



MEMORANDUM

TO: MIRA Board of Directors
FROM: Donald S. Stein, Chairman
DATE: April 21, 2022
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, April 27, 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: 858 2575 3976, and entering Passcode: 017172# 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 March 9, 2022 Regular Board Meeting (*Attachment 1*).
- IV. Review and Approve – Minutes of the March 17, 2022 Special Board Meeting (*Attachment 2*).
- V. 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 (*Attachment 3*); and
- VI. Finance Committee Report
 - a. Review and Approve Resolution Regarding Fiscal Year 2023 CSWS Deficit Funding Under Modified Program of Operations (*Attachment 4*).
 - b. Review and Approve Resolution Regarding Establishing and Funding the Tier 1 Short Term Discount Reserve (*Attachment 5*).

- VII. Policies and Procurement Committee Report
 - a. Review and Approve Spot Waste Solicitations Conducted in January, February and March 2022 (*Attachment 6*).
 - b. Review and Approve Resolution Regarding Transportation and Disposal of Ferrous Material Generated at the Waste Processing Facility (*Attachment 7*).
- VIII. OS & HR Committee Report
- IX. Chairman's and President's Report
 - a. Review and Approve Resolution Regarding an Agreement with Enviro Express Inc. for Operation and Maintenance of the Torrington Transfer Station, and, for Transportation and Disposal of MSW and Recycling from the Torrington Transfer Station (*Attachment 8*).
 - b. Attached Supplemental Information / Other Matters

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND FORTY-ONE

MARCH 9, 2022

A Regular Telephonic (Zoom) Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Wednesday, March 9, 2022. Present via audio or video conferencing were:

Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Bert Hunter
Susan Weisselberg
Leonard Assard
Dave Steuber
Richard Soderman
Luke Bronin (left 11:00 a.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 & Enforcement
Cheryl Kaminsky, Manager of Accounting and Financial Reporting
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 9:34 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 February 23, 2022 Board Meeting.

Chairman Stein requested a motion to accept the minutes of the February 23, 2022 Board meeting. The motion to approve the minutes was made by Director Fortuna and seconded by Director Soderman. Ms. Hunt said that there was a typo in the minutes: the chart showing the roll call vote on the minutes of the January 24, 2022 Board Meeting indicates that Director Mone voted to approve and Director Assard did not vote. As recorded in the text of the vote on those minutes, the reverse was true: Director Assard voted, and Director Mone did not. Ms. Hunt said the correction would be noted in the minutes of this board 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 Steuber, Director Soderman, 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		
Dave Steuber	X		

Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke Bronin	X		

2. Resolution Approving an Agreement with CWPM LLC for Operation and Maintenance of the Essex Transfer Station, and, for Transportation and Disposal of MSW and Recycling from the Essex Transfer Station.

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

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.

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, 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		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke Bronin	X		

3. Resolution Regarding the Replacement of Weigh Scales at MIRA’s Torrington, Watertown, and Essex Transfer Stations.

President Kirk informed the Board that MIRA was not ready to request Board approval of this matter, and would likely be recommending a special board meeting to consider this item in the next week or two. Mr. Egan indicated that he would like to discuss this pending RFP with the Board in Executive Session.

4. Motion to Add an Item Regarding a Consulting Contract with Darren Wright to the Agenda.

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

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, 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		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke Bronin	X		

5. RESOLUTION REGARDING A CONSULTING CONTRACT WITH DARREN WRIGHT FOR BILLING ANALYSIS SERVICES

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

RESOLVED: That the President is hereby authorized to enter into a contract with Darren Wright for customer billing analysis services, 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 Steuber, and Director Soderman 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		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke Bronin			

6. Informational.

Chairman Stein and President Kirk reported on the Environment Committee and the Energy Committee legislative hearings on March 7 and 8 respectively, in which they, Vice-Chairman Hayden, and Director Bronin participated. They said that the Committee members appear to have a good grasp of the urgency of the current solid waste disposal situation, and the necessity for developing a state-wide solution. Mayor Bronin agreed that a true state-wide strategy with funding is required.

President Kirk reported on the operational and financial status of the CSWS for the period ending January 31, 2022, including an update on MIRA’s electric power production and prices.

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 a motion to add discussion of MIRA’s pending RFP for the replacement of weigh scales at MIRA’s transfer stations. The motion was made by Director Hunter, seconded by Director Hayden, and approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Steuber, Director Soderman 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		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke Bronin	X		

Chairman Stein asked Mr. Kirk, Mr. Daley, Mr. Egan, Ms. Hunt, Mr. Gaffey, Mr. Guzowski and Attorney Catino to participate in the discussion. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Steuber, Director Soderman 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		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain

Luke Bronin	X		
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Executive Session began at 10:20 and ended at 11:48. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and adjourned the meeting.

TAB 2

MATERIALS INNOVATION AND RECYCLING AUTHORITY

March 17, 2022

A Special Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Thursday, March 17, 2022. Present via video or audio conferencing were:

Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Bert Hunter
Leonard Assard
Ed Mone
Dave Steuber
Richard Soderman
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
Roger Guzowski, Contract and Procurement Manager
David Bodendorf, Senior Environmental Engineer/Manager of Construction and Power Products

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting to order at 10:03 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. RESOLUTION REGARDING PURCHASE AND INSTALLATION OF LOAD-OUT SHALLOW-PIT TRUCK SCALES AT MIRA’S CSWS TRANSFER STATIONS

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 hereby authorized to execute an agreement with Alpha Scale Co (Secour Enterprises LLC dba Alpha Scale Co) for the purchase of new shallow-pit truck scales at MIRA’s CSWS Transfer Stations, substantially 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 Mone, Director Assard, Director Steuber, Director Soderman, and Director Swarr voted yes.

