



MEMORANDUM

TO: MIRA Board of Directors
FROM: Donald S. Stein, Chairman
DATE: December 2, 2021
RE: Notice of Regular Telephonic Meeting

There will be a *regular telephonic* meeting of the Board of Directors of the Materials Innovation and Recycling Authority (MIRA) on *Wednesday, December 8, 2021 at 9:30 a.m.*

Members of the public may attend the meeting in person in the board room at MIRA headquarters (masks required), or may attend the meeting telephonically by calling (929) 205-6099, entering Meeting ID: 839 6850 4768, and entering Passcode: 171852# when prompted.

The purpose of this meeting will be:

- I. Pledge of Allegiance
- II. Public Comment – A ½ hour public portion will be held and the Board will accept written testimony and allow individuals to speak for a limit of three minutes.
- III. Review and Approve – Minutes of the November 10, 2021 Regular Board Meeting (*Attachment 1*).
- IV. Review and Approve – Minutes of the November 29, 2021 Special Board Meeting (*Attachment 2*)
- V. Finance Committee Report
- VI. Policies and Procurement Committee – No Report
- VII. OS & HR Committee – No Report
- VIII. Chairman's and President's Report
 - a. Attached Supplemental Information / Other Matters
- IX. Board Action will be sought for a Resolution Regarding Ratification of an Emergency Procurement for repairs to the Torrington Transfer Station Tip Floor (*Attachment 3*).
- X. Executive Session to discuss:

- a. Pending RFPs and Feasibility Estimates and Evaluations relative to prospective public supply contracts, including MIRA RFP's and prospective contracts for Connecticut Solid Waste System transfer facilities, transportation and disposal of acceptable solid waste at alternate disposal facilities and operation of MIRA's Jets and the potential impact of same upon MIRA operating and capital budgets and its Municipal Service Agreements.

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND THIRTY-SEVEN

NOVEMBER 10, 2021

A Regular Telephonic (Zoom) Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Wednesday, November 10, 2021. Present via audio or video conferencing were:

Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Susan Weisselberg
Bert Hunter
Suzette DeBeatham-Brown
Tom Swarr

Present from MIRA:

Tom Kirk, President
Mark Daley, Chief Financial Officer
Laurie Hunt, Director of Legal Services
Peter Egan, Director of Operations and Environmental Affairs
Thomas Gaffey, Director of Recycling & Enforcement
Cheryl Kaminsky, Manager of Accounting and Financial Reporting
Dave Bodendorf, Senior Environmental Engineer
Chris Shepard, Environmental Compliance Manager

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:39 a.m. and said that a quorum was present.

PUBLIC PORTION

Chairman Stein said the agenda allowed for a public portion in which the Board would accept written testimony and allow individuals to speak for a limit of three minutes. As there were no members of the public who wished to address the Board, the meeting commenced.

1. Approval of the Minutes of the October 13, 2021 Board Meeting.

Chairman Stein requested a motion to accept the minutes of the October 13, 2021 Board meeting. The motion to approve the minutes was made by Director Fortuna and seconded by Director Hunter.

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Director Hayden, Director Fortuna, Director Weisselberg, Director Hunter, Director Brown, and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Jim Hayden	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		

2. Informational.

President Kirk reported on the operational and financial status of the CSWS for the period ending September 30, 2021, including an increase to wholesale power prices. President Kirk discussed with the Board members MIRA's receipt of a letter from the City of Hartford's Solid Waste Task Force requesting that MIRA provide the City with meaningful public participation,

as that term is defined in Connecticut General Statutes Section 22a-20a, in pursuit of its application for modification to its solid waste permit.

3. Resolution Regarding an increase of greater than \$50,000 to the existing Agreement for Waste Transportation and Transfer Station Operation and Maintenance Services at the Torrington Transfer Station.

Chairman Stein requested a motion on the above-referenced item. The motion was made by Director Hunter and seconded by Director Weisselberg.

RESOLVED: That the Board of Directors authorizes the expenditure of additional funds for repair of the Torrington Transfer Station tip floor, substantially as presented and discussed at this meeting.

Mr. Bodendorf explained the urgent need for the proposed work on the tip floor. At the request of Director Hunter, an addition was made to the third paragraph of the Board Memo (Attachment 2 in the Board Package), so that the paragraph in its entirety would read:

At this time, the floor thickness has diminished to expose structural steel rebar which has been damaged by the heavy MSW delivery trucks and the heavy equipment used to process MSW on the tip floor. This damage has resulted in a floor that is inadequately thick, has deep ruts that cause extra wear on the processing equipment and delivery trucks, which vehicles and equipment in turn further damage the floor. MIRA staff have determined it is prudent and vital to the safe operation of the Torrington Transfer Station and structural integrity of the tip floor to replace the tip floor as soon as possible.

The motion previously made and seconded failed for lack of the number of votes required for approval. Chairman Stein, Director Hayden, Director Fortuna, Director Weisselberg, Director Hunter, Director Brown, and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Jim Hayden	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Ad Hoc Members	Aye	Nay	Abstain

Tom Swarr	X		

Mr. Egan said that MIRA would proceed with the work as an emergency procurement, and come back to the Board for ratification of the emergency, in accordance with our Procurement Policy, at a subsequent meeting.

4. Executive Session.

Chairman Stein requested a motion to go into Executive Session to discuss Pending RFPs and Feasibility Estimates and Evaluations relative to prospective public supply contracts, including MIRA RFP's and prospective contracts for Connecticut Solid Waste System transfer facilities, transportation and disposal of acceptable solid waste at alternate disposal facilities and operation of MIRA's Jets and the potential impact of same upon MIRA operating and capital budgets and its Municipal Service Agreements.

Chairman Stein asked Mr. Kirk, Mr. Daley, Mr. Egan, Ms. Hunt, Mr. Gaffey, and Attorney Catino to participate in the discussion. Mr. Kirk added that additional staff members involved in evaluation of the RFP submittals were available, and could be called to join the session if their input was required. The motion was made by Director Brown, seconded by Director Weisselberg, and approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Weisselberg, Director Hunter, Director Brown, and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Ad Hoc Members	Aye	Nay	Abstain

Tom Swarr	X		

Executive Session began at 10:15 and ended at 11:24. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and adjourned the meeting.



MEMORANDUM

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FROM: Donald S. Stein, Chairman
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- IV. Finance Committee Report
- V. Policies and Procurement Committee Report
- VI. OS & HR Committee Report
- VII. Chairman's and President's Report
 - a. Attached Supplemental Information / Other Matters
- VIII. Board Action will be sought for a Resolution Regarding Ratification of an Emergency Procurement for repairs to the Torrington Transfer Station Tip Floor (*Attachment 2*).
- IX. Board Action will be sought for approval of use of the Jets Major Maintenance Reserve for funding acquisition of a spare jet engine (*Attachment 3*).
- X. Executive Session to discuss:

- a. Pending RFPs and Feasibility Estimates and Evaluations relative to prospective public supply contracts, including MIRA RFP's and prospective contracts for Connecticut Solid Waste System transfer facilities, transportation and disposal of acceptable solid waste at alternate disposal facilities and operation of MIRA's Jets and the potential impact of same upon MIRA operating and capital budgets and its Municipal Service Agreements.

TAB 2

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND THIRTY-EIGHT

November 29, 2021

A Special Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Monday, November 29, 2021. Present via video or audio conferencing were:

Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Edward Bailey
Susan Weisselberg
Bert Hunter
Suzette DeBeatham-Brown
Leonard Assard
Tom Swarr

Present from MIRA:

Tom Kirk, President
Mark Daley, Chief Financial Officer
Laurie Hunt, Director of Legal Services
Peter Egan, Director of Operations and Environmental Affairs
Thomas Gaffey, Director of Recycling & Enforcement
Dave Bodendorf, Senior Environmental Engineer
Roger Guzowski, Contract and Procurement Manager

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:32 p.m. and said that a quorum was present.

PUBLIC PORTION

Chairman Stein said the agenda allowed for a public portion in which the Board would accept written testimony and allow individuals to speak for a limit of three minutes. As there were no members of the public who wished to address the Board, the meeting commenced.

DISCUSSION REGARDING POTENTIAL SALE OF POWER

President Kirk discussed with the board MIRA's option for sale of a portion of MIRA's electric production from the Waste-to-Energy Facility for a firm price for the period of January 2022 through June 2022, versus the alternative of continuing to sell all of the electric output into the day-ahead market.

Mr. Kirk discussed two options:

- 1) Sell up to a 13 Megawatt (MW) strip of electricity at a firm price and on a unit contingent basis, and continue selling any additional generated electricity into the day-ahead market. This 13 MW strip would represent the first 13 MW that would be generated each hour.
- 2) Continue selling all energy produced into the day-ahead market, as MIRA currently does.

Selling power on a unit contingent basis for a firm price means that MIRA would not commit to production of a certain amount of power each hour, but instead would offer only the power that was actually produced each hour. This is called a 'contingent sale' and is used by electric generators who may be uncomfortable with guaranteeing production reliability.

The idea of selling 13 megawatts reflects MIRA's confidence that at least one boiler will be operational a vast majority of the time, which would theoretically result in reduced risk for the purchaser and a minimization of the "unit contingent discount" that the purchaser would apply to the purchase price. (One boiler typically produces a quantity of steam adequate to generate 13 MW of net electric power.)

The Board discussed a third option, which would consist of selling a smaller increment of power than 13 MW, for example 5 MW.

EXECUTIVE SESSION

Chairman Stein requested a motion to go into Executive Session to discuss Pending RFPs and Feasibility Estimates and Evaluations relative to prospective public supply contracts, including MIRA RFP's and prospective contracts for Connecticut Solid Waste System transfer

facilities, transportation and disposal of acceptable solid waste at alternate disposal facilities and operation of MIRA's Jets and the potential impact of same upon MIRA operating and capital budgets and its Municipal Service Agreements.

Chairman Stein asked Mr. Kirk, Mr. Daley, Mr. Egan, Ms. Hunt, Mr. Gaffey, Mr. Guzowski, and Attorney Catino to participate in the discussion. The motion was made by Director Hunter, seconded by Director Fortuna, and approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Bailey, Director Weisselberg, Director Hunter, Director Brown, Director Assard, and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Edward Bailey	X		
Susan Weisselberg	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		

Executive Session began at 9:57 and ended at 10:32. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and adjourned the meeting.

TAB 3

RESOLUTION REGARDING RATIFICATION OF EMERGENCY PROCUREMENT

RESOLVED: That the MIRA Board of Directors ratifies the Emergency Procurement as substantially presented and discussed at this meeting.

Emergency Procurement Contracts

December 8, 2021

The following written evidence is being provided to the Board for ratification pursuant to Sections 2.2.12 and 5.10 of the MIRA Procurement Policy.

2.2.12 “Emergency Situation”

“Emergency Situation” shall mean a situation whereby purchases are needed to remedy a situation that creates a threat to public health, welfare, safety or critical governmental or MIRA service or function. The existence of such a situation creates an immediate and serious need that cannot be met through the normal procurement methods and the lack of which would seriously threaten: (i) the health or safety of any person; (ii) the preservation or protection of property; (iii) the imminent and serious threat to the environment; or (iv) the functioning of MIRA. Any such situation shall be documented with written evidence of said situation.

5.10 Emergency Procurements

In the event of an Emergency Situation as defined herein, the procedures for pre-approval of Contracts in these Policies and Procedures by the Board do not apply. When the President, Chairman, or designee determines that an Emergency Situation has occurred, the President, Chairman, or their designee is authorized to enter into a Contract under either a competitive or sole source basis, in such amount and of such duration as the President, Chairman, or their designee determines shall be necessary to eliminate the Emergency Situation. Such Emergency Situation contract(s), with written evidence of said Emergency Situation, shall be presented to the Board for ratification as soon as practicable following the execution of the Contract. The Board shall ratify such emergency Contract unless it is determined that under no circumstances would a reasonable person believe that an Emergency Situation existed.

Emergency Procurement Summary

<u>Date</u>	<u>Description</u>	<u>Cost</u>	<u>Vendor</u>
11/15/2021	FY22 -Emergency repairs to Torrington TS Tip Floor.	\$97,000	DJ Petrucci, LLC

Memorandum

To: Thomas D. Kirk, MIRA President
From: David Bodendorf, Sr. Env. Eng./Manager Construction & Power Products
Date: 11/15/2021
Re: Repair of Torrington Tip Floor

This is to request authorization for an emergency procurement in order to immediately proceed with work to repair the tip floor at the MIRA Torrington Transfer Station in Torrington, CT by directing its Operator, USA Waste and Recycling, Inc. ("USA") to engage DJ Petrucci, LLC to proceed with the work in accordance with the Agreement For Waste Transportation And Transfer Station Operation And Maintenance Services between MIRA and USA.

The Torrington Transfer Station tip floor is currently in a state of disrepair which is adversely affecting the operation of the facility. Article 9 of the Agreement provides for MIRA to direct its Operator, USA Waste and Recycling, Inc. ("USA") to provide changes, modifications, or additions to the Transfer Station.

The floor thickness has diminished to expose structural steel rebar which has been damaged by the heavy MSW delivery trucks and the heavy equipment used to process MSW on the tip floor. This damage has resulted in a floor that is inadequately thick, has deep ruts that cause extra wear on the processing equipment and delivery trucks, which vehicles and equipment in turn further damage the floor. MIRA staff has determined it is prudent and vital to the safe operation of the Torrington Transfer Station and structural integrity of the tip floor to replace the tip floor as soon as possible.

MIRA staff provided USA a scope and specifications for the repair work to solicit pricing from five contractors. USA and MIRA identified the low priced proposer, DJ Petrucci, LLC, as qualified to perform the work.

MIRA's Board of Directors reviewed management's recommendation at its November 10, 2021 meeting, and, during discussion of this matter, those present at the meeting agreed unanimously that MIRA should proceed with the work as soon as possible. The Board of Directors was unable to formally approve the resolution at this meeting due to the absence of enough members (eight votes required, only seven non-ad-hoc members currently on Board). You advised the Board that you


November 15, 2021

intended to proceed with the work as an Emergency Procurement pursuant to the Emergency Procurement provision in MIRA's Procurement Policies and Procedures, and direct USA to proceed with the work and pass the cost through to MIRA. The Board concurred with this plan.

