Residue	n/a	n/a	n/a	2,178	-	148,080	$ 148,080
Total	1,277.67	0.00	10,972.82	(119)	$ 17.31	$ 124,925	**$ 135,898**

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CSWS Recycling Facility (Exports)

Period Ending: **January 31, 2018**

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
FCR Delivery Revenue	$ 59,574	$ 78,136	$ 18,562	$ 411,635	$ 547,532	$ 135,898
FCR Export Revenue	**$ 26,090**	**$ 37,814**	**$ 11,724**	**$ 167,268**	**$ 453,064**	**$ 285,796**
Non Participating Tip Fee	$ 5,400	$ 4,488	$ (912)	$ 37,800	$ 21,715	$ (16,085)
Total	$ 91,064	$ 120,438	$ 29,374	$ 616,703	$ 1,022,312	$ 405,609
Total % Var.			32%			66%

	Exports CSWS Sourced			Exports FCR Sourced			Export
Current Month Budget	Tons	Rate	Revenue	Tons	Rate	Revenue	Revenue
Residential ONP	**2,350.00**	**$ 3.00**	**$ 7,050**	**373**	**$ 1.00**	**$ 373**	$ 7,423
Residential OCC	**842.00**	**$ 16.01**	**$ 13,478**	**133**	**$ 3.01**	**$ 400**	$ 13,878
Residential Containers	**1,364.00**	**$ 3.00**	**$ 4,091**	**217**	**$ 0.50**	**$ 109**	$ 4,200
Commercial	**12.00**	**$ 49.08**	**$ 589**	-	$ -	$ -	$ 589
Total	4,568.00	$ 5.52	$ 25,208	723	$ 1.22	$ 882	$ 26,090
Current Month Actual							
Residential ONP	**2,151.14**	$ 1.50	**$ 3,227**	**64**	$ 0.30	**$ 19**	$ 3,246
Residential OCC	**1,027.59**	$ 21.50	**$ 22,093**	**31**	$ 4.30	**$ 132**	$ 22,225
Residential Containers	**1,642.74**	$ 7.31	**$ 12,003**	**49**	$ 1.46	**$ 71**	$ 12,075
Commercial	**4.05**	$ 43.00	**$ 174**	**9**	$ 9.99	**$ 94**	$ 268
Total	4,825.52	$ 7.77	$ 37,498	153	$ 2.07	$ 316	$ 37,814
Current Month Variance							
Residential ONP	(198.86)	$ (1.50)	(3,823)	(309)	$ (0.70)	(354)	$ (4,177)
Residential OCC	185.59	$ 5.49	8,615	(102)	$ 1.29	(268)	$ 8,347
Residential Containers	278.74	$ 4.31	7,912	(168)	$ 0.96	(38)	$ 7,875
Commercial	(7.95)	$ (6.08)	(415)	9	$ 9.99	94	$ (321)
Total	257.52	$ 2.25	$ 12,290	(570)	$ 0.85	$ (566)	$ 11,724

	Exports CSWS Sourced			Exports FCR Sourced			Total
Year To Date Budget	Tons	Rate	Revenue	Tons	Rate	Revenue	Revenue
Residential ONP	14,030.00	$ 3.00	$ 42,094	2,735	$ 1.00	$ 2,735	$ 44,829
Residential OCC	5,551.00	$ 16.00	$ 88,803	1,087	$ 3.00	$ 3,266	$ 92,069
Residential Containers	8,716.00	$ 3.00	$ 26,148	1,703	$ 0.50	$ 851	$ 26,999
Commercial	67.00	$ 50.31	$ 3,371	-	$ -	$ -	$ 3,371
Total	28,364.00	$ 5.66	$ 160,416	5,525	$ 1.24	$ 6,852	$ 167,268
Year To Date Actual							
Residential ONP	12,911.66	$ 6.42	$ 82,950	1,099	$ 1.27	$ 1,394	$ 82,950
Residential OCC	6,845.83	$ 33.99	$ 232,656	606	$ 6.42	$ 3,893	$ 232,656
Residential Containers	8,396.14	$ 13.88	$ 116,568	701	$ 3.40	$ 2,382	$ 116,568
Commercial	53.75	$ 72.49	$ 3,896	791	$ 11.79	$ 9,325	$ 3,896
Total	28,207.38	$ 15.46	$ 436,070	3,198	$ 5.31	$ 16,994	$ 453,064
Year To Date Variance							
Residential ONP	(1,118.34)	$ 3.42	40,856	(1,636)	$ 0.27	(1,341)	$ 39,515
Residential OCC	1,294.83	$ 17.99	143,853	(481)	$ 3.42	627	$ 144,480
Residential Containers	(319.86)	$ 10.88	90,420	(1,002)	$ 2.90	1,531	$ 91,952
Commercial	(13.25)	$ 22.18	525	791	$ 11.79	9,325	$ 9,850
Total	(156.62)	$ 9.80	$ 275,654	(2,327)	$ 4.07	$ 10,142	$ 285,796

Materials Innovation and Recycling Authority
FY 2018 Board of Directors Financial Report
CSWS Metal Recovery Operations

Narrative

Period Ending: **January 31, 2018**

Metal Sales

	Budget			Actual			Variance Better (Worse) than Budget		
FY 2018	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	1,654.17	47,812.50	$ 28.90	1,673.36	$ 93,632	$ 55.95	19.19	$ 45,820	$ 27.05
August	1,654.17	47,812.50	$ 28.90	1,797.37	$ 117,487	$ 65.37	143.20	$ 69,674	$ 36.46
September	1,654.17	47,812.50	$ 28.90	1,302.60	$ 83,785	$ 64.32	(351.57)	$ 35,972	$ 35.42
October	1,654.17	47,812.50	$ 28.90	1,463.38	$ 114,723	$ 78.40	(190.79)	$ 66,910	$ 49.49
November	1,654.17	47,812.50	$ 28.90	1,671.17	$ 86,461	$ 51.74	17.00	$ 38,649	$ 22.83
December	1,654.17	47,812.50	$ 28.90	1,556.42	$ 104,928	$ 67.42	(97.75)	$ 57,116	$ 38.51
January	1,654.17	47,812.50	$ 28.90	1,410.82	$ 102,821	$ 72.88	(243.35)	$ 55,008	$ 43.98
February	1,654.17	47,812.50	$ 28.90	-	$ -	n/a	n/a	n/a	n/a
March	1,654.17	47,812.50	$ 28.90	-	$ -	n/a	n/a	n/a	n/a
April	1,654.17	47,812.50	$ 28.90	-	$ -	n/a	n/a	n/a	n/a
May	1,654.17	47,812.50	$ 28.90	-	$ -	n/a	n/a	n/a	n/a
June	1,654.17	47,812.50	$ 28.90	-	$ -	n/a	n/a	n/a	n/a
YTD	**11,579.17**	**$ 334,688**	$ 28.90	**10,875.12**	**$ 703,836**	$ 64.72	**(704.05)**	**$ 369,149**	$ 35.82

Excess Ferrous Residue

	Budget			Actual			Variance Better (Worse) than Budget		
FY 2018	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	368.00	$ 14,720	$ 40.00	230.66	$ 9,226	$ 40.00	(137.34)	(5,493.80)	$ (0.00)
August	368.00	$ 14,720	$ 40.00	238.36	$ 9,534	$ 40.00	(129.64)	(5,185.60)	$ -
September	331.00	$ 13,240	$ 40.00	226.09	$ 9,044	$ 40.00	(104.91)	(4,196.40)	$ -
October	147.00	$ 5,880	$ 40.00	380.90	$ 15,236	$ 40.00	233.90	9,356.00	$ -
November	331.00	$ 13,240	$ 40.00	231.23	$ 9,249	$ 40.00	(99.77)	(3,990.80)	$ -
December	331.00	$ 13,240	$ 40.00	163.37	$ 6,535	$ 40.00	(167.63)	(6,705.20)	$ -
January	331.00	$ 13,240	$ 40.00	96.89	$ 3,876	$ 40.00	(234.11)	(9,364.40)	$ -
February	331.00	$ 13,240	$ 40.00	-	$ -	n/a			
March	331.00	$ 13,240	$ 40.00	-	$ -	n/a			
April	74.00	$ 2,960	$ 40.00	-	$ -	n/a			
May	331.00	$ 13,240	$ 40.00	-	$ -	n/a			
June	401.00	$ 16,040	$ 40.00	-	$ -	n/a			
YTD	**2,207.00**	**88,280.00**	$ 40.00	**1,567.50**	**62,699.80**	$ 40.00	(639.50)	(25,580.20)	(0.00)

Total Metal Sales and Excess Residue

	Budget			Actual			Variance Better (Worse) than Budget		
FY 2018	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton	Tons	Revenue	Rate per Ton
July	2,022.17	62,533	$ 30.92	1,904.02	102,858.34	$ 54.02	(118.15)	40,325.84	23.10
August	2,022.17	62,533	$ 30.92	2,035.73	127,021.31	$ 62.40	13.56	64,488.81	31.47
September	1,985.17	61,053	$ 30.75	1,528.69	92,828.17	$ 60.72	(456.48)	31,775.67	29.97
October	1,801.17	53,693	$ 29.81	1,844.28	129,958.94	$ 70.47	43.11	76,266.44	40.66
November	1,985.17	61,053	$ 30.75	1,902.40	95,710.30	$ 50.31	(82.77)	34,657.80	19.56
December	1,985.17	61,053	$ 30.75	1,719.79	111,462.92	$ 64.81	(265.38)	50,410.42	34.06
January	1,985.17	61,053	$ 30.75	1,507.71	106,696.16	$ 70.77	(477.46)	45,643.66	40.01
February	1,985.17	61,053	$ 30.75	-	-	n/a			
March	1,985.17	61,053	$ 30.75	-	-	n/a			
April	1,728.17	50,773	$ 29.38	-	-	n/a			
May	1,985.17	61,053	$ 30.75	-	-	n/a			
June	2,055.17	63,853	$ 31.07	-	-	n/a			
YTD	**13,786.17**	**422,968**	$ 30.68	**12,442.62**	**766,536.14**	$ 61.61	(1,343.55)	343,568.64	30.93

Materials Innovation and Recycling Authority
FY 2018 Board of Directors Financial Report