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

2. RESOLUTION REGARDING AN AGREEMENT FOR DISPOSAL OF MUNICIPAL SOLID WASTE AT COVANTA WASTE TO ENERGY FACILITY(IES)

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

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: 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 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) Demonstrated Experience, v) Reasonableness of Transition and Operating Plans, Environmental Compliance History and Business Exceptions and vi) Operational, Market and Economic Risks; and

WHEREAS: On August 25, 2021 Covanta Sustainable Solutions LLC submitted a proposal to MIRA for the disposal of municipal solid waste at its waste-to-energy facility located in Preston, CT and other designated Covanta waste-to-energy facilities; and

WHEREAS: At its December 20, 2022 meeting MIRA’s Board of Directors directed the President to issue a Notice of Award to Covanta Sustainable Solutions LLC pending the negotiation of final terms and conditions with Covanta Sustainable Solutions LLC of a final contract including but not limited to accepting, rejecting or modifying any business exceptions set forth in the Covanta Sustainable Solutions LLC proposal as determined by the President to be necessary or appropriate, and providing for i) the disposal of municipal solid waste at its Waste to Energy facility located in Preston CT; and

WHEREAS: MIRA staff have completed negotiations with Covanta Sustainable Solutions LLC and finalized terms and conditions of a disposal agreement as summarized on Exhibit A hereto which the President is recommending to the Board that MIRA now execute.

Now therefore be it:

RESOLVED: That the Board of Directors authorizes the President to execute a contract with Covanta Sustainable Solutions LLC for the disposal of municipal solid waste at the Covanta Waste to Energy Facility in Preston CT, or other designated facilities, substantially 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 Mone, Director Assard, Director Steuber, Director Soderman, and Director Swarr voted yes.

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

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

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

Executive Session began at 10:20 and ended at 11:23. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and adjourned the meeting.

TAB 3



**PRESIDENT'S CERTIFICATION CONCERNING
RESPONSES TO REQUESTS FOR BIDS,
PROPOSALS OR QUALIFICATIONS**

As provided by Section 1-210 (b) (24) of the *Connecticut General Statutes* and by execution of this Certification, the President of the Materials Innovation and Recycling Authority ("MIRA") hereby certifies that the public interest in the disclosure of the responses to MIRA's Requests for Proposals for Transportation and Disposal of Municipal Solid Waste at Regional Facilities, Transportation and Disposal of Municipal Solid Waste at Out of State Landfill Facilities, Operation and Optional Acquisition of Jet Turbine Power Electric Generating Units, and Operation, Maintenance and Optional Future Development of CSWS Transfer Facilities (Nos. 22-OE-001, 22-OE-002, 22-OE-003, and 22-OE-004), together with the records and files produced by MIRA related thereto, is outweighed by the public interest in the confidentiality of such responses until a contract resulting from such request for bids or proposals or qualifications is executed or negotiations for the award of such contract have ended, whichever occurs earlier.

Signature: TS Kirk

Name: **Thomas D. Kirk**

Title: **President**

State Of: **Connecticut**

County Of: **Hartford**

Thomas D. Kirk, being fully sworn, deposes and says that he is the President of the Materials Innovation and Recycling Authority, that he has read the forgoing statement concerning disclosure of responses to requests for bids or proposals and qualifications and, under the penalty of perjury, certifies that each and every part of said statement is true.

Sworn to before me this 6th day of April 2022

Laura Hunt
Notary Public/Commissioner of the Superior Court

Commission Expiration Date

TAB 4

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING FISCAL YEAR 2023 CSWS DEFICIT FUNDING UNDER MODIFIED PROGRAM OF OPERATIONS

WHEREAS, at its February 23, 2022 meeting, the MIRA Board of Directors adopted the fiscal year 2023 CSWS Operating and Capital Budgets establishing a Tier 1 Short Term disposal fee of \$111 per ton, a Tier 1 Long Term disposal fee of \$116 per ton, and authorizing the use of income and reserves totaling twelve million, three hundred seventy seven thousand, nine hundred forty three dollars (\$12,377,943) to fund the anticipated CSWS deficit for fiscal year 2023; and

WHEREAS, such adopted budgets were based on assumptions concerning the CSWS Cost of Operation, Non Disposal Fee Revenue and Aggregate Tons of waste delivered by Participating Municipalities which presumed a limited one boiler, one turbine, one year operation of the Waste to Energy Facility; and

WHEREAS, subsequent to the adoption of such budgets, twenty three Tier 1 Long Term CSWS Participating Municipalities representing approximately two hundred ninety eight thousand twenty two (298,022) tons municipal solid waste deliveries opted out of the Municipal Service Agreement which is inconsistent with the adopted budget assumptions and waste delivery requirements for the planned fiscal year 2023 limited operation of the Waste to Energy Facility; and

WHEREAS, such Participating Municipality opt outs necessitate implementation of a modified Program of Operations, and consequently a modified CSWS deficit funding requirement for fiscal year 2023, both substantially in the form discussed and presented at this meeting; and

WHEREAS, the resolution adopting the fiscal year 2023 CSWS operating and capital budgets provided that "In the event that any future approved Program of Operations warrants modification of the Fiscal Year 2023 Materials Innovation and Recycling Authority Connecticut Solid Waste System Operating and Capital 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."

NOW THEREFORE, be it

RESOLVED: the anticipated CSWS deficit for fiscal year 2023 is hereby reduced by \$1,356,089 to a total of \$11,021,854 which shall be funded as follows:

<u>Source</u>	<u>Original Adopted</u>	<u>As Modified</u>
• Use of FY 2023 Property Division Income -	\$ 5,650,000	\$3,811,000
• Use of Current Tip Fee Stabilization Balance -	\$ 1,070,157	\$2,500,000
• Use of CSWS Operating Account-	\$ 5,657,786	\$4,710,854
• Total Deficit Funding -	\$12,377,943	\$11,021,854

FURTHER RESOLVED: that Management shall administratively implement modifications to the fiscal year 2023 Property Division and Connecticut Solid Waste Operating and Capital Budgets necessary to reflect

such modified Program of Operations including i) properly funding Jets contract operating expenses within the Property Division to sustain operations in the absence of Waste to Energy Facility operations, ii) defunding Waste to Energy Facility contract operating expenses to reflect suspension of such operations no later than July 31, 2022, iii) modifying transfer station, transportation and disposal contractor and contingency expenses to reflect suspension of Waste to Energy Facility operations and iv) such changes as necessary to reflect anticipated deliveries of municipal solid waste and single stream recycling.