This procurement will be brought to the Board of Directors to be ratified at a later Board meeting in accordance with Section 3.1.2.1 of MIRA's Procurement Policies & Procedures, which governs "Emergency Situations."

Please indicate your approval of this approximate \$97,000 expenditure by signing below.

Thank you,

A handwritten signature in black ink, appearing to read "TD Kirk", written over a horizontal line.

Thomas D. Kirk
President, Duly Authorized



Materials Innovation and Recycling Authority
Regular Board of Directors Meeting
Supplemental Information
December 8, 2021

I. Finance

1. Informational Reports for the period ending October 31, 2021 (*Attachment A*).

CSWS Financials	Property Division Financials
CSWS Electricity	MIRA Cash Flow
CSWS Solid Waste Summary	Improvement and Major Maintenance Funds
CSWS Recycling Summaries	Authority Budget
CSWS Metal Recovery Operations	

II. Summary of Project Activities

1. An update is provided on each project's monthly operations for the period ending October 31, 2021 (*Attachment B*).
2. An update is provided on waste deliveries to the CSWS project for the period ending October 31, 2021 (*Attachment C*).

III. Communications

1. Legal Expenditure Report for the period ending October 31, 2021 (*Attachment D*).

TAB A



BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING

October 31, 2021

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, operating revenues for October totaled \$6.84 million (31.1% above budget). The deficit in Member Town waste deliveries was more than offset by Non Participating Town deliveries while electricity sales revenue remained strong and \$0.8 million in 2nd quarter Class II Renewable Energy Credit sales were recognized. Year to date operating revenues are 9.6% above budget. Total accrued expenditures for October were \$5.30 million (19.6% below budget) due to NAES contract operating charges. Accrued expenses include operation of the Recycling Facility as a recycling transfer operation, as well as transportation and disposal of pre-combustion ferrous metals, both of which also came in under budget. Year to date accrued expenditures are 10.9% under budget. Year to date the CSWS has generated operating income of \$3.58 million which is \$4.45 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. All energy is presently sold in the wholesale energy market.

As indicated in this report, the CSWS total average energy price was \$0.0571 per kwh in October which is \$0.0221 per kwh (63.2%) above budget. Year to date energy price is 34.5% above budget. The CSWS generated 24.36 million Kwh of energy in October which was 2.27 million Kwh (10.3%) above budget. The plant ran at full capacity for 0 out of 31 days. Overall boiler availability was 66.6%. Boiler 11 was off line for 217.00 hours (70.8% availability) for auger, regulator and grate repairs and due to low fuel inventory. Boiler 12 was off line for 347.77 hours (53.3% availability) initially to complete its cleaning outage and subsequently for a tube leak and due to low fuel inventory. Boiler 13 was off line for 180.26 hours (75.8% availability) for a cleaning outage, auger gear repairs and low fuel inventory. Turbine 5 was off line during one day due to low fuel inventory. Turbine 6 was off line during two days for scheduled PRC testing. On a year to date basis, in comparison to this period of fiscal year 2021, energy price is up 99.6%, production is down 3.2% and revenue is up 93.2%.

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.

October deliveries totaled 44,139 tons which is 2,992 tons (7.3%) above budget. Member town deliveries were 6,219 tons (16.7%) under budget while non-participating deliveries were 9,211 tons (235.5%) above budget. Prices for waste hauler tons averaged \$93.00 per ton in October reflecting the FY 2022 adopted tip fees and exclusive selection of the Authority's hybrid hauler contract transferring additional plant shutdown risk to the hauler. There were 6,690 tons of other contract waste delivered in October at the rate of \$80 per ton pursuant to contracts recently awarded by the Authority. There was also 1,493 tons of spot waste delivered in October at an average rate of \$81.75 per ton. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 0.4% above budget on a year to date basis.



BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING October 31, 2021

CSWS Recycling Summary - This report reflects current month and year to date accrued revenue and expense associated with CSWS recycling operations stated in terms relevant to the Authority's waste hauler agreements, transfer station and Recycling Facility operating contracts.

As indicated in the summary report, 97.14 tons of non-participating recycling were delivered and assessed a tip fee of \$117 per ton for total revenue of \$11,365. There were no such deliveries budgeted. Operating expenses totaled \$220,322 which is 64% under budget for the month of October primarily due to a favorable Average Commodity Rate (ACR) adjustment under the Recycling Facility operating contract. Operating expenses include transportation from the CSWS transfer stations which are detailed on the Recycling Transportation Report, Recycling Facility contract operating charges which are detailed on the Recycling Contract Operating Report, Authority direct O&M expenses and Recycling Facility residue charges. Operating expenses are 61% under budget year to date.

CSWS Metals Sales - This report reflects budget versus actual sales of post combustion ferrous metals and maintenance metals stated in terms relevant to the Authority's metals transportation and processing contract.

In October, the Authority sold 93.27 gross tons of post combustion ferrous and 15.07 gross tons of maintenance metals for total revenue of \$12,726 which was 122.9% above budget due to strong pricing and higher than budget volume of ferrous sales. Metal sales are 172.7% above budget year to date. Note that the Authority no longer directly sells pre-combustion ferrous metals. This material continues to be extracted from the waste stream and transported for further processing and remarketing but not in the form of a revenue sharing agreement. This waste transportation expense is included on the CSWS Monthly Financial Report (within Waste Transportation).

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.

As indicated, revenue to the Property Division was 8.4% above budget in October due to surplus (reconfiguration auction) capacity payments. Operating expenses were 41.1% below budget due to savings in all line items. Total operating income is 13.5% 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 for October were sufficient to distribute \$579,548 to the Tip Fee Stabilization Fund. Year to date distributions to the Tip Fee Stabilization Fund in support of FY 2022 budgets for July through December are \$3,916,713. CSWS cash receipts were not sufficient to execute budgeted distributions to the CSWS Operating STIF, Improvement and Major Maintenance funds causing a \$579,559 draw from the Tip Fee Stabilization Fund. After the distribution of October receipts, \$64,667,517 remained contingently due to the Tip Fee Stabilization Fund from CSWS.

CSWS Improvement & Major Maintenance Funds - These reports reflect budget versus actual funds advanced primarily 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. In October, the Authority advanced a net amount of \$285,238 from the Major Maintenance Fund to NAES primarily for the Boiler 11 major outage.

Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report

[Narrative](#)

CSWS Monthly Financial Report

Period Ending: **October 31, 2021**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
REVENUES								
Member Towns	\$ 3,912,649	\$ 3,259,367	\$ (653,282)	-16.7%	\$ 15,248,054	\$ 13,958,023	\$ (1,290,031)	-8.5%
Other Contracts	\$ 116,622	\$ 535,187	\$ 418,565	358.9%	\$ 466,488	\$ 684,834	\$ 218,346	46.8%
Hauler - Direct	\$ 167,100	\$ 299,738	\$ 132,638	79.4%	\$ 639,212	\$ 1,214,456	\$ 575,245	90.0%
Hauler - TS	\$ 80,024	\$ 159,622	\$ 79,598	99.5%	\$ 311,864	\$ 622,642	\$ 310,777	99.7%
Spot Waste	\$ -	\$ 122,072	\$ 122,072	n/a	\$ -	\$ 244,805	\$ 244,805	n/a
Bypass, Delivery & Other Charges	\$ -	\$ -	\$ -	n/a	\$ -	\$ 6,165	\$ 6,165	n/a
Member Service Fee	\$ 2,353	\$ 2,118	\$ (235)	-10.0%	\$ 9,170	\$ 9,251	\$ 81	0.9%
Metal Sales & Excess Residue	\$ 5,708	\$ 12,726	\$ 7,018	122.9%	\$ 22,833	\$ 62,274	\$ 39,441	172.7%
Bulky Waste	\$ 20,550	\$ 60,090	\$ 39,540	192.4%	\$ 82,200	\$ 125,552	\$ 43,352	52.7%
Recycling Facility	\$ -	\$ 11,365	\$ 11,365	n/a	\$ -	\$ 36,079	\$ 36,079	n/a
Electricity Sales	\$ 773,238	\$ 1,391,233	\$ 617,995	79.9%	\$ 3,020,288	\$ 3,928,959	\$ 908,671	30.1%
Other Energy Markets	\$ 141,250	\$ 990,592	\$ 849,341	601.3%	\$ 1,349,819	\$ 2,248,733	\$ 898,914	66.6%
Misc. (Interest, Fees, Other)	\$ 1,667	\$ 500	\$ (1,167)	-70.0%	\$ 7,268	\$ 52,253	\$ 44,985	619.0%
TOTAL ACCRUED REVENUES	\$ 5,221,163	\$ 6,844,611	\$ 1,623,448	31.1%	\$ 21,157,197	\$ 23,194,027	\$ 2,036,830	9.6%
EXPENDITURES								
Administrative Expenses	\$ 262,361	\$ 213,486	\$ 48,875	18.6%	\$ 830,051	\$ 813,941	\$ 16,110	1.9%
Operational & Contingent . Exp.	\$ 276,294	\$ 114,328	\$ 161,966	58.6%	\$ 938,230	\$ 768,684	\$ 169,546	18.1%
PILOTs & Fees	\$ 195,965	\$ 200,426	\$ (4,461)	-2.3%	\$ 800,151	\$ 798,244	\$ 1,907	0.2%
Waste Transport	\$ 1,061,315	\$ 1,090,891	\$ (29,576)	-2.8%	\$ 4,185,488	\$ 4,204,754	\$ (19,266)	-0.5%
Recycling Facility	\$ 610,888	\$ 220,322	\$ 390,566	63.9%	\$ 2,416,171	\$ 938,378	\$ 1,477,794	61.2%
Murphy Road Operations	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Facilities Operating Exp.	\$ 86,716	\$ 57,698	\$ 29,018	33.5%	\$ 382,039	\$ 502,723	\$ (120,684)	-31.6%
NAES Contract Operating Charges	\$ 2,827,454	\$ 3,037,958	\$ (210,504)	-7.4%	\$ 10,066,369	\$ 10,095,809	\$ (29,440)	-0.3%
NAES Contract Major Maint.	\$ 900,000	\$ -	\$ 900,000	n/a	\$ 900,000	\$ -	\$ 900,000	n/a
NAES On-Site Incentive Comp.	\$ 86,326	\$ 86,326	\$ -	0.0%	\$ 345,304	\$ 298,708	\$ 46,596	13.5%
NAES Management Fees	\$ 104,818	\$ 92,107	\$ 12,711	12.1%	\$ 419,272	\$ 443,564	\$ (24,292)	-5.8%
Transfer Station - Ellington	\$ 1,141	\$ 1,084	\$ 57	5.0%	\$ 7,064	\$ 6,380	\$ 684	9.7%
Transfer Station - Essex	\$ 65,727	\$ 67,420	\$ (1,693)	-2.6%	\$ 264,458	\$ 265,427	\$ (969)	-0.4%
Transfer Station - Torrington	\$ 50,138	\$ 51,936	\$ (1,798)	-3.6%	\$ 202,102	\$ 201,551	\$ 551	0.3%
Transfer Station - Watertown	\$ 65,569	\$ 68,621	\$ (3,052)	-4.7%	\$ 263,826	\$ 271,403	\$ (7,577)	-2.9%
TOTAL ACCRUED EXPENDITURES	\$ 6,594,712	\$ 5,302,603	\$ 1,292,109	19.6%	\$ 22,020,525	\$ 19,609,566	\$ 2,410,960	10.9%
OPERATING INCOME								
(Before Reserves / Transfers)	\$ (1,373,549)	\$ 1,542,008	\$ 2,915,557	-212.3%	\$ (863,329)	\$ 3,584,462	\$ 4,447,790	-515.2%
DISTRIBUTION OF CSWS OPERATING INCOME								
CSWS Improvement Fund	\$ 100,000	\$ 100,000	\$ -	0.0%	\$ 100,000	\$ 100,000	\$ -	0.0%
CSWS Major Maint. Fund	\$ 800,000	\$ 800,000	\$ -	0.0%	\$ 3,500,000	\$ 3,500,000	\$ -	0.0%
CSWS Risk Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
CSWS Legal Reserve	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Severance Reserve	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
TOTAL DISTRIBUTIONS	\$ 900,000	\$ 900,000	\$ -	0.0%	\$ 3,600,000	\$ 3,600,000	\$ -	0.0%
SURPLUS / (DEFICIT)	\$ (2,273,549)	\$ 642,008	\$ 2,915,557	-128.2%	\$ (4,463,329)	\$ (15,538)	\$ 4,447,790	-99.7%

Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report

[Narrative](#)

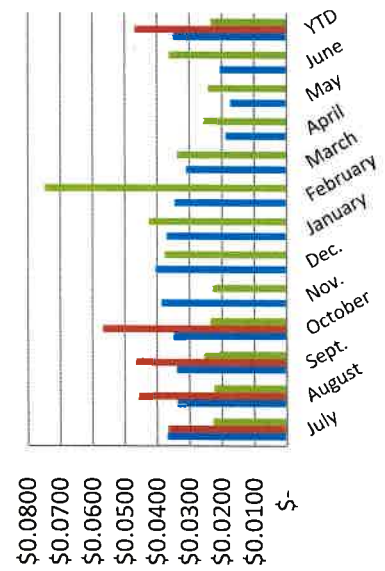
CSWS Electricity Production

Period Ending:

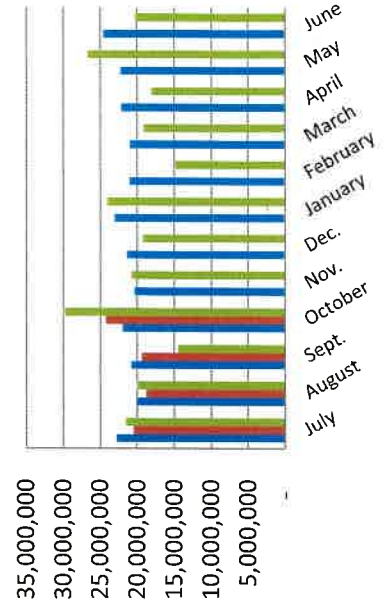
October 31, 2021

	Price			Production			Generation Revenue		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
FY 2022									
July	\$ 0.0370	\$ 0.0368	\$ (0.0002)	22,916,522	20,592,010	(2,324,512)	\$ 848,167	\$ 757,604	\$ (90,563)
August	\$ 0.0339	\$ 0.0460	\$ 0.0121	20,239,205	18,895,700	(1,343,505)	\$ 685,759	\$ 868,490	\$ 182,730
Sept.	\$ 0.0341	\$ 0.0467	\$ 0.0126	20,913,621	19,514,660	(1,398,961)	\$ 713,124	\$ 911,632	\$ 198,509
October	\$ 0.0350	\$ 0.0571	\$ 0.0221	22,098,687	24,364,910	2,266,223	\$ 773,238	\$ 1,391,233	\$ 617,995
Nov.	\$ 0.0389	\$ -	n/a	20,477,905		n/a	\$ 796,000		n/a
Dec.	\$ 0.0407	\$ -	n/a	21,522,531		n/a	\$ 876,170		n/a
January	\$ 0.0372	\$ -	n/a	23,196,412		n/a	\$ 863,844		n/a
February	\$ 0.0348	\$ -	n/a	21,127,012		n/a	\$ 735,201		n/a
March	\$ 0.0315	\$ -	n/a	21,118,545		n/a	\$ 664,338		n/a
April	\$ 0.0190	\$ -	n/a	22,276,288		n/a	\$ 423,302		n/a
May	\$ 0.0175	\$ -	n/a	22,408,293		n/a	\$ 392,576		n/a
June	\$ 0.0208	\$ -	n/a	24,704,979		n/a	\$ 512,781		n/a
YTD	\$ 0.0351	\$ 0.0471	\$ 0.0121	86,168,035	83,367,280	(2,800,755)	3,020,288	3,928,959	\$ 908,671
YTD % Var.			34.5%			-3.3%			30.1%

Price / KWh



Production (KWh)



Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report

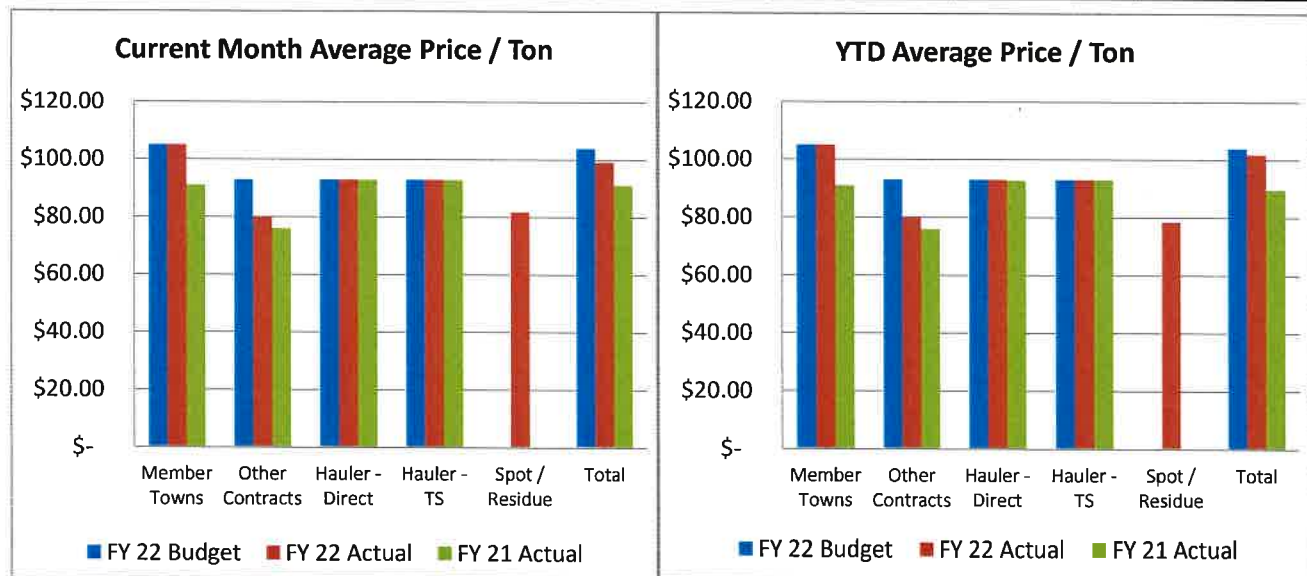
[Narrative](#)

CSWS Solid Waste Summary

Period Ending:

October 31, 2021

	Current Month			Year To Date		
FY 22 Budget	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	37,236	\$ 3,912,649	\$ 105.08	145,112	\$ 15,248,054	\$ 105.08
Other Contracts	1,254	\$ 116,622	\$ 93.00	5,016	\$ 466,488	\$ 93.00
Hauler - Direct	1,797	\$ 167,100	\$ 93.00	6,873	\$ 639,212	\$ 93.00
Hauler - TS	860	\$ 80,024	\$ 93.00	3,353	\$ 311,864	\$ 93.00
Spot / Residue	-	\$ -	\$ -	-	\$ -	\$ -
Total	41,147	\$ 4,276,396	\$ 103.93	160,355	\$ 16,665,618	\$ 103.93
FY 22 Actual	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	31,017	\$ 3,259,367	\$ 105.08	132,826	\$ 13,958,023	\$ 105.08
Other Contracts	6,690	\$ 535,187	\$ 80.00	8,560	\$ 684,834	\$ 80.00
Hauler - Direct	3,223	\$ 299,738	\$ 93.00	13,059	\$ 1,214,456	\$ 93.00
Hauler - TS	1,716	\$ 159,622	\$ 93.00	6,690	\$ 622,642	\$ 93.06
Spot / Residue	1,493	\$ 122,072	\$ 81.75	3,120	\$ 244,805	\$ 78.46
Total	44,139	\$ 4,375,986	\$ 99.14	164,256	\$ 16,724,761	\$ 101.82
Variance	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	(6,219)	\$ (653,282)	\$ 0.01	(12,286)	\$ (1,290,031)	\$ 0.01
Other Contracts	5,436	\$ 418,565	\$ (13.00)	3,544	\$ 218,346	\$ (13.00)
Hauler - Direct	1,426	\$ 132,638	\$ -	6,185	\$ 575,245	\$ -
Hauler - TS	856	\$ 79,598	\$ -	3,337	\$ 310,777	\$ 0.06
Spot / Residue	1,493	\$ 122,072	\$ 81.75	3,120	\$ 244,805	\$ 78.46
Total	2,992	\$ 99,591	\$ (4.79)	3,901	\$ 59,142	\$ (2.11)
Total % Var.	7.3%	2.3%	-4.6%	2.4%	0.4%	-2.0%



Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report
CSWS Recycling Summary

[Narrative](#)

Period Ending:

October 31, 2021

Budget FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 21,101	\$ -	\$ 634,116
August	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
September	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
October	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
November	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
December	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 16,851	\$ -	\$ 598,236
January	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
February	-	-	-	-	-	\$ 117	\$ -	\$ 44,366	\$ 429,477	\$ 16,851	\$ -	\$ 490,694
March	-	-	-	-	-	\$ 117	\$ -	\$ 49,663	\$ 474,787	\$ 16,851	\$ -	\$ 541,302
April	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
May	-	-	-	-	-	\$ 117	\$ -	\$ 59,596	\$ 559,745	\$ 16,851	\$ -	\$ 636,192
June	-	-	-	-	-	\$ 117	\$ -	\$ 59,596	\$ 559,745	\$ 16,839	\$ -	\$ 636,180
YTD	-	-	-	-	-	\$ 117	\$ -	\$ 224,478	\$ 2,120,039	\$ 71,654	\$ -	\$ 2,416,171

Actual FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	1.33	-	5.27	63.16	69.76	\$ 117	\$ 8,162	\$ 56,038	\$ 262,319	\$ 13,428	\$ 31,907	\$ 363,692
August	4.95	-	4.42	66.42	75.79	\$ 117	\$ 8,867	\$ 52,455	\$ 139,371	\$ 6,482	\$ 1,102	\$ 199,410
September	2.85	-	5.34	57.49	65.68	\$ 117	\$ 7,685	\$ 53,043	\$ 118,399	\$ 7,093	\$ (23,581)	\$ 154,955
October	1.42	-	5.80	89.92	97.14	\$ 117	\$ 11,365	\$ 48,982	\$ 157,200	\$ 9,977	\$ 4,163	\$ 220,322
November						\$ 117	\$ -	\$ -	\$ -			\$ -
December						\$ 117	\$ -	\$ -	\$ -			\$ -
January						\$ 117	\$ -	\$ -	\$ -			\$ -
February						\$ 117	\$ -	\$ -	\$ -			\$ -
March						\$ 117	\$ -	\$ -	\$ -			\$ -
April						\$ 117	\$ -	\$ -	\$ -			\$ -
May						\$ 117	\$ -	\$ -	\$ -			\$ -
June						\$ 117	\$ -	\$ -	\$ -			\$ -
YTD	10.55	-	20.83	276.99	308.37	\$ 117	\$ 36,079	\$ 210,518	\$ 677,288	\$ 36,980	\$ 13,591	\$ 938,378

Variance FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	1.33	-	5.27	63.16	69.76	\$ -	\$ 8,162	\$ (2,896)	\$ (291,762)	\$ (7,673)	\$ 31,907	\$ (270,424)
August	4.95	-	4.42	66.42	75.79	\$ -	\$ 8,867	\$ (3,168)	\$ (386,391)	\$ (10,369)	\$ 1,102	\$ (398,826)
September	2.85	-	5.34	57.49	65.68	\$ -	\$ 7,685	\$ 69	\$ (384,708)	\$ (9,758)	\$ (23,581)	\$ (417,977)
October	1.42	-	5.80	89.92	97.14	\$ -	\$ 11,365	\$ (7,965)	\$ (379,890)	\$ (6,874)	\$ 4,163	\$ (390,566)
November												
December												
January												
February												
March												
April												
May												
June												
YTD	10.55	-	20.83	276.99	308.37	\$ -	\$ 36,079	\$ (13,960)	\$ (1,442,751)	\$ (34,674)	\$ 13,591	\$ (1,477,794)

Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report
CSWS Recycling Transportation

[Narrative](#)

Period Ending:

October 31, 2021

Budget FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
August	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
September	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
October	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
November	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
December	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
January	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
February	536.00	\$ 22.78	\$ 12,210	542.70	\$ 37.49	\$ 20,346	495.80	\$ 23.82	\$ 11,810	\$ 44,366
March	600.00	\$ 22.78	\$ 13,668	607.50	\$ 37.49	\$ 22,775	555.00	\$ 23.82	\$ 13,220	\$ 49,663
April	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
May	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
June	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
YTD	2,712.00	22.78	61,779	2,745.90	37.49	102,944	2,508.60	23.82	59,755	\$ 224,478

Actual FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	605.87	\$ 22.28	\$ 13,499	782.64	\$ 38.30	\$ 29,975	538.30	\$ 23.34	\$ 12,564	\$ 56,038
August	562.73	\$ 22.32	\$ 12,560	715.35	\$ 38.38	\$ 27,455	532.08	\$ 23.38	\$ 12,440	\$ 52,455
September	543.60	\$ 21.99	\$ 11,954	733.68	\$ 38.41	\$ 28,181	551.67	\$ 23.40	\$ 12,909	\$ 53,043
October	500.29	\$ 22.35	\$ 11,181	662.06	\$ 38.42	\$ 25,436	553.20	\$ 22.35	\$ 12,364	\$ 48,982
November			\$ -			\$ -			\$ -	\$ -
December			\$ -			\$ -			\$ -	\$ -
January			\$ -			\$ -			\$ -	\$ -
February			\$ -			\$ -			\$ -	\$ -
March			\$ -			\$ -			\$ -	\$ -
April			\$ -			\$ -			\$ -	\$ -
May			\$ -			\$ -			\$ -	\$ -
June			\$ -			\$ -			\$ -	\$ -
YTD	2,212.49	22.2347503	49,194	2,893.73	38.375121	111,047	2,175.25	23.1132285	50,277	\$ 210,518

Variance FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	(106.13)	(0.50)	(2,721)	61.74	0.81	2,949	(120.30)	(0.48)	(3,124)	(2,896)
August	(109.27)	(0.46)	(2,748)	34.95	0.89	1,947	(89.52)	(0.44)	(2,366)	(3,168)
September	(96.40)	(0.79)	(2,625)	85.68	0.92	3,887	(40.33)	(0.42)	(1,192)	69
October	(187.71)	(0.43)	(4,491)	(34.54)	0.93	(679)	(83.20)	(1.47)	(2,795)	(7,965)
November										
December										
January										
February										
March										
April										
May										
June										
YTD	(499.51)	(0.55)	(12,585)	147.83	0.89	8,103	(333.35)	(0.71)	(9,478)	(13,960)

Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report
CSWS Metal Recovery Operations

[Narrative](#)

Period Ending: **October 31, 2021**

Budget FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
August	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
September	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
October	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
November	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
December	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
January	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
February	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
March	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
April	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
May	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
June	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
YTD	116.67	\$ 38.57	\$ -	\$ 38.57	4,500	166.67	\$ 110.00	\$ -	\$ 110.00	18,333	\$ 22,833

Actual FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	90.16	\$ 110.00	\$ 28.00	\$ 138.00	\$ 12,442	11.03	\$ 165.00	\$ 65.84	\$ 230.84	\$ 2,546	\$ 14,988
August	94.67	\$ 110.00	\$ 10.50	\$ 120.50	\$ 11,408	47.15	\$ 165.00	\$ 54.17	\$ 219.17	\$ 10,334	\$ 21,742
September	97.14	\$ 110.00	\$ (7.00)	\$ 103.00	\$ 10,005	13.61	\$ 165.00	\$ 41.67	\$ 206.67	\$ 2,813	\$ 12,818
October	93.27	\$ 110.00	\$ (7.00)	\$ 103.00	\$ 9,607	15.07	\$ 165.00	\$ 42.00	\$ 207.00	\$ 3,119	\$ 12,726
November				\$ -	\$ -				\$ -	\$ -	\$ -
December				\$ -	\$ -				\$ -	\$ -	\$ -
January				\$ -	\$ -				\$ -	\$ -	\$ -
February				\$ -	\$ -				\$ -	\$ -	\$ -
March				\$ -	\$ -				\$ -	\$ -	\$ -
April				\$ -	\$ -				\$ -	\$ -	\$ -
May				\$ -	\$ -				\$ -	\$ -	\$ -
June				\$ -	\$ -				\$ -	\$ -	\$ -
YTD	375.24	\$ 110.00	\$ 5.82	\$ 115.82	43,462.05	86.86	\$ 165.00	\$ 51.58	\$ 216.58	18,812.30	\$ 62,274