Narrative

Property Division Monthly Financial Report

Period Ending: **January 31, 2018**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
REVENUES	Budget	Actual	$	%	Budget	Actual	$	%
Jets Electric:								
Capacity Payments	$ 1,043,529	$ 1,078,475	$ 34,946	3.3%	$ 7,304,703	$ 7,456,380	$ 151,677	2.1%
VARS Payments	$ 4,200	$ 3,596	$ (604)	-14.4%	$ 29,400	$ 101,124	$ 71,724	244.0%
Reserve Credits	$ 50,000	$ 66,544	$ 16,544	33.1%	$ 350,000	$ 868,493	$ 518,493	148.1%
Real Time Energy	$ 12,833	$ 46,710	$ 33,877	264.0%	$ 89,831	$ 221,763	$ 131,932	146.9%
Total Jets Electric	$ 1,110,562	$ 1,195,325	$ 84,763	7.6%	$ 7,773,934	$ 8,647,760	$ 873,826	11.2%
Lease Income:								
CSWS Murphy Road	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
Golf Center	$ 1,513	$ 1,513	$ -	0.0%	$ 10,588	$ 10,588	$ -	0.0%
Wheelabrator Lease	$ 35,946	$ 35,946	$ -	0.0%	$ 251,620	$ 251,620	$ -	0.0%
Jets Billboard	$ -	$ -	$ -	n/a	$ 45,350	$ 45,350	$ -	0.0%
Total Lease Income	$ 37,458	$ 37,458	$ -	0.0%	$ 307,557	$ 307,557	$ -	0.0%
South Central Facility Capacity	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
Education & Trash Museum	$ -	$ (75)	$ (75)	n/a	$ -	$ 975	$ 975	n/a
Interest Income	$ -	$ -	$ -	n/a	$ 5,000	$ 43,894	$ 38,894	777.9%
TOTAL ACCRUED REVENUES	$ 1,148,020	$ 1,232,708	$ 84,688	7.4%	$ 8,086,491	$ 9,000,186	$ 913,695	11.3%
EXPENDITURES								
MIRA Non-Personnel Services	$ 27,769	$ 19,199	$ 8,570	30.9%	$ 138,403	$ 111,238	$ 27,165	19.6%
MIRA Personnel Services	$ 62,397	$ 48,222	$ 14,175	22.7%	$ 467,573	$ 429,480	$ 38,093	8.1%
Railroad Maintenance	$ -	$ -	$ -	n/a	$ 10,000	$ 9,551	$ 450	4.5%
211 Murphy Road Ops. Center	$ -	$ -	$ -	n/a	$ -	$ (605)	$ 605	n/a
1410 Honey Spot Road	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
171 Murphy Road	$ 3,870	$ 3,246	$ 624	16.1%	$ 11,610	$ 10,412	$ 1,198	10.3%
Education & Trash Museum	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
South Central Facility Operating C	$ -	$ -	$ -	n/a	$ -	$ -	$ -	n/a
Jets Operating Charges	$ 173,589	$ 200,314	$ (26,725)	-15.4%	$ 973,002	$ 930,756	$ 42,246	4.3%
TOTAL ACCRUED EXPENDITURES	$ 267,625	$ 270,981	$ (3,356)	-1.3%	$ 1,600,588	$ 1,490,832	$ 109,757	6.9%
OPERATING INCOME **(Before Reserves / Transfers)**	$ 880,395	$ 961,727	$ 81,332	9.2%	$ 6,485,903	$ 7,509,354	$ 1,023,451	15.8%
DISTRIBUTION OF PD OPERATING INCOME								
General Fund Reimbursement	$ -	$ -	$ -	n/a	$ 422,000	$ 422,000	$ -	0.0%
Jets major Maintenance	$ -	$ -	$ -	n/a	$ 703,000	$ 703,000	$ -	0.0%
PD Improvement Fund	$ 15,833	$ 15,833	$ -	0.0%	$ 110,831	$ 94,998	$ (15,833)	-14.3%
TOTAL DISTRIBUTIONS	$ 15,833	$ 15,833	$ -	0.0%	$ 110,831	$ 94,998	$ (15,833)	-14.3%
SURPLUS / (DEFICIT)	$ 864,562	$ 945,894	$ 81,332	9.4%	$ 6,375,072	$ 7,414,356	$ 1,039,284	16.3%

Materials Innovation and Recycling Authority
FY 2018 Board of Directors Financial Report

Narrative

Property Division and CSWS Flow of Funds

Period Ending: January 31, 2018
Transfer Date: February 6, 2018
Funding March 2018

Property Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	$ 1,000.00		$ 1,176,430.97		$ 1,176,430.97	$ 1,000.00

Property Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating Fund	$ 1,109,068.66	$ 1,987.65	$ 285,694.49		$ 356,307.35	$ 1,181,669.17
PD General Fund	$ 9,027,031.31	$ 10,317.39		$ 500,000.00	$ 788,457.62	$ 10,325,806.32
PD Improvement Fund	$ 78,549.17				$ 31,666.00	$ 110,215.17
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					Combined Below
Total	$ 10,917,649.14	$ 12,305.04	$ 285,694.49	$ 500,000.00	$ 1,176,430.97	$ 12,320,690.66

CSWS Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	$ 40,000.00		$ 14,979,001.96		$ 14,979,001.96	$ 40,000.00

CSWS Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating STIF	$ 5,898,021.51	$ 8,646.70	$ 5,232,345.82		$ 4,932,609.30	$ 5,606,931.69
Debt Service Fund	$ 3,875.01					$ 3,875.01
General Fund	$ 1,051.13	$ 1.24				$ 1,052.37
CSWS Risk Fund	$ 855,959.50	$ 1,007.15				$ 856,966.65
CSWS Legal Fund	$ 609,758.62	$ 717.47				$ 610,476.09
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below				$ 2,246,030.00	Combined Below
CSWS Tip Fee Stabilization	Combined Below				$ 7,800,362.66	Combined Below
Total	$ 7,368,665.77	$ 10,372.56	$ 5,232,345.82	$ -	$ 14,979,001.96	$ 7,079,301.81
Combined						
Severance Fund	$ 726,994.82	$ 854.50	$ 3,000.00		$ -	$ 724,849.32
CSWS Improvement Fund	$ 4,103,426.17		$ 31,950.00		$ 2,246,030.00	$ 6,317,506.17
CSWS Tip Fee Stabilization	$ 566,138.48	$ 6,303.61			$ 7,800,362.66	$ 8,372,804.75

Other Division Balances	Beginning Balance	Interest [+]	Receipts [+]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
General Fund Checking	$ 894,471.02		$ 65,770.71	$ 42,967.33		$ 917,274.40
Landfill Operating Account	$ 3,097,792.98		$ -	$ 20,846.42		$ 3,076,946.56

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. In February 2017 the Board approved the transfer of up to $1,886,564 from the PD General Fund to the CSWS Tip Fee Stabilization Fund, YTD $1,886,564 has been transferred. YTD the CSWS Operating Fund has been short funded by $2,284,810.15. $500,000 in settlement receipts were deposited into the PD General Fund. **At the beginning of January 2018, CSWS received $8,200,170.39 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 January 31, 2018, $0 in prepaid tip fees have been applied to pay customer invoices and $8,200,170.39 remained available on customer accounts. After the distribution of January receipts, $15,080,682.18 remained due to the Tip Fee Stabilization Fund from CSWS. YTD $5,000,000 has been contributed to the CSWS Tip Fee Stabilization reserve from receipts. Makeup contributions of $15,833 to PD Improvement fund and $1,123,015 to CSWS Improvement Fund were made to mitigate previously deferred contributions. To date all scheduled capital contributions are completed.**

Materials Innovation and Recycling Authority
FY 2018 Board of Directors Financial Report
CSWS Improvement Fund Status

Narrative

Period Ending: 01/31/18

	Current Month			Year to Date		
WASTE PROCESSING FACILITY	**Budget**	**Actual**	**Variance**	**Budget**	**Actual**	**Variance**
Trommels	$ -	$ -	$ -	$ 100,000	$ 131,350	$ (31,350)
Conveyors	$ 150,000	$ 31,950	$ 118,050	$ 200,000	$ 31,950	$ 168,050
MSW / RDF Tip Floor Repairs	$ -	$ -	$ -	$ 340,000	$ 63,100	$ 276,900
Building Repairs	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repairs	$ -	$ -	$ -	$ 120,000	$ 86,000	$ 34,000
Loaders	$ 100,000	$ -	$ 100,000	$ 260,000	$ 59,304	$ 200,696
Other Rolling Stock	$ -	$ -	$ -	$ 60,000	$ 69,831	$ (9,831)
Site Repairs	$ -	$ -	$ -	$ -	$ -	$ -
WPF Sub-total	$ 250,000	$ 31,950	$ 218,050	$ 1,080,000	$ 441,535	$ 638,465
POWER BLOCK FACILITY						
Boiler 11	$ -	$ -	$ -	$ -	$ 90,225	$ (90,225)
Boiler 12	$ -	$ -	$ -	$ 2,470,000	$ 2,764,423	$ (294,423)
Boiler 13	$ -	$ -	$ -	$ 1,126,000	$ 346,109	$ 779,891
Turbine 6	$ -	$ -	$ -	$ 2,801,667	$ -	$ 2,801,667
Baghouse	$ -	$ -	$ -	$ 700,000	$ 2,961,629	$ (2,261,629)
Auxiliary Systems	$ 210,000	$ -	$ 210,000	$ 430,000	$ 53,113	$ 376,887
Building Repairs	$ -	$ -	$ -	$ -	$ -	$ -
Roof Repairs	$ -	$ -	$ -	$ -	$ 299,788	$ (299,788)
Site Repairs	$ -	$ -	$ -	$ -	$ -	$ -
Switch Yard / Switchgear	$ -	$ -	$ -	$ 25,000	$ -	$ 25,000
Stack / Common Duct	$ -	$ -	$ -	$ -	$ -	$ -
Ash System / Load Out	$ -	$ -	$ -	$ 460,000	$ 104,788	$ 355,212
PBF Sub-total	$ 210,000	$ -	$ 210,000	$ 8,012,667	$ 6,620,075	$ 1,392,592
TOTAL CSWS IMPROVEMENT FUND	$ 460,000	$ 31,950	$ 428,050	$ 9,092,667	$ 7,061,610	$ 2,031,057

Materials Innovation and Recycling Authority
FY 2018 Board of Directors Financial Report

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Segmented Income Statement **Period Ending:** **January 31, 2018**

	General Fund	Connecticut Solid Waste System	Mid-Connecticut Project	Southeast Project	Property Division	Landfill Division	Eliminations	Total
Operating Revenues								
Service charges:								
Members	$ -	$ 14,939	$ -	$ -	$ -			$ 14,939
Others	-	8,584	-	-	-			8,584
Energy sales	-	9,418	-	-	8,648	61		18,127
Other operating revenues	-	1,882	-	-	309	-		2,191
Total Operating Revenues	-	34,823	-	-	8,957	61	-	43,841
Operating Expenses								
Solid waste operations	-	29,562	2,028	-	864	61	(327)	32,188
Maintenance and utilities	-	401		-	64	(20)		445
Legal services - external	-	8	69	-	8	(54)		31
Administrative and Operational services	6	2,305		-	416	68		2,795
Total Operating Expenses	6	32,276	2,097	-	1,352	55	(327)	35,459
Operating Income (Loss) before Depreciation and Amortization	(6)	2,547	(2,097)	-	7,605	6	327	8,382
Depreciation and amortization	15	-	-	-	9,696	69	0	9,780
Operating Income (Loss)	(21)	2,547	(2,097)	-	(2,091)	(63)	327	(1,398)
Non-Operating Revenues (Expenses)								
Investment income	-	57	45	-	44	-	-	146
Settlement income (expenses)	-	-	(281)	-	3,711	-	-	3,430
Other income (expenses)	1	-	-	-	(179)	-	-	(178)
Distribution to SCRRRA	-	-	-	(656)	-	-	-	(656)
Non-Operating Revenues (Expenses), net	1	57	(236)	(656)	3,576	-	-	2,742
Income (Loss) before Transfers	(20)	2,604	(2,333)	(656)	1,485	(63)	327	1,344
Transfers in (out)	-	(7,378)	(2,618)	(406)	8,111	2,618	(327)	-
Change in Net Position	(20)	(4,774)	(4,951)	(1,062)	9,596	2,555	-	1,344
Total Net Position, beginning of period	1,734	12,300	7,983	1,062	84,317	19,205	-	126,601
Total Net Position, end of period	$ 1,714	$ 7,526	$ 3,032	$ -	$ 93,913	$ 21,760	$ -	$ 127,945
RECONCILIATION TO VARIANCE REPORT:								
Add: Expenses paid from reserves	-	-		-		-		-
Add: Amortization	15	-	-	-	9,696	69	-	9,780
less: GAAP Exp (Deferred for Budget)	-			-		-		-
add: Spare parts and fuel inventory adjustment	-	(384)		-	(60)	-		(444)
add: Capitalized expenses net of asset disposals	-			-	99	-		99
add: Settlement Income	-			-	(3,711)			(3,711)
Operating Income (Loss) per Variance report	n/a	2,220	n/a	n/a	7,509	n/a	n/a	9,729
		ties with CSWS financials tab			ties with PD financials tab			