FURTHER RESOLVED: that Management shall incorporate such administrative budget modifications into the fiscal year 2023 monthly budget spreads to be presented to the MIRA Finance Committee prior to the commencement of fiscal year 2023.

TAB 5

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING ESTABLISHING AND FUNDING THE TIER 1 SHORT TERM DISCOUNT RESERVE

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 February 23, 2022 meeting, the MIRA Board of Directors adopted the fiscal year 2023 CSWS Operating and Capital Budgets establishing a reduced Tier 1 Short Term disposal fee of \$111 per ton to be effective pursuant to the MSA Amendments, a Tier 1 Long Term disposal fee of \$116 per ton, and authorizing the use of income and reserves totaling twelve million, three hundred seventy seven thousand, nine hundred forty three dollars (\$12,377,943) to fund the anticipated CSWS deficit for fiscal year 2023; and

WHEREAS, such anticipated deficit for fiscal year 2023 has been assessed and refunded as necessary pursuant to a fiscal year 2023 modified Program of Operations for the CSWS adopted concurrent with adoption of this resolution; and

WHEREAS, such MSA Amendments further incorporate Projected Tier 1 Short Term Disposal Fees for MIRA's fiscal years 2024 through 2027 together with an annual anticipated Tier 1 Short Term Discount, corresponding Disposal Fee and Opt Out Disposal Fee; and

WHEREAS, the Projected Tier 1 Short Term Disposal Fees included in the MSA Amendments for MIRA's fiscal years 2024 through 2027 rely upon Tier 1 Short Term Discounts, and corresponding use of reserve requirements, totaling twelve million, three hundred thirteen thousand, four hundred twenty two dollars (\$12,313,422) which MIRA now desires to fund and authorize; and

WHEREAS, as of the date of this resolution, eighteen CSWS Participating Municipalities representing approximately forty four thousand two hundred (44,200) tons of municipal solid waste and eight thousand five hundred (8,500) tons of single stream recycling deliveries have executed MSA Amendments while seven CSWS Participating Municipalities representing approximately twenty four thousand five hundred (24,500) tons of municipal solid waste and four thousand nine hundred (4,900) tons of single stream recycling deliveries have not opted out of the Municipal Service Agreement or executed MSA Amendments; and

WHEREAS, such CSWS Participating Municipalities that have not opted out of the Municipal Service Agreement or executed MSA Amendments shall continue to have the opportunity to execute such MSA Amendments; and

WHEREAS, MIRA desires to fund and authorize such Tier 1 Short Term Discounts through use of existing reserves in the amount of ten million, seven hundred thirteen thousand, and four hundred thirteen dollars (\$10,713,413) and through annual income from its Property Division and Landfill Division totaling one million six hundred thousand dollars (\$1,600,000) for fiscal years 2024 through 2027; and

WHEREAS, MIRA further desires to provide and plan for potential modifications to its funding and authorization of the use of reserves associated with the MSA Amendment projection which may be necessitated by a modified Program of Operations for fiscal years 2024 through 2027.

NOW THEREFORE, be it

RESOLVED: Management is authorized to establish a Tier 1 Short Term Discount Reserve (“Discount Reserve”) within the State Treasurer’s Short Term Investment Fund and to transfer ten million, seven hundred thirteen thousand, four hundred thirteen dollars (\$10,713,413) into such Discount Reserve from the following sources:

1. \$1,891,460 from MIRA’s Landfill Operating Account;
2. \$1,302,947 from MIRA’s Property Division Operating Account; and
3. \$7,519,006 from MIRA’s Property Division General Fund.

FURTHER RESOLVED: Management shall annually transfer the sum of \$400,000 from the Property Division and Landfill Division Operating Accounts to such Discount Reserve and such sums shall be incorporated into the annual Property Division and Landfill Division Operating and Capital budgets.

FURTHER RESOLVED: Management shall annually transfer the following sums from the Discount Reserve to the CSWS Tip Fee Stabilization Fund and such sums shall be available for incorporation into the annual CSWS Operating and Capital Budgets as the Tier 1 Short Term Discount in determining the Tier 1 Short Term Disposal Fee:

1. \$3,730,946 for Fiscal Year 2024
2. \$3,292,219 for Fiscal year 2025
3. \$2,661,183 for Fiscal year 2026
4. \$2,629,074 for Fiscal year 2027

FURTHER RESOLVED: as part of developing the CSWS budget, Management shall annually update its Projected Tier 1 Short Term Disposal Fees through MIRA’s fiscal year 2027 and recommend such changes to the Discount Reserved warranted by such update.

TAB 6

**RESOLUTION REGARDING MARKET DRIVEN SALES OF SPOT
WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE
FOR THE CONNECTICUT SOLID WASTE SYSTEM RESOURCES
RECOVERY FACILITY DURING SEVERAL FUEL SHORTAGE
PERIODS**

RESOLVED: That the President is hereby authorized to select Spot Waste delivery offers that are responsive to the needs of the CSWS resources recovery facility during Fuel Shortage Periods in accordance with Internal Management Procedure No. 140 to ensure the desired optimal operation of the facility, substantially as discussed and presented at this meeting, and;

FURTHER RESOLVED: that the President is authorized to select three Spot Waste delivery offers from Paine's Inc. for delivery of MSW to the CSWS Resources Recovery Facility; and,

FURTHER RESOLVED: that the President is authorized to select one Spot Waste delivery offers from CWPM LLC for delivery of MSW to the CSWS Resources Recovery Facility; and,

FURTHER RESOLVED: that the President is authorized to select three Spot Waste delivery offers from A J Waste Systems LLC for delivery of MSW to the CSWS Resources Recovery Facility; and,

FURTHER RESOLVED: that the President is authorized to select three Spot Waste delivery offers from John's Refuse and Recycling LLC for delivery of MSW to the CSWS Resources Recovery Facility; and,

FURTHER RESOLVED: that the President is authorized to select two Spot Waste delivery offers from HQ Dumpsters and Recycling LLC for delivery of MSW to the CSWS Resources Recovery Facility; and,

FURTHER RESOLVED: that the President is authorized to select three Spot Waste delivery offers from Casella Waste Services of Massachusetts, Inc. for delivery of MSW to the CSWS Resources Recovery Facility; and,

FURTHER RESOLVED: that the President is authorized to select one Spot Waste delivery offer from Willimantic Waste Paper Co., Inc. for delivery of MSW to the CSWS Resources Recovery Facility, substantially as presented and discussed at this meeting.