Variance FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	60.99	71.43	28.00	99.43	11,317.08	(30.64)	55.00	65.84	120.84	(2,037.17)	9,279.91
August	65.50	71.43	10.50	81.93	10,282.74	5.48	55.00	54.17	109.17	5,750.53	16,033.27
September	67.97	71.43	(7.00)	64.43	8,880.42	(28.06)	55.00	41.67	96.67	(1,770.55)	7,109.87
October	64.10	71.43	(7.00)	64.43	8,481.81	(26.60)	55.00	42.00	97.00	(1,463.84)	7,017.97
November											
December											
January											
February											
March											
April											
May											
June											
YTD	258.57	71.43	5.82	77.25	38,962.05	(79.81)	55.00	51.58	106.58	478.97	39,441.01

Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report

[Narrative](#)

Property Division and CSWS Flow of Funds

Period Ending: **October 31, 2021**
Transfer Date: **November 4, 2021**
Funding: **December**

Property Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 1,000.00		\$ 803,566.79		\$ 803,566.79	\$ 1,000.00
Property Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating Fund	\$ 1,447,584.71	\$ 193.60	\$ 100,382.77		\$ 224,018.40	\$ 1,571,413.94
PD General Fund	\$ 11,066,465.35	\$ 823.86				\$ 11,067,289.21
PD Improvement Fund	\$ 260,179.85					\$ 260,179.85
Jets Major Maintenance	\$ 964,000.00					\$ 964,000.00
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Major Maintenance	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ 579,548.39	Combined Below
Total	\$ 13,738,229.91	\$ 1,017.46	\$ 100,382.77	\$ -	\$ 803,566.79	\$ 13,862,883.00
CSWS Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 40,000.00		\$ 6,101,353.08		\$ 6,101,353.08	\$ 40,000.00
CSWS Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating STIF	\$ 8,985,270.45	\$ 527.98	\$ 6,216,726.27		\$ 5,775,912.24	\$ 8,544,984.40
Debt Service Fund	\$ 3,875.01					\$ 3,875.01
General Fund	\$ 1,101.18	\$ 0.05				\$ 1,101.23
CSWS Risk Fund	\$ 897,384.24	\$ 66.81				\$ 897,451.05
CSWS Legal Fund	\$ 639,268.42	\$ 47.27	\$ 50,504.00			\$ 588,811.69
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Major Maintenance	Combined Below				\$ 905,000.00	Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ (579,559.16)	Combined Below
Total	\$ 10,526,899.30	\$ 642.11	\$ 6,267,230.27	\$ -	\$ 6,101,353.08	\$ 10,036,223.38
Combined						
Severance Fund	\$ 2,541,941.87	\$ 189.24				\$ 2,542,131.11
CSWS Improvement Fund	\$ 319,447.51				\$ -	\$ 319,447.51
CSWS Major Maintenance	\$ 3,577,397.91	\$ 234.97	\$ 365,238.00		\$ 905,000.00	\$ 4,117,394.88
CSWS Tip Fee Stabilization	\$ 1,000.00	\$ 10.77			\$ (10.77)	\$ 1,000.00
Other Division Balances	Beginning Balance	Interest [+]	Receipts [+]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
General Fund Checking	\$ 1,176,577.20		\$ 262,645.22	\$ 282,343.58		\$ 1,156,878.84
Hartford Solar Reserve	\$ 335,041.45	\$ 24.94				\$ 335,066.39
Pollution Insurance Reserve	\$ -					\$ -
Landfill Operating Account	\$ 2,071,060.03		\$ 4,638.41	\$ 7,998.06		\$ 2,067,700.38

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.
- An additional \$645,746.22 was contributed to the CSWS Operating STIF account, which was short funded earlier in the year due to a shortfall from cash receipts and a lack of unencumbered funds in the CSWS Tip Fee Stabilization reserve.
- The YTD CSWS Operating STIF account has been short funded by \$847,800.33
- After the distribution of October receipts, \$64,667,517.52 remained due to the Tip Fee Stabilization Fund from the CSWS.
- YTD \$3,916,713.36 has been contributed to the CSWS Tip Fee Stabilization reserve from receipts.

**Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report
CSWS Major Maintenance Fund Status**

Narrative

Period Ending:

10/31/21

WASTE PROCESSING FACILITY	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
Trommels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Conveyors	\$ -	\$ -	\$ -	\$ 50,000	\$ (681)	\$ 50,681
MSW / RDF Tip Floor Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ 65,000	\$ -	\$ 65,000
Loaders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Rolling Stock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scale Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	\$ 115,000	\$ (681)	\$ 115,681
POWER BLOCK FACILITY						
Boiler 11	\$ 1,070,000	\$ 242,188	\$ 827,812	\$ 2,045,000	\$ 1,834,439	\$ 210,561
Boiler 12	\$ -	\$ 43,050	\$ (43,050)	\$ -	\$ 160,278	\$ (160,278)
Boiler 13	\$ -	\$ -	\$ -	\$ -	\$ (22,530)	\$ 22,530
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ -	\$ -	\$ -	\$ 475,000	\$ 345,722	\$ 129,278
Auxiliary Systems	\$ -	\$ -	\$ -	\$ 150,000	\$ (768)	\$ 150,768
Building Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ 49,500	\$ 500
Roof Repairs	\$ -	\$ -	\$ -	\$ 75,000	\$ 52,230	\$ 22,770
Site Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000
Switch Yard / Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ -	\$ -	\$ -	\$ 57,010	\$ (57,010)
M Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ 1,070,000	\$ 285,238	\$ 784,762	\$ 2,845,000	\$ 2,475,881	\$ 369,119
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watetown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CSWS MAJOR MAINTENANCE FUND	\$ 1,070,000	\$ 285,238	\$ 784,762	\$ 2,960,000	\$ 2,475,200	\$ 484,800

THE AUTHORITY - FINANCIAL RESULTS
For the Period Ending October 31, 2021

DETAILS	MONTH TO DATE				YEAR TO DATE			
	Budget	Actual	Variance		Budget	Actual	Variance	
<u>Authority Budget</u>								
Personnel Services (a)	\$ 292,704	\$ 237,822	\$ 54,882	18.75%	\$ 880,653	\$ 737,656	\$ 142,997	16.24%
Non-Personnel Services (b)	\$ 54,281	\$ 44,522	\$ 9,759	17.98%	\$ 217,124	\$ 339,439	\$ (122,315)	-56.33%
Total Authority Budget	\$ 346,985	\$ 282,344	\$ 64,641	18.63%	\$ 1,097,777	\$ 1,077,096	\$ 20,681	1.88%
LESS: STIF Interest Income	\$ -	\$ -	\$ -	100.00%	\$ -	\$ 626	\$ (626)	100.00%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 346,985	\$ 282,344	\$ 64,641	18.63%	\$ 1,097,777	\$ 1,076,470	\$ 21,307	1.94%
<u>Authority Budget Allocation</u>								
Landfill Division	\$ 8,365	\$ 6,807	\$ 1,558	18.62%	\$ 26,464	\$ 25,954	\$ 510	1.93%
Property Division	\$ 76,259	\$ 62,051	\$ 14,208	18.63%	\$ 241,262	\$ 236,576	\$ 4,686	1.94%
CSWS Division	\$ 262,361	\$ 213,486	\$ 48,875	18.63%	\$ 830,051	\$ 813,941	\$ 16,110	1.94%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 346,985	\$ 282,344	\$ 64,641	18.63%	\$ 1,097,777	\$ 1,076,470	\$ 21,307	1.94%
<u>MIRA Direct Personnel</u>								
Landfill Division	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Property Division	\$ 13,881	\$ 14,649	\$ (768)	-5.53%	\$ 41,760	\$ 39,862	\$ 1,898	4.54%
CSWS Division	\$ 169,116	\$ 132,649	\$ 36,467	21.56%	\$ 508,821	\$ 481,354	\$ 27,467	5.40%
TOTAL MIRA DIRECT	\$ 182,997	\$ 147,298	\$ 35,699	19.51%	\$ 550,581	\$ 521,217	\$ 29,364	5.33%
<u>Total Allocation</u>								
Landfill Division	\$ 8,365	\$ 6,807	\$ 1,558	18.62%	\$ 26,464	\$ 25,954	\$ 510	1.93%
Property Division	\$ 90,140	\$ 76,699	\$ 13,441	14.91%	\$ 283,022	\$ 276,438	\$ 6,584	2.33%
CSWS Division	\$ 431,477	\$ 346,135	\$ 85,342	19.78%	\$ 1,338,872	\$ 1,295,295	\$ 43,577	3.25%
TOTAL AUTHORITY & MIRA DIRECT	\$ 529,982	\$ 429,642	\$ 100,341	18.93%	\$ 1,648,358	\$ 1,597,687	\$ 50,671	3.07%

YTD VARIANCE EXPLANATION

- (a) Favorable due to lower than budgeted direct and indirect labor & benefits allocation related to the following:
- reversal of accrued FY21 Payroll expenditure of approximately \$34k;
 - lower than budgeted salaries and benefits due to an employee who is on medical leave and receiving disability compensation and resignation of two employees at the end of July 2021;
 - lower than budgeted employee medical insurance premium;
 - offset by payments made in Aug 2021 for accrued leave of approximately \$47k earned by the two employees that resigned in Jul 2021.
- (b) Unfavorable primarily due to higher than budgeted insurance premium.

TAB B

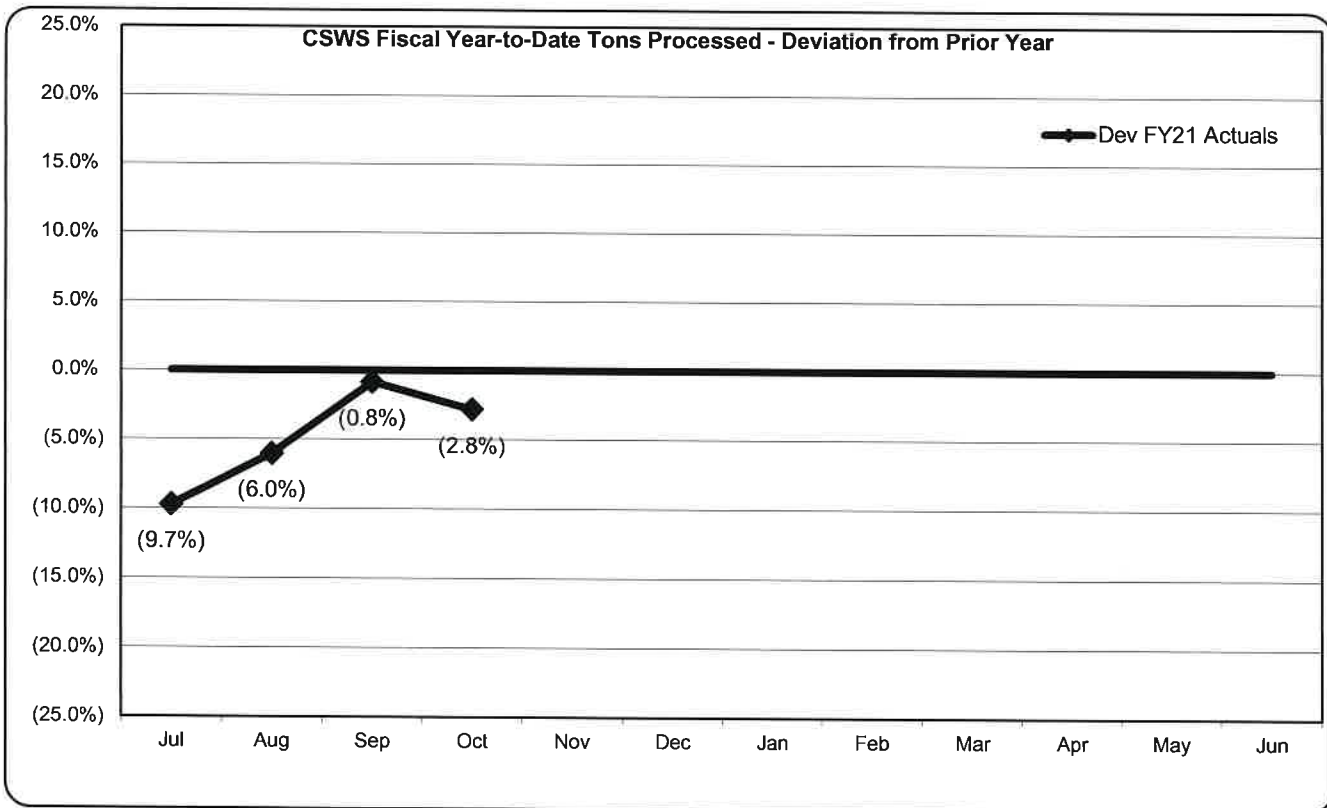
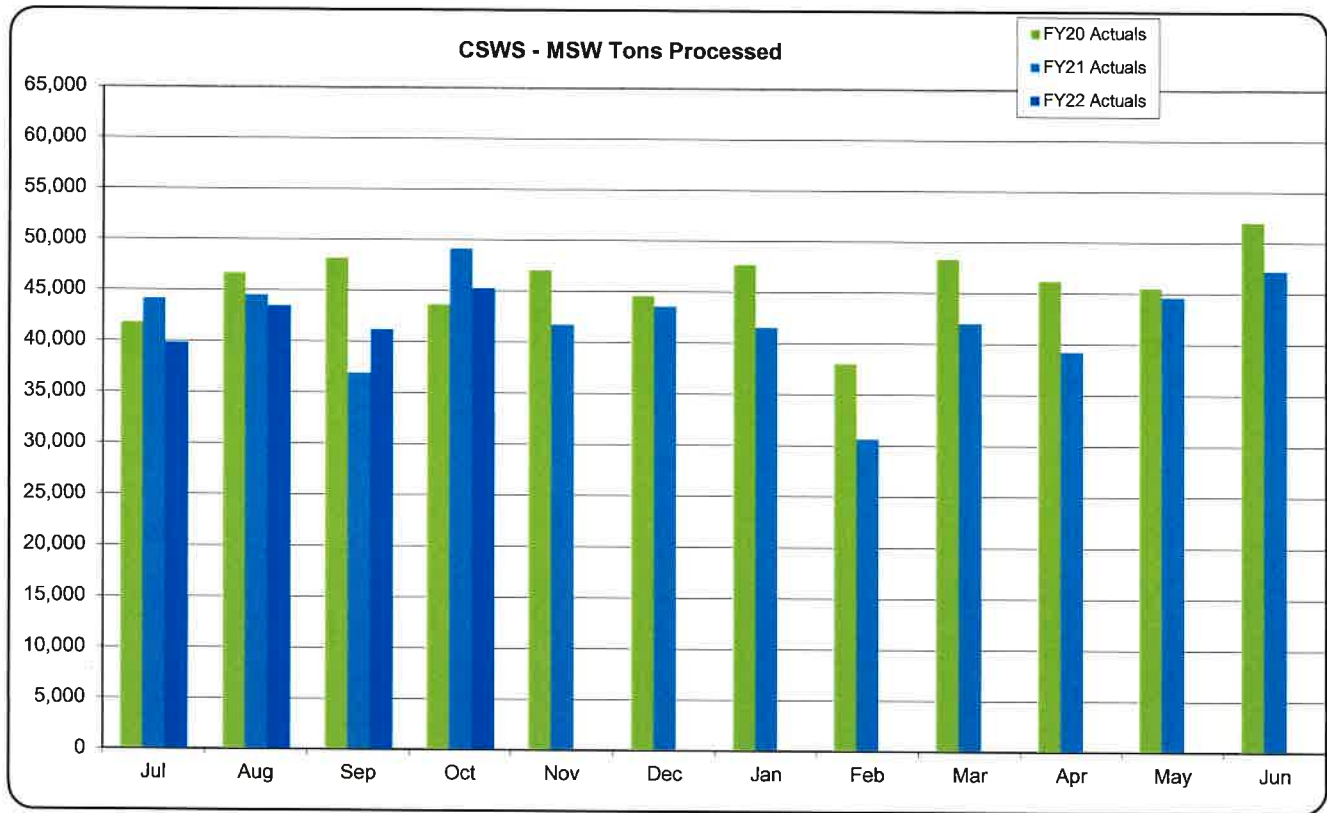
MATERIALS INNOVATION AND RECYCLING AUTHORITY

