



## MEMORANDUM

**TO:** MIRA Board of Directors  
**FROM:** Donald S. Stein, Chairman  
**DATE:** March 3, 2022  
**RE:** Notice of Regular Telephonic Meeting

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There will be a *regular telephonic* meeting of the Board of Directors of the Materials Innovation and Recycling Authority (MIRA) on *Wednesday, March 9, 2022 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: 885 2226 2330, and entering Passcode: 006477# 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 February 23, 2022 Regular Board Meeting (*Attachment 1*).
- IV. Board Action will be sought for a Resolution Approving an Agreement with CWPM LLC for Operation and Maintenance of the Essex Transfer Station, and, for Transportation of MSW and Recycling from the Essex Transfer Station (*Attachment 2*).
- V. Finance Committee Report
- VI. Policies and Procurement Committee Report
  - a. Board Action will be sought for a Resolution Regarding the Replacement of Weigh Scales at MIRA's Torrington, Watertown, and Essex Transfer Stations (*Attachment 3*).
- VII. OS & HR Committee Report
- VIII. Chairman's and President's Report
  - a. Attached Supplemental Information / Other Matters

IX. 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 FORTY-TWO**

**FEBRUARY 23, 2022**

A Regular Telephonic Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held via Zoom on Wednesday, February 23, 2022. Present via audio or video conferencing were:

Appointed Directors:

Chairman Stein  
Vice Chairman Jim Hayden  
Carl Fortuna, Jr.  
Bert Hunter  
Susan Weisselberg  
Leonard Assard  
Ed Mone (arrived 9:45 a.m.)  
Dave Steuber  
Richard Soderman  
Tom Swarr  
Luke Bronin (left 12:00 p.m.)

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 and Enforcement  
Cheryl Kaminsky, Manager of Accounting and Financial Reporting  
Dave Bodendorf, Senior Environmental Engineer/Manager of Construction and Power Products

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:33 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.

Tom Swarr addressed the Board. He said that if Connecticut wants to maintain self-sufficiency in waste management and reduce greenhouse gas emissions, we need to greatly reduce our disposal needs. He proposed that we accomplish this through implementation of a network of local facilities to sort MSW to recover biodegradable organics and additional recyclable materials. He said that recent history shows that towns are unlikely to invest in such facilities as long as cheaper alternatives are available through out-of-state disposal in landfills or legacy incinerators. Public policy incentives are required to accomplish State goals, combined with a regulatory regime that makes disposal more expensive than recovery. Mr. Swarr further noted that MIRA cannot accomplish these goals; it lacks the resources and state-wide policy-making authority necessary to achieve such changes. He concluded by saying that management of Connecticut waste via disposal in other communities is irresponsible and unethical; it's time for action by DEEP and the legislature to address this problem.

Mayor Bronin said he echoed Mr. Swarr's comments, and expressed his support for Mr. Swarr's message.

### **1. Approval of the Minutes of the January 19, 2022 Regular Board Meeting.**

Chairman Stein requested a motion to accept the minutes of the January 19, 2022 Board meeting. The motion to approve the minutes was made by Director Soderman and seconded by Director Hayden.

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

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		

Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone			
Dave Steuber	X		
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		
Luke Bronin	X		

## 2. Approval of the Minutes of the January 24, 2022 Special Board Meeting.

Chairman Stein requested a motion to accept the minutes of the January 24, 2022 Special Board meeting. The motion to approve the minutes was made by Director Hunter and seconded by Director Hayden.

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

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>

Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard			
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		
Luke Bronin	X		

Chairman Stein re-ordered the agenda to move items V.a., b., c., and d. after Executive Session, and proceeded with item VI.

**3. RESOLUTION REGARDING ADDITIONAL FY 2022 PROJECTED LEGAL EXPENDITURES.**

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

**WHEREAS**, MIRA has entered into Legal Service Agreements with various law firms to perform legal services; and

**WHEREAS**, the Board of Directors has previously authorized certain amounts for payment of fiscal year 2022 projected legal fees; and

**WHEREAS**, MIRA expects to incur greater than authorized legal expenses related to several matters with its general counsel; and

**WHEREAS**, funding for such additional expenses from Authority Budget and CSWS FY 22 budget surpluses is available;

**NOW THEREFORE, it is RESOLVED:** That the following additional amount be authorized for payment of projected legal fees and costs to be incurred during fiscal year 2022:

Firm:

Halloran & Sage

Amount:

\$175,000

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		



Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		
Luke Bronin	X		

**4. RESOLUTION REGARDING APPROVAL OF AN EXTENSION TO THE POWER PRODUCTS MANAGEMENT SERVICES AGREEMENT WITH NEXTERA ENERGY MARKETING, LLC.**

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

**RESOLVED:** That the President is authorized to execute an extension to the Power Products Management Services Agreement with Nextera Energy Marketing, LLC, substantially as discussed and presented at this meeting.

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		

Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		
Luke Bronin	X		

## 5. OS & HR COMMITTEE REPORT

Director Hayden reported on the OS&HR Committee meeting earlier today. He said that the Committee is concerned about staffing and retention of both NAES and MIRA employees, and noted that planning for future employment and replacement is in limbo until the end of March when municipal opt-out decisions will be known.

## 6. PRESIDENT'S REPORT

President Kirk reported on the operational and financial status of the CSWS for the period ending December 31, 2021, including reduction in waste deliveries and favorable power prices during the month. He also said that, as we consider extending operation of the WTE Facility beyond FY 22, he continues to have grave concerns regarding possible operational failure of the WTE Facility, and is, in addition, increasingly worried about NAES' ability to continue to maintain adequate skilled, experienced staffing levels at the Facility.

## 7. 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 requested that an additional item be added to the agenda: discussion in Executive Session of Pending Litigation in the matter of *Tremont Public Advisors v. MIRA* , and that the motion to go into Executive Session include that addition.

The motion was made by Director Soderman and seconded by Director Fortuna. Chairman Stein asked Mr. Kirk, Mr. Daley, Mr. Egan, Ms. Hunt, Mr. Gaffey, and Attorney Catino to participate in the discussion.

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		

Luke Bronin	X		
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Executive Session began at 10:07 a.m. and ended at 12:00 p.m. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and proceeded with the remaining agenda items.

At the request of the Chairman, Mr. Daley described each budget as it came up for vote.

#### **8. RESOLUTION REGARDING APPROVING THE FISCAL YEAR 2023 AUTHORITY BUDGET**

Chairman Stein requested a motion to approve the foregoing resolution. The motion was made by Director Hunter and seconded by Director Fortuna.

**WHEREAS**, The Materials Innovation and Recycling Authority (MIRA) is contractually obligated to adopt Disposal Fees for its Connecticut Solid Waste System (CSWS) Participating Municipalities on or before February 28, 2022, which fees will apply during MIRA's Fiscal Year 2023 which begins July 1, 2022 and ends June 30, 2023; and

**WHEREAS**, such Disposal Fees are to reflect the net cost of operation of the CSWS as defined in the Municipal Service Agreements between CSWS Participating Municipalities and MIRA, which net cost of operation includes a properly allocable share of MIRA's general administrative expenses commonly known as the "Authority Budget"; and

**WHEREAS**, in order for MIRA to progress timely with the establishment of Disposal Fees for the CSWS it is necessary for MIRA to adopt the Authority Budget for Fiscal Year 2023 at this time including the budget for personnel and non-personnel services that comprise MIRA's general administrative expenses and the amounts thereof that are properly allocable to MIRA projects and divisions that will be active during Fiscal Year 2023 including:

1. Connecticut Solid Waste System (CSWS)
2. Property Division
3. Landfill Division; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors resolved to pursue a limited (one boiler / one turbine / one year) operation of the CSWS Waste to Energy Facility during Fiscal Year 2023 (the "Transition Period") in the event that negotiations with Murphy Road Recycling and WIN Waste Innovations did not conclude

successfully with a planned waste transfer operation to be conducted from 123 / 143  
Murphy Road, Hartford CT; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors directed management to present to the Board no later than April 13, 2022 a Program of Operations for MIRA including executive leadership, general management, other staff and third-party services required for the safe and reliable operation of the CSWS Transfer Stations and the CSWS Waste to Energy Facility providing for such Transition Period (“Program of Operations”);

**NOW THEREFORE, be it**

**RESOLVED:** Management is directed to include in the Program of Operations a recommendation concerning the viability of a one boiler/one turbine/one year operation of the Facility during the Transition Period, or an alternative use of the Facility for waste transfer activity and/or alternative redirection of CSWS Participating Municipalities from the Facility to a CSWS Transfer Station, which recommendation shall identify any necessary changes to the budgeted operating income and use of reserves for MIRA’s Landfill Division, Property Division and Connecticut Solid Waste System.

**RESOLVED:** That the Fiscal Year 2023 Materials Innovation and Recycling Authority Operating Budget attached hereto as Exhibit A be adopted substantially in the form as presented and discussed at this meeting; and

**FURTHER RESOLVED:** In the event that any approved Program of Operations warrants modification of the Fiscal Year 2023 Materials Innovation and Recycling Authority Operating Budget adopted hereby, such modification shall be accommodated through corresponding changes to the operating income and use of reserves approved pursuant to the Fiscal Year 2023 Operating and Capital Budgets adopted by this Board this date for MIRA’s Landfill Division, Property Division and Connecticut Solid Waste System.

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, and Director Soderman voted yes. Director Steuber and Ad Hoc Swarr voted no.

Directors	Aye	Nay	Abstain

Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber		X	
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr		X	
Luke Bronin			

**9. RESOLUTION REGARDING APPROVING THE FISCAL YEAR 2023  
PROPERTY DIVISION OPERATING BUDGET**

Chairman Stein requested a motion to approve the foregoing resolution. The motion was made by Director Hunter and seconded by Director Soderberg.

**WHEREAS**, The Materials Innovation and Recycling Authority (MIRA) is contractually obligated to adopt Disposal Fees for its Connecticut Solid Waste System (CSWS) Participating Municipalities on or before February 28, 2022, which fees will apply during MIRA's Fiscal Year 2023 which begins July 1, 2022 and ends June 30, 2023; and

**WHEREAS**, such Disposal Fees are to reflect the net cost of operation of the CSWS as defined in the Municipal Service Agreements between CSWS Participating Municipalities and MIRA; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors resolved to pursue a limited (one boiler / one turbine / one year) operation of the CSWS Waste to Energy Facility during Fiscal Year 2023 (the "Transition Period") in the event that negotiations with Murphy Road Recycling and WIN Waste Innovations did not conclude successfully with a planned waste transfer operation to be conducted from 123 / 143 Murphy Road, Hartford CT; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors directed management to present to the Board no later than April 13, 2022 a Program of Operations for MIRA including executive leadership, general management, other staff and third-party services required for the safe and reliable operation of the CSWS Transfer Stations and the Facility providing for such Transition Period ("Program of Operations") which Program of Operations was further defined by resolution adopted this date; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors otherwise affirmed its previous resolutions concerning the transition to waste transfer operations at the CSWS Transfer Stations and its authorization to issue notices of award and negotiate the terms and conditions of final agreements with CWPM, Covanta and Enviro Express; and

**WHEREAS**, Undertaking the Transition Period in the event and manner contemplated will increase the CSWS net cost of operation and Disposal Fees and place added financial burden on the CSWS Participating Municipalities which MIRA desires to mitigate through the transfer of five million, six hundred and fifty thousand dollars (\$5,650,000) in Fiscal Year 2023 Property Division operating income to the CSWS Tip Fee Stabilization Fund; and

**WHEREAS**, MIRA further desires to establish a three million three hundred thousand dollar fund providing for the estimated cost to decommission the CSWS Waste to Energy Facility upon final cessation of waste combustion operations.

**NOW THEREFORE, be it**

**RESOLVED:** That the Fiscal Year 2023 Materials Innovation and Recycling Property Division Operating Budget attached hereto as Exhibit A be adopted substantially in the form as presented and discussed at this meeting; and

**FURTHER RESOLVED:** Following the transfer of Property Division receipts to its operating fund each month in accordance with MIRA's Flow of Funds procedure, Management is directed to transfer the next five million, six hundred and fifty thousand dollars (\$5,650,000) in Property Division receipts to the CSWS Tip Fee Stabilization Fund with all remaining receipts to be transferred to the Property Division General Fund.

**FURTHER RESOLVED:** Management is authorized to establish a CSWS Waste to Energy Facility Decommissioning Reserve within the State Treasurer's Short Term Investment Fund ("Decommissioning Reserve") and to transfer the sum of three million

three hundred thousand dollars (\$3,300,000) from the property Division's General Fund into such Decommissioning Reserve.

**FURTHER RESOLVED:** No funds shall be expended from such Decommissioning Reserve until such time as this Board approves a decommissioning plan including, but not limited to, a scope of work, final cost estimate, commencement and completion schedule.

**FURTHER RESOLVED:** In the event that any future approved Program of Operations warrants modification of the Fiscal Year 2023 Materials Innovation and Recycling Authority Property Division Operating Budget adopted hereby, such modification shall be accommodated through corresponding changes to the operating income and relevant use of reserves approved hereby, and/or adopted by this Board this date for MIRA's Landfill Division and Connecticut Solid Waste System.

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, and Director Soderman voted yes. Director Steuber and Ad Hoc Swarr voted no.

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber		X	
Richard Soderman	X		



Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr		X	
Luke Bronin			

**10. RESOLUTION REGARDING APPROVING THE FISCAL YEAR 2023  
CONNECTICUT SOLID WASTE SYSTEM OPERATING AND CAPITAL  
BUDGET**

Chairman Stein requested a motion to approve the foregoing resolution. The motion was made by Director Hunter and seconded by Director Hayden.