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	Paine's Inc.
Effective date:	January 31, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 1,175 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (3 separate bids):	January 31, 2022 to February 26, 2022; February 28, 2022 to April 2, 2022; April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$82,883. (279.5 tons @ \$70.50 per ton; 329.15 tons @ \$70.50/ton; and approximately 567 tons @ \$70.50 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 1,175 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries at any time at its sole discretion

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	CWPM LLC.
Effective date:	April 4, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 5,400 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term:	April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$359,100. (Approximately 5,400 tons @ \$66.50 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 5,400 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries at any time at its sole discretion

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	A J Waste Systems LLC
Effective date:	January 31, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 3,710 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (3 separate bids):	January 31, 2022 to February 26, 2022; February 28, 2022 to April 2, 2022; April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$241,212. (760.08 tons @ \$65.00 per ton; 1,150.88 tons @ \$65.00/ton; and approximately 1,800 tons @ \$65.00 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 3,710 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries at any time at its sole discretion

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	John's Refuse and Recycling LLC
Effective date:	January 31, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 2,354 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (3 separate bids):	January 31, 2022 to February 26, 2022; February 28, 2022 to April 2, 2022; April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$155,565. (42.78 tons @ \$70.00 per ton; 1,186.68 tons @ \$66.00 per ton; and approximately 1,125 tons at \$66.00 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 2,354 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries at any time at its sole discretion

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	HQ Dumpsters and Recycling LLC
Effective date:	February 28, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 4,140 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (2 separate bids):	February 28, 2022 to April 2, 2022; April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$271,839. (1,439.54 tons @ \$65.01 per ton; and approximately 2,700 tons at \$66.02 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 4,140 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries at any time at its sole discretion

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	Casella Waste Services of Massachusetts, Inc.
Effective date:	January 31, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 2,190 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (3 separate bids):	January 31, 2022 to February 26, 2022; February 28, 2022 to April 2, 2022; April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$142,478. (246.82 tons @ \$65.00 per ton; 595.15 tons @ \$65.00 per ton; and approximately 1,350 tons @ \$65.00 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 2,190 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries any time at its sole discretion

Materials Innovation & Recycling Authority

Summary for: MARKET DRIVEN SALE OF SPOT WASTE DISPOSAL CAPACITY FOR MUNICIPAL SOLID WASTE FOR THE CSWS DURING FUEL SHORTAGE PERIODS

Presented to the MIRA Board on:	April 27, 2022
Vendor/ Contractor(s):	Willimantic Waste Paper Co., Inc.
Effective date:	April 4, 2022
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 3,600 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term:	April 4, 2022 to June 4, 2022.
Contract Dollar Value:	Approximately \$234,000 (Approximately 3,600 tons @ \$65.00 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 3,600 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	MIRA can terminate deliveries at any time at its sole discretion

Materials Innovation & Recycling Authority

Market Driven Sale of Spot Waste Disposal Capacity for Municipal Solid Waste for the CSWS

April 27, 2022

Executive Summary

Due to low MSW inventory levels at the CSWS Resource Recovery Facility (RRF) in February, March, April and May 2022, and forecasted deliveries of MSW that were considered insufficient for the desired optimal operation of the RRF, particularly considering the elevated prices in the New England wholesale electric power market available during February and March, and the need to have sufficient fuel to operate two rather than one boiler, MIRA has recently conducted several Spot Disposal Capacity Solicitation and Sale initiatives in accordance with Internal Management Procedure No. 140 (Spot Waste Procedure).

This Spot Disposal Capacity Solicitation and Sale was conducted in accordance with Section 5.11 (Market Driven Purchases and Sales) of MIRA's Procurement Policies and Procedures. This is to report to the Board of Directors this market driven sale of capacity, and to receive Board approval for the transaction since the total amount of revenue has exceeded \$50,000.

Discussion

January 25th 2022 Solicitation

Considering the MSW inventory at the WPF in January 2022 and the forecasted need for additional MSW to insure optimal operation of the PBF, and in light of the very favorable day-ahead wholesale electric power prices, MIRA solicited for 1,500 tons per week of spot waste on January 25, 2022 for a period of four weeks to begin January 31, 2022. MIRA set a price floor of \$65.00 per ton. MIRA emailed all known potential customers a solicitation for Spot Waste in accordance with the Spot Waste Procedure and received the offers shown in Table 1.

MIRA's Spot Waste Evaluation Team reviewed the responses to the solicitation and made a recommendation to MIRA's President that MIRA accept the tonnage and price offered by all four respondents. MIRA's President agreed with the recommendation of the Evaluation Team and all four offers were accepted.

MIRA accepted a total of 1,329.18 tons of Spot Waste during this period. Table 1 shows the hauler, the number of tons per week offered, each hauler's offer price, and the actual quantity of tons delivered by each hauler during the four week period.

TABLE 1			
Market Driven Sale – Spot Waste Capacity January 25, 2022 Solicitation Results			
Customer	Quantity Offered	Price per Ton	Total Tons Delivered
Paine’s	63 tons per week – 4 weeks	\$70.50	279.50
AJ’s Waste Systems	200 Tons per week – 4 weeks	\$65.00	760.08
John’s Refuse	125 tons per week – 4 weeks	\$70.00	42.78
Casella of Mass	150 Tons per week – 4 weeks	\$65.00	246.82

February 22nd 2022 Solicitation

Again, considering the MSW inventory at the WPF in February and the forecasted need for additional MSW to insure optimal operation of the PBF, and in light of the day-ahead wholesale electric power prices that continued to be favorable, MIRA solicited for 1,500 tons per week of spot waste on February 22, 2022 for a period of four weeks to begin February 28, 2022. MIRA set a price floor of \$65.00 per ton. MIRA emailed all known potential customers a solicitation for Spot Waste in accordance with the Spot Waste Procedure and received the offers shown in Table 2.