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 Jan 31, 2018

Line	DETAILS	MONTH TO DATE Budget	MONTH TO DATE Actual	MONTH TO DATE Variance		YEAR TO DATE Budget	YEAR TO DATE Actual	YEAR TO DATE Variance	
	EXPENDITURES								
	PERSONNEL SERVICES ALLOCATION								
1	Total Personnel Services	$ 354,529	$ 347,322	$ 7,207	2.03%	$ 2,656,667	$ 2,363,797	$ 292,870	11.02%
2	LESS: MIRA Direct Personnel	$ 146,736	$ 227,760	$ (81,024)	-55.22%	$ 1,099,569	$ 1,025,985	$ 73,584	6.69%
	AUTHORITY BUDGET								
3	Authority Indirect Personnel	$ 207,793	$ 119,562	$ 88,231	42.46%	$ 1,557,097	$ 1,337,812	$ 219,285	14.08%
4	ADD: Authority Indirect Non-Personnel Services	$ 71,437	$ 45,744	$ 25,693	35.97%	$ 535,310	$ 439,331	$ 95,979	17.93%
5	LESS: Miscellaneous Income	$ -	$ -	$ -	0.00%	$ -	$ 12,174	$ (12,174)	0.00%
	SUBTOTAL AUTHORITY BUDGET	$ 279,229	$ 165,306	$ 113,923	40.80%	$ 2,092,407	$ 1,764,969	$ 327,438	15.65%
	TOTAL ALLOCATION								
6	Property Division	$ 62,314	$ 46,699	$ 15,615	25.06%	$ 466,951	$ 415,904	$ 51,047	10.93%
7	Landfill Division	$ 10,359	$ 6,189	$ 4,170	40.26%	$ 77,628	$ 70,478	$ 7,150	9.21%
8	Connecticut Solid Waste System (CSWS)	$ 353,292	$ 340,178	$ 13,114	3.71%	$ 2,647,397	$ 2,304,572	$ 342,825	12.95%
	SUBTOTAL ALLOCATED	**$ 425,966**	**$ 393,066**	**$ 32,900**	**7.72%**	**$ 3,191,977**	**$ 2,790,954**	**$ 401,023**	**12.56%**

Line YTD VARIANCE EXPLANATION

1 Reflects total amount for MIRA Direct and Authority Indirect Personnel; Favorable due to reduction in budgeted positions and timing of benefit expenses.

2 Unfavorable MTD due to benefit allocation true-up but favorable YTD due to one employee not receiving benefits and one unfilled position.

3 Favorable MTD due to benefit allocation true-up and remains favorable YTD due to reduction in budgeted positions and timing of benefit expenses.

4 Favorable due to timing of IT maintenance, computer hardware/software, auditor fees, and legal fees; offset by higher than budgeted temp services and other consulting services.

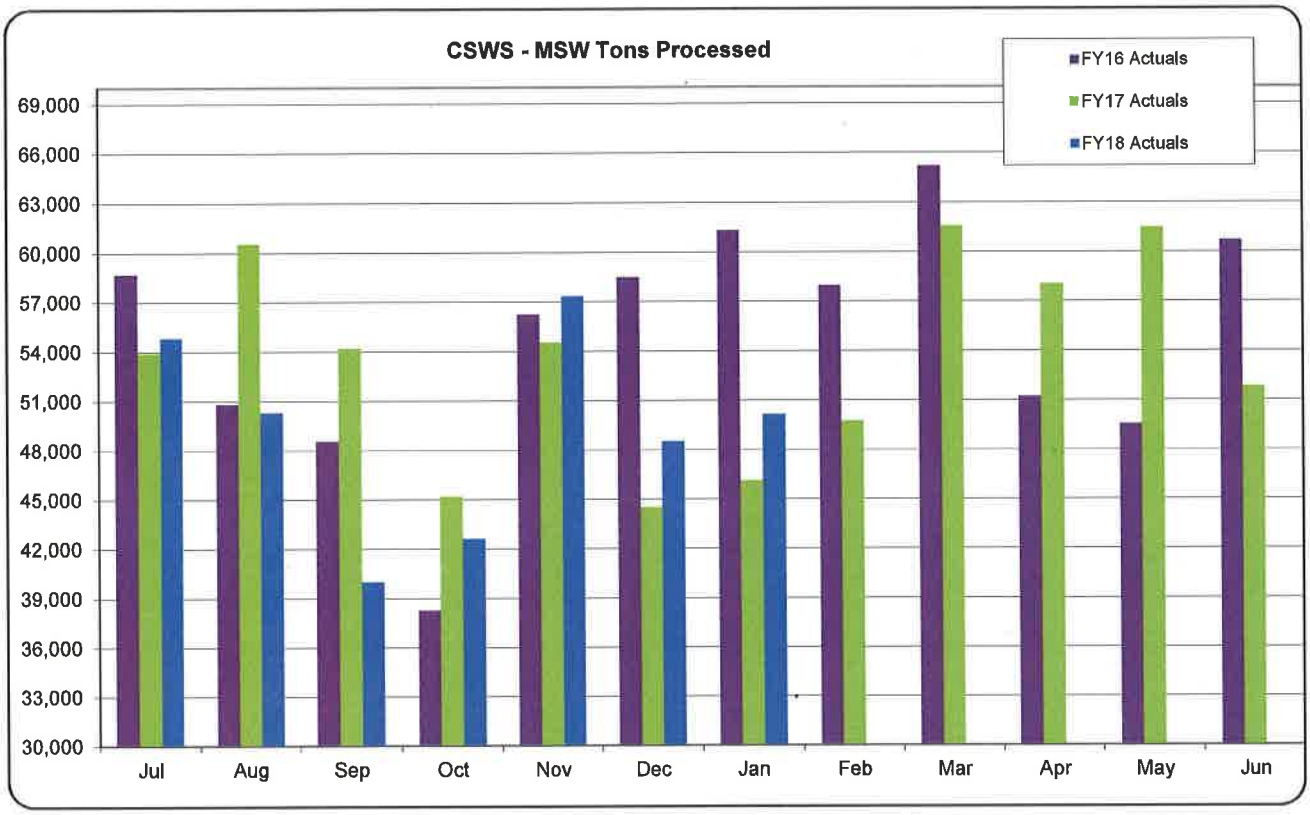
8 Favorable due to lower than budgeted direct and indirect labor & overhead allocation.