**WHEREAS**, at its December 20, 2021 meeting, the Materials Innovation and Recycling Authority (MIRA) Board of Directors adopted a resolution authorizing the President to incorporate final disposal fee values and enter into certain Municipal Service Agreement Amendments (MSA Amendments) with all CSWS Participating Municipalities as described in such resolution; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors adopted a resolution directing management to modify the terms and conditions of such MSA Amendment to provide an interim framework for subsidizing municipal tipping fees for certain CSWS Participating Municipalities affected by the status of award and negotiation of an MSW transportation and disposal contract (“Affected Municipalities”) to Murphy Road Recycling and WIN Waste Innovations (“MRR/WIN”) as further defined in such resolution, and to extend the deadline by which such MRR/Win contract terms were to be fully negotiated and finalized; and

**WHEREAS**, Such MSA Amendment has been so modified and provided to all CSWS Participating Municipalities establishing a Tier 1 Short-Term Disposal Fee of one hundred sixteen dollars (\$116.00) per ton for Participating Municipalities that execute and return such MSA Amendment subject to its terms and conditions; and

**WHEREAS**, on or before February 28, 2022, MIRA is further contractually obligated to adopt Disposal Fees for CSWS Participating Municipalities that do not execute and return such MSA Amendment subject to its terms and conditions; and

**WHEREAS**, The Capital Region Council of Governments is in the process of selecting a consultant to undertake a study intended to conclude with a proposed viable long term solution to Connecticut’s solid waste crisis (CROG Study); and

**WHEREAS**, Upon further review of its reserve funds, and in recognition and support of the CROG Study and potential identification of a viable long term solution, MIRA is

capable and desires to subsidize its Tier 1 Short Term and Tier 1 Long Term disposal fees to a greater extent than heretofore considered; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors resolved to pursue a limited (one boiler / one turbine / one year) operation of the CSWS Waste to Energy Facility during Fiscal Year 2023 (the "Transition Period") in the event that negotiations with MRR/WIN did not conclude successfully with a planned waste transfer operation to be conducted from 123 / 143 Murphy Road, Hartford CT with the objective of providing the Affected Municipalities additional time to make considered decisions concerning their future waste management service providers and requirements; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors otherwise affirmed its previous resolutions concerning the transition to waste transfer operations at the CSWS Transfer Stations and its authorization to issue notices of award and negotiate the terms and conditions of final agreements with CWPM, Covanta and Enviro Express; and

**WHEREAS**, Undertaking the Transition Period in the event and manner contemplated will require advance completion of additional major maintenance activities within the CSWS Waste to Energy Facility not contemplated at the time the Fiscal Year 2022 CSWS Operating and Capital Budget was adopted; and

**WHEREAS**, Otherwise proceeding with the transition to waste transfer operations at the CSWS Transfer Stations as contemplated will require refurbishment and replacement of scale infrastructure in advance of the Transition Period not contemplated at the time the Fiscal Year 2022 CSWS Operating and Capital Budget was adopted; and

**WHEREAS**, at its January 24, 2022 meeting, the MIRA Board of Directors directed management to present to the Board no later than April 13, 2022 a Program of Operations for MIRA including executive leadership, general management, other staff and third-party services required for the safe and reliable operation of the CSWS Transfer Stations and the Facility providing for such Transition Period ("Program of Operations") which Program of Operations was further defined by resolution adopted this date;

**NOW THEREFORE, be it**

**RESOLVED:** That the Tier 1 Short-Term Disposal Fee as defined in the MSA Amendments and set at one hundred sixteen dollars (\$116.00) per ton for MIRA's Fiscal Year 2023 commencing July 1, 2022 and ending June 30, 2023 is hereby reduced to one hundred four dollars (\$104.00) per ton and the President is authorized to modify such MSA Amendments accordingly for any Participating Municipality desiring such documentation in addition to this resolution.

**RESOLVED:** That the Fiscal Year 2023 Materials Innovation and Recycling Authority's Connecticut Solid Waste System Operating and Capital Budget attached hereto as Exhibit A be adopted substantially in the form as presented and discussed at this meeting.

**FURTHER RESOLVED:** That the Tier 1 Long Term Disposal Fee of one hundred nine dollars (\$109.00) per ton reflected in Exhibit A shall be effective July 1, 2022 through

June 30, 2023 for CSWS Participating Municipalities that do not execute and return such MSA Amendment subject to its terms and conditions.

**FURTHER RESOLVED:** Management is authorized to establish a project for Additional Waste to Energy Facility Major Maintenance required in advance of the Transition Year in the amount of nine hundred thousand dollars (\$900,000) to be funded with surplus funds available within the CSWS Major Maintenance Fund.

**FURTHER RESOLVED:** Management is authorized to establish a project for Scale Systems Replacement at the CSWS Transfer Stations required in advance of the Transition Year in the amount of six hundred thousand dollars (\$600,000) to be funded with surplus funds available within the CSWS Major Maintenance Fund.

**FURTHER RESOLVED:** Management is authorized to establish a project for Transfer Station Unrecovered Capital Equipment Purchase required in advance of the Transition Year in the amount of two hundred twenty – five thousand dollars (\$225,000) to be funded with surplus funds available within the Property Division Improvement Fund.

**FURTHER RESOLVED:** In the event that any future approved Program of Operations warrants modification of the Fiscal Year 2023 Materials Innovation and Recycling Authority Property Division Operating Budget adopted hereby, such modification shall be accommodated through corresponding changes to the operating income and relevant use of reserves approved hereby, and/or adopted by this Board this date for MIRA's Landfill Division and Property Division.

## **MOTION TO AMEND THE RESOLUTION**

At Chairman Stein's request, Mr. Daley read two proposed changes to the foregoing resolution into the record. The first resolution would read:

**RESOLVED:** That the Tier 1 Short-Term Disposal Fee as defined in the MSA Amendments and set at one hundred sixteen dollars (\$116.00) per ton for MIRA's Fiscal Year 2023 commencing July 1, 2022 and ending June 30, 2023 is hereby reduced to one hundred eleven dollars (\$111.00) per ton and the President is authorized to modify such MSA Amendments accordingly for any Participating Municipality desiring such documentation in addition to this resolution.

The third resolution would read:

**FURTHER RESOLVED:** That the Tier 1 Long Term Disposal Fee of one hundred sixteen dollars (\$116.00) per ton reflected in Exhibit A shall be effective July 1, 2022 through June 30, 2023 for CSWS Participating Municipalities that do not execute and return such MSA Amendment subject to its terms and conditions.

Mr. Daley also said that conforming changes to the budget values and anticipated use of reserves to reflect to those tip fees.

Chairman Stein requested a motion to amend the resolution as presented above. The motion was made by Director Soderman and seconded by Director Hunter.

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, Director Soderman and Director Swarr voted yes. Director Steuber voted no.

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber		X	
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		
Luke Bronin			

Chairman Stein requested a vote on the resolution previously moved and seconded, as amended. The motion was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, and Director Soderman voted yes. Director Steuber and Director Swarr voted no.

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber		X	
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr		X	
Luke Bronin			

# **11. RESOLUTION REGARDING ADOPTION OF THE FISCAL YEAR 2023 LANDFILL DIVISION OPERATING BUDGET**

Chairman Stein requested a motion to approve the foregoing resolution. The motion was made by Director Soderman and seconded by Director Hunter.

**RESOLVED:** That the Fiscal Year 2023 Materials Innovation and Recycling Authority Operating Budget for the Landfill Division attached hereto as Exhibit A be adopted substantially in the form as presented and discussed at this meeting

The motion previously made and seconded was approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, Director Soderman and Director Swarr voted yes. Director Steuber voted no.

<b>Directors</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Sue Weisselberg	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber		X	
Richard Soderman	X		
<b>Ad Hoc Members</b>	<b>Aye</b>	<b>Nay</b>	<b>Abstain</b>
Tom Swarr	X		
Luke Bronin			

## **Adjournment**

Chairman Stein requested a Motion to Adjourn. The motion was made by Director Mone and seconded by Director Assard. The meeting adjourned at 1:00 p.m.

# TAB 2

## **RESOLUTION REGARDING AN AGREEMENT FOR OPERATION, MAINTENANCE AND TRANSPORTATION SERVICES FOR THE ESSEX TRANSFER STATION**

**WHEREAS:** At its May 28, 2020 special telephonic meeting, the Materials Innovation and Recycling Authority (MIRA) Board of Directors adopted a resolution directing management to immediately commence planning and contracting activities necessary to transition the Connecticut Solid Waste System ("CSWS") Waste to Energy Facility to transfer operations and to continue to evaluate the feasibility of refurbishing the Waste to Energy Facility for longer term operation, which resolution was necessitated by the unsuccessful conclusion of the Department of Energy and Environmental Protection's "Resource Rediscovery" initiative to redevelop the CSWS; and

**WHEREAS:** on May 14, 2021 MIRA issued two Requests For Proposals for the Transportation and Disposal of Municipal Solid Waste i) at Regional Facilities and ii) at Out of State Landfills which RFPs permitted proposals for transportation only, disposal only or combined transportation and disposal service, and requested alternative pricing structures under the presumption that i) the CSWS Municipal Service Agreements remained subject to existing "Opt Out" clauses or ii) that the existing Opt Out clauses would be amended out of the agreements; and

**WHEREAS:** on June 16, 2021 MIRA issued a Request For Proposals for Operation, Maintenance and Optional Redevelopment of the Connecticut Solid Waste System Transfer Stations which RFP permitted fixed cost proposals to include maximum tonnage values and excess tonnage fees, alternative direct cost reimbursement proposals, optional recycling transportation services, optional facility capacity sharing arrangements and an optional facility development amendment; and

**WHEREAS:** MIRA received proposals for the Transportation and Disposal of Municipal Solid Waste from seven proposing entities offering transportation and/or disposal capacity at seven Regional Facilities and ten Out of State Landfills; and

**WHEREAS:** MIRA received proposals for the Operation, Maintenance and Optional Redevelopment of the Connecticut Solid Waste System Transfer Stations from six proposing entities offering operation, maintenance and / or redevelopment services for the Torrington, Watertown and Essex Transfer Stations and the Waste to Energy Facility; and

**WHEREAS:** MIRA evaluated such proposals pursuant to published evaluation criteria which included i) MIRA's objective to continue providing for the least cost, lowest risk, environmentally responsible processing of MSW at least through the June 30, 2027 expiration of the Municipal Service Agreements, ii) MIRA's objective to provide the



necessary CSWS Transfer Facility operating and maintenance services while at the same time leveraging the private use and development thereof to lower MIRA's overall cost of service and advance the State's long term goals for environmentally responsible treatment of MSW, iii) Transportation and Disposal Capacity and Price (With and Without the existing Municipal Service Agreement Opt Out clauses), iv) Transfer Station O&M Cost (net of potential Capacity Share Arrangements), v) Demonstrated Experience, vi) Reasonableness of Transition and Operating Plans, Environmental Compliance History and Business Exceptions and vii) Operational, Market and Economic Risks; and

**WHEREAS:** On August 25, 2021 CWPM LLC submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Essex Transfer Station, and on September 20, 2021 CWPM LLC submitted a proposal to MIRA for the Operation and Maintenance of the Essex Transfer Station; and

**WHEREAS:** At its December 20, 2022 meeting MIRA's Board of Directors directed the President to issue a Notice of Award to CWPM LLC for operation of the Essex Transfer Station and to undertake further negotiations with CWPM LLC to address i) business exceptions set forth in the CWPM LLC proposals, ii) the fixed cost Operation and Maintenance Fee for the Essex Transfer Station with optional recycling transportation, and iii) Transportation of Municipal Solid Waste from the Essex Transfer Station to the Covanta Waste to Energy Facility in Preston CT, in order to finalize terms and conditions of a final agreement with CWPM LLC; and

**WHEREAS:** MIRA staff have completed negotiations with CWPM LLC and have finalized terms and conditions of a final agreement with CWPM LLC, and the President is recommending to the Board that MIRA execute a contract with CWPM LLC on the terms and conditions set forth herein for the operation of the Essex Transfer Station and the transportation of such municipal solid waste to the Covanta Waste to Energy Facility in Preston CT, or other designated facilities.

Now therefore be it:

**RESOLVED:** That the Board of Directors authorizes the President to execute a contract with CWPM LLC for Operation, Maintenance and Transportation Services at MIRA's Essex Transfer Station, substantially as presented and discussed at this meeting.

# **Materials Innovation and Recycling Authority**

## **Agreement For Operation, Maintenance and Transportation Services for the Essex Transfer Station**

*March 9, 2022*

### **Executive Summary**

This is to request approval of the MIRA Board of Directors for the President to enter into an agreement with CWPM LLC to provide Operation, Maintenance and Waste Transportation Services for the Essex Transfer Station.

### **Background**

- CWPM LLC (“CWPM”) is the current operator of MIRA’s Essex Transfer Station. Under the current contract CWPM provides operation and maintenance services of the transfer station and provides transportation of MSW and acceptable recyclables from the transfer station to designated facilities.
- On August 25, 2021 CWPM LLC submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Essex Transfer Station, and on September 20, 2021 CWPM LLC submitted a proposal to MIRA for the Operation and Maintenance of the Essex Transfer Station.
- MIRA’s President identified the following MIRA staff to evaluate the Proposals associated with MIRA’s RFPs: Peter Egan, Director of Operations and Environmental Affairs; Mark Daley, CFO; Roger Guzowski, Contract and Procurement Manager; and Thomas Gaffey; Director of Recycling and Enforcement.
- After receiving and analyzing transportation and/or disposal proposals via RFP 22-OE-001 and RFP22-OE-002 and O&M proposals via RFP22-OE-004, MIRA sought to match a proposal from Covanta (submitted in response to RFP22-OE-001 and 002) for disposal-only of Acceptable Solid Waste with the CWPM proposal for O&M of the Transfer Station. This left a service gap related to transportation of MSW from the Essex Transfer Station to the Covanta Resource Recovery Facility in Preston, CT. MIRA contacted both CWPM and Covanta to see if they would provide transportation of MSW as part of their proposal. Covanta declined to provide MSW transportation. CWPM agreed to provide such transportation contingent on using the form of their current agreement (which includes all Operations, Maintenance and transportation services).

## **Key Terms of Agreement with CWPM**

Upon the Commencement Date of the Agreement

- CWPM is responsible for the care, custody, and control of the Designated Transfer Station and its real property.
- CWPM is responsible for transportation of Acceptable Solid Waste and Acceptable Recyclables received at the Essex Transfer Station to MIRA-designated disposal and recycling sites or alternate MIRA-designated facilities.
- CWPM furnishes all labor, administrative services, the Equipment (and other materials, fuel, supplies, tools and parts), facilities and any other property necessary to perform the Services in accordance with the Agreement.
- Exclusions: CWPM is not responsible for the following, which are the responsibility of MIRA:
  - Scale house telephones and telephone lines at the Designated Transfer Station;
  - Operation of the incoming scale inclusive of the scale computer hardware and software,
  - Quarterly inspections, testing, calibration and repairs of the scales as required (however, Contractor shall be responsible for cleaning of the incoming scale, including the power washing of the scale and understructure twice a year, scale pit cleaning and maintenance of the pit drainage system, hand shoveling of snow on and around the scale, keeping the scales from freezing, and replacement as needed of the rubber gasket (T-rubber stripping) to prevent intrusion of excessive amounts of debris in the scale pit. Contractor shall also be responsible for the maintenance, repair, and calibration of the load-out scale inside the Designated Transfer Station);
  - Maintenance and repair of the camera surveillance system;
  - Maintenance and repair of the access security system;
  - Roof repairs and replacement of the Designated Transfer Station (except for any repairs or replacement work of the roof necessitated from negligence of the Contractor);
  - The pre-existing environmental contamination of the real property upon which the Designated Transfer Station is located, if any, excepting therefrom any environmental contamination caused by Contractor or its agents during its performance of Services;
  - CTDEEP Permits and CTDEEP operating plans required for the operation of the Designated Transfer Station;
  - Semi-annual storm water monitoring;

- Tip floor projects, including both capital projects (e.g., replacement of a section or entire concrete tip floor), and small tip floor repair projects (e.g., application of new sacrificial asphalt layer on top of the concrete tip floor), except that Contractor will be financially responsible for tip floor replacement or repair projects caused by the Contractor or Contractor's negligence.