MIRA’s Spot Waste Evaluation Team reviewed the responses to the solicitation and made a recommendation to MIRA’s President that MIRA accept all of the offers by all respondents to the solicitation. MIRA’s President agreed with the recommendation of the Evaluation Team and all offers were accepted.

MIRA accepted all spot waste offers for a total of 4,701.40 tons during this period. Table 2 shows the hauler, the number of tons per week offered, each hauler’s offer price, and the actual quantity of tons delivered by each hauler during the period.

TABLE 2			
Market Driven Sale - Spot Waste Capacity February 22, 2022 Solicitation Results			
Customer	Quantity Offered	Price per Ton	Total Tons Delivered
Paine’s	63 Tons per week – 4 weeks	\$70.50	329.15
AJ’s Waste Systems	200 Tons per week – 4 weeks	\$65.00	1,150.88
John’s Refuse	125 Tons per week – 4 weeks	\$66.00	1,186.68
HQ Dumpsters	300 Tons per week – 4 weeks	\$65.01	1,439.54
Casella of Mass	150 Tons per week – 4 weeks	\$65.00	595.15

March 17th 2022 Solicitation

Again, considering the MSW inventory at the WPF in March and the forecasted need for additional MSW to insure optimal operation of the PBF, and in light of the day-ahead wholesale electric power prices that continued to be favorable, MIRA solicited for 1,500 tons per week of spot waste on March 17, 2022 for a period of nine weeks to begin April 4, 2022. MIRA set a price floor of \$65.00 per ton. MIRA emailed all known potential customers a solicitation for Spot Waste in accordance with the Spot Waste Procedure and received the offers shown in Table 3.

MIRA's Spot Waste Evaluation Team reviewed the responses to the solicitation and made a recommendation to MIRA's President that MIRA accept all of the offers by all respondents to the solicitation. Although the total of tonnage offered (1,838) exceeded the quantity for which MIRA had solicited, the Evaluation Team determined that accepting the additional 338 tons per week would be a benefit to operation of the RRF. The President agreed with the recommendation of the Evaluation Team and all offers were accepted.

MIRA accepted all spot waste offers for a total of approximately 16,542 tons during the nine week period. Table 3 shows the hauler, the number of tons per week offered, each hauler's offer price, and the projected total tonnage amount for the period.

TABLE 3			
Market Driven Sale - Spot Waste Capacity			
March 17, 2022 Solicitation Results			
Customer	Quantity Offered	Price per Ton	Total Tons Offered
Paine's	63 Tons per week – 9 weeks	\$70.50	567
AJ's Waste Systems	200 Tons per week – 9 weeks	\$65.00	1,800
John's Refuse	125 Tons per week – 9 weeks	\$66.00	1,125
HQ Dumpsters	300 Tons per week – 9 weeks	\$66.02	2,700
CWPM	600 Tons per week – 9 weeks	\$66.50	5,400
Casella of Mass	150 Tons per week – 9 weeks	\$65.00	1,350
Willimantic Waste	400 Tons per week – 9 weeks	\$65.00	3,600

Financial Summary

January 25th 2022 Solicitation

The total revenue generated for acceptance of the tonnage and pricing shown in Table 1 was \$88,147.85.

February 22, 2022 Solicitation

The total revenue generated for acceptance of the tonnage and pricing shown in Table 2 was \$308,602.41.

March 17, 2022 Solicitation

The total revenue projected to be generated for the spot waste offers received from the March 17, 2022 solicitation, as shown in Table 3, is expected to be approximately \$1,090,328.

TAB 7

**RESOLUTION REGARDING MARKET DRIVEN PURCHASE OF
TRANSPORTATION AND DISPOSAL SERVICES FOR PRE-
COMBUSTION FERROUS METAL**

RESOLVED: that the President is authorized to enter into a market driven purchase of transportation and disposal services with Austin Environmental Corp for the pre-combustion ferrous metal that is generated at the CSWS Waste Processing Facility.

Materials Innovation & Recycling Authority

Summary for Market Driven Purchase Of Transportation and Disposal Services for Pre-Combustion Ferrous Metal

Presented to the MIRA Board on: April 27, 2022

Vendor/ Contractor(s): Austin Environmental Corp

Effective date: December 6, 2021
and
March 15, 2022

Contract Type/Subject matter: Market Driven Purchase of transportation and disposal services for management of the pre-combustion ferrous metal that is generated at the MIRA Waste Processing Facility in Hartford

Facility Affected: Waste Processing Facility

Term: December 6, 2021 to December 13, 2021
and
March 11, 2022 to March 22, 2022

Contract Dollar Value: December 2021 Contract: \$48,902.20
(514.76 tons @ \$95.00 per ton)

March 2022 Contract: \$40,503.00
(405.03 tons @ \$100.00 per ton)

Scope of Services: Transportation and disposal of pre-combustion ferrous metal from MIRA's Waste Processing Facility

Other Pertinent Provisions: This is a "Market Driven Purchase" in accordance with Section 5.11 (Market Driven Purchases and Sales) of MIRA's Procurement Policies and Procedures

Materials Innovation & Recycling Authority

Market Driven Purchase Of Transportation and Disposal Services for Pre-Combustion Ferrous Metal

April 27, 2022

Executive Summary

MIRA recently conducted two solicitations in order to contract for transportation and disposal services to manage the pre-combustion ferrous metal that is generated at MIRA's Waste Processing Facility during periods of time when the usual vendor, Covanta Metals Marketing, LLC was unable to accept the material due to operational issues at its SEMass facility in Rochester, Massachusetts.

This Solicitation for Transportation and Disposal of the pre-combustion ferrous metal was conducted in accordance with Section 5.11 (Market Driven Purchases and Sales) of MIRA's Procurement Policies and Procedures. This is to report to the Board of Directors these two market driven purchase transactions, and to receive Board approval for the transactions since the total amount of revenue has exceeded \$50,000.