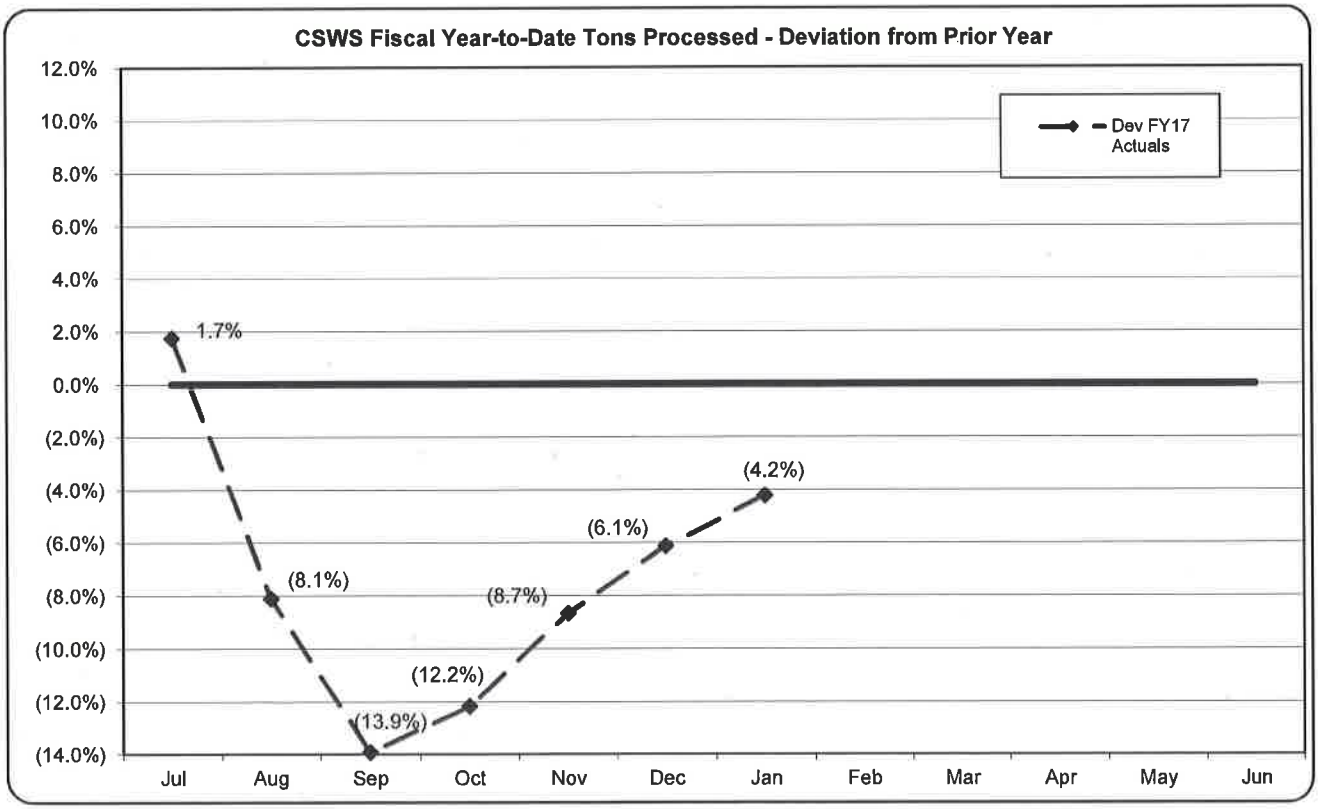
TAB B

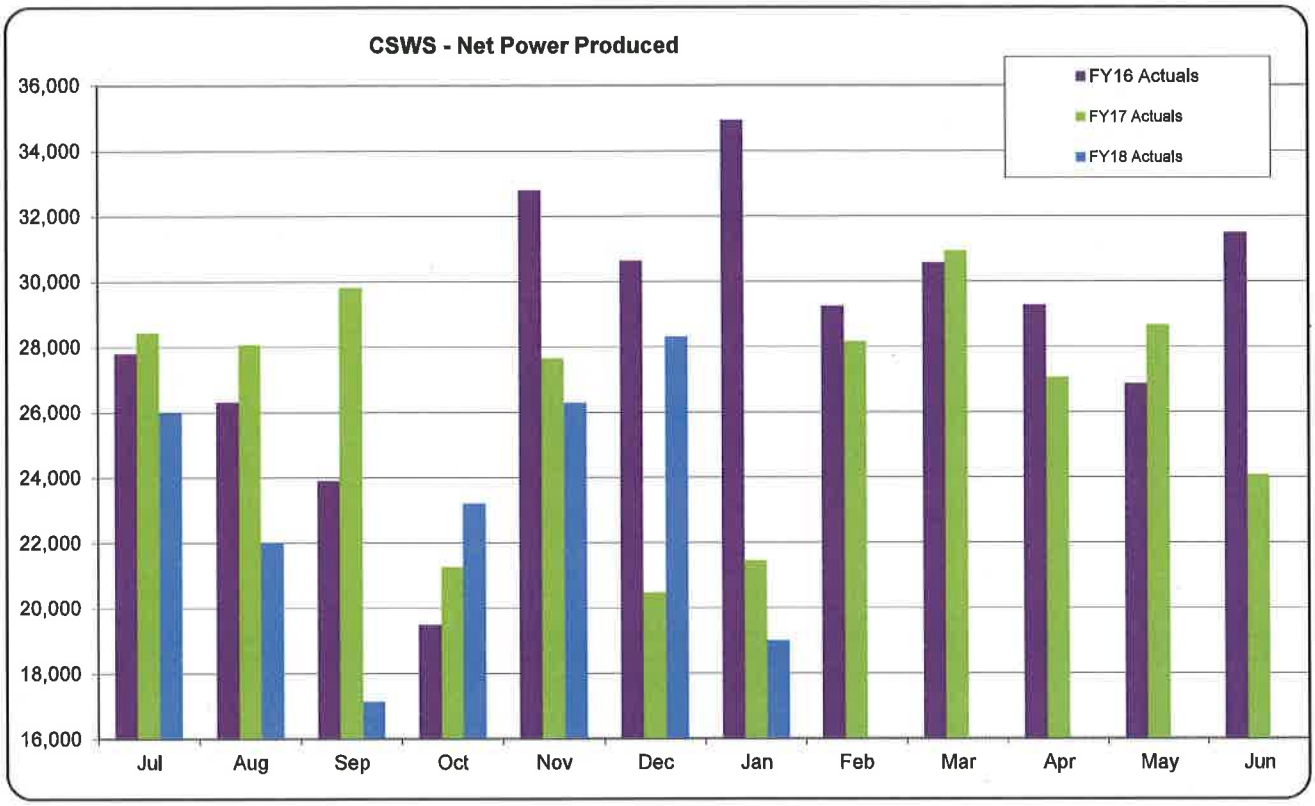
MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Operational Summary
January-18

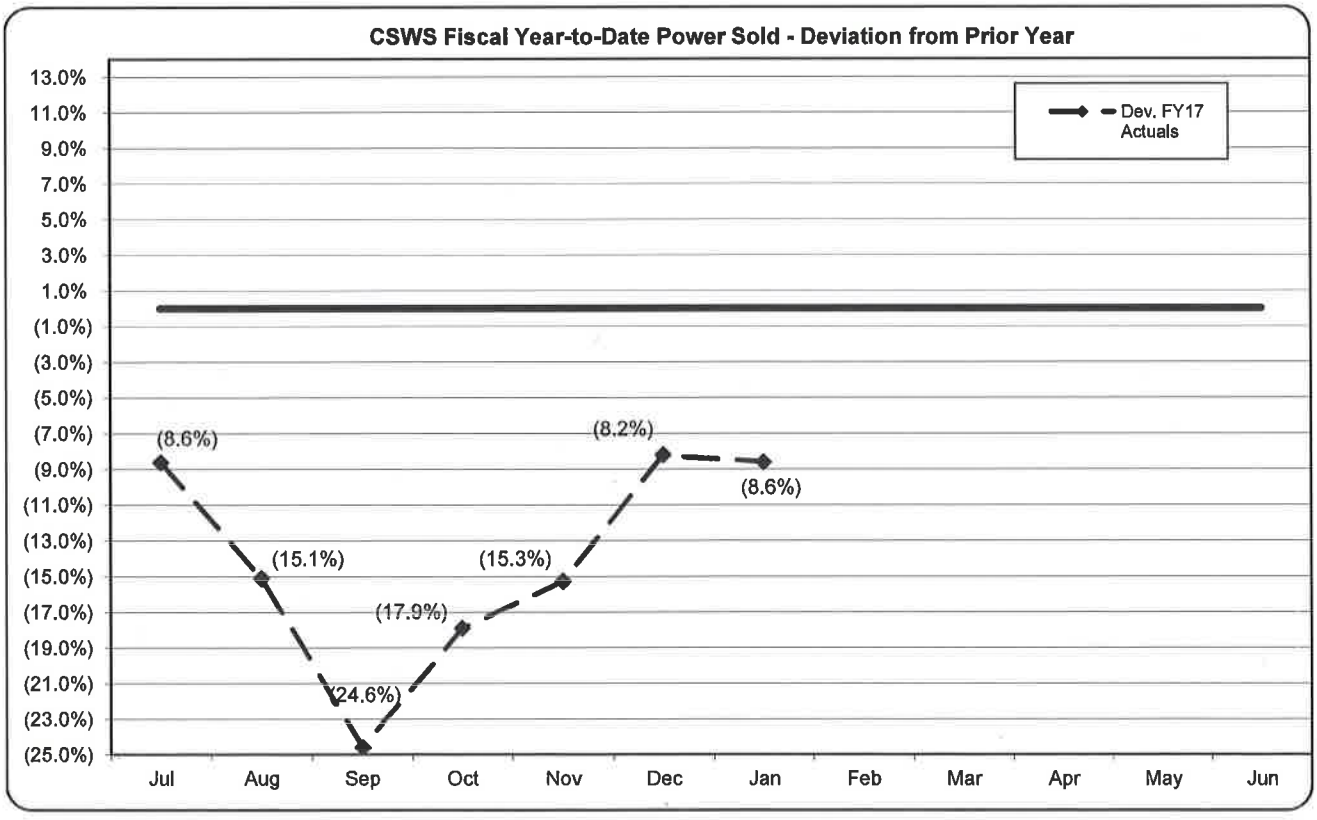
This report provides information on the operations of the CSWS waste-to energy plant along with the South Meadows

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Change	2017	2018	Change	Jan 17	Jan 18	Change
CSWS									
Tons MSW Processed	656,915	641,541	(2.3%)	358,889	343,728	(4.2%)	46,102	50,141	8.8%
Steam (klbs)	4,324,840	4,082,029	(5.6%)	2,354,336	2,045,031	(13.1%)	285,384	244,364	(14.4%)
(% MCR)	71.2%	67.2%		65.8%	57.2%		55.4%	47.4%	
Power (Net MWhr)	343,284	316,092	(7.9%)	177,168	161,916	(8.6%)	21,450	18,990	(11.5%)
South Meadow Jets									
Net MWH	1,635	1,298	(20.6%)	1,114	1,056	(5.2%)	88	94	6.8%


CSWS - MSW Tons Processed
FY16 Actuals
FY17 Actuals
FY18 Actuals
69,000
66,000
63,000
60,000
57,000
54,000
51,000
48,000
45,000
42,000
39,000
36,000
33,000
30,000
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun


CSWS Fiscal Year-to-Date Tons Processed - Deviation from Prior Year
Dev FY17 Actuals
12.0%
10.0%
8.0%
6.0%
4.0%
2.0%
0.0%
(2.0%)
(4.0%)
(6.0%)
(8.0%)
(10.0%)
(12.0%)
(14.0%)
1.7%
(8.1%)
(13.9%)
(12.2%)
(8.7%)
(6.1%)
(4.2%)
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun


CSWS - Net Power Produced
FY16 Actuals
FY17 Actuals
FY18 Actuals
36,000
34,000
32,000
30,000
28,000
26,000
24,000
22,000
20,000
18,000
16,000
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun


CSWS Fiscal Year-to-Date Power Sold - Deviation from Prior Year
Dev. FY17 Actuals
13.0%
11.0%
9.0%
7.0%
5.0%
3.0%
1.0%
(1.0%)
(3.0%)
(5.0%)
(7.0%)
(9.0%)
(11.0%)
(13.0%)
(15.0%)
(17.0%)
(19.0%)
(21.0%)
(23.0%)
(25.0%)
(8.6%)
(15.1%)
(24.6%)
(17.9%)
(15.3%)
(8.2%)
(8.6%)
Jul
Aug
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun

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%

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	08/01/17	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
10/31/17	10/31/17	13	24.00	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

Unscheduled Downtime

Continue

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 / Waterwall 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