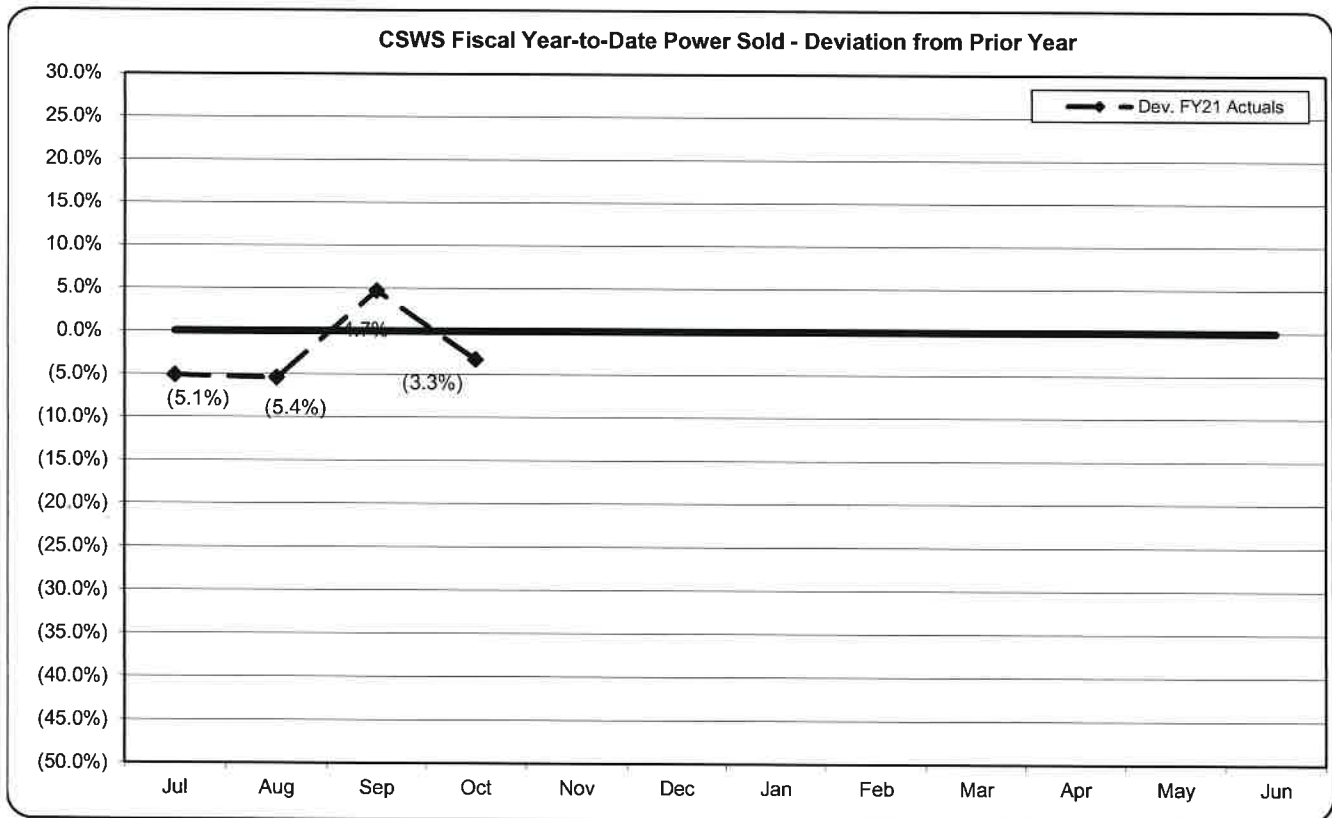
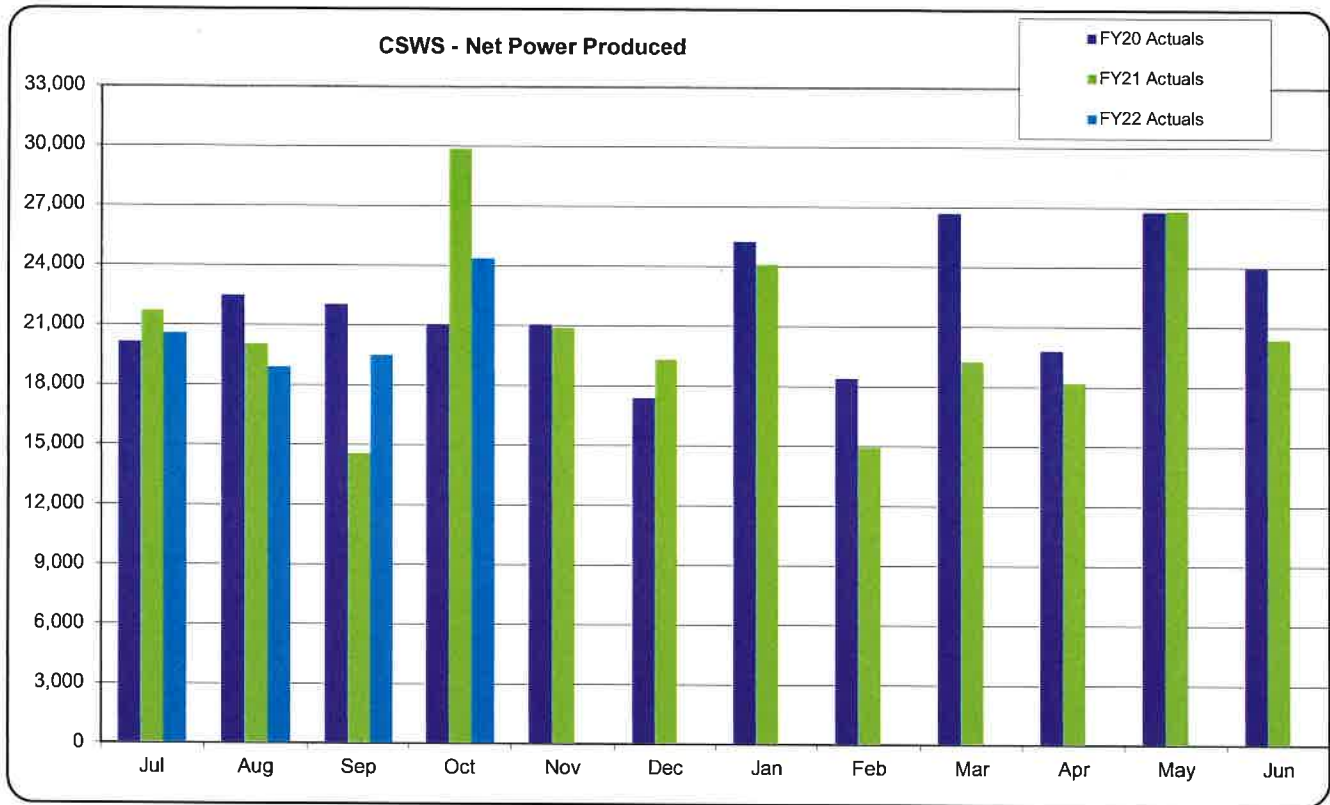
Monthly Operational Summary

October-21

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		
	2020	2021	Change	2021	2022	Change	Oct 20	Oct 21	Change
CSWS									
Tons MSW Processed	549,717	505,335	(8.1%)	174,703	169,806	(2.8%)	49,114	45,266	(7.8%)
Steam (klbs)	3,264,837	3,096,441	(5.2%)	1,126,749	1,027,053	(8.8%)	347,414	287,552	(17.2%)
(% MCR)	53.8%	51.0%		55.5%	50.6%		67.4%	55.8%	
Power (Net MWh)	272,358	250,166	(8.1%)	86,190	83,377	(3.3%)	29,860	24,377	(18.4%)
South Meadow Jets									
Net MWh	1,616	1,694	4.8%	981	1,107	12.8%	0	39	100.0%





CSWS Waste to Energy Plant Monthly Operational Summary

Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Oct 21	60%	44%	63%

Unscheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
07/06/21	07/07/21	11	30.40	Entire Plant Tripped- Bus #2 ID Fan #12 Breaker Failure
07/08/21	07/09/21	11	41.20	Gen. Bank Tube Leaks
07/29/21	07/29/21	11	12.40	Fire On- Site- RDF Conveyor Line
07/30/21	07/31/21	11	48.00	Fire Damage on RDF Feed System/ Furnace Tube Leaks
08/01/21	08/05/21	11	110.20	Fire Damage on RDF Feed System/ Furnace Tube Leaks
08/19/21	08/25/21	11	158.60	Waterwall Leaks
08/26/21	08/31/21	11	144.00	Gen. Bank Tube Leaks
09/01/21	09/06/21	11	137.20	Gen. Bank Tube Leaks
10/07/21	10/11/21	11	94.10	11 B Fly Ash Conveyor Repair
10/18/21	10/23/21	11	122.80	Low RDF Inventory
07/01/21	07/04/21	12	84.70	Large Furnance Slag Rock on B Grate
07/07/21	07/30/21	12	565.90	Failed ID Fan Bus # 2 Breaker and Failed ID Fan Drive Motor
08/05/21	08/07/21	12	54.20	Waterwall Furnace Tube Leaks
08/19/21	08/21/21	12	40.50	Furnace Slag Broke Grate
09/02/21	09/05/21	12	58.20	High Baghouse Delta P
10/13/21	10/18/21	12	113.90	Waterwall Furnace Tube Leaks
10/23/21	10/31/21	12	193.10	Tube Leak Repairs/Low RDF Inventory
07/01/21	07/01/21	13	22.20	Low RDF Inventory
07/06/21	07/07/21	13	17.40	Entire Plant Tripped- Bus #2 ID Fan #12 Breaker Failure
07/29/21	07/31/21	13	10.80	Fire On- Site- RDF Conveyor Line
09/29/21	09/30/21	13	14.00	Failed FD Fan Rotor Bearing
10/11/21	10/13/21	13	42.50	Repairs to 13 C Auger Drive
10/18/21	10/18/21	13	42.50	RDF Auger Problem
10/30/21	10/31/21	13	24.20	RDF Distribution Spout Repairs