#### **Key Financial Terms of Agreement with CWPM**

- For Operation and Maintenance Services at the Essex Transfer Station, MIRA will pay to CWPM an annual O&M fee as follows:

<b>Fiscal Year</b>	<b>O&amp;M Fee</b>
Fiscal Year 2023 (July 1 2022 – June 30, 2023)	\$780,000
Fiscal Year 2024 (July 1 2023 – June 30, 2024)	\$803,400
Fiscal Year 2025 (July 1 2024 – June 30, 2025)	\$827,502
Fiscal Year 2026 (July 1 2025 – June 30, 2026)	\$852,327
Fiscal Year 2027 (July 1 2026 – June 30, 2027)	\$877,897

- For Transportation of MSW from Essex Transfer Station to Covanta Preston or MIRA WPF in Hartford, MIRA will pay to CWPM a per-ton fee as follows.

<b>Fiscal Year</b>	<b>MSW Transportation Price Per Ton</b>
Fiscal Year 2023 (July 1 2022 – June 30, 2023)	\$15.00
Fiscal Year 2024 (July 1 2023 – June 30, 2024)	\$15.45
Fiscal Year 2025 (July 1 2024 – June 30, 2025)	\$15.91
Fiscal Year 2026 (July 1 2025 – June 30, 2026)	\$16.39
Fiscal Year 2027 (July 1 2026 – June 30, 2027)	\$16.88

The Contract allows MIRA to designate alternate MSW disposal sites and designates that CWPM will deliver to such sites at a price to be determined by the parties at that time.

- For Transportation of Acceptable Recyclables from the Essex Transfer Station to Recycling Processing Facilities in either Berlin, CT or Willimantic, CT, MIRA will pay to CWPM a per-ton fee as follows:

<b>Fiscal Year</b>	<b>Transportation Price to Berlin CT</b>	<b>Transportation Price to Willimantic CT</b>
Fiscal Year 2023 (July 1 2022 – June 30, 2023)	\$30.00	\$40.00
Fiscal Year 2024 (July 1 2023 – June 30, 2024)	\$30.90	\$41.20
Fiscal Year 2025 (July 1 2024 – June 30, 2025)	\$31.83	\$42.44
Fiscal Year 2026 (July 1 2025 – June 30, 2026)	\$32.78	\$43.71
Fiscal Year 2027 (July 1 2026 – June 30, 2027)	\$33.76	\$45.02

- Fuel Surcharges: Fees for Transportation of MSW and transportation of Acceptable Recyclables will be subject to a monthly fuel surcharge which increases or decreases the transportation price each month based on the price of diesel fuel as specified in a U.S. Department of Labor Consumer Price Index.

# TAB 3

**This Resolution To Be Provided Under Separate Cover**



Materials Innovation and Recycling Authority  
Regular Board of Directors Meeting  
**Supplemental Information**  
March 9, 2022

*I. Finance*

1. Informational Reports for the period ending January 31, 2022 (*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 January 31, 2022 (*Attachment B*).
2. An update is provided on waste deliveries to the CSWS project for the period ending January 31, 2022 (*Attachment C*).

*III. Communications*

1. Legal Expenditure Report for the period ending January 31, 2022 (*Attachment D*).



# TAB A



BOARD OF DIRECTORS FINANCIAL REPORT  
PERIOD ENDING .....

January 31, 2022

**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 January totaled \$7.19 million (30.1% above budget). The deficit in Member Town waste deliveries was partially offset by Non Participating Town deliveries. Electricity sales revenue was very strong. The deficit in other energy markets reported for period ending December 31 was recovered in January with receipt of 3rd quarter REC sales. Year to date operating revenues are 9.7% above budget. Total accrued expenditures for January were \$4.25 million (20.5% under budget) with savings in all line items other than transfer station operations. 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 well under budget. Year to date accrued expenditures are 14.8% under budget. Year to date the CSWS has generated operating income of \$8.23 million which is \$9.38 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. In December 2021 MIRA executed an energy hedge on the first five megawatts of CSWS energy generation. The January 2022 hedged price for the first five megawatts was \$0.1283 per kwh. All other energy is sold in the wholesale energy market.

As indicated in this report, the CSWS total average energy price including hedged and wholesale was \$0.1461 per kwh in January which is \$0.1089 per kwh (292.3%) above budget. Year to date energy price is 72.5% above budget. The CSWS generated 17.96 million Kwh of energy in January which was 5.23 million Kwh (22.6%) below budget. The plant ran at full capacity for 0 out of 31 days. Overall boiler availability was 54.9%. Boiler 11 was off line for 591.93 hours (20.4% availability) initially due to a tube rupture and subsequently due to low fuel inventory. Boiler 12 was off line for 316.64 hours (57.4% availability) for RDF auger issues, a cleaning outage and low fuel. Boiler 13 was off line for 97.04 hours (87.0% availability) initially for a cleaning outage and also due to low fuel inventory. Turbine 5 was reported on line the entire month. Turbine 6 was reported off line during 14 days due to one boiler, or restricted boiler, operations. On a year to date basis, in comparison to this period of fiscal year 2021, energy price is up 122.4%, production is down 6.6% and revenue is up 107.9%.

**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 34,756 tons which is 8,478 tons (19.6%) below budget. Member town deliveries were 12,007 tons (30.7%) under budget while non-participating deliveries were 3,530 tons (85.9%) above budget. Prices for waste hauler tons averaged \$93.00 per ton in January 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 2,149 tons of other contract waste delivered in January at the rate of \$80 per ton pursuant to contracts awarded by the Authority. There was also 955 tons of spot waste delivered in January at an average rate of \$81.35 per ton. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 3.3% under budget a year to date basis.



BOARD OF DIRECTORS FINANCIAL REPORT  
PERIOD ENDING ..... January 31, 2022

**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, 109.08 tons of non-participating recycling were delivered and assessed a tip fee of \$117 per ton for total revenue of \$12,762. There were no such deliveries budgeted. Operating expenses totaled \$335,721 which is 43.9% under budget for January 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 57.0% 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 January, the Authority sold 103.53 gross tons of post combustion ferrous and 0 gross tons of maintenance metals for total revenue of \$12,113 which was 112.2% above budget due to strong pricing and higher than budget volume of ferrous sales. Metal sales are 175.7% 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 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 11.6% above budget in January due to surplus capacity payments. Operating expenses were 47.9% below budget due to savings in all line items. Total operating income is 17.2% 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 January were sufficient to distribute \$617,689 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 March are \$5,764,923. CSWS cash receipts were sufficient to execute budgeted distributions to the CSWS Operating STIF, Improvement and Major Maintenance funds causing a \$3,691,998 refund of the Tip Fee Stabilization Fund which included hauler prepaid tip fees as noted on this report. After the distribution of January receipts, \$59,722,005 remained contingently due to the Tip Fee

**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 January, the Authority advanced a net amount of \$14,300 from the Major Maintenance Fund to NAES primarily for site repairs.

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

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CSWS Monthly Financial Report

Period Ending: **January 31, 2022**

REVENUES	Current Month		Variance		Year to Date		Variance	
	Budget	Actual	Better (Worse) than Budget		Budget	Actual	Better (Worse) than Budget	
<u>Member Towns</u>	\$ 4,111,094	\$ 2,849,883	\$ (1,261,211)	-30.7%	\$ 26,787,287	\$ 23,370,195	\$ (3,417,092)	-12.8%
<u>Other Contracts</u>	\$ 116,529	\$ 171,885	\$ 55,356	47.5%	\$ 816,168	\$ 1,386,559	\$ 570,391	69.9%
<u>Hauler - Direct</u>	\$ 181,583	\$ 245,929	\$ 64,346	35.4%	\$ 1,126,289	\$ 1,966,930	\$ 840,640	74.6%
<u>Hauler - TS</u>	\$ 84,083	\$ 175,867	\$ 91,784	109.2%	\$ 547,873	\$ 1,135,916	\$ 588,043	107.3%
<u>Spot Waste</u>	\$ -	\$ 77,671	\$ 77,671	n/a	\$ -	\$ 452,484	\$ 452,484	n/a
Bypass, Delivery & Other Charges	\$ -	\$ 99,986	\$ 99,986	n/a	\$ -	\$ 106,764	\$ 106,764	n/a
Member Service Fee	\$ 2,472	\$ 1,973	\$ (500)	-20.2%	\$ 16,110	\$ 15,761	\$ (349)	-2.2%
<u>Metal Sales &amp; Excess Residue</u>	\$ 5,708	\$ 12,113	\$ 6,405	112.2%	\$ 39,958	\$ 110,155	\$ 70,196	175.7%
Bulky Waste	\$ 20,550	\$ 2,086	\$ (18,464)	-89.9%	\$ 143,850	\$ 133,378	\$ (10,472)	-7.3%
<u>Recycling Facility</u>	\$ -	\$ 12,762	\$ 12,762	n/a	\$ -	\$ 76,328	\$ 76,328	n/a
<u>Electricity Sales</u>	\$ 863,844	\$ 2,624,143	\$ 1,760,299	203.8%	\$ 5,556,302	\$ 8,901,347	\$ 3,345,045	60.2%
Other Energy Markets	\$ 141,250	\$ 917,461	\$ 776,211	549.5%	\$ 2,558,710	\$ 3,544,905	\$ 986,195	38.5%
Misc. (Interest, Fees, Other)	\$ 1,667	\$ 1,300	\$ (367)	-22.0%	\$ 12,869	\$ 57,149	\$ 44,280	344.1%
<b>TOTAL ACCRUED REVENUES</b>	<b>\$ 5,528,782</b>	<b>\$ 7,193,058</b>	<b>\$ 1,664,277</b>	<b>30.1%</b>	<b>\$ 37,605,417</b>	<b>\$ 41,257,872</b>	<b>\$ 3,652,455</b>	<b>9.7%</b>
<b>EXPENDITURES</b>								
Administrative Expenses	\$ 198,388	\$ 136,669	\$ 61,719	31.1%	\$ 1,406,899	\$ 1,252,394	\$ 154,505	11.0%
Operational & Contingent . Exp.	\$ 276,916	\$ 197,703	\$ 79,213	28.6%	\$ 1,655,970	\$ 1,230,985	\$ 424,985	25.7%
PILOTS & Fees	\$ 195,104	\$ 184,692	\$ 10,412	5.3%	\$ 1,386,655	\$ 1,367,741	\$ 18,914	1.4%
Waste Transport	\$ 1,082,173	\$ 796,412	\$ 285,761	26.4%	\$ 7,300,080	\$ 6,897,384	\$ 402,696	5.5%
Recycling Facility	\$ 598,236	\$ 335,721	\$ 262,515	43.9%	\$ 4,217,205	\$ 1,815,492	\$ 2,401,713	57.0%
Murphy Road Operations	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Facilities Operating Exp.	\$ 86,716	\$ 65,142	\$ 21,574	24.9%	\$ 642,187	\$ 785,827	\$ (143,640)	-22.4%
NAES Contract Operating Charges	\$ 2,529,883	\$ 2,161,976	\$ 367,907	14.5%	\$ 17,725,435	\$ 17,179,035	\$ 546,400	3.1%
NAES Contract Major Maint.	\$ -	\$ -	\$ -	n/a	\$ 1,800,000	\$ -	\$ 1,800,000	n/a
NAES On-Site Incentive Comp.	\$ 86,326	\$ 86,326	\$ -	0.0%	\$ 604,282	\$ 489,147	\$ 115,135	19.1%
NAES Management Fees	\$ 104,818	\$ 94,437	\$ 10,381	9.9%	\$ 733,726	\$ 716,494	\$ 17,232	2.3%
Transfer Station - Ellington	\$ 1,141	\$ 2,556	\$ (1,415)	-124.0%	\$ 10,487	\$ 9,851	\$ 636	6.1%
Transfer Station - Essex	\$ 65,727	\$ 67,378	\$ (1,651)	-2.5%	\$ 461,639	\$ 463,612	\$ (1,973)	-0.4%
Transfer Station - Torrington	\$ 50,138	\$ 51,426	\$ (1,288)	-2.6%	\$ 352,516	\$ 350,433	\$ 2,083	0.6%
Transfer Station - Watertown	\$ 65,569	\$ 67,396	\$ (1,827)	-2.8%	\$ 460,533	\$ 467,855	\$ (7,322)	-1.6%
<b>TOTAL ACCRUED EXPENDITURES</b>	<b>\$ 5,341,135</b>	<b>\$ 4,247,834</b>	<b>\$ 1,093,301</b>	<b>20.5%</b>	<b>\$ 38,757,614</b>	<b>\$ 33,026,250</b>	<b>\$ 5,731,364</b>	<b>14.8%</b>
<b>OPERATING INCOME</b>								
<b>(Before Reserves / Transfers)</b>	<b>\$ 187,647</b>	<b>\$ 2,945,225</b>	<b>\$ 2,757,578</b>	<b>1470%</b>	<b>\$ (1,152,197)</b>	<b>\$ 8,231,622</b>	<b>\$ 9,383,819</b>	<b>-814%</b>
<b>DISTRIBUTION OF CSWS OPERATING INCOME</b>								
<u>CSWS Improvement Fund</u>	\$ -	\$ -	\$ -	n/a	\$ 100,000	\$ 100,000	\$ -	0.0%
<u>CSWS Major Maint. Fund</u>	\$ -	\$ -	\$ -	n/a	\$ 5,305,000	\$ 5,305,000	\$ -	0.0%
<u>CSWS Risk Fund</u>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<u>CSWS Legal Reserve</u>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<u>MIRA Severance Reserve</u>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<b>TOTAL DISTRIBUTIONS</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>n/a</b>	<b>\$ 5,405,000</b>	<b>\$ 5,405,000</b>	<b>\$ -</b>	<b>0.0%</b>
<b>SURPLUS / (DEFICIT)</b>	<b>\$ 187,647</b>	<b>\$ 2,945,225</b>	<b>\$ 2,757,578</b>	<b>1470%</b>	<b>\$ (6,557,197)</b>	<b>\$ 2,826,622</b>	<b>\$ 9,383,819</b>	<b>-143.1%</b>