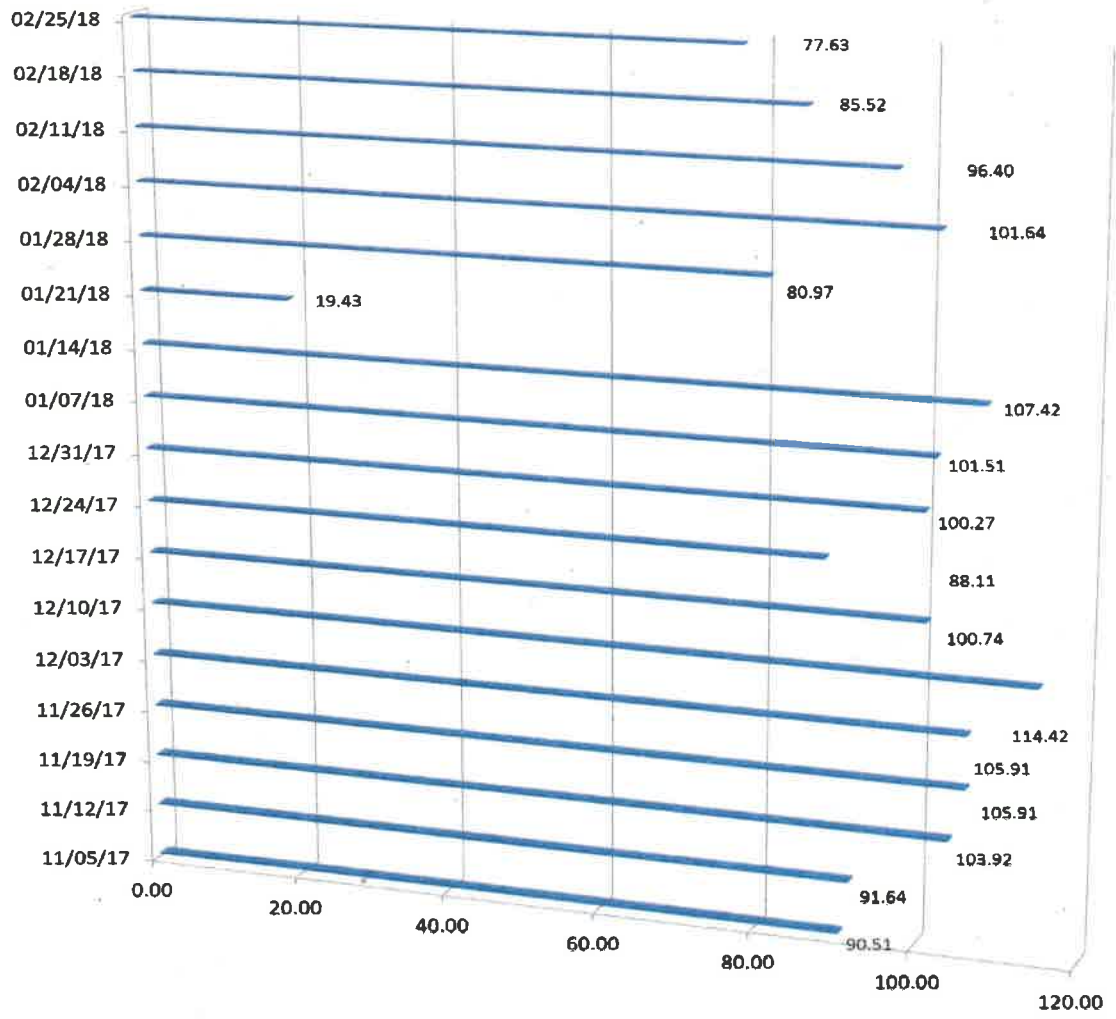
Scheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Work Performed
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
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

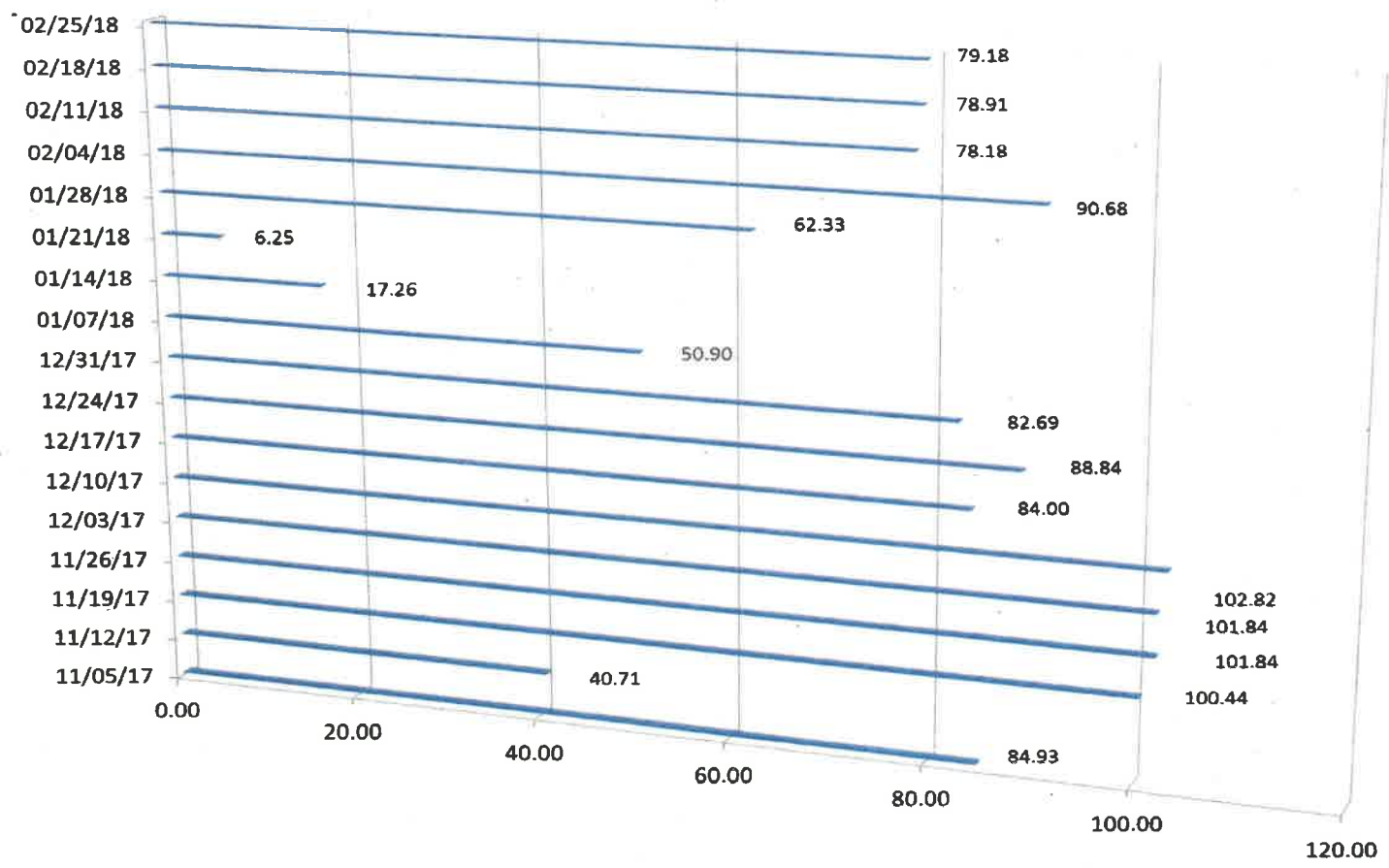
SOUTH MEADOWS JETS
Monthly Operational Summary

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
01/18/18	93.91	ISO-NE Dispatch

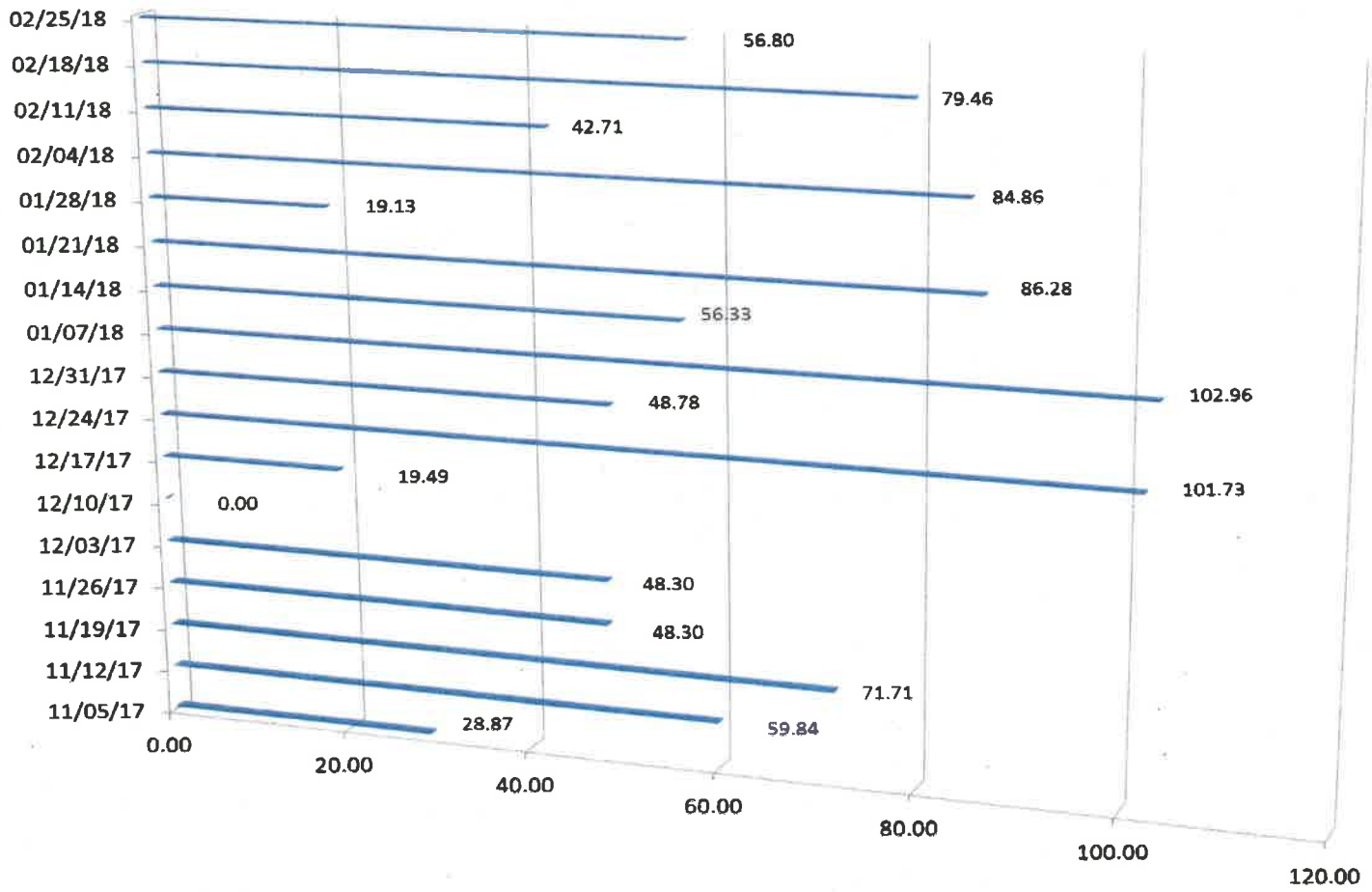
BLR#11 Steam Flow % of Target Steam flow Production