Scheduled Downtime

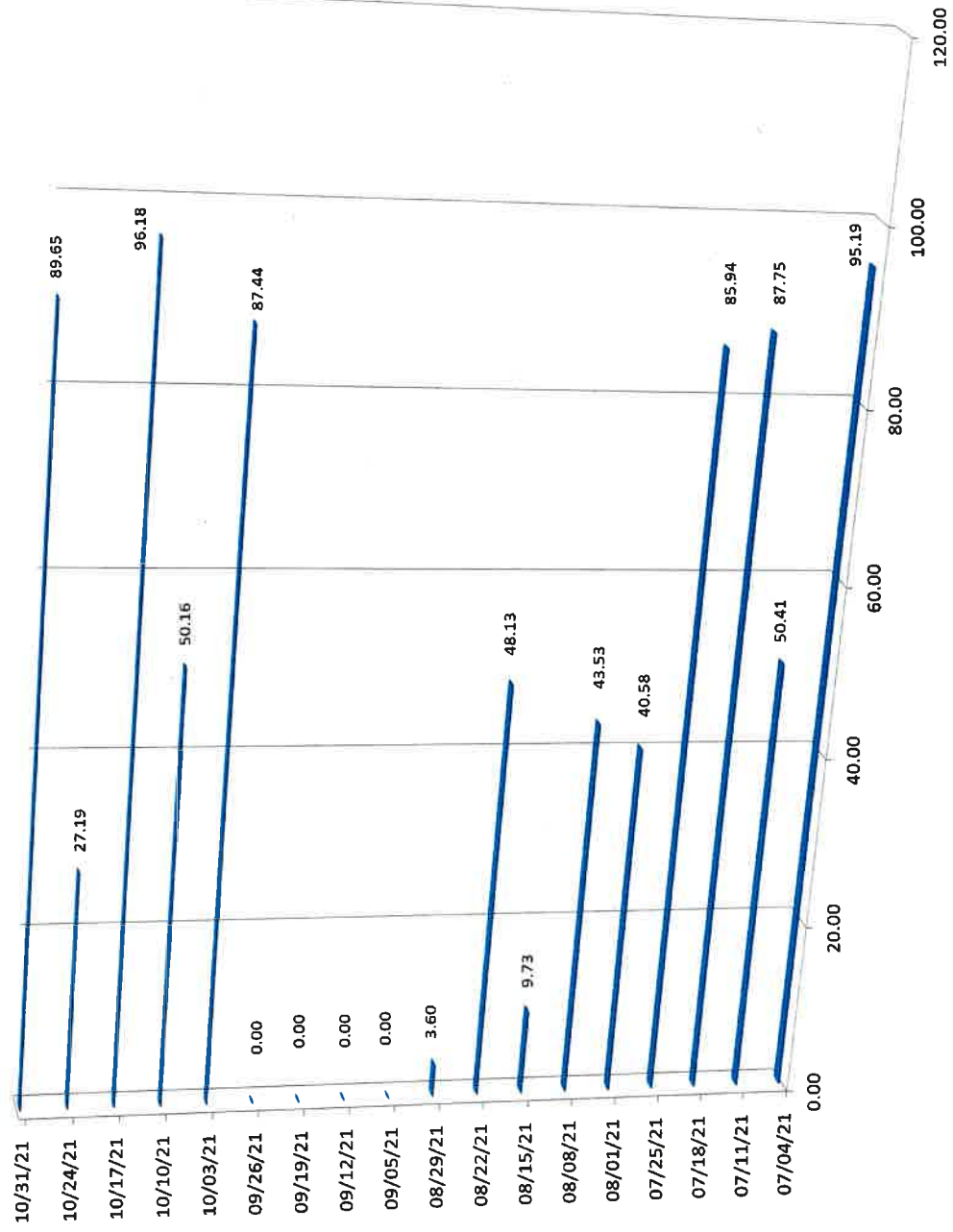
08/08/21	08/15/21	11	169.00	IRIS Testing on Gen. Bank Tube Leaks
09/07/21	09/28/21	11	514.10	Scheduled Major Outage
07/05/21	07/06/21	12	48.00	Scheduled Cleaning Outage
09/27/21	09/30/21	12	96.00	Scheduled Cleaning Outage
10/01/21	10/02/21	12	40.80	Scheduled Cleaning Outage
08/15/21	08/20/21	13	122.20	Scheduled Cleaning Outage
10/03/21	10/07/21	13	113.20	Scheduled Cleaning Outage

SOUTH MEADOWS JETS

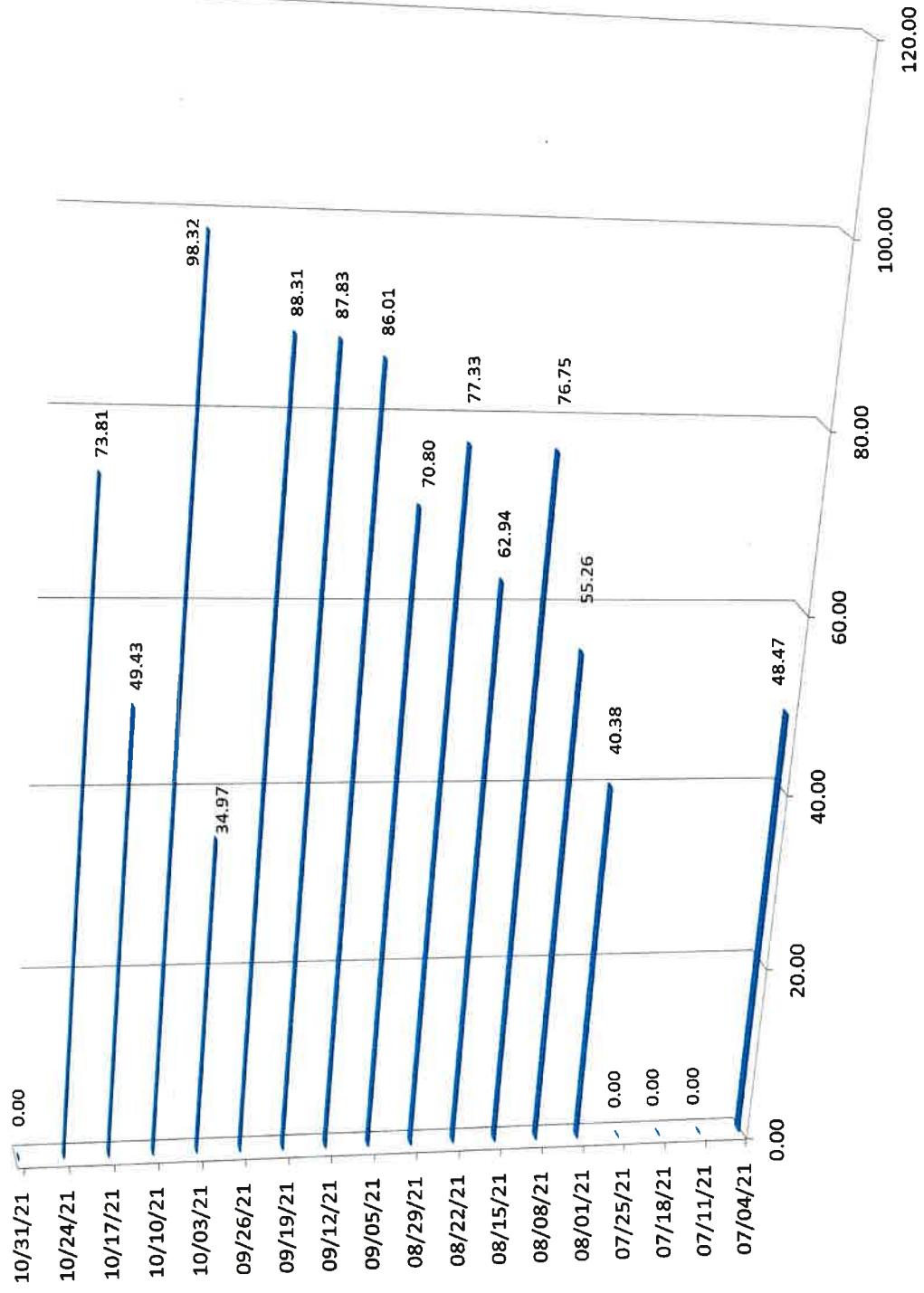
Monthly Operational Summary

Date	Net Generation (MWH)	Comment
07/07/21	149.25	ISO-NE Dispatch Units 11, 12, 14
07/15/21	59.04	Summer CCA Testing
07/17/21	42.91	ISO-NE Dispatch Units 11, 12, 14
08/18/21	48.34	ISO-NE Dispatch Unit 13
08/24/21	157.43	ISO-NE Dispatch Units 11, 12, 13, 14
08/25/21	275.80	ISO-NE Dispatch Units 11, 13, 14 & Vibration Test Unit 12
08/26/21	136.31	ISO-NE Dispatch Units 11, 13, 14
09/01/21	69.01	NERC Testing Unit 14
09/02/21	1.15	NERC Testing Units 12, 13
09/09/21	1.49	Testing of an Oil Pressure Problem- Unit 13
09/23/21	110.75	NERC Testing Units 12, 13
09/24/21	16.84	ISO-NE Dispatch Unit 11
10/01/21	5.83	High Vibration on the A Free Turbine- Unit 12
10/04/21	32.74	Troubleshoot High Oil Temp- Unit 11/ Replaced Transducer on A Free Turbine- Unit 12

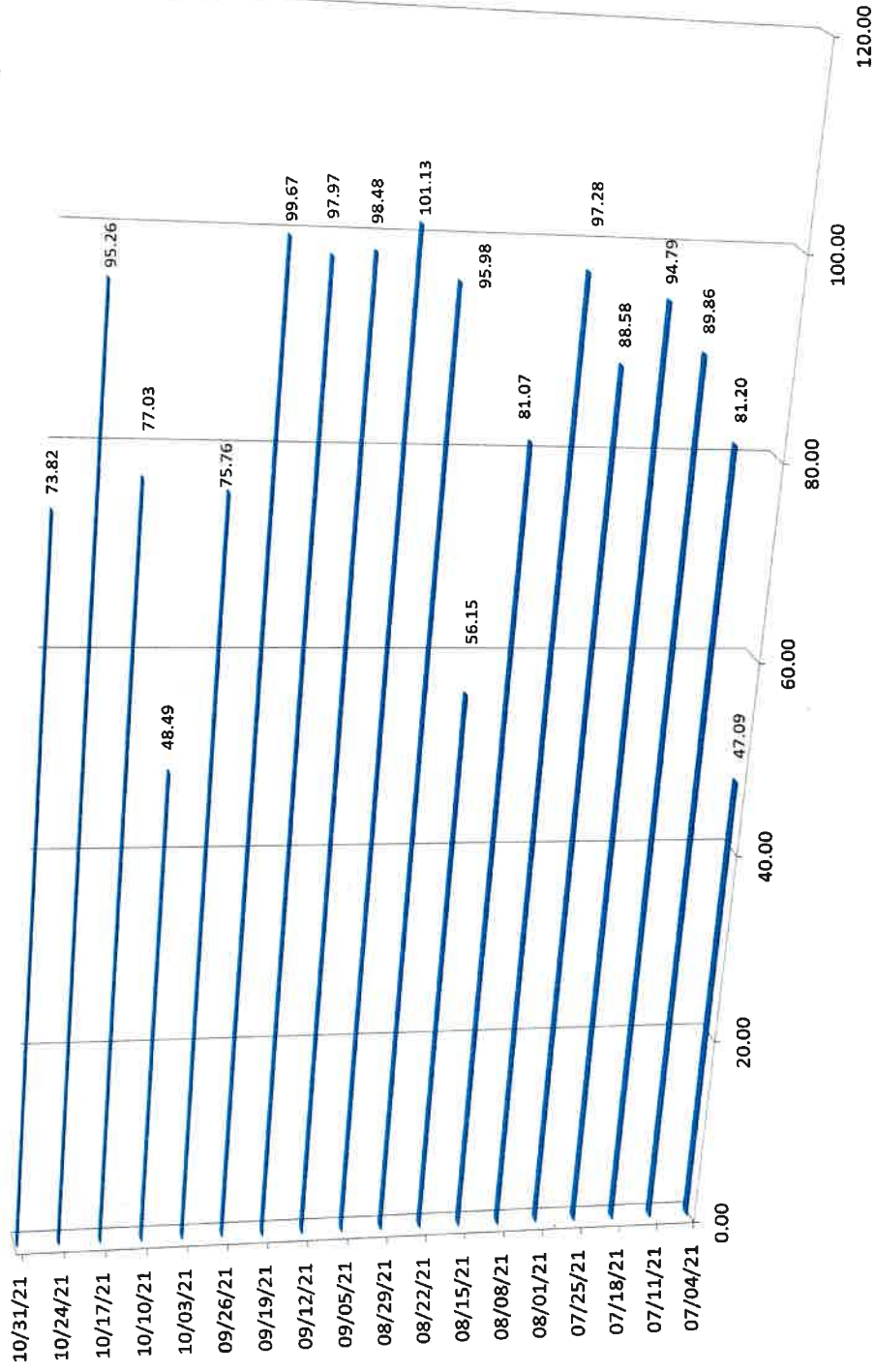
BLR#11 Steam Flow % of Target Steam flow Production



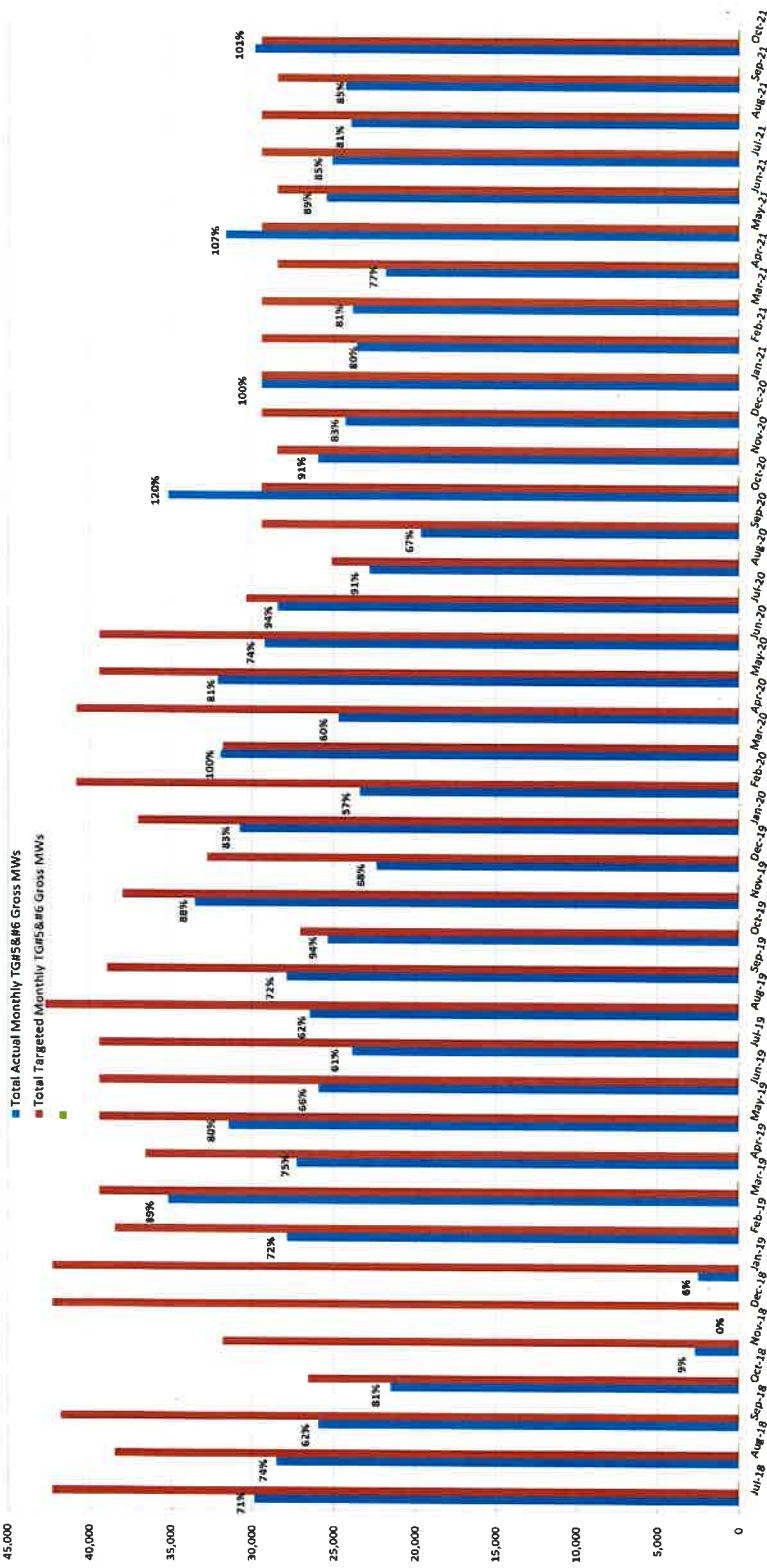
BLR#12 Steam Flow % of Target Steam flow Production