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

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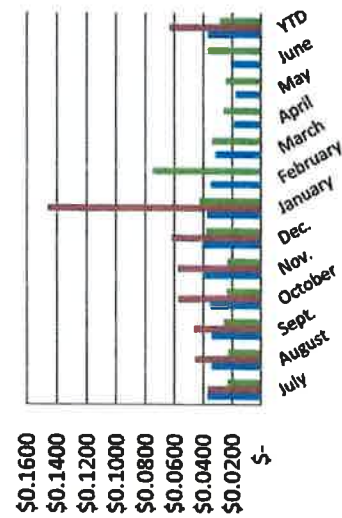
CSWS Electricity Production

Period Ending:

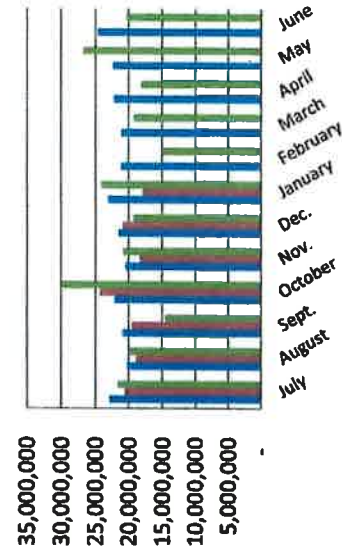
January 31, 2022

FY 2022	Price			Production			Generation Revenue		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
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	\$ 0.0575	\$ 0.0186	20,477,905	18,369,720	(2,108,185)	\$ 796,000	\$ 1,056,427	\$ 260,428
Dec.	\$ 0.0407	\$ 0.0618	\$ 0.0211	21,522,531	20,911,650	(610,881)	\$ 876,170	\$ 1,291,817	\$ 415,647
January	\$ 0.0372	\$ 0.1461	\$ 0.1089	23,196,412	17,962,220	(5,234,192)	\$ 863,844	\$ 2,624,143	\$ 1,760,299
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	\$ 0.0367	\$ 0.0633	\$ 0.0266	151,364,883	140,610,870	(10,754,013)	5,556,302	8,901,347	3,345,045
YTD % Var.			72.5%			-7.1%			60.2%

Price / KWh



Production (KWh)



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

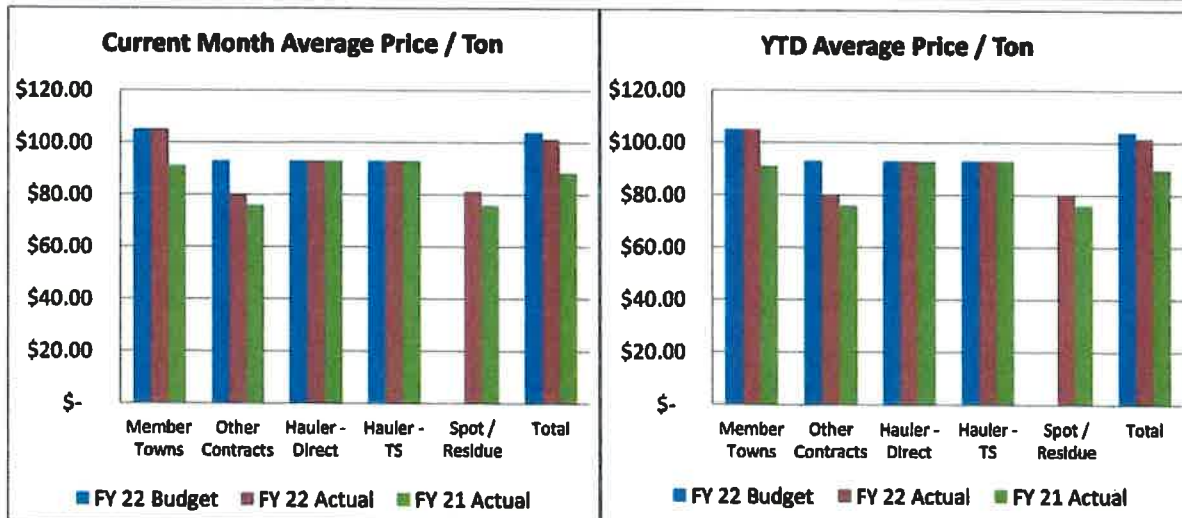
[Narrative](#)

CSWS Solid Waste Summary

Period Ending:

January 31, 2022

	Current Month			Year To Date		
FY 22 Budget	Tons	Revenue	Price	Tons	Revenue	Price
<a href="#">Member Towns</a>	39,124	\$ 4,111,094	\$ 105.08	254,929	\$ 26,787,287	\$ 105.08
<a href="#">Other Contracts</a>	1,253	\$ 116,529	\$ 93.00	8,776	\$ 816,168	\$ 93.00
<a href="#">Hauler - Direct</a>	1,953	\$ 181,583	\$ 93.00	12,111	\$ 1,126,289	\$ 93.00
<a href="#">Hauler - TS</a>	904	\$ 84,083	\$ 93.00	5,891	\$ 547,873	\$ 93.00
<a href="#">Spot / Residue</a>	-	\$ -	\$ -	-	\$ -	\$ -
<b>Total</b>	<b>43,234</b>	<b>\$ 4,493,289</b>	<b>\$ 103.93</b>	<b>281,706</b>	<b>\$ 29,277,617</b>	<b>\$ 103.93</b>
FY 22 Actual	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	27,117	\$ 2,849,883	\$ 105.10	222,387	\$ 23,370,195	\$ 105.09
Other Contracts	2,149	\$ 171,885	\$ 80.00	17,332	\$ 1,386,559	\$ 80.00
Hauler - Direct	2,644	\$ 245,929	\$ 93.00	21,150	\$ 1,966,930	\$ 93.00
Hauler - TS	1,891	\$ 175,867	\$ 93.00	12,210	\$ 1,135,916	\$ 93.03
Spot / Residue	955	\$ 77,671	\$ 81.35	5,660	\$ 452,484	\$ 79.94
<b>Total</b>	<b>34,756</b>	<b>\$ 3,521,235</b>	<b>\$ 101.31</b>	<b>278,739</b>	<b>\$ 28,312,084</b>	<b>\$ 101.57</b>
Variance	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	(12,007)	\$ (1,261,211)	\$ 0.02	(32,541)	\$ (3,417,092)	\$ 0.01
Other Contracts	896	\$ 55,356	\$ (13.00)	8,556	\$ 570,391	\$ (13.00)
Hauler - Direct	692	\$ 64,346	\$ -	9,039	\$ 840,640	\$ -
Hauler - TS	987	\$ 91,784	\$ -	6,318	\$ 588,043	\$ 0.03
Spot / Residue	955	\$ 77,671	\$ 81.35	5,660	\$ 452,484	\$ 79.94
<b>Total</b>	<b>(8,478)</b>	<b>\$ (972,055)</b>	<b>\$ (2.62)</b>	<b>(2,967)</b>	<b>\$ (965,534)</b>	<b>\$ (2.36)</b>
<b>Total % Var.</b>	<b>-19.6%</b>	<b>-21.6%</b>	<b>-2.5%</b>	<b>-1.1%</b>	<b>-3.3%</b>	<b>-2.3%</b>



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

Narrative

Period Ending:

January 31, 2022

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	\$ -	\$ 629,866
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	\$ -	\$ 392,009	\$ 3,702,989	\$ 122,207	\$ -	\$ 4,217,205

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	\$ 127,878	\$ 39,289	\$ 4,163	\$ 220,322
November	10.45	-	7.93	82.88	101.26	\$ 117	\$ 11,847	\$ 54,337	\$ 182,436	\$ (25,233)	\$ 252	\$ 211,792
December	26.86	-	8.58	98.23	133.67	\$ 117	\$ 15,639	\$ 58,152	\$ 262,646	\$ 8,803	\$ -	\$ 329,601
January	35.66	-	5.21	68.21	109.08	\$ 117	\$ 12,762	\$ 48,150	\$ 260,575	\$ 26,996	\$ -	\$ 335,721
February	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
March	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
April	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
May	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
June	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
YTD	83.52	-	42.55	526.31	652.38	\$ 117	\$ 76,328	\$ 371,157	\$ 1,353,624	\$ 76,868	\$ 13,843	\$ 1,815,492

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)	\$ (409,211)	\$ 22,448	\$ 4,163	\$ (390,566)
November	10.45	-	7.93	82.88	101.26	\$ -	\$ 11,847	\$ 1,363	\$ (320,670)	\$ (42,084)	\$ 252	\$ (361,140)
December	26.86	-	8.58	98.23	133.67	\$ -	\$ 15,639	\$ (782)	\$ (291,435)	\$ (8,048)	\$ -	\$ (300,265)
January	35.66	-	5.21	68.21	109.08	\$ -	\$ 12,762	\$ (7,473)	\$ (265,187)	\$ 10,145	\$ -	\$ (262,515)
February	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
March	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
April	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
May	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
June	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
YTD	83.52	-	42.55	526.31	652.38	\$ -	\$ 76,328	\$ (20,851)	\$ (2,349,365)	\$ (45,339)	\$ 13,843	\$ (2,401,719)



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

[Narrative](#)

Period Ending: **January 31, 2022**

Budget FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	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	4,736.00	22.78	107,886	4,795.20	37.49	179,772	4,380.80	23.82	104,351	\$ 392,009

Actual FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	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	565.62	\$ 22.62	\$ 12,794	703.00	\$ 38.87	\$ 27,326	599.88	\$ 23.70	\$ 14,217	\$ 54,337
December	689.59	\$ 22.74	\$ 15,681	741.15	\$ 39.06	\$ 28,949	567.88	\$ 23.81	\$ 13,521	\$ 58,152
January	553.29	\$ 22.74	\$ 12,582	603.04	\$ 39.06	\$ 23,555	504.34	\$ 23.82	\$ 12,013	\$ 48,150
February			\$ -			\$ -			\$ -	\$ -
March			\$ -			\$ -			\$ -	\$ -
April			\$ -			\$ -			\$ -	\$ -
May			\$ -			\$ -			\$ -	\$ -
June			\$ -			\$ -			\$ -	\$ -
YTD	4,020.99	\$ 22.45	90,252	4,940.92	\$ 38.63	190,877	3,847.35	\$ 23.40	90,029	\$ 371,157

Variance FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	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	(74.38)	(0.16)	(1,785)	55.00	1.38	3,032	7.88	(0.12)	116	1,363
December	(22.41)	(0.04)	(538)	20.25	1.57	1,923	(90.72)	(0.01)	(2,167)	(782)
January	(118.71)	(0.04)	(2,726)	(77.36)	1.57	(1,953)	(117.26)	-	(2,793)	(7,473)
February										
March										
April										
May										
June										
YTD	(715.01)	(0.33)	(17,635)	145.72	1.14	11,105	(533.45)	(0.42)	(14,322)	(20,851)



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

[Narrative](#)

Period Ending:

January 31, 2022

Budget FY 2022	Hartford to Berlin			Base Operating Charge					Managemen Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	2,888.05	\$ 30.00	\$ 86,642	4,895.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 417,440	\$ 50,000	\$ 554,081
August	2,725.80	\$ 30.00	\$ 81,774	4,620.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 393,988	\$ 50,000	\$ 525,762
September	2,596.00	\$ 30.00	\$ 77,880	4,400.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 375,227	\$ 50,000	\$ 503,107
October	2,790.70	\$ 30.00	\$ 83,721	4,730.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 403,369	\$ 50,000	\$ 537,090
November	2,596.00	\$ 30.00	\$ 77,880	4,400.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 375,227	\$ 50,000	\$ 503,107
December	2,888.05	\$ 30.00	\$ 86,642	4,895.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 417,440	\$ 50,000	\$ 554,081
January	2,725.80	\$ 30.00	\$ 81,774	4,620.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 393,988	\$ 50,000	\$ 525,762
February	2,174.15	\$ 30.00	\$ 65,225	3,685.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 314,252	\$ 50,000	\$ 429,477
March	2,433.75	\$ 30.00	\$ 73,013	4,125.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 351,775	\$ 50,000	\$ 474,787
April	2,790.70	\$ 30.00	\$ 83,721	4,730.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 403,369	\$ 50,000	\$ 537,090
May	2,920.50	\$ 30.00	\$ 87,615	4,950.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 422,130	\$ 50,000	\$ 559,745
June	2,920.50	\$ 30.00	\$ 87,615	4,950.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 422,130	\$ 50,000	\$ 559,745
YTD	19,210	30.00	576,312	32,560	\$ 85.00	\$ 0.28	\$ 85.28	2,776,677	350,000	\$ 3,702,989

Actual FY 2022	Hartford to Berlin			Base Operating Charge					Managemen Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	4,080.59	\$ 30.00	\$ 122,418	4,116.4	\$ 85.00	\$ (63.16)	\$ 21.84	\$ 89,901	\$ 50,000	\$ 262,319
August	2,237.66	\$ 30.00	\$ 67,130	4,043.8	\$ 85.00	\$ (79.50)	\$ 5.50	\$ 22,241	\$ 50,000	\$ 139,371
September	2,147.28	\$ 30.00	\$ 64,418	4,020.7	\$ 85.00	\$ (84.01)	\$ 0.99	\$ 3,980	\$ 50,000	\$ 118,399
October	2,280.23	\$ 30.00	\$ 68,407	4,013.2	\$ 85.00	\$ (82.64)	\$ 2.36	\$ 9,471	\$ 50,000	\$ 127,878
November	2,357.92	\$ 30.00	\$ 70,738	4,252.14	\$ 85.00	\$ (70.49)	\$ 14.51	\$ 61,699	\$ 50,000	\$ 182,436
December	2,299.76	\$ 30.00	\$ 68,993	4,501.83	\$ 85.00	\$ (53.09)	\$ 31.91	\$ 143,653	\$ 50,000	\$ 262,646
January	2,286.11	\$ 30.00	\$ 68,583	3,940.93	\$ 85.00	\$ (48.97)	\$ 36.03	\$ 141,992	\$ 50,000	\$ 260,575
February			\$ -				\$ -	\$ -		\$ -
March			\$ -				\$ -	\$ -		\$ -
April			\$ -				\$ -	\$ -		\$ -
May			\$ -				\$ -	\$ -		\$ -
June			\$ -				\$ -	\$ -		\$ -
YTD	17,690	\$ 30.00	530,687	28,889	\$ 85.00	\$ 68.63	\$ 16.37	472,937	350,000	\$ 1,353,624