Discussion

As a byproduct of processing municipal solid waste into refuse-derived fuel ("RDF"), MIRA's Waste Processing Facility ("WPF") currently generates a pre-combustion ferrous/MSW mix ("PCFM"). The PCFM contains approximately 60% ferrous metal and 40% MSW by weight. The ferrous metal is removed at the WPF in order to 1) recover the ferrous material, and 2) to protect the WPF shredding equipment and the Power Block Facility ("PBF") processing equipment from damage which could occur as the pieces of metal pass through the WPF, or as the RDF is conveyed to the combustion boilers at the PBF.

MIRA currently has an agreement with Covanta Metals Marketing, LLC (Covanta) to transport and process the PCFM at its SEMass facility located in Rochester, MA. The SEMass facility is a waste-to-energy facility that also utilizes enhanced metals processing and separation equipment which enables Covanta to further separate the ferrous metal from the entrained garbage for sale into the scrap ferrous metal market. The agreement with Covanta has a base term of one year (through June 30, 2022), with five (5) additional one (1) year extension periods.

The Agreement with Covanta allows Covanta to refuse acceptance of the PCFM Mix in the event that its SEMass facility experiences operational issues or problems. When this occurs, Covanta notifies MIRA and MIRA must identify alternative transportation and disposal options until the SEMass facility can resume accepting the material.

December 2021 Solicitation

In early December 2021 Covanta notified MIRA that it was experiencing an operational problem that prevented it from continuing to accept MIRA’s PCFM. MIRA immediately undertook a solicitation for transportation and disposal services to provide for continued management of the PCFM in accordance with Section 5.11 (Market Driven Purchases and Sales) of MIRA’s Procurement Policies and Procedures.

MIRA solicited pricing from three companies for management of the PCFM. The results of the solicitation are included in Table 1.

Supplier		Quoted Price
1.	Austin Environmental Corp	\$95/ton (transportation and disposal)
2.	Murphy Road Recycling LLC	\$200 per load transportation, plus \$102/ton disposal
3.	Casella – can accept on temporary basis for disposal at their transfer station in Holyoke, MA, but cannot provide transportation at this time.	\$135/ton (disposal only)

MIRA contracted with the low bidder, Austin Environmental Corp, for transportation and disposal services of the PCFM. Austin Environmental Corp transported 514.76 tons at a cost of \$95.00 per ton. The material was transported to the Keystone Landfill located in Dunmore, PA.

March 2022 Solicitation

During March 2022 Covanta experienced another operational problem that prevented it from accepting MIRA’s PCFM. Again, MIRA undertook a solicitation for transportation and disposal services to provide for continued management of the PCFM in accordance with Section 5.11 (Market Driven Purchases and Sales) of MIRA’s Procurement Policies and Procedures.

MIRA solicited pricing from five companies for management of the PCFM. The results of the solicitation are included in Table 2.

Supplier		Quoted Price
1.	Austin Environmental Corp	\$100/ton (transportation and disposal)
2.	Enviro Express, Inc.	\$119.66/ton (transportation and disposal)
3.	Murphy Road Recycling LLC	Did not respond by deadline
4.	CWPM LLC	Did not respond
5.	Voyager	Did not respond

MIRA contracted with the low bidder, Austin Environmental Corp, for transportation and disposal services of the PCFM. Austin Environmental Corp transported 405.03 tons at a cost of \$100.00 per ton. The material was transported to the Keystone Landfill located in Dunmore, PA.

Financial Summary

MIRA included sufficient funds in its FY 2022 budget for these expenses.

TAB 8

**RESOLUTION REGARDING AN AGREEMENT FOR
OPERATION, MAINTENANCE, TRANSPORTATION AND
DISPOSAL SERVICES FOR THE TORRINGTON 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 (“T&D Proposals”) from seven proposing entities offering transportation and/or disposal capacity at seven Regional Facilities and ten Out of State Landfills (including those listed in Attachment 1 to this resolution who proposed services relative to the Torrington transfer station); and

WHEREAS: MIRA received proposals for the Operation, Maintenance and Optional Redevelopment of the Connecticut Solid Waste System Transfer Stations (“O&M Proposals”) 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 (including those listed in Attachment 1 to this resolution who proposed services relative to the Torrington transfer station); 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 Enviro Express, Inc. (Enviro Express) submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Torrington Transfer Station, and on September 20, 2021 Enviro Express submitted a proposal to MIRA for the Operation and Maintenance of the Torrington Transfer Station; and

WHEREAS: At its December 20, 2021 meeting, after analysis with Management of the pricing and exceptions specified in the T&D Proposals and O&M Proposals, MIRA's Board of Directors directed the President to issue a Notice of Award to Enviro Express for operation of the Torrington Transfer Station and to undertake further negotiations with Enviro Express providing for i) the fixed cost Operation and Maintenance of the Torrington Transfer Station with optional recycling transportation and capacity sharing arrangement and ii) Transportation and Disposal of Municipal Solid Waste from the Torrington Transfer Station to the Keystone Sanitary Landfill in Dunmore PA, including but not limited to accepting, rejecting or modifying any business exceptions set forth in the Enviro Express proposals as determined by the President to be necessary or appropriate in order to finalize terms and conditions of a final agreement with Enviro Express; and

WHEREAS: MIRA staff have completed negotiations with Enviro Express and have finalized terms and conditions of a final agreement with Enviro Express, and the President is recommending to the Board that MIRA execute a contract with Enviro Express on the terms and conditions set forth herein for the operation of the Torrington Transfer Station and the transportation of such municipal solid waste to the Keystone Landfill in Dunmore, PA, or other designated facilities.

Now therefore be it:

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

Materials Innovation and Recycling Authority

Agreement for Operation, Maintenance, Transportation and Disposal Services for the Torrington Transfer Station

April 27, 2022

Executive Summary

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

Background

- On August 25, 2021 Enviro Express submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Torrington Transfer Station, and on September 20, 2021 Enviro Express submitted a proposal to MIRA for the Operation and Maintenance of the Torrington 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.
- MIRA staff evaluated the transportation and disposal proposals associated with RFP 22-OE-001 and RFP22-OE-002, and the Operation and Maintenance proposals associated with RFP22-OE-004. Based on the evaluation criteria specified in the Request for Proposals, as listed below, in December 2021, MIRA staff recommended that MIRA contract with Enviro Express for Operation and Maintenance of the Torrington Transfer Station, and for Transportation and Disposal of Acceptable Solid Waste and Acceptable Recyclables which are delivered to the Torrington Transfer Station.