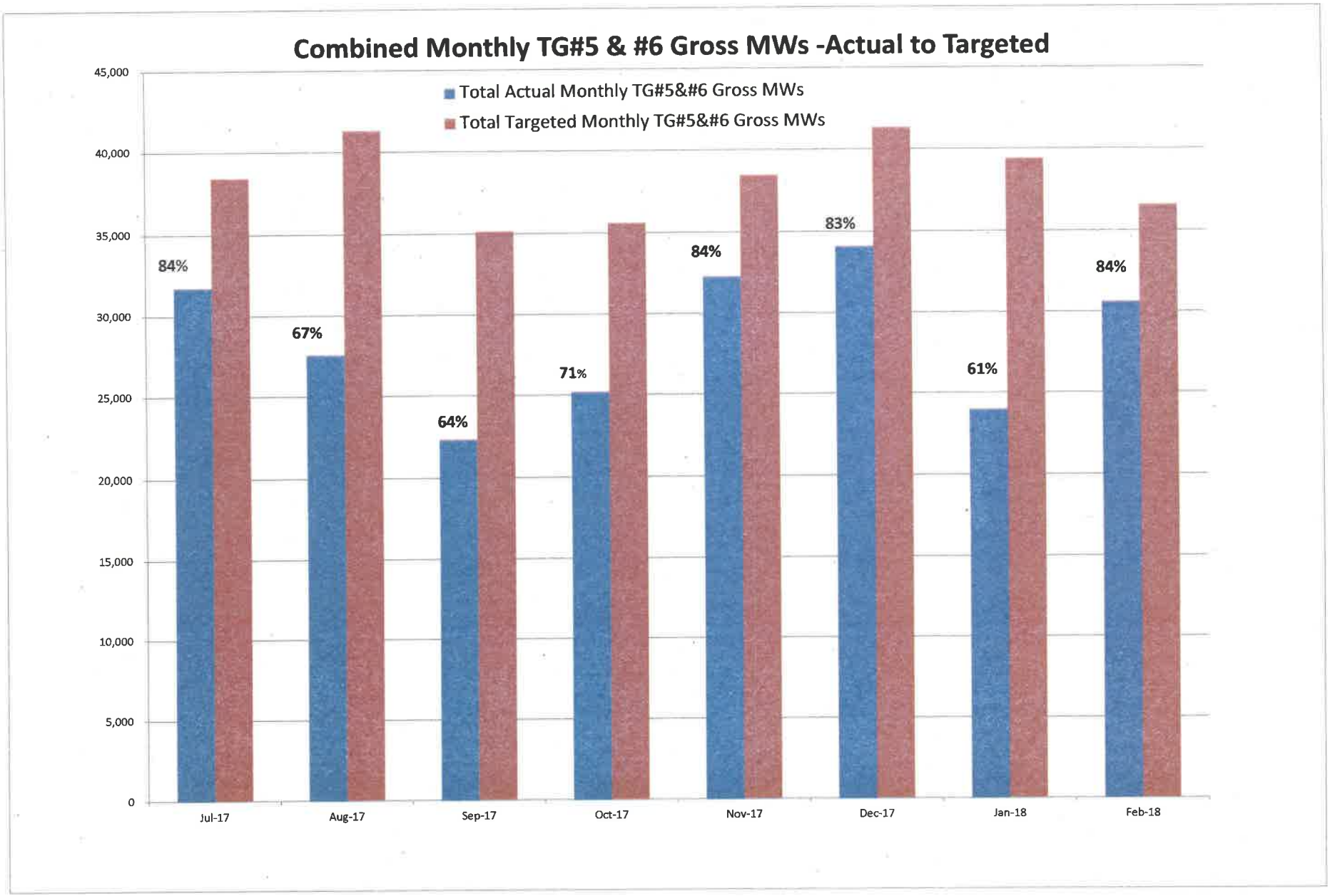


BLR#12 Steam Flow % of Target Steam flow Production



BLR#13 Steam Flow % of Target Steam flow Production




Combined Monthly TG#5 & #6 Gross MWs -Actual to Targeted
Total Actual Monthly TG#5&#6 Gross MWs
Total Targeted Monthly TG#5&#6 Gross MWs
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
84%
67%
64%
71%
84%
83%
61%
84%
Jul-17
Aug-17
Sep-17
Oct-17
Nov-17
Dec-17
Jan-18
Feb-18

TAB C

MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Customer MSW and Recyclables Deliveries

January-18

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly			
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth	
CSWS MSW										
Tier 1	346,503	342,348	(1%)	202,215	201,634	(0%)	27,418	27,630	1%	(1)
Tier 2	13,214	13,300	1%	7,763	7,643	(2%)	1,028	759	(26%)	
Tier 3	2,413	2,549	6%	1,481	9	(99%)	215	1	(99%)	
Tier 4	9,502	14,706	55%	8,478	8,872	5%	1,093	1,145	5%	
Non-Processible MSW	1,299	1,926	48%	1,097	1,004	(8%)	91	81	(10%)	(1)
Hauler Contract	251,700	246,909	(2%)	133,210	122,827	(8%)	14,398	20,741	44%	
Contract (FCR Residue)	6,258	8,106	30%	4,878	4,260	(13%)	649	551	(15%)	(1)
Ferrous Residue (excess)	3,792	2,745	(28%)	1,561	1,541	(1%)	89	71	(20%)	
In-State Spot	15,104	10,110	(33%)	0	3,718	-	0	3,414	-	
Out-of-State Spot	477	21	(96%)	0	0	-	0	0	-	
MSW TOTAL	650,262	642,721	(1%)	360,682	351,509	(3%)	44,980	54,393	17%	

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
CSWS Recyclables									
Tier 1	44,722	45,419	2%	26,647	28,359	6%	3,941	4,214	7%
Tier 3	623	638	2%	376	0	(100%)	58	0	(100%)
Tier 4	2,333	3,413	46%	2,002	2,028	1%	293	297	1%
Hauler Contract	9,711	10,316	6%	6,168	2,672	(57%)	918	531	(42%)
Contractor Sourced	14,896	11,853	(20%)	7,099	3,734	(47%)	492	157	(68%)
In-State Spot	0	0	-	0	0	-	0	0	-
Out-of-State Spot	0	0	-	0	0	-	0	0	-
RECYC. TOTAL	72,284	71,639	(1%)	42,293	36,793	(13%)	5,701	5,199	(9%)

CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
CSWS Facility and/or TS	4,947	5,020	1%	5,020	11,844	136%	5,020	2,025	(60%)
Re-Directed Material (1)	501	0	(100%)	0	2,059	-	0	813	-
TOTAL TONNAGE	5,448	5,020	(8%)	5,020	13,903	177%	5,020	2,838	(43%)

(1) Tons re-directed to Non-MIRA Facility. January 2018 = 274.68 Tier 1, 328.65 Tier 2, 209.35 Contract (FCR Residue). Year to Date FY18 = 598.34, Tier 1, 328.65 Tier 2, 129.05 NPW, 1,002.82 Contract (FCR Residue).

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	Jan 17	Jan 18	Growth
Avon	11,268	11,335	1%	6,626	6,746	2%	917	920	0%
Beacon Falls (1)	2,635	2,370	(10%)	1,498		(100%)	215	0	(100%)
Bethlehem	1,508	1,483	(2%)	874	882	1%	118	118	
Bloomfield	15,679	16,179	3%	9,746	9,001	(8%)	1,303	1,080	(17%)
Canaan	441	411	(7%)	236	263	12%	31	35	11%
Canton	4,680	4,984	6%	2,981	2,957	(1%)	402	409	2%
Clinton	4,803	5,385	12%	3,006	3,610	20%	413	551	33%
Colebrook	602	622	3%	379	360	(5%)	47	39	(19%)
Cornwall	505	531	5%	316	326	3%	41	50	21%
Deep River	3,489	3,077	(12%)	1,892	1,563	(17%)	257	238	(8%)
Durham/Middlefield	6,295	7,478	19%	4,747	3,945	(17%)	596	509	(15%)
East Granby	2,869	2,993	4%	1,729	1,785	3%	257	219	(15%)
East Hampton	6,146	6,399	4%	3,794	3,748	(1%)	532	523	(2%)
Ellington	5,139	5,348	4%	3,188	3,282	3%	439	356	(19%)
Essex	3,078	3,227	5%	1,885	2,135	13%	232	285	23%
Farmington	14,661	14,790	1%	8,702	8,817	1%	1,202	1,231	2%
Glastonbury	19,255	19,236	(0%)	11,252	11,482	2%	1,542	1,608	4%
Goshen	1,345	1,313	(2%)	793	821	4%	100	107	6%
Granby	4,791	4,210	(12%)	2,555	2,490	(3%)	333	358	8%
Haddam	3,372	3,266	(3%)	1,928	1,890	(2%)	265	269	1%
Hartford	84,428	84,355	(0%)	49,099	49,145	0%	6,788	6,743	(1%)
Harwinton	2,030	1,920	(5%)	1,136	1,128	(1%)	145	133	(9%)
Killingworth	1,919	1,892	(1%)	1,112	1,155	4%	148	167	13%
Litchfield	4,860	4,775	(2%)	2,841	2,983	5%	396	418	6%
Lyme	755	759	0%	457	451	(1%)	64	59	(8%)
Marlborough	2,276	2,126	(7%)	1,277	1,305	2%	216	217	1%
Middlebury	2,349	2,338	(0%)	1,381	1,564	13%	188	217	16%
Naugatuck	15,157	14,758	(3%)	9,129	7,683	(16%)	1,262	1,180	(6%)
Norfolk	728	735	1%	437	470	8%	55	58	5%
North Canaan	2,232	2,070	(7%)	1,226	1,264	3%	165	185	12%
Old Lyme	3,276	3,193	(3%)	1,967	2,116	8%	226	232	3%
Old Saybrook	9,852	8,718	(12%)	5,234	5,332	2%	642	659	3%
Oxford (1)	6,204	3,940	(36%)	2,181		(100%)	297	0	(100%)
Portland	3,510	3,648	4%	2,132	2,116	(1%)	285	271	(5%)
Rocky Hill	11,458	11,068	(3%)	6,425	6,505	1%	876	969	11%
Roxbury	704	691	(2%)	415	418	1%	58	59	2%
RRDD#1	11,014	11,068	0%	6,506	6,683	3%	857	843	(2%)
Salisbury/Sharon	3,292	3,294	0%	1,987	1,998	1%	263	288	10%
Simsbury	13,698	13,106	(4%)	7,680	7,774	1%	1,054	1,067	1%
Thomaston (2)	0	0	-	0	2,489	-	0	322	-
Torrington	23,792	23,185	(3%)	13,655	13,479	(1%)	1,885	1,823	(3%)
Watertown	11,204	10,872	(3%)	6,335	6,345	0%	867	845	(3%)
Westbrook (3)	0	0	-	0	1,323	-	0	418	-
Wethersfield	14,634	14,699	0%	8,776	9,202	5%	1,058	1,183	12%
Woodbury	4,569	4,502	(1%)	2,701	2,604	(4%)	379	371	(2%)
TOTAL TIER 1 PARTICIPATING MUNICIPALITIES	346,503	342,348	(1%)	202,215	201,634	(0%)	27,418	27,630	1%

(1) Municipalities left MIRA at the end of FY17

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

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

CSWS Tier 2 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
Manchester	13,214	13,300	1%	7,763	7,643	(2%)	1,028	759	(26%)
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,214	13,300	1%	7,763	7,643	(2%)	1,028	759	(26%)