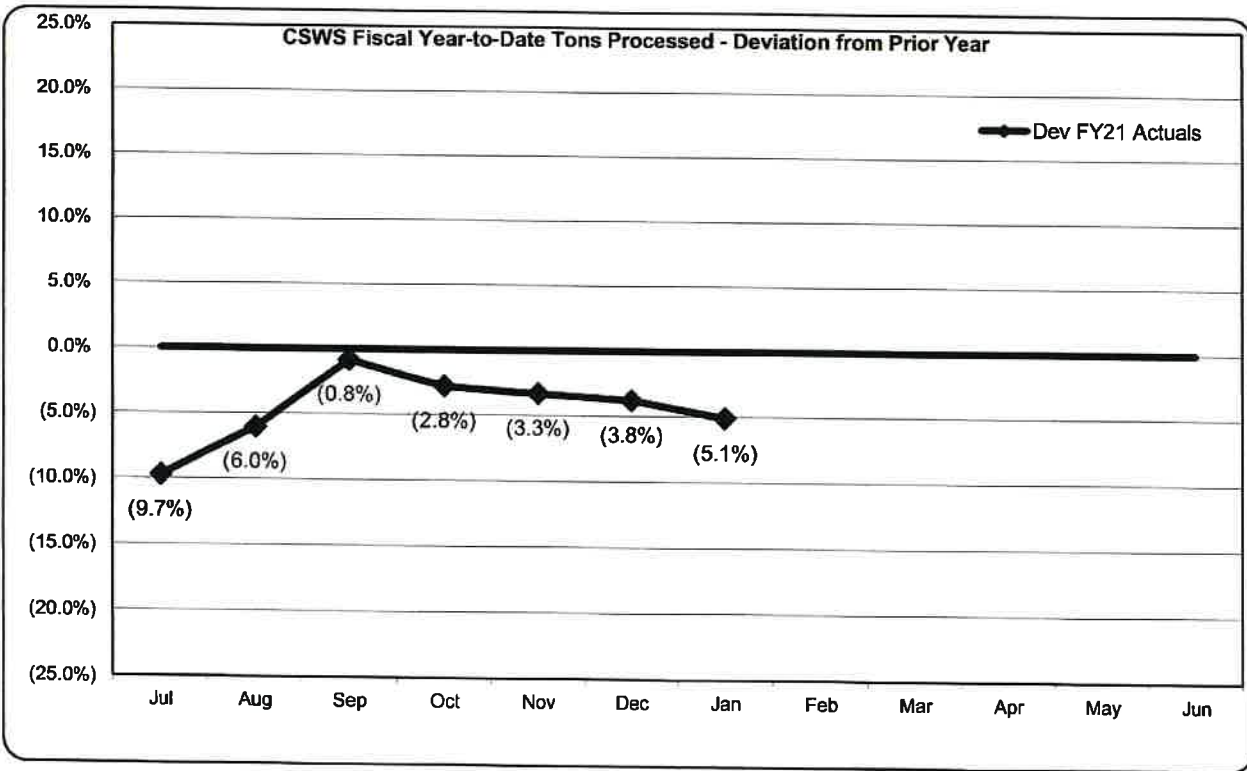
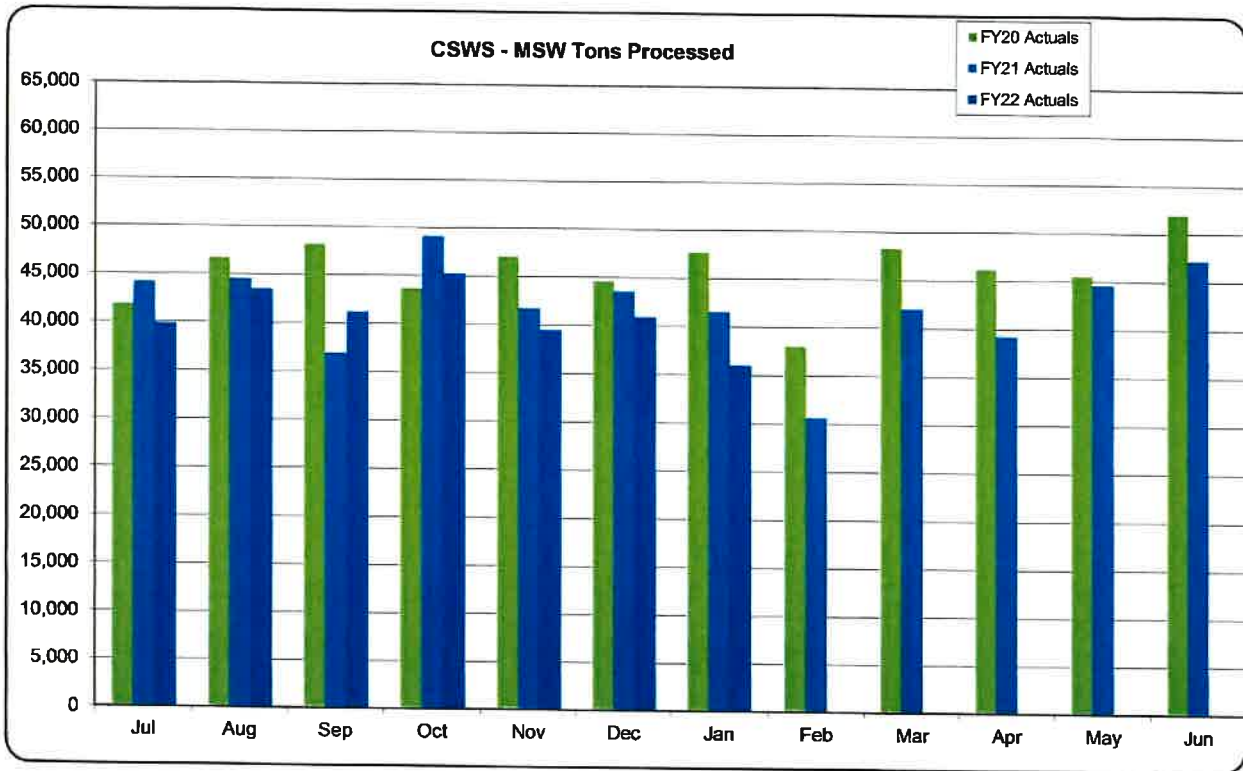
Variance FY 2022	Hartford to Berlin			Base Operating Charge					Managemen Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	1,192.54	-	35,776	(778.6)	-	(63.44)	(63.44)	(327,538)	-	(291,762)
August	(488.14)	-	(14,644)	(576.2)	-	(79.78)	(79.78)	(371,747)	-	(386,391)
September	(448.72)	-	(13,462)	(379.3)	-	(84.29)	(84.29)	(371,246)	-	(384,708)
October	(510.47)	-	(15,314)	(716.8)	-	(82.92)	(82.92)	(393,897)	-	(409,211)
November	(238.08)	-	(7,142)	(147.9)	-	(70.77)	(70.77)	(313,528)	-	(320,670)
December	(588.29)	-	(17,649)	(393.17)	-	(53.37)	(53.37)	(273,786)	-	(291,435)
January	(439.69)	-	(13,191)	(679.07)	-	(49.25)	(49.25)	(251,996)	-	(265,187)
February										
March										
April										
May										
June										
YTD	(1,521)	-	(45,625)	(3,671)	-	68.35	(68.91)	(2,903,740)	-	(2,349,365)

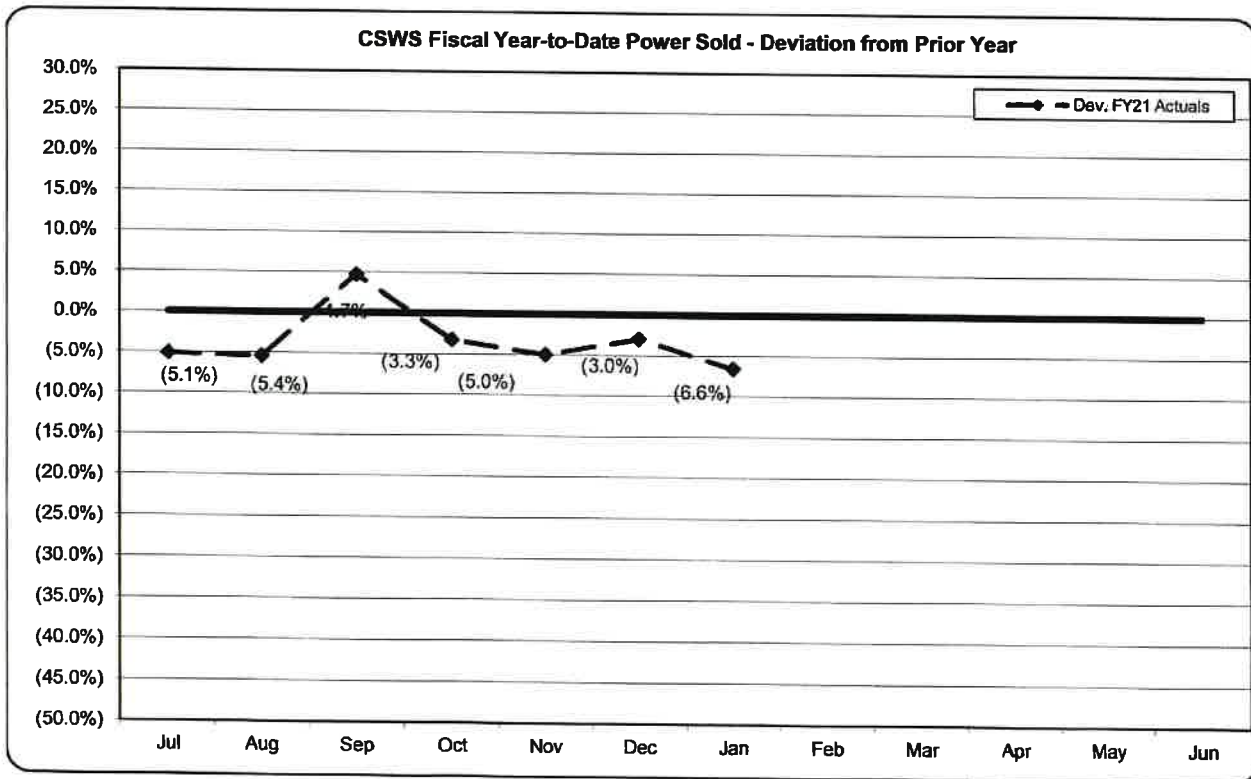
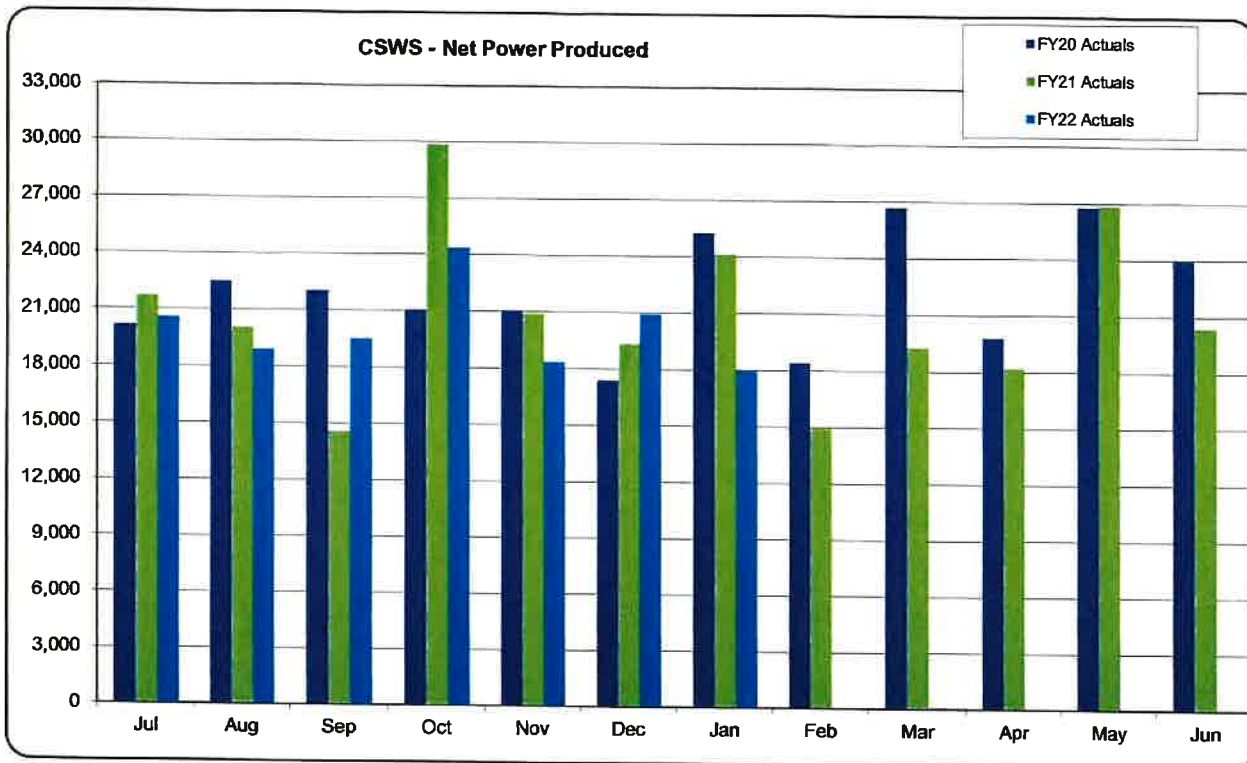
# TAB B

**MATERIALS INNOVATION AND RECYCLING AUTHORITY**  
**Monthly Operational Summary**  
**January-22**

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	Jan 21	Jan 22	Change
<b>CSWS</b>									
Tons MSW Processed	549,717	505,335	(8.1%)	301,523	286,239	(5.1%)	41,518	36,005	(13.3%)
Steam (klbs)	3,264,837	3,096,441	(5.2%)	1,887,280	1,696,685	(10.1%)	281,563	218,126	(22.5%)
(% MCR)	53.8%	51.0%		61.7%	55.4%		54.6%	42.3%	
Power (Net MWh)	272,358	250,166	(8.1%)	150,516	140,610	(6.6%)	24,123	17,965	(25.5%)
<b>South Meadow Jets</b>									
Net MWh	1,616	1,694	4.8%	1,173	1,445	23.2%	0	338	100.0%





## CSWS Waste to Energy Plant Monthly Operational Summary

### Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Jan 22	15%	43%	69%

### 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
11/01/21	11/02/21	11	22.10	TG#5 Steam Stop Valves Repacked
11/06/21	11/06/21	11	1.80	High Water Drum Trip
12/06/21	12/07/21	11	38.90	Large Clunker on "A" Side Grate
01/03/22	01/07/22	11	114.80	Gen. Bank Tube Leaks
01/08/22	01/27/22	11	477.10	Low RDF Inventory
07/01/21	07/04/21	12	84.70	Large Furnace 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
11/01/21	11/29/21	12	672.20	Tube Leak Repairs/Low RDF Inventory
12/20/21	12/20/21	12	0.40	Problems with RDF Auger Screws
01/03/22	01/08/22	12	115.60	RDF Screw Drive Issues
01/23/22	01/31/22	12	201.00	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
11/01/21	11/05/21	13	117.00	RDF Distribution Spout Repairs
11/19/21	11/22/21	13	61.30	Cold Iron Outage to Repair Various Valves
12/02/21	12/04/21	13	39.70	Furnace Waterwall Tube Leaks