Evaluation Criteria

- 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

At its December 20, 2021 meeting, after analysis with Management of the pricing and exceptions specified in the T&D Proposals and O&M Proposals, MIRA's Board of Directors directed the President to issue a Notice of Award to Enviro Express for operation of the Torrington Transfer Station and to undertake further negotiations with Enviro Express providing for i) the fixed cost Operation and Maintenance of the Torrington Transfer Station with optional recycling transportation and capacity sharing arrangement and ii) Transportation and Disposal of Municipal Solid Waste from the Torrington Transfer Station to the Keystone Sanitary Landfill in Dunmore PA, including but not limited to accepting, rejecting or modifying any business exceptions set forth in the Enviro Express proposals as determined by the President to be necessary or appropriate in order to finalize terms and conditions of a final agreement with Enviro Express.

MIRA staff have completed negotiations with Enviro Express and have finalized terms and conditions of a final agreement with Enviro Express, and the President is recommending to the Board that MIRA execute a contract with Enviro Express on the terms and conditions set forth herein for the operation of the Torrington Transfer Station, the transportation of such municipal solid waste to the Keystone Landfill in Dunmore, PA, or other designated facilities, transportation of recycling to the Murphy Road Recycling Facility in Berlin, CT and a capacity sharing arrangement for excess capacity at the Torrington transfer station.

Key Terms of Agreement with Enviro Express

Upon the Commencement Date of the Agreement

- Enviro Express is responsible for the care, custody, and control of the Designated Transfer Station and its real property.
- Enviro Express is responsible for transportation of Acceptable Solid Waste and Acceptable Recyclables received at the Torrington Transfer Station to MIRA-designated disposal and recycling sites or alternate MIRA-designated facilities.

- Enviro Express 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.
- Enviro Express will acquire, via purchase or lease, tractors, trailers and other equipment sufficient to perform the Services for the Term of the Agreement (through June 30, 2027) per an equipment acquisition plan authorized by MIRA. The equipment plan is sized to accommodate final estimated deliveries to the Torrington Transfer Station reflecting recent municipal decisions to amend the Municipal Services Agreement (MSA), opt out of the MSA or preserve current MSA terms. Given that MIRA did not attain Threshold Deliveries as defined in the MSA Amendment (authorized by MIRA's Board of Directors at its December 2021 meeting), if in subsequent years after the first contract year, but prior to the opt out period for the FY2027 contract year, MIRA adopts a tip fee that exceeds the applicable opt out level and additional towns whose designated transfer station is Torrington exercise the opt out provision of their MSA and depart the CSWS, Contractor may indicate to MIRA tractors or trailers designated in the equipment plan that are no longer needed because of those departing towns. Contractor may choose to redeploy such tractors or trailers for its other business purposes or request a termination payment from MIRA. Any termination payment will reflect approved lease terms for tractors or straight line depreciation for purchased trailers. In any such lease termination payment in which the ownership of the tractors does not revert to the leasing company, MIRA will acquire ownership of such tractors in exchange for the termination payment or Contractor may accept a substantially reduced termination payment from MIRA and retain ownership.
- Exclusions: Enviro Express 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 and the load-out scale, including power-washing of the scale and understructure as needed, but at least 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;

- 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 Enviro Express

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

Fiscal Year	Annual O&M Fee	Annual Management Fee	Excess Tonnage Fee per ton for tonnage in excess of 60,000 tons.
7/1/2022 - 6/30/2023 (FY23)	\$638,600.00	\$30,000.00	\$20.00/ton
7/1/2023 - 6/30/2024 (FY24)	\$657,758.00	\$30,000.00	\$20.00/ton
7/1/2024 - 6/30/2025 (FY25)	\$677,490.74	\$30,000.00	\$20.00/ton
7/1/2025 - 6/30/2026 (FY26)	\$697,815.46	\$40,000.00	\$20.00/ton
7/1/2026 - 6/30/2027 (FY27)	\$718,749.93	\$40,000.00	\$20.00/ton

- For Transportation of MSW from the Torrington Transfer Station and disposal of such MSW at the Keystone Landfill in Dunmore, PA MIRA will pay to Enviro Express a per-ton fee as follows.

Fiscal Year	MSW Transportation Price Per Ton	MSW Disposal Price Per Ton	Total T&D fee per ton*
7/1/2022 - 6/30/2023 (FY23)	\$49.84	\$43.26	\$93.10
7/1/2023 - 6/30/2024 (FY24)	\$51.34	\$44.56	\$95.10
7/1/2024 - 6/30/2025 (FY25)	\$52.88	\$45.89	\$98.77
7/1/2025 - 6/30/2026 (FY26)	\$54.46	\$47.27	\$101.73
7/1/2026 - 6/30/2027 (FY27)	\$56.10	\$48.69	\$104.79

*Enviro Express will be paid an additional fee of \$100 per load during the months of August and September 2022 to accommodate MIRA's most recent changes to the closure date of the WPF in Hartford.

- For Transportation of Recyclables from the Torrington Transfer Station to the Berlin facility MIRA will pay to Enviro Express a per-ton fee as follows.

Fiscal Year	Recycling Transportation Price Per Ton
7/1/2022 - 6/30/2023 (FY23)	\$24.72
7/1/2023 - 6/30/2024 (FY24)	\$25.46
7/1/2024 - 6/30/2025 (FY25)	\$26.23
7/1/2025 - 6/30/2026 (FY26)	\$27.01
7/1/2026 - 6/30/2027 (FY27)	\$27.82

- 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.