BLR#13 Steam Flow % of Target Steam flow Production



Combined Monthly TG#5 Gross MWs -Actual to Targeted



TAB C

MATERIALS INNOVATION AND RECYCLING AUTHORITY

Monthly Customer MSW and Recyclables Deliveries

October-21

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth
CSWS MSW									
Tier 1	391,251	400,941	2%	137,745	128,219	(7%)	34,123	29,958	(12%) (1)
Tier 2	13,013	13,580	4%	4,731	4,625	(2%)	1,125	1,059	(6%) (1)
Non-Processible MSW	2,637	2,946	12%	898	1,030	15%	398	498	25% (1)
Hauler Contract	114,976	64,521	(44%)	26,236	28,484	9%	6,141	11,629	89%
Contract (FCR Residue)	11,723	7,736	(34%)	2,960	0	(100%)	880	0	(100%) (1)
Ferrous Residue	6,868	6,502	(5%)	2,133	2,430	14%	562	451	(20%)
In-State Spot	0	9,219	-	0	3,128	-	0	1,493	-
Out-of-State Spot	0	27	-	0	0	-	0	0	-
MSW TOTAL	540,468	505,471	(6%)	174,703	167,917	(4%)	43,229	45,088	4%

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth
CSWS Recyclables									
Tier 1	56,609	54,036	(5%)	19,197	16,036	(16%)	4,795	3,750	(22%) (2)
Hauler Contract	20,474	5,361	(74%)	2,791	308	(89%)	676	97	(86%) (2)
Contractor Sourced	0	0	-	0	0	-	0	0	-
In-State Spot	0	0	-	0	0	-	0	0	-
Out-of-State Spot	0	0	-	0	0	-	0	0	-
RECYC. TOTAL	77,083	59,397	(23%)	21,988	16,344	(26%)	5,471	3,847	(30%)

MSW CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth
CSWS Facility and/or TS	4,416	0	(100%)	0	0	-	0	0	-
Re-Directed Material (1)	93	0	(100%)	0	0	-	0	0	-
TOTAL TONNAGE	4,509	0	(100%)	0	0	-	0	0	-

Recycling CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth
CSWS Facility and/or TS	4,122	11,216	172%	2,043	16,368	701%	0	4,005	-
Re-Directed Material (2)	0	1,650	-	1,650	0	(100%)	0	0	-
TOTAL TONNAGE	4,122	12,866	212%	3,693	16,368	343%	0	4,005	-

(1) INCLUDES Tons re-directed to Non-MIRA Facility (FY19 Jul Thru Feb), (FY20 Jul)

(2) INCLUDES Tons re-directed to Non-MIRA Facility (FY21 Jul, Aug) 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		
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth
Avon	12,112	12,660	5%	4,332	4,463	3%	1,096	1,033	(6%)
Bethlehem	1,710	1,811	6%	639	625	(2%)	149	163	9%
Bloomfield	15,811	13,870	(12%)	4,712	5,590	19%	1,120	1,296	16%
Canaan	474	496	5%	178	173	(2%)	45	39	(13%)
Canton	4,637	4,779	3%	1,659	1,718	4%	433	434	0%
Clinton	8,193	8,371	2%	3,090	2,677	(13%)	667	666	(0%)
Chester	1,139	1,392	22%	517	406	(21%)	124	89	(28%)
Colebrook	604	595	(1%)	208	235	13%	56	51	(9%)
Cornwall	530	599	13%	207	195	(6%)	43	41	(4%)
Deep River	3,359	3,087	(8%)	1,147	990	(14%)	271	233	(14%)
Durham/Middlefield	6,634	5,988	(10%)	2,106	1,660	(21%)	525	300	(43%)
East Granby	2,480	2,221	(10%)	730	823	13%	187	205	9%
East Hartford (2)	27,411	28,425	4%	9,693	0	(100%)	2,393	0	(100%)
East Hampton	6,691	7,017	5%	2,438	2,161	(11%)	627	540	(14%)
Ellington	5,228	5,271	1%	1,827	1,802	(1%)	442	414	(6%)
Essex	2,997	2,640	(12%)	843	989	17%	205	191	(7%)
Farmington	13,526	12,866	(5%)	4,323	4,144	(4%)	1,101	979	(11%)
Glastonbury	18,718	19,725	5%	6,699	6,764	1%	1,652	1,610	(3%)
Goshen	1,452	1,543	6%	569	551	(3%)	114	113	(1%)
Granby	4,271	4,416	3%	1,464	1,570	7%	382	378	(1%)
Haddam	3,346	3,495	4%	1,189	1,194	0%	280	257	(8%)
Hartford	80,122	84,363	5%	27,579	29,987	9%	7,208	7,159	(1%)
Harwinton	2,017	2,061	2%	745	755	1%	192	164	(14%)
Killingworth	2,061	1,647	(20%)	600	550	(8%)	149	125	(16%)
Litchfield	5,264	5,360	2%	1,905	1,935	2%	441	445	1%
Lyme	759	798	5%	279	277	(1%)	64	59	(8%)
Marlborough	2,401	2,759	15%	917	954	4%	207	215	4%
Middlebury	2,369	2,504	6%	919	758	(17%)	240	190	(21%)
Naugatuck	13,281	13,939	5%	5,064	3,919	(23%)	1,174	897	(24%)
Newington	19,499	20,347	4%	6,900	7,025	2%	1,778	1,693	(5%)
Norfolk	777	774	(0%)	310	284	(9%)	70	57	(19%)
North Canaan	2,005	2,054	2%	753	753	(0%)	171	176	3%
North Branford (4)	4,996	4,467	(11%)	1,594	0	(100%)	411	0	(100%)
Old Lyme	4,133	4,966	20%	1,837	1,996	9%	365	330	(10%)
Old Saybrook	8,742	8,715	(0%)	3,172	3,140	(1%)	728	695	(5%)
Portland	3,734	4,100	10%	1,430	1,451	1%	368	354	(4%)
Rocky Hill	12,171	12,510	3%	4,315	4,524	5%	1,078	1,100	2%
Roxbury (3)	671	722	8%	266	0	(100%)	62	0	(100%)
RRDD#1	11,082	11,319	2%	3,997	3,969	(1%)	955	936	(2%)
Salisbury/Sharon	3,152	3,508	11%	1,253	1,202	(4%)	289	269	(7%)
Simsbury	11,370	11,315	(0%)	3,869	4,051	5%	987	955	(3%)
Thomaston	4,299	4,425	3%	1,447	1,607	11%	373	357	(4%)
Torrington	22,954	23,611	3%	8,184	8,460	3%	2,009	2,031	1%
Watertown	11,157	12,005	8%	4,094	3,714	(9%)	1,012	843	(17%)
Westbrook (1)	2,856	3,010	5%	1,138	1,169	3%	268	239	(11%)
Wethersfield	14,357	14,380	0%	5,162	5,517	7%	1,267	1,277	1%
Woodbury	3,699	4,015	9%	1,446	1,493	3%	345	358	4%
TOTAL TIER 1 PART.	391,251	400,941	2%	137,745	128,219	(7%)	34,123	29,958	(12%)

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

(2) East Hartford- Not a member starting 7/1/21

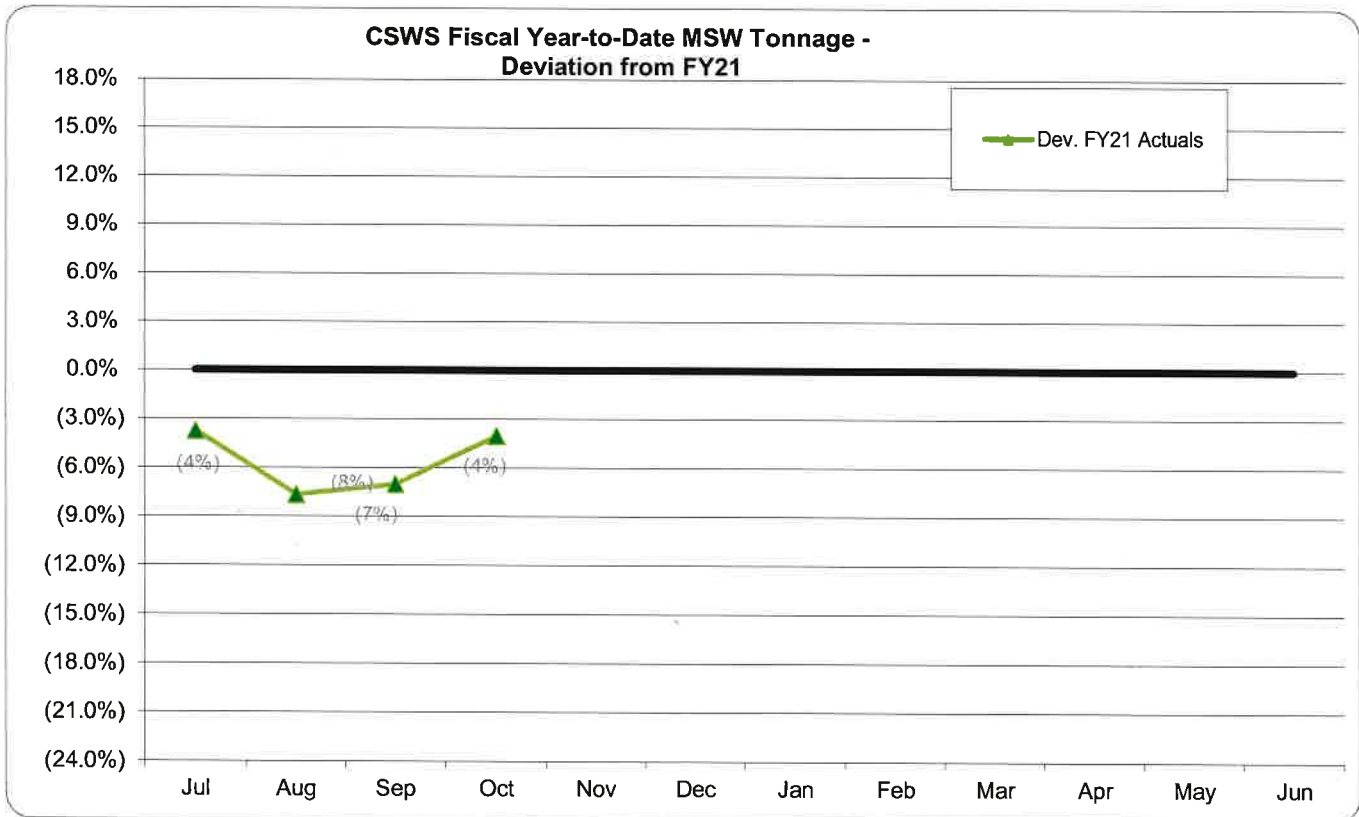
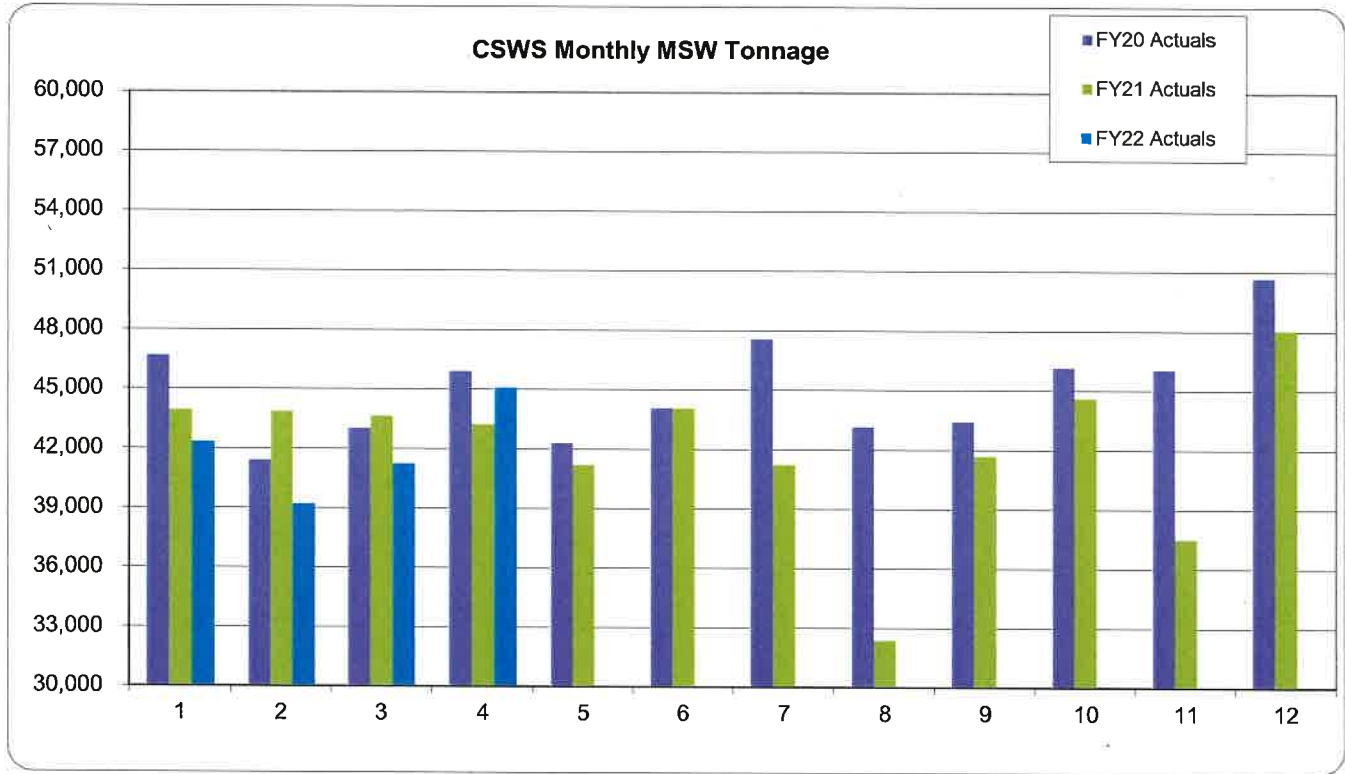
(3) Roxbury- Not a member starting 7/1/2021