### 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
11/18/21	11/24/21	11	153.00	Scheduled Cleaning 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
11/30/21	11/30/21	12	1.00	Scheduled Annual Major Outage
12/01/21	12/17/21	12	404.30	Scheduled Annual Major Outage
08/15/21	08/20/21	13	122.20	Scheduled Cleaning Outage
10/03/21	10/07/21	13	39.70	Scheduled Cleaning Outage
12/18/21	12/31/21	13	336.00	Scheduled Cleaning Outage/ Low RDF Inventory
01/01/22	01/03/22	13	72.00	Low RDF Inventory
01/30/22	01/31/22	13	25.00	Scheduled Cleaning Outage

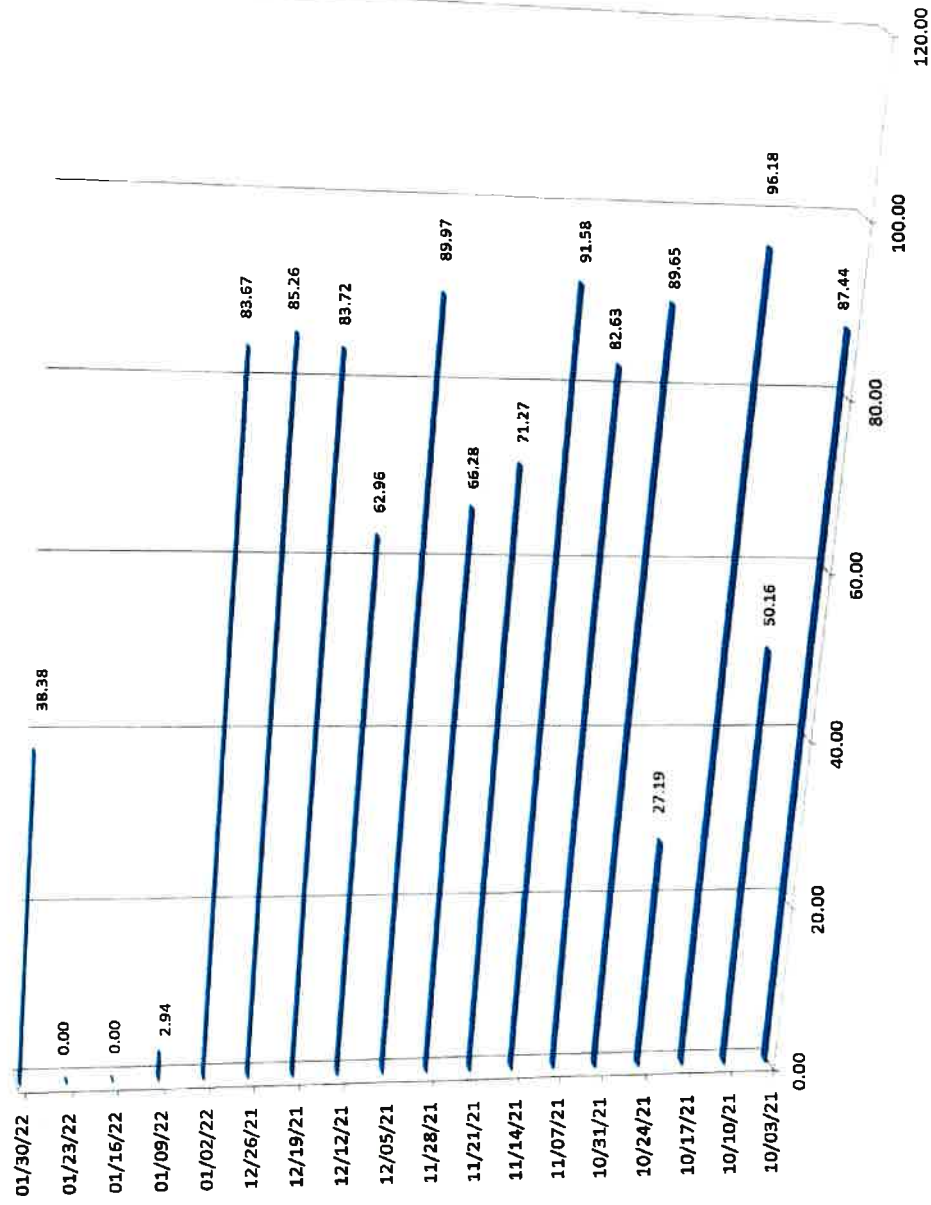
## SOUTH MEADOWS JETS

### 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

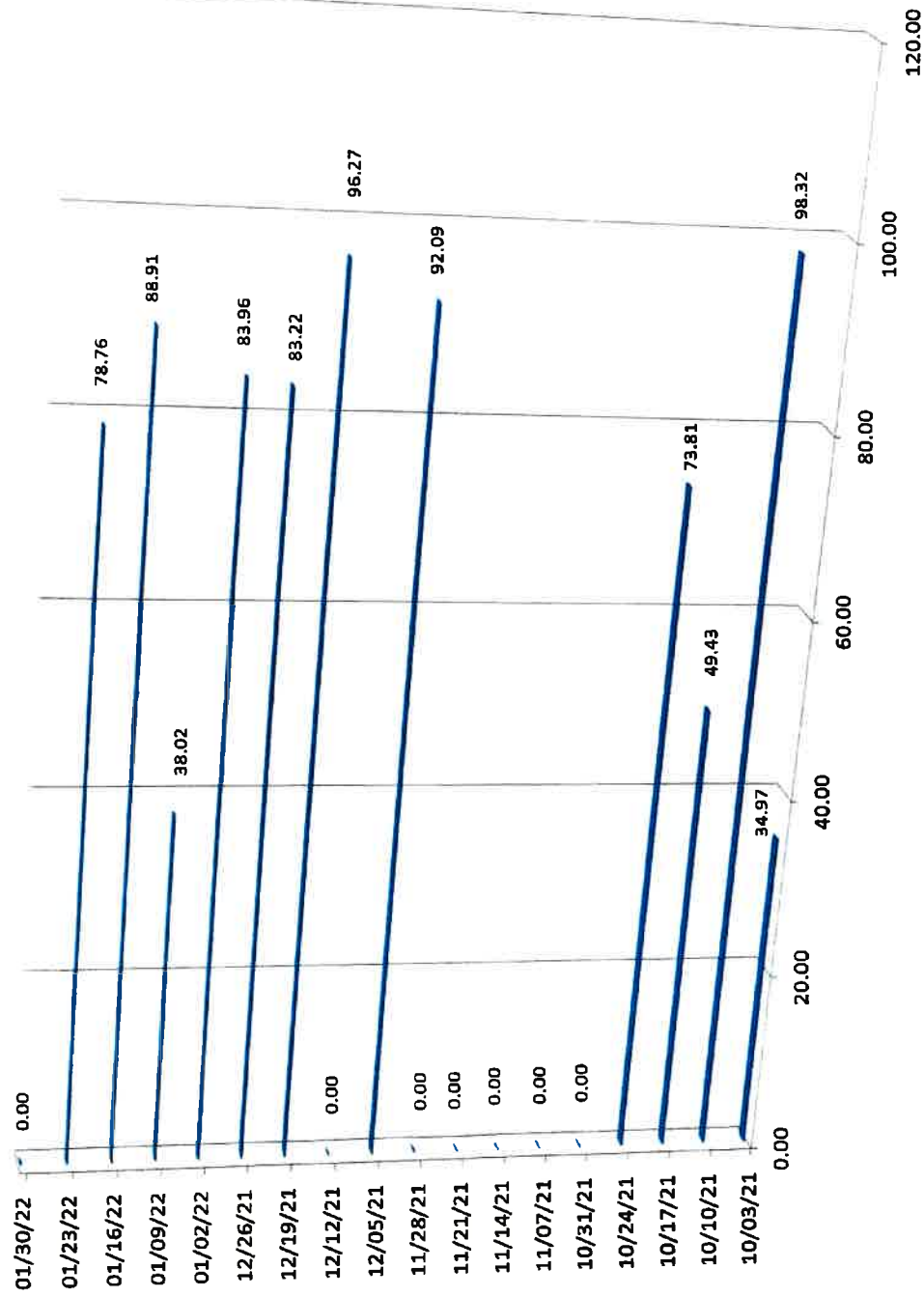


BLR#11 Steam Flow % of Target Steam flow Production

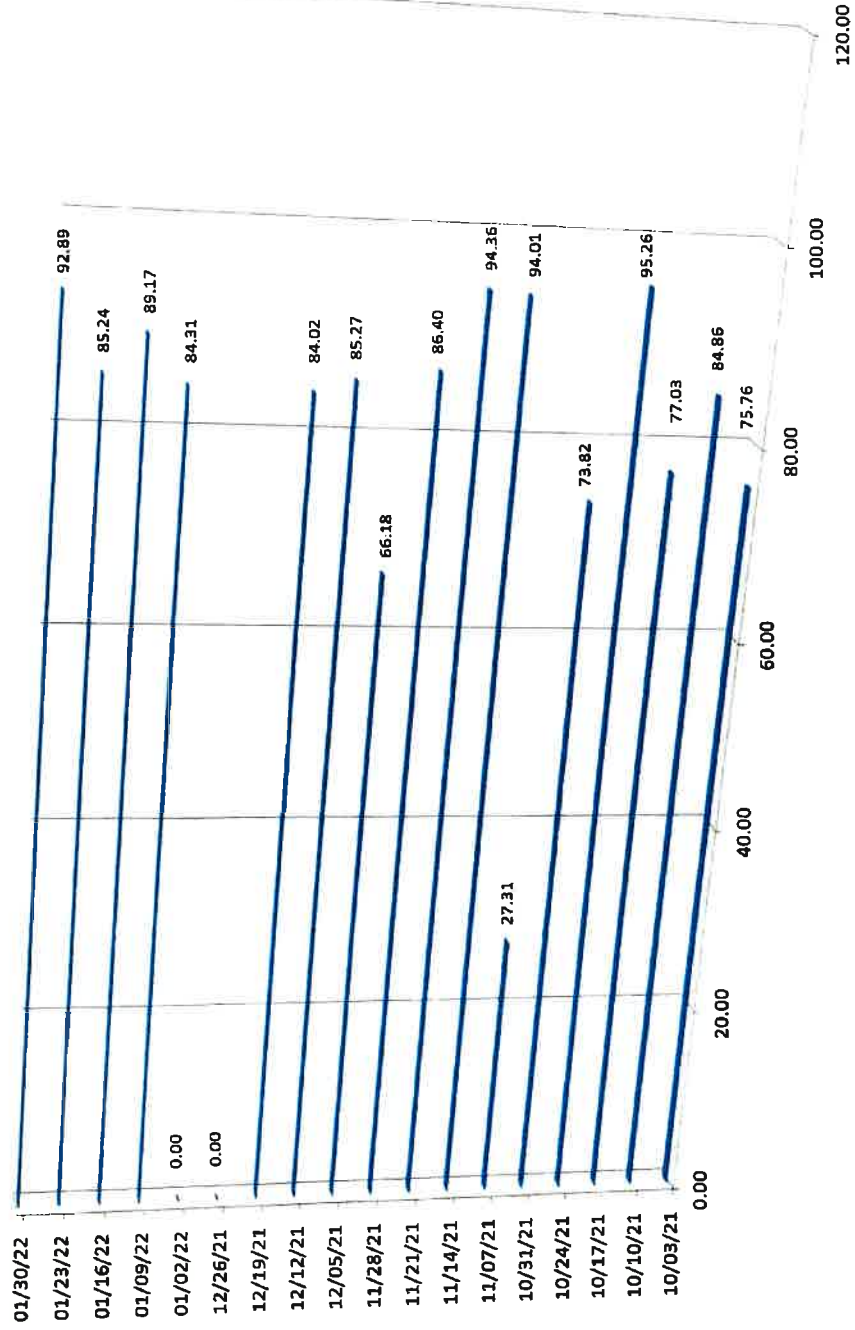




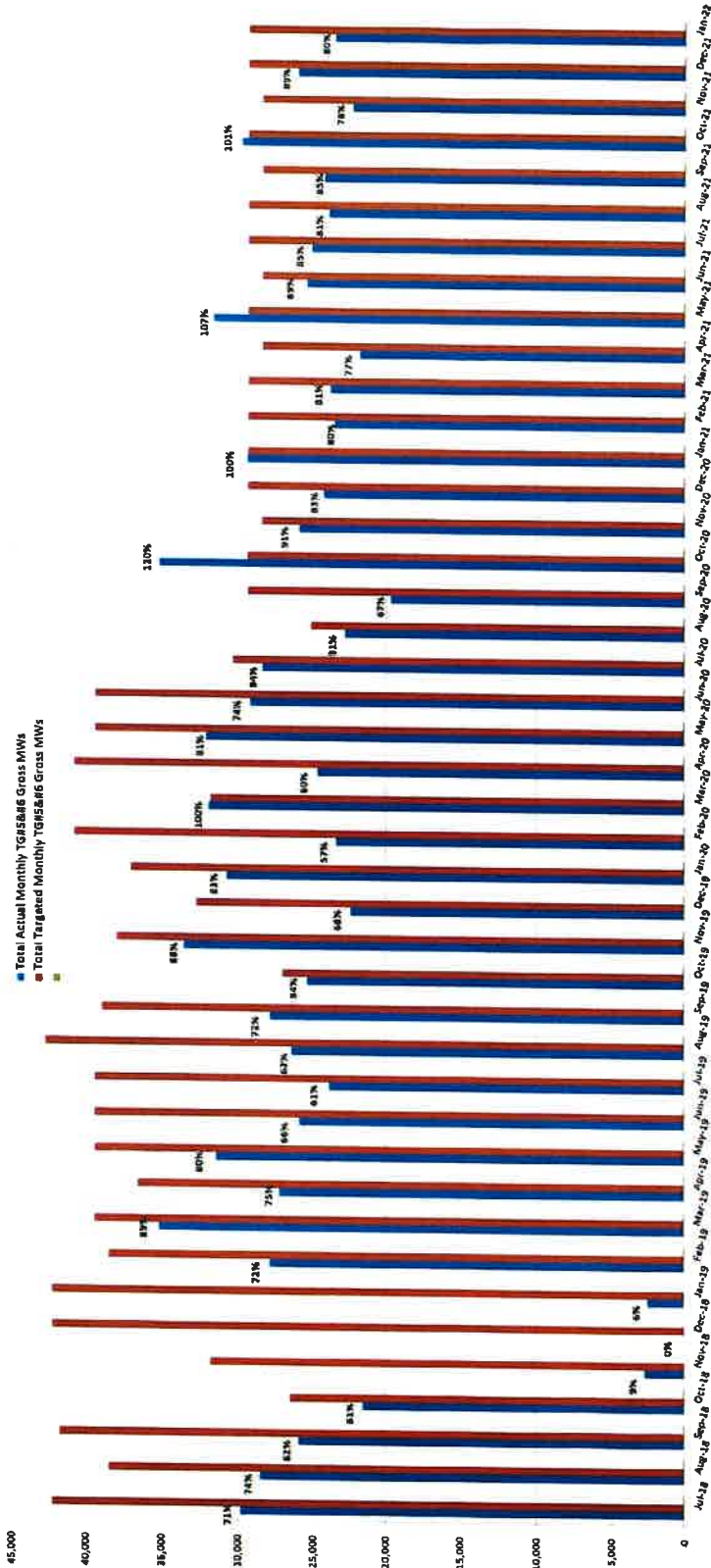
**BLR#12 Steam Flow % of Target Steam flow Production**