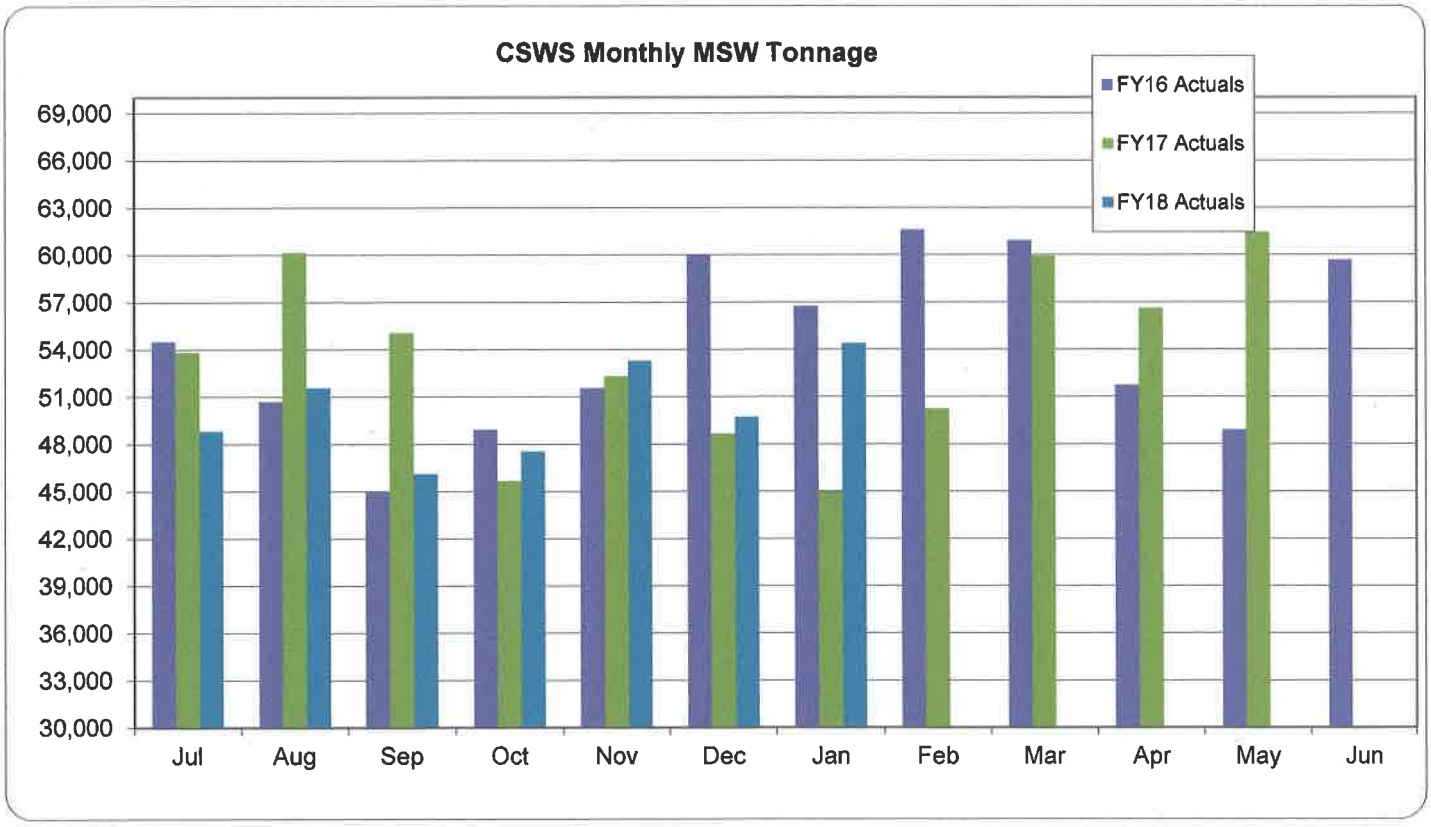
CSWS Tier 3 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
Chester	14	14	6%	9	9	1%	1	1	9%
Thomaston (2)	2,400	2,534	6%	1,472	0	(100%)	213	0	(100%)
TOTAL TIER 3 PARTICIPATING MUNICIPALITIES	2,413	2,549	6%	1,481	9	(99%)	215	1	(99%)

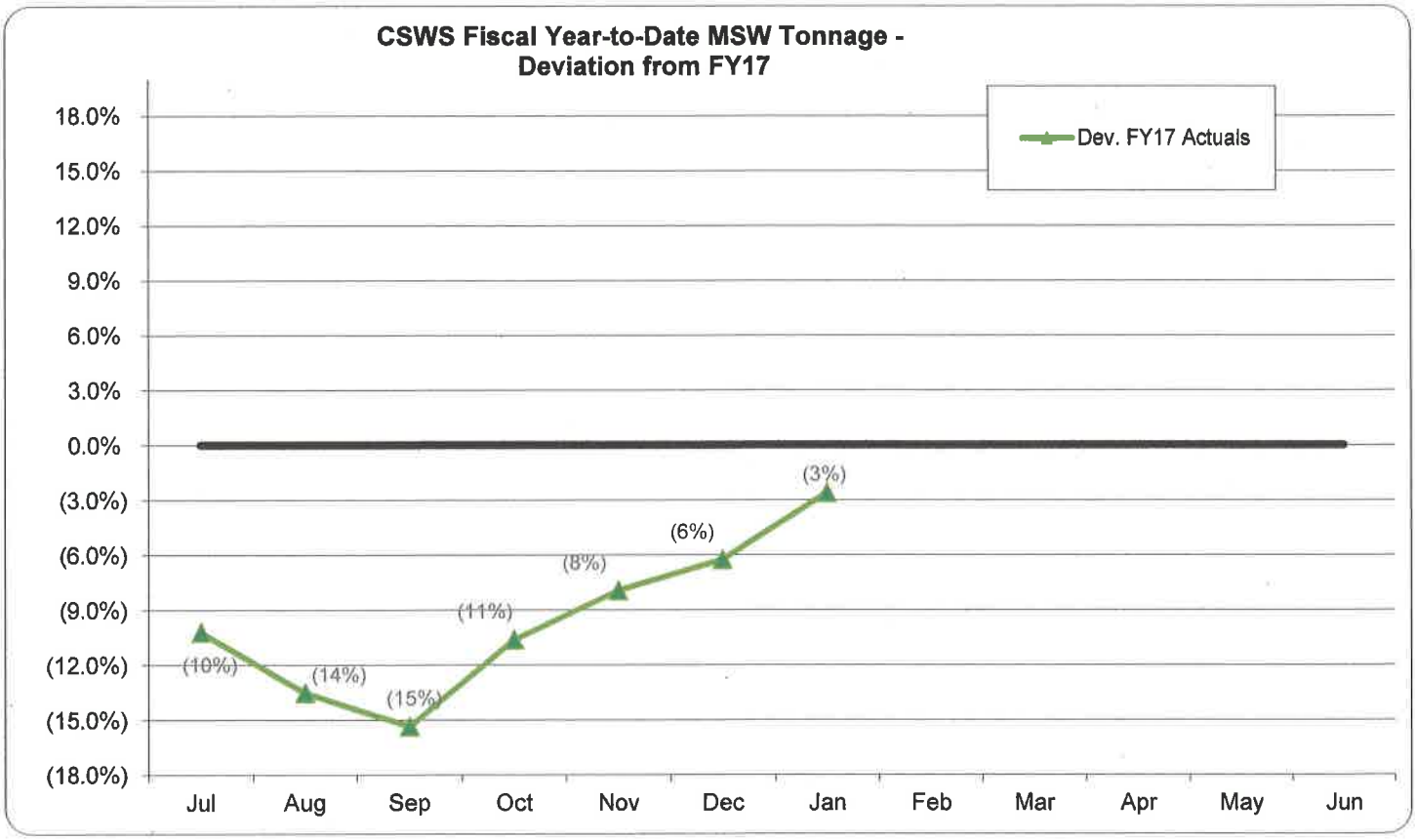
(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

CSWS Tier 4 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
East Hartford (1)	9,502	14,706	55%	8,478	8,872	5%	1,093	1,145	5%
TOTAL TIER 4 PARTICIPATING MUNICIPALITIES	9,502	14,706	55%	8,478	8,872	5%	1,093	1,145	5%

(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	Jan 17	Jan 18	Growth
Avon	2,115	2,027	(4%)	1,216	1,200	(1%)	177	163	(8%)
Beacon Falls (1)	373	411	10%	231	0	(100%)	41	0	(100%)
Bethlehem	346	338	(2%)	202	217	7%	27	35	31%
Bloomfield	1,733	1,697	(2%)	1,012	973	(4%)	150	134	(10%)
Canaan	90	88	(2%)	55	58	5%	10	10	(1%)
Canton	981	911	(7%)	545	658	21%	78	104	32%
Clinton	1,181	1,148	(3%)	688	729	6%	103	106	2%
Colebrook	179	186	4%	105	111	5%	14	14	(1%)
Cornwall	148	148	(0%)	91	102	12%	3	14	330%
Deep River	510	441	(14%)	289	242	(16%)	45	43	(3%)
East Granby	465	1,093	135%	459	548	19%	82	54	(33%)
East Hampton	1,012	1,012	0%	613	519	(15%)	106	69	(35%)
Ellington	1,426	1,362	(4%)	804	783	(3%)	110	105	(5%)
Essex	734	734	0%	420	441	5%	59	60	1%
Farmington	2,697	2,647	(2%)	1,609	1,453	(10%)	246	227	(8%)
Glastonbury	3,637	3,585	(1%)	2,123	2,032	(4%)	327	319	(3%)
Goshen	323	312	(3%)	206	202	(2%)	39	32	(17%)
Granby	1,457	1,350	(7%)	800	837	5%	132	137	4%
Haddam	683	697	2%	419	387	(8%)	58	56	(4%)
Hartford	5,600	5,869	5%	3,359	3,456	3%	468	475	1%
Harwinton	504	520	3%	306	293	(4%)	40	41	2%
Killingworth	472	483	2%	292	292	(0%)	46	47	3%
Litchfield	814	874	7%	521	513	(1%)	81	82	1%
Marlborough	654	601	(8%)	356	344	(3%)	52	54	4%
Middlebury	840	884	5%	514	560	9%	79	93	18%
Norfolk	169	172	2%	103	104	0%	13	12	(7%)
North Canaan	235	247	5%	147	148	0%	20	21	5%
Old Lyme	0	0	-	0	0	-	0	0	-
Old Saybrook	1,082	1,095	1%	662	661	(0%)	85	89	5%
Oxford (1)	668	749	12%	415	0	(100%)	64	0	(100%)
Portland	573	625	9%	344	329	(4%)	47	41	(13%)
Rocky Hill	1,692	1,611	(5%)	966	973	1%	144	159	10%
Roxbury	182	181	(0%)	105	125	18%	10	19	91%
RRDD#1	1,815	1,786	(2%)	1,045	1,026	(2%)	148	154	4%
Salisbury-Sharon	1,053	1,092	4%	656	649	(1%)	92	90	(2%)
Simsbury (3)	0	0	-	0	1,779	-	0	265	-
Thomaston (2)	0	0	-	0	386	-	0	62	-
Torrington	2,956	2,836	(4%)	1,678	1,611	(4%)	245	237	(3%)
Watertown	1,706	1,996	17%	1,138	1,343	18%	187	217	16%
Westbrook (4)	0	0	-	0	145	-	0	45	-
Wethersfield	2,775	2,709	(2%)	1,606	1,586	(1%)	230	243	6%
Woodbury	840	903	7%	548	544	(1%)	83	87	5%
TOTAL TIER 1 MUNICIPALITIES	44,722	45,419	2%	26,647	28,359	6%	3,941	4,214	7%