(4) North Branford- Not a Member starting 7/1/21

(a) INCLUDES Tons re-directed to Non-MIRA Facility (FY20 Jul)

CSWS Tier 2 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth
Manchester	13,013	13,580	4%	4,731	4,625	(2%)	1,125	1,059	(6%)
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,013	13,580	4%	4,731	4,625	(2%)	1,125	1,059	(6%)

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			
	2020	2021	Growth	2021	2022	Growth	Oct 20	Oct 21	Growth	
Avon	1,925	2,041	6%	700	627	(10%)	192	147	(23%)	(a)
Bethlehem	367	369	1%	124	94	(25%)	30	32	8%	
Bloomfield	1,582	1,568	(1%)	568	547	(4%)	147	120	(18%)	(a)
Canaan	106	204	93%	50	78	58%	14	8	(47%)	
Canton	891	920	3%	304	296	(2%)	75	74	(1%)	(a)
Chester	328	405	23%	146	116	(21%)	34	26	(25%)	
Clinton	1,215	1,029	(15%)	431	174	(60%)	102	48	(53%)	
Colebrook	184	206	12%	71	76	7%	19	16	(14%)	
Cornwall	174	190	9%	62	52	(16%)	14	7	(46%)	
Deep River	400	292	(27%)	102	107	6%	23	28	19%	
Durham/Middlefield	933	903	(3%)	316	234	(26%)	87	54	(38%)	(a)
East Granby	439	478	9%	146	150	3%	37	36	(3%)	(a)
East Hartford (2)	3,461	2,998	(13%)	1,221	0	(100%)	309	0	(100%)	(a)
East Hampton	1,028	1,044	2%	340	319	(6%)	81	62	(24%)	(a)
Ellington	1,263	1,290	2%	449	439	(2%)	112	100	(10%)	(a)
Essex	828	748	(10%)	268	238	(11%)	68	55	(20%)	
Farmington	2,221	2,086	(6%)	720	645	(10%)	185	155	(17%)	(a)
Glastonbury	3,493	3,445	(1%)	1,147	1,016	(11%)	305	247	(19%)	(a)
Goshen	371	383	3%	125	119	(5%)	30	30	(1%)	
Granby	1,296	1,273	(2%)	433	408	(6%)	107	96	(10%)	(a)
Haddam	649	672	3%	233	197	(15%)	55	46	(16%)	(a)
Hartford	3,826	1,375	(64%)	784	748	(5%)	189	172	(9%)	(a)
Harwinton	476	502	5%	170	160	(6%)	46	35	(23%)	
Killingworth	494	462	(6%)	149	123	(18%)	42	30	(27%)	
Litchfield	780	837	7%	268	262	(3%)	74	62	(17%)	
Lyme	263	290	10%	97	98	1%	26	25	(7%)	
Marlborough	523	533	2%	182	153	(16%)	43	29	(33%)	(a)
Middlebury	898	922	3%	325	268	(17%)	85	66	(23%)	
Naugatuck	2,216	2,249	1%	800	710	(11%)	198	178	(10%)	
Newington	2,481	2,503	1%	848	798	(6%)	206	190	(8%)	(a)
Norfolk	166	167	1%	64	58	(8%)	16	12	(24%)	
North Branford (4)	1,210	1,159	(4%)	448	0	(100%)	109	0	(100%)	
North Canaan	258	251	(3%)	94	75	(21%)	20	26	33%	
Old Lyme	1,256	1,358	8%	513	476	(7%)	107	92	(14%)	
Old Saybrook	1,276	1,414	11%	532	486	(9%)	127	109	(15%)	
Portland	816	857	5%	292	280	(4%)	87	80	(8%)	(a)
Rocky Hill	1,540	1,471	(4%)	493	483	(2%)	125	110	(12%)	(a)
Roxbury (3)	232	268	16%	101	0	(100%)	25	0	(100%)	
RRDD#1	1,666	1,671	0%	564	544	(4%)	122	123	1%	
Salisbury-Sharon	1,179	1,229	4%	439	429	(2%)	102	96	(6%)	
Simsbury	2,602	2,602	0%	866	841	(3%)	235	201	(15%)	(a)
Thomaston	913	881	(3%)	301	312	4%	72	79	9%	
Torrington	2,785	2,883	4%	973	961	(1%)	226	222	(2%)	
Watertown	1,558	1,634	5%	565	529	(6%)	143	124	(13%)	
Westbrook (1)	573	503	(12%)	189	185	(2%)	38	38	0%	
Wethersfield	2,647	2,575	(3%)	887	843	(5%)	225	194	(14%)	(a)
Woodbury	820	893	9%	296	282	(5%)	80	70	(12%)	
TOTAL TIER 1 PART.	56,609	54,036	(5%)	19,197	16,036	(16%)	4,795	3,750	(22%)	

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

(3) Roxbury- Not a member starting 7/1/2021

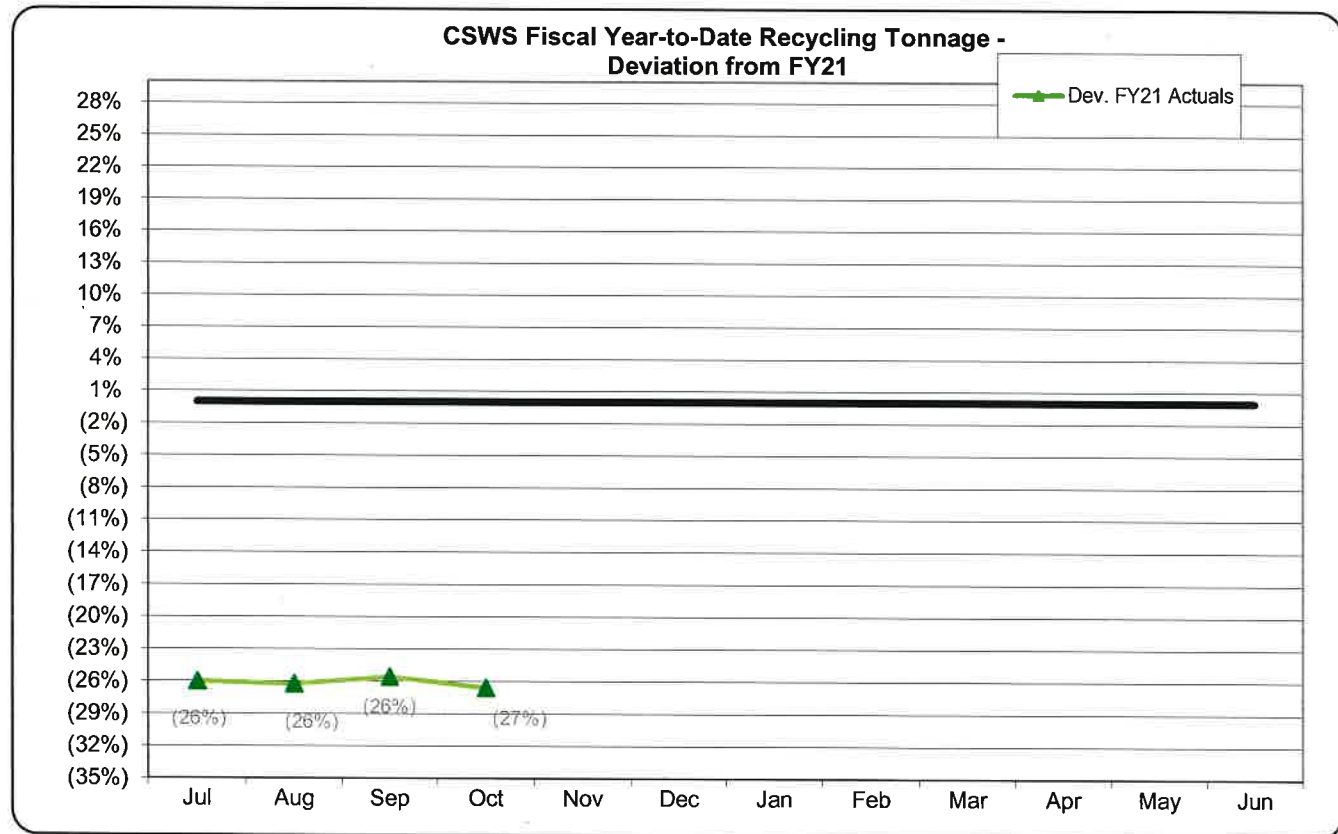
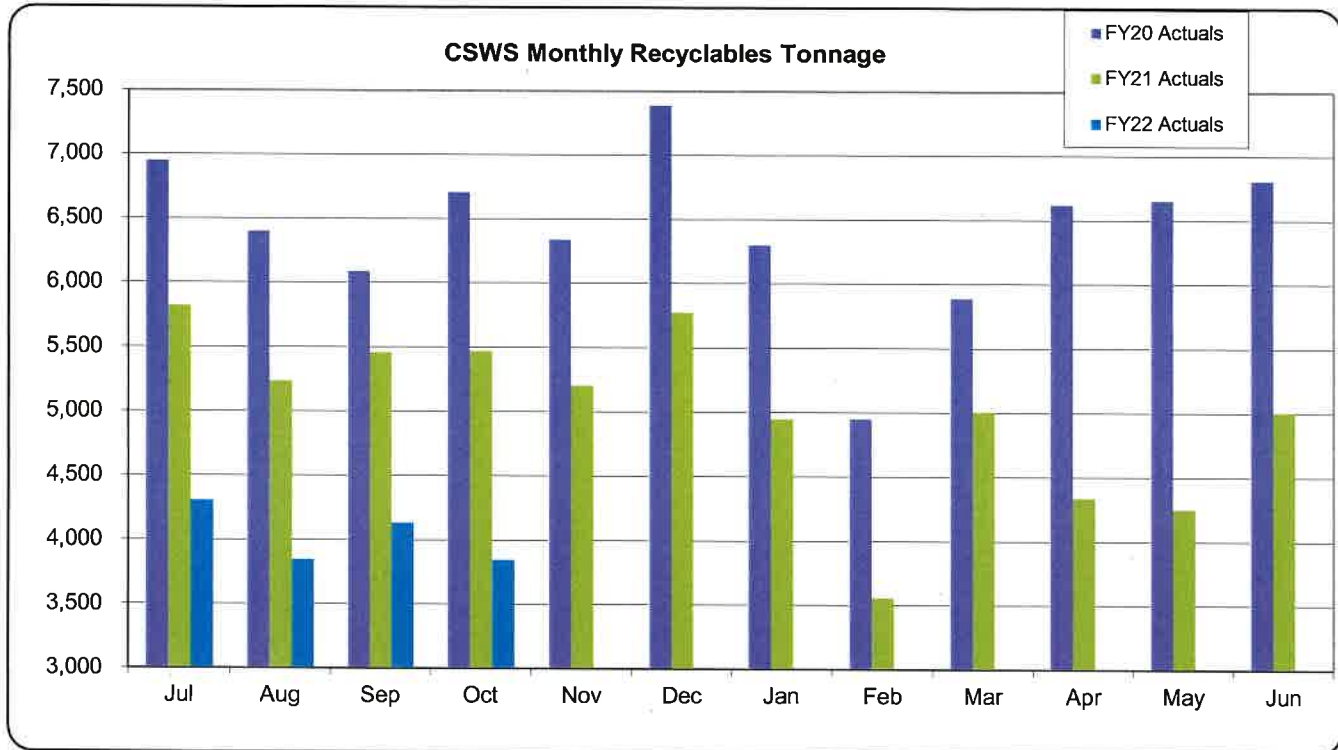
(2) East Hartford- Not a member starting 7/1/21

(4) North Branford- Not a Member starting 7/1/21

*Starting Oct 2019 Product Codes 320,321,322 fall under Hauler Contract

(a) INCLUDES Tons re-directed to Non-MIRA Facility (FY21 Jul, Aug)

CSWS Recyclables Trends



TAB D

FISCAL YEAR 2021 LEGAL REQUEST FOR SERVICES
FOR PERIOD ENDING 10/31/21

LEGAL FIRM	Matter	Board Approval	PO Number	PO Amount	FY22 expenses paid from FY22 PO	FY21 expenses paid from FY22 PO	FY22 accrued estimates	FY21 expenses Paid from FY21 PO (not accrued in FY21)	FY21 over/under accrual, Refunds received etc	Total per General ledger
Cohn Birnbaum & Shea	South Meadows Exit Strategy									
	Ellington									
Total Cohn Birnbaum & Shea		\$10,000.00			\$ -	\$ -	\$ -	\$ -	\$ (2,000)	\$ (2,000)
Day Pitney	NPDES Permitting Support									
					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Day Pitney		\$0.00			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Halloran & Sage	GC - Authority Budget		PO#14568	25,000	21,093		16,000		(7,080)	30,013
	Property Division		PO#14530	5,000						
	CSWS		PO#14532	25,000	8,458				(2,990)	5,468
	NAES		PO#14594	60,000						
	NAES - from reserve account			300,000	50,504		27,000			77,504
	Landfill Division		PO#14529	5,000						
	MidCT									
Beginning Halloran & Sage		\$140,000.00			\$ 80,054	\$ -	\$ 43,000	\$ -	\$ (10,069)	\$ 112,985
Kainen, Escalera & McHale	Employment		PO#14531	15,000	4,783	237			(237)	4,783
Total Kainen, Escalera & McHale		\$25,000.00			\$ 4,783	\$ 237	\$ -	\$ -	\$ (237)	\$ 4,783
Melick & Porter	Tremont									
Total Melick & Porter					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS:		\$175,000.00			\$ 84,837	\$ 237	\$ 43,000	\$ -	\$ (12,306)	\$ 115,767

Agrees with Gen Ledger

Start new year:
Cohn Birnbaum Shea 10,000.00
Halloran & Sage 140,000.00
Kainen 25,000.00
\$ 175,000.00

9/22/21 BOD approved \$400,00 for CSWS
from reserve - \$300,00 of which to be used for NAES litigation