BLR#13 Steam Flow % of Target Steam flow Production



Combined Monthly TG&S&M6 Gross MWs - Actual to Targeted



**TAB C**

# MATERIALS INNOVATION AND RECYCLING AUTHORITY

## Monthly Customer MSW and Recyclables Deliveries

January-22

### Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Jan 21	Jan 22	Growth
<b>CSWS MSW</b>									
Tier 1	391,251	400,941	2%	235,479	214,525	(9%)	29,485	26,131	(11%) (1)
Tier 2	13,013	13,580	4%	8,107	7,882	(3%)	1,034	986	(5%) (1)
Non-Processible MSW	2,637	2,946	12%	1,352	1,080	(20%)	128	17	(87%) (1)
Hauler Contract	114,976	64,521	(44%)	45,430	50,863	12%	7,962	6,682	(16%)
Contract (FCR Residue)	11,723	7,736	(34%)	5,688	0	(100%)	835	0	(100%) (1)
Ferrous Residue	6,868	6,502	(5%)	3,893	2,949	(24%)	527	210	(60%)
In-State Spot	0	9,219	-	1,269	5,669	347%	1,269	955	(25%)
Out-of-State Spot	0	27	-	0	0	-	0	0	-
<b>MSW TOTAL</b>	<b>540,468</b>	<b>505,471</b>	<b>(6%)</b>	<b>301,219</b>	<b>282,968</b>	<b>(6%)</b>	<b>41,240</b>	<b>34,982</b>	<b>(18%)</b>

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Jan 21	Jan 22	Growth
<b>CSWS Recyclables</b>									
Tier 1	56,609	54,036	(5%)	32,942	28,311	(14%)	4,283	3,744	(13%) (2)
Hauler Contract	20,474	5,361	(74%)	4,970	652	(87%)	666	109	(84%) (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	-
<b>RECYC. TOTAL</b>	<b>77,083</b>	<b>59,397</b>	<b>(23%)</b>	<b>37,912</b>	<b>28,963</b>	<b>(24%)</b>	<b>4,948</b>	<b>3,853</b>	<b>(22%)</b>

### MSW CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Jan 21	Jan 22	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	-
<b>TOTAL TONNAGE</b>	<b>4,509</b>	<b>0</b>	<b>(100%)</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-</b>

### Recycling CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Jan 21	Jan 22	Growth
CSWS Facility and/or TS	4,122	11,216	172%	2,043	28,946	1317%	0	3,959	-
Re-Directed Material (2)	0	1,650	-	1,650	0	(100%)	0	0	-
<b>TOTAL TONNAGE</b>	<b>4,122</b>	<b>12,866</b>	<b>212%</b>	<b>3,693</b>	<b>28,946</b>	<b>684%</b>	<b>0</b>	<b>3,959</b>	<b>-</b>

(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	Jan 21	Jan 22	Growth
Avon	12,112	12,660	5%	7,461	7,731	4%	978	994	2%
Bethlehem	1,710	1,811	6%	1,081	1,074	(1%)	130	155	19%
Bloomfield	15,811	13,870	(12%)	7,895	9,370	19%	948	1,196	26%
Canaan	474	496	5%	291	296	2%	33	37	12%
Canton	4,637	4,779	3%	2,860	2,880	1%	345	341	(1%)
Clinton	8,193	8,371	2%	4,960	4,688	(5%)	549	512	(7%)
Chester	1,139	1,392	22%	868	701	(19%)	99	77	(22%)
Colebrook	604	595	(1%)	360	391	9%	46	40	(13%)
Cornwall	530	599	13%	361	331	(8%)	50	36	(28%)
Deep River	3,359	3,087	(8%)	1,823	1,862	2%	213	256	20%
Durham/Middlefield	6,634	5,988	(10%)	3,696	2,424	(34%)	473	211	(55%)
East Granby	2,480	2,221	(10%)	1,297	1,413	9%	159	184	16%
East Hartford (2)	27,411	28,425	4%	16,526	0	(100%)	2,066	0	(100%)
East Hampton	6,691	7,017	5%	4,238	3,634	(14%)	537	472	(12%)
Ellington	5,228	5,271	1%	3,145	3,088	(2%)	401	381	(5%)
Essex	2,997	2,640	(12%)	1,514	1,644	9%	168	215	28%
Farmington	13,526	12,866	(5%)	7,538	7,157	(5%)	976	1,024	5%
Glastonbury	18,718	19,725	5%	11,499	11,216	(2%)	1,464	1,266	(14%)
Goshen	1,452	1,543	6%	928	882	(5%)	103	90	(12%)
Granby	4,271	4,416	3%	2,611	2,667	2%	359	341	(5%)
Haddam	3,346	3,495	4%	2,064	2,057	(0%)	259	249	(4%)
Hartford	80,122	84,363	5%	48,293	49,433	2%	6,357	5,915	(7%)
Harwinton	2,017	2,061	2%	1,250	1,261	1%	150	144	(4%)
Killingworth	2,061	1,647	(20%)	989	1,007	2%	112	157	40%
Litchfield	5,264	5,360	2%	3,209	3,257	1%	383	378	(1%)
Lyme	759	798	5%	482	469	(3%)	61	58	(4%)
Marlborough	2,401	2,759	15%	1,616	1,596	(1%)	201	236	18%
Middlebury	2,369	2,504	6%	1,596	1,314	(18%)	216	167	(23%)
Naugatuck	13,281	13,939	5%	8,447	6,677	(21%)	1,037	891	(14%)
Newington	19,499	20,347	4%	11,931	11,819	(1%)	1,516	1,492	(2%)
Norfolk	777	774	(0%)	496	463	(7%)	52	48	(7%)
North Canaan	2,005	2,054	2%	1,237	1,230	(1%)	153	138	(10%)
North Branford (4)	4,996	4,467	(11%)	2,707	0	(100%)	322	0	(100%)
Old Lyme	4,133	4,966	20%	2,891	2,846	(2%)	372	244	(34%)
Old Saybrook	8,742	8,715	(0%)	5,229	5,270	1%	626	617	(1%)
Portland	3,734	4,100	10%	2,425	2,391	(1%)	313	262	(16%)
Rocky Hill	12,171	12,510	3%	7,437	7,582	2%	925	918	(1%)
Roxbury (3)	671	722	8%	449	0	(100%)	53	0	(100%)
RRDD#1	11,082	11,319	2%	6,730	6,580	(2%)	814	731	(10%)
Salisbury/Sharon	3,152	3,508	11%	2,096	1,992	(5%)	251	225	(10%)
Simsbury	11,370	11,315	(0%)	6,730	6,891	2%	851	855	0%
Thomaston	4,299	4,425	3%	2,597	2,727	5%	340	346	2%
Torrington	22,954	23,611	3%	13,918	14,133	2%	1,717	1,669	(3%)
Watertown	11,157	12,005	8%	7,011	6,343	(10%)	880	833	(5%)
Westbrook (1)	2,856	3,010	5%	1,752	2,031	16%	192	316	65%
Wethersfield	14,357	14,380	0%	8,512	9,159	8%	969	1,069	10%
Woodbury	3,699	4,015	9%	2,433	2,553	5%	267	345	30%
TOTAL TIER 1 PART.	391,251	400,941	2%	235,479	214,525	(9%)	29,485	26,131	(11%)

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

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

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

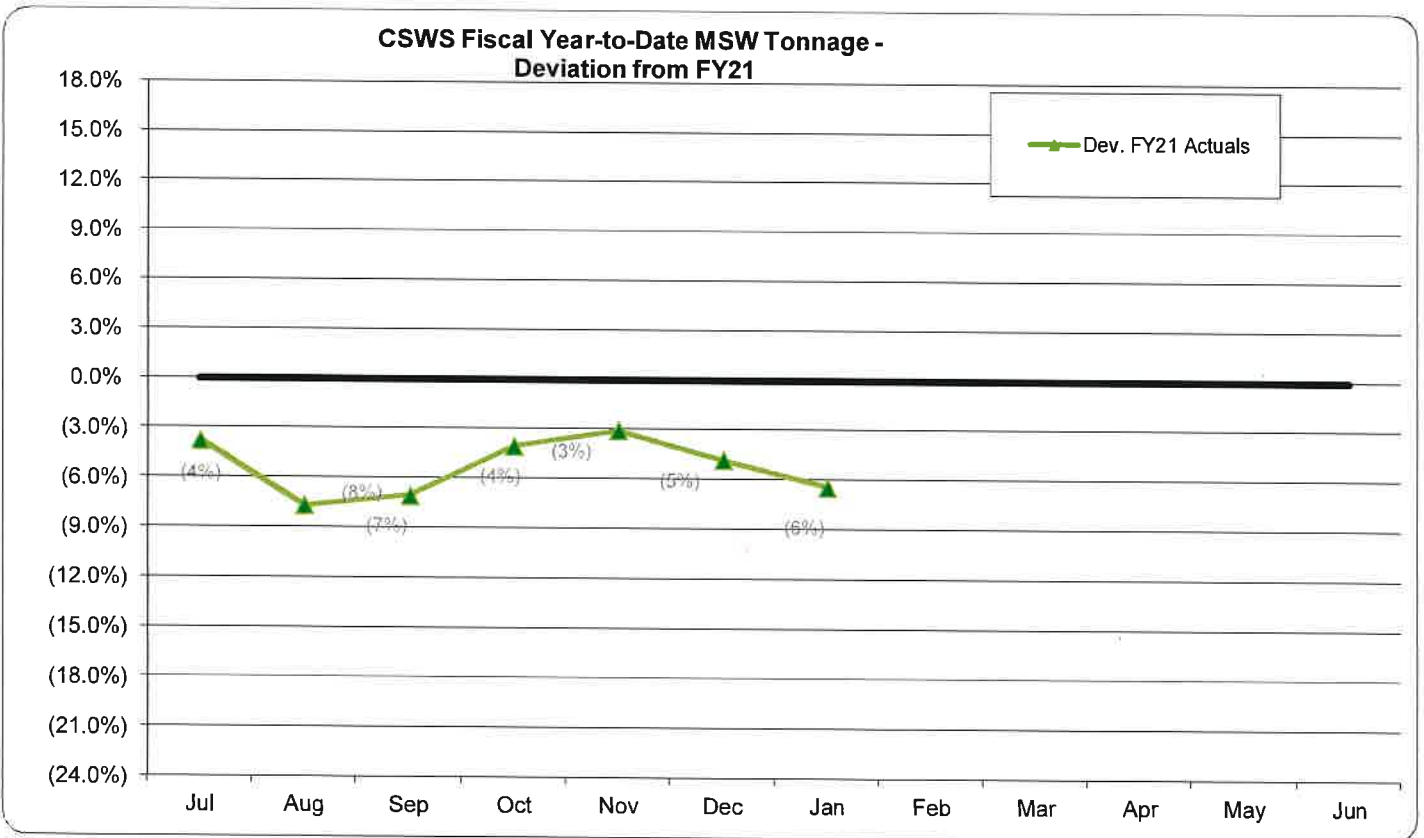
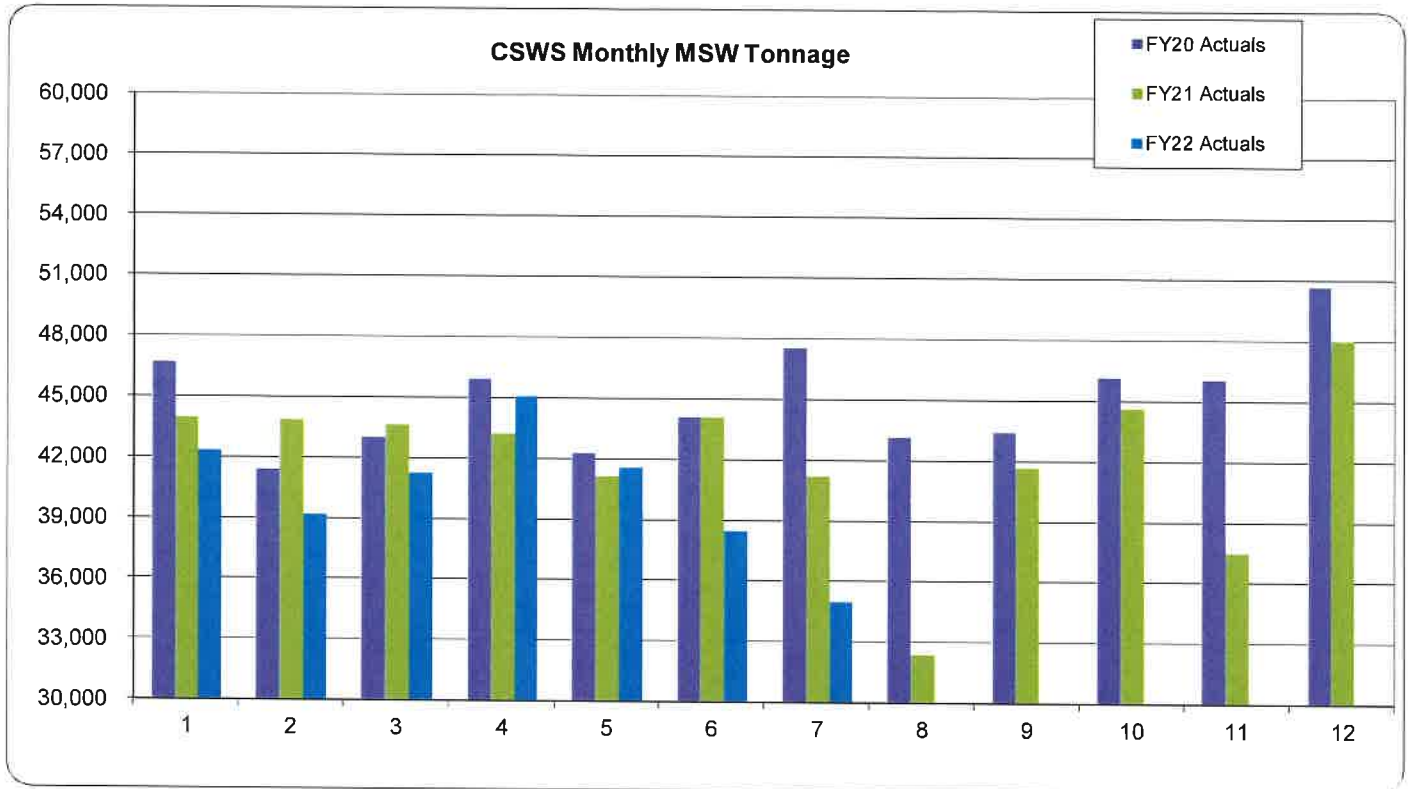
(3) Roxbury- Not a member starting 7/1/2021