(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

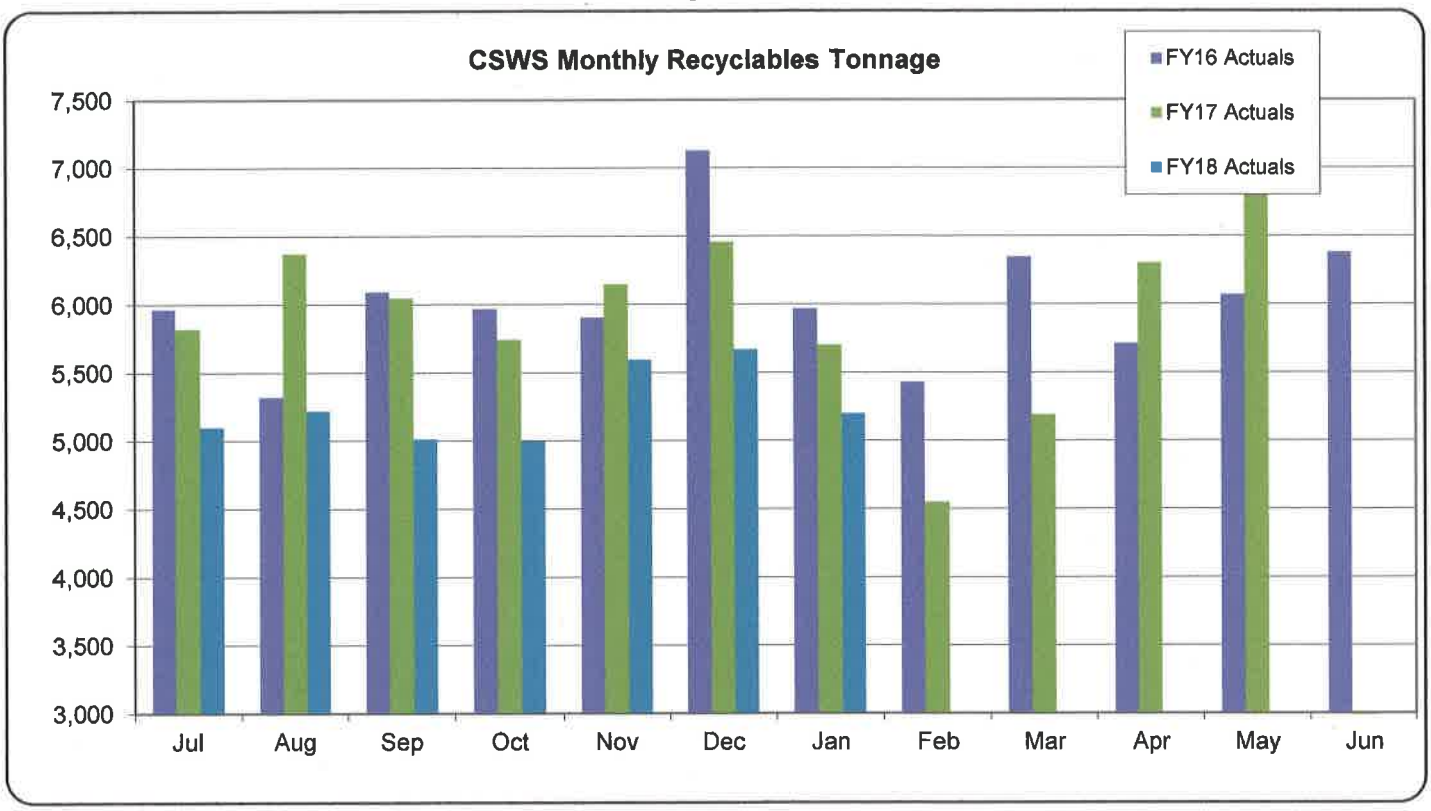
CSWS Tier 3 Participating Municipality Recycling									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
Chester	0	0	-	0	0	-	0	0	-
Thomaston (2)	623	638	2%	376	0	(100%)	58	0	(100%)
TOTAL TIER 3 MUNICIPALITIES	623	638	2%	376	0	(100%)	58	0	(100%)

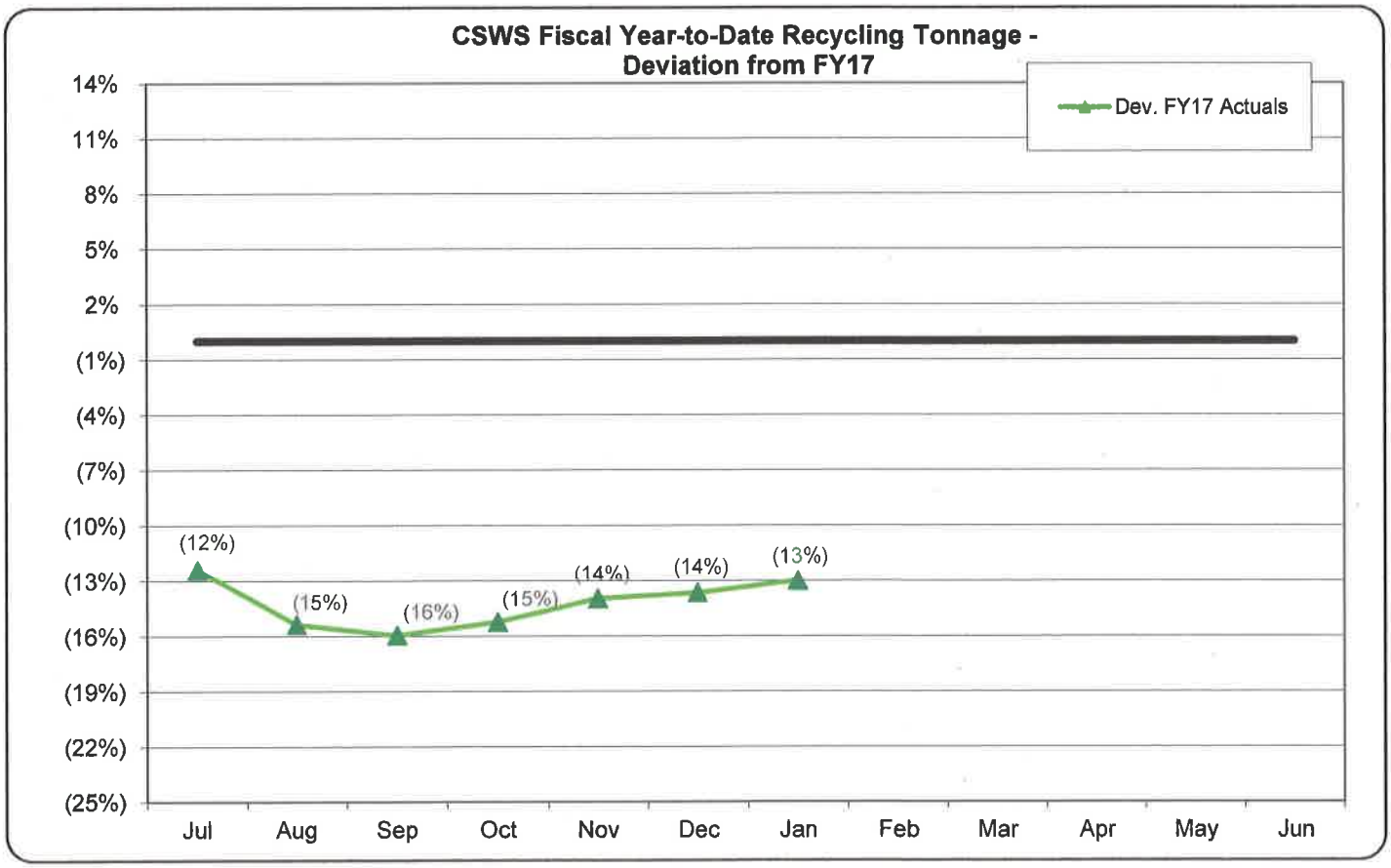
(2) Thomaston switched from Tier 3 to Tier 1L 7/1/2017

CSWS Tier 4 Participating Municipality Recycling									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2016	2017	Growth	2017	2018	Growth	Jan 17	Jan 18	Growth
East Hartford (1)	2,333	3,413	46%	2,002	2,028	1%	293	297	1%
TOTAL TIER 4 MUNICIPALITIES	2,333	3,413	46%	2,002	2,028	1%	293	297	1%

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

CSWS Recyclables Trends





TAB D

FISCAL YEAR 2018 LEGAL REQUEST FOR SERVICES

FOR PERIOD ENDING 1/31/18

LEGAL FIRM	Matter	Board Approval	PO Number	PO Amount	FY18 expenses paid from FY18 PO	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
Brown Rudnick	Compliance Matters			$ -					
Total Brown Rudnick				$ -	$ -	$ -	$ -	$ -	$ -
Cohn Birnbaum & Shea	South Meadows Exit Strategy		11735	$ 25,000	$ 23,356	$ 7,282	$ 118		$ 30,756
Total Cohn Birnbaum & Shea		$45,000.00		$ 25,000	$ 23,356	$ 7,282	$ 118	$ -	$ 30,756
Day Pitney	NPDES Permitting Support			$ -					$ -
Total Day Pitney		$25,000.00		$ -	$ -	$ -	$ -	$ -	$ -
Halloran & Sage	GC - Authority Budget		11742	$ 25,000	$ 6,555	$ -	$ 1,843	$ (920)	$ 7,478
	Property Division		11741	$ 20,000	$ 1,169	$ -	$ 9,062	$ (2,700)	$ 7,530
	MDC Arbitration		11739	$ 100,000	$ 61,539	$ -		$ (30,102)	$ 31,437
	CSWS		11743	$ 20,000				$ (1,500)	$ (1,500)
	Resource rediscovery - CSWS			$ -	$ 7,752	$ 6,500		$ (4,840)	$ 9,412
	FOIA Complaint		11744	$ 25,000	$ 3,192	$ 6,424		$ -	$ 9,616
	Landfill Division		11740	$ 35,000	$ 3,193	$ 600	$ 275	$ (57,596)	$ (53,529)
Total Halloran & Sage		$450,000.00		$ 225,000	$ 83,399	$ 13,524	$ 11,179	$ (97,658)	$ 10,444
Kainen, Escalera & McHale	Employment		11738	$ 20,000	$ 7,549				$ 7,549
	MDC Arbitration		11737	$ 75,000	$ 21,407			$ (31,788)	$ (10,382)
Total Kainen, Escalera & McHale		$150,000.00		$ 95,000	$ 28,956	$ -	$ -	$ (31,788)	$ (2,832)
Pullman & Comley	Bond Counsel - General Counsel								
	Bond Counsel - Southeast								
Total Pullman & Comley				$ -	$ -	$ -	$ -	$ -	$ -
American Arbitration									$ -
Total American Arbitration				$ -	$ -	$ -	$ -	$ -	$ -
Melick & Porter	Tremont		11813	$ -	$ 2,441	$ -	$ 5,221	$ -	$ 7,662
Total Melick & Porter					$ 2,441	$ -	$ 5,221	$ -	$ 7,662
TOTALS:		$670,000.00		$ 345,000	$ 138,152	$ 20,805	$ 16,518	$ (129,446)	$ 46,029
									Agrees with Gen.ledger