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

CSWS Tier 2 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Jan 21	Jan 22	Growth
Manchester	13,013	13,580	4%	8,107	7,882	(3%)	1,034	986	(5%)
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,013	13,580	4%	8,107	7,882	(3%)	1,034	986	(5%)



## 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	Jan 21	Jan 22	Growth
Avon	1,925	2,041	6%	1,201	1,127	(6%)	169	161	(5%)
Bethlehem	367	369	1%	222	180	(19%)	29	32	8%
Bloomfield	1,582	1,568	(1%)	948	937	(1%)	115	119	4%
Canaan	106	204	93%	92	106	15%	13	6	(53%)
Canton	891	920	3%	565	554	(2%)	76	72	(5%)
Chester	328	405	23%	259	200	(23%)	29	22	(25%)
Clinton	1,215	1,029	(15%)	719	400	(44%)	82	75	(9%)
Colebrook	184	206	12%	123	125	2%	18	14	(19%)
Cornwall	174	190	9%	112	96	(14%)	15	14	(7%)
Deep River	400	292	(27%)	168	216	29%	22	39	74%
Durham/Middlefield	933	903	(3%)	571	421	(26%)	71	55	(22%)
East Granby	439	478	9%	280	246	(12%)	42	47	12%
East Hartford (2)	3,461	2,998	(13%)	1,843	0	(100%)	186	0	(100%)
East Hampton	1,028	1,044	2%	619	603	(3%)	72	76	6%
Ellington	1,263	1,290	2%	764	733	(4%)	109	106	(3%)
Essex	828	748	(10%)	460	468	2%	52	72	39%
Farmington	2,221	2,086	(6%)	1,265	1,148	(9%)	175	160	(9%)
Glastonbury	3,493	3,445	(1%)	2,133	1,842	(14%)	306	257	(16%)
Goshen	371	383	3%	232	208	(10%)	29	23	(20%)
Granby	1,296	1,273	(2%)	773	738	(5%)	101	88	(13%)
Haddam	649	672	3%	408	366	(10%)	51	49	(5%)
Hartford	3,826	1,375	(64%)	919	1,256	37%	29	147	404%
Harwinton	476	502	5%	304	282	(7%)	40	35	(12%)
Killingworth	494	462	(6%)	280	238	(15%)	47	40	(15%)
Litchfield	780	837	7%	485	477	(2%)	69	64	(7%)
Lyme	263	290	10%	176	175	(0%)	25	22	(12%)
Marlborough	523	533	2%	327	297	(9%)	45	44	(2%)
Middlebury	898	922	3%	568	503	(12%)	68	71	5%
Naugatuck	2,216	2,249	1%	1,396	1,264	(9%)	190	175	(8%)
Newington	2,481	2,503	1%	1,496	1,408	(6%)	205	183	(11%)
Norfolk	166	167	1%	106	98	(8%)	12	12	(6%)
North Branford (4)	1,210	1,159	(4%)	689	0	(100%)	96	0	(100%)
North Canaan	258	251	(3%)	157	149	(5%)	19	26	33%
Old Lyme	1,256	1,358	8%	840	772	(8%)	94	83	(12%)
Old Saybrook	1,276	1,414	11%	901	809	(10%)	111	90	(19%)
Portland	816	857	5%	522	473	(9%)	76	63	(16%)
Rocky Hill	1,540	1,471	(4%)	887	835	(6%)	131	107	(18%)
Roxbury (3)	232	268	16%	171	0	(100%)	21	0	(100%)
RRDD#1	1,666	1,671	0%	1,003	953	(5%)	149	132	(12%)
Salisbury-Sharon	1,179	1,229	4%	755	696	(8%)	98	78	(21%)
Simsbury	2,602	2,602	0%	1,583	1,493	(6%)	220	194	(11%)
Thomaston	913	881	(3%)	537	559	4%	82	61	(25%)
Torrington	2,785	2,883	4%	1,704	1,658	(3%)	241	206	(14%)
Watertown	1,558	1,634	5%	1,002	923	(8%)	140	138	(2%)
Westbrook (1)	573	503	(12%)	299	317	6%	36	35	(2%)
Wethersfield	2,647	2,575	(3%)	1,539	1,486	(3%)	205	194	(5%)
Woodbury	820	893	9%	543	479	(12%)	72	58	(19%)
<b>TOTAL TIER 1 PART.</b>	<b>56,609</b>	<b>54,036</b>	<b>(5%)</b>	<b>32,942</b>	<b>28,311</b>	<b>(14%)</b>	<b>4,283</b>	<b>3,744</b>	<b>(13%)</b>

(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

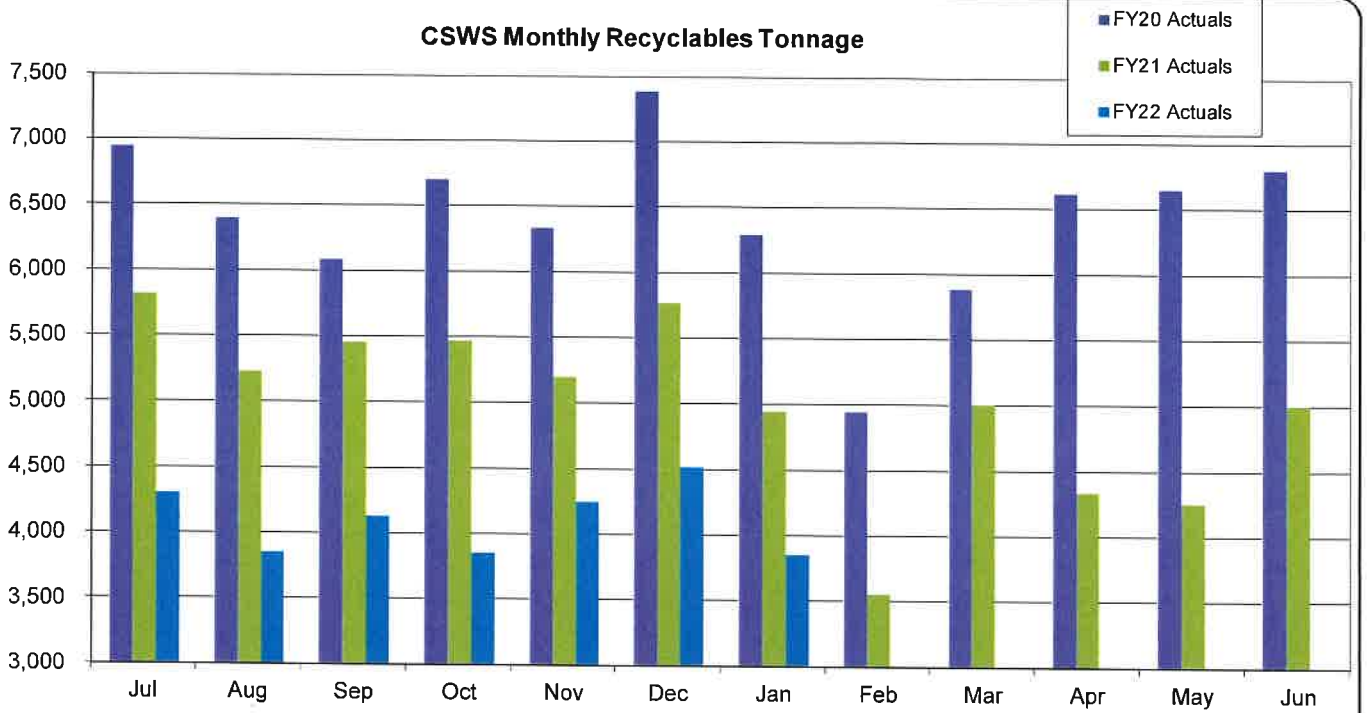
(4) North Branford- Not a Member starting 7/1/21

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

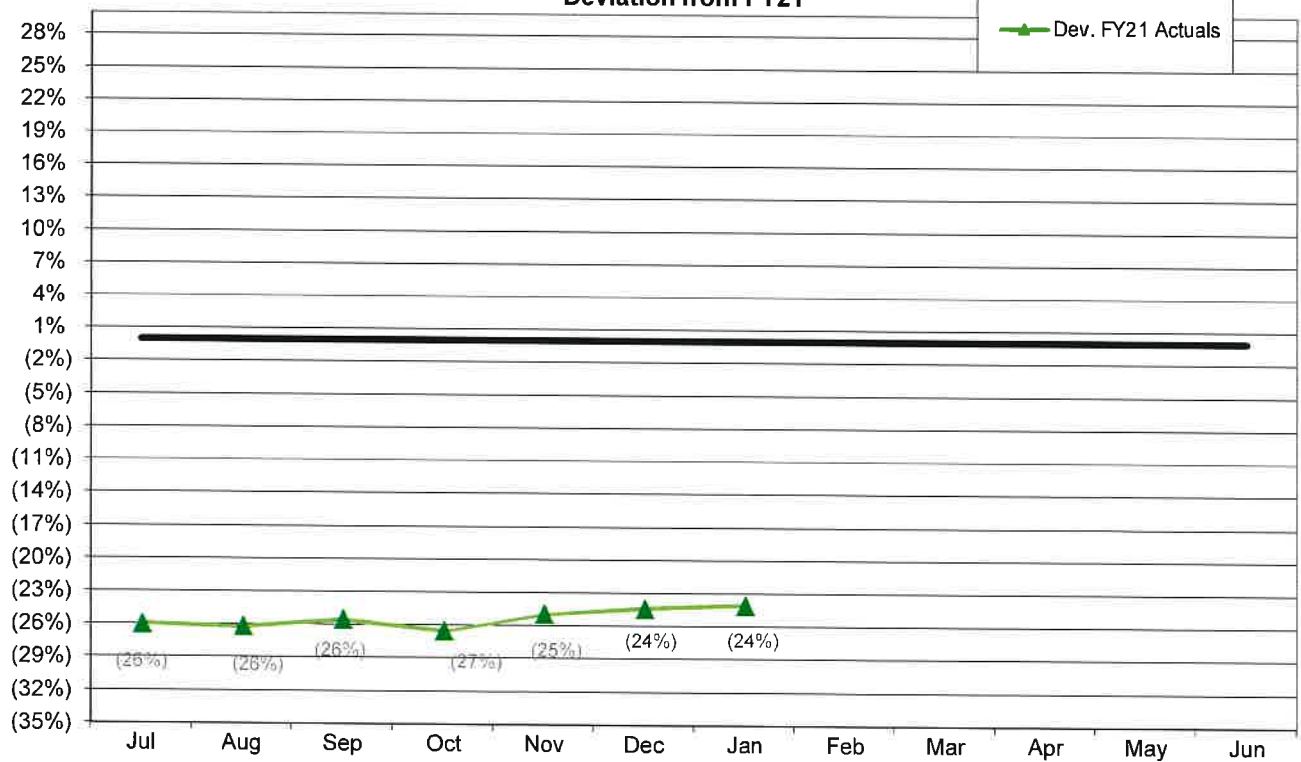
(a) INCLUDES Tons re-directed to Non-MIRA Facility (FY21 Jul, Aug)

## CSWS Recyclables Trends

### CSWS Monthly Recyclables Tonnage



### CSWS Fiscal Year-to-Date Recycling Tonnage - Deviation from FY21



**TAB D**

FISCAL YEAR 2022 LEGAL REQUEST FOR SERVICES

FOR PERIOD ENDING 1/31/22

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								\$ (2,000)	\$ (2,000)
	Ellington									\$ -
<b>Total Cohn Birnbaum &amp; Shea</b>		<b>\$10,000.00</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (2,000)</b>	<b>\$ (2,000)</b>
Day Pitney	NPDES Permitting Support									\$ -
<b>Total Day Pitney</b>		<b>\$0.00</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Halloran & Sage	GC - Authority Budget		PO#14568	25,000	\$ 21,889		\$ 3,111		\$ (7,080)	\$ 17,921
			PO#14826	25,000			\$ 15,957			\$ 15,957
	Property Division		PO#14530	5,000						\$ -
	CSWS		PO#14532	25,000	\$ 25,000				\$ (2,950)	\$ 22,010
			PO#14825	\$75,000	\$ 30,260		\$ 13,500			\$ 43,760
	NAES									\$ -
	NAES - from reserve account		PO#14594	60,000	\$ 82,793		\$ 3,150			\$ 85,943
			PO#14687	300,000						\$ -
	Landfill Division									\$ -
	MidCT		PO#14529	5,000						\$ -
<b>Beginning Halloran &amp; Sage</b>		<b>\$540,000.00</b>		<b>\$ 520,000</b>	<b>\$ 159,942</b>	<b>\$ -</b>	<b>\$ 35,718</b>	<b>\$ -</b>	<b>\$ (10,069)</b>	<b>\$ 185,590</b>
Kainen, Escalera & McHale	Employment		PO#14531	15,000	\$ 6,287	\$ 237			\$ (237)	\$ 6,287
<b>Total Kainen, Escalera &amp; McHale</b>		<b>\$25,000.00</b>		<b>\$ 15,000</b>	<b>\$ 6,287</b>	<b>\$ 237</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (237)</b>	<b>\$ 6,287</b>
Mellick & Porter	Tremont									\$ -
<b>Total Mellick &amp; Porter</b>				<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>TOTALS:</b>		<b>\$575,000.00</b>		<b>\$ 535,000</b>	<b>\$ 166,229</b>	<b>\$ 237</b>	<b>\$ 35,718</b>	<b>\$ -</b>	<b>\$ (12,306)</b>	<b>\$ 189,877</b>

Agrees with Gen ledger

Start new year: Board Resolution	
Cohn Birnbaum Shea	10,000.00
Halloran & Sage	140,000.00
Kainen	25,000.00
	<u>175,000.00</u>
	400,000
	<u>175,000</u>
	<u>\$ 750,000.00</u>

9/22/21 BOD approved \$400,00 for Halloran & Sage  
\$300,00 of which is to be used for NAES litigation and can be taken from CSWS Legal Reserve

2/23/22 BOD approved \$175,000 for Halloran & Sage