- Capacity Share Arrangement: Per MIRA RFP 22-OE-004 and Enviro Express’s proposal, Enviro Express can utilize excess permitted capacity at the Torrington Transfer Station which is not filled with Tier 1 MSW, in exchange for a capacity share payment to MIRA. Starting in FY24, Enviro Express will deliver a minimum of 1,000 tons per year “Capacity Share” tons into the Torrington Transfer Station for a price per ton as follows (the \$1.00 per ton payment is a minimum; MIRA and Enviro Express will have the option to agree to a higher amount):

Fiscal Year	Capacity Share Payment Per Ton
7/1/2022 - 6/30/2023 (FY23)	\$1.00
7/1/2023 - 6/30/2024 (FY24)	\$1.03
7/1/2024 - 6/30/2025 (FY25)	\$1.06
7/1/2025 - 6/30/2026 (FY26)	\$1.09
7/1/2026 - 6/30/2027 (FY27)	\$1.12

Attachment 1: Price Summary Table

Combined O&M and Management Fee (Per RFP 22-OE-004)

Fiscal Year	Enviro	CWPM*	MRR**	Oakridge
7/1/2022 - 6/30/2023	\$668,600.00	\$780,000.00	\$600,000.00	\$811,448.00
7/1/2023 - 6/30/2024	\$688,758.00	\$803,400.00	\$624,000.00	\$852,020.00
7/1/2024 - 6/30/2025	\$707,490.74	\$827,502.00	\$648,960.00	\$894,621.00
7/1/2025 - 6/30/2026	\$737,815.46	\$852,327.00	\$674,918.00	\$939,352.00
7/1/2026 - 6/30/2027	\$758,749.93	\$877,897.00	\$701,915.00	\$986,319.00

*CWPM's Proposal specified that "MIRA will be required to repair/replace the load-out scales that are currently inoperable prior to the start of this agreement."

**"MRR's proposal will not allow for ICW, spot, scheduled Deliveries". Required removal of "MIRA's ability to unilaterally add waste streams or items that must be accepted".

Combined MSW T&D Price per Ton (Per RFP 22-OE-001 and 22-OE-002)

Fiscal Year	Enviro	CWPM*	MRR/WIN**	Oakridge
7/1/2022 - 6/30/2023	\$93.10	\$115.00	\$102.50	NA
7/1/2023 - 6/30/2024	\$95.90	\$120.75	\$106.60	NA
7/1/2024 - 6/30/2025	\$98.77	\$126.79	\$110.86	NA
7/1/2025 - 6/30/2026	\$101.73	\$133.13	\$115.30	NA
7/1/2026 - 6/30/2027	\$104.79	\$139.79	\$119.91	NA

*CWPM exceptions: Proposal after 12/31/2025 dependent on Seneca Meadows landfill renewing permit. No backup site provided if that permit renewal does not occur.

**MRR/WIN exceptions: Required a 3-party agreement among MIRA, MRR and WIN. MRR and WIN's proposal "for T&D and O&M for the Torrington and Watertown transfer stations is contingent upon an award of a contract to MRR and WIN for the MSW currently delivered direct to the MIRA Hartford RRF by Tier 1 towns". "T&D for the Torrington and Watertown transfer stations is contingent upon being awarded the O&M for such transfer stations".; Proposal "will not allow for ICW, spot tonnages, scheduled deliveries or new member towns".

Recycling Transportation Price Per Ton

Fiscal Year	Enviro	CWPM	MRR	Oakridge
7/1/2022 - 6/30/2023	\$24.72	\$40.00	\$39.85	NA
7/1/2023 - 6/30/2024	\$25.46	\$41.20	\$41.44	NA
7/1/2024 - 6/30/2025	\$26.23	\$42.44	\$43.10	NA
7/1/2025 - 6/30/2026	\$27.01	\$43.71	\$44.83	NA
7/1/2026 - 6/30/2027	\$27.82	\$45.02	\$46.62	NA



Materials Innovation and Recycling Authority
Regular Board of Directors Meeting
Supplemental Information
April 27, 2022

I. Finance

1. Informational Reports for the period ending February 28, 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 February 28, 2022 (*Attachment B*).
2. An update is provided on waste deliveries to the CSWS project for the period ending February 28, 2022 (*Attachment C*).

III. Communications

1. Legal Expenditure Report for the period ending February 28, 2022 (*Attachment D*).

TAB A



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

As indicated in this report, operating revenues for February totaled \$5.15 million (3.3% above budget). The deficit in Member Town waste deliveries was partially offset by Non Participating Town deliveries. Electricity sales revenue was very strong. Year to date operating revenues are 9.0% above budget. Total accrued expenditures for February were \$4.09 million (16.1% under budget) with savings in all line items other than NAES contract operating. 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 14.9% under budget. Year to date the CSWS has generated operating income of \$9.30 million which is \$10.33 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 February 2022 hedged price for the first five megawatts was \$0.1256 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 \$0.1122 per kwh in February which is \$0.0774 per kwh (222.5%) above budget. Year to date energy price is 85.5% above budget. The CSWS generated 13.73 million Kwh of energy in February which was 7.40 million Kwh (35.0%) below budget. The plant ran at full capacity for 0 out of 31 days. Overall boiler availability was 50.0%. Boiler 11 was off line for 216.80 hours (67.7% availability) initially due to a boiler steam drum leak and subsequently due to an economizer issue and cleaning outage. Boiler 12 was off line for 212.86 hours (68.3% availability) for low fuel, an external steam leak and super heater leaks. Boiler 13 was off line for 578.16 hours (14.0% availability) initially for cleaning and maintenance outages and also due to low fuel inventory and a plugged discharge chute. Turbine 5 was reported on line the entire month. Turbine 6 was reported off line for the entire month partly due to one boiler operations but also for condenser and cooler cleaning, a generator breaker repair, steam dump regulator issue and inability to achieve proper vacuum. On a year to date basis, in comparison to this period of fiscal year 2021, energy price is up 107.1%, production is down 6.7% and revenue is up 93.3%.

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.

February deliveries totaled 33,049 tons which is 6,250 tons (15.9%) below budget. Member town deliveries were 10,140 tons (28.5%) under budget while non-participating deliveries were 3,890 tons (104.1%) above budget. Prices for waste hauler tons averaged \$93.00 per ton in February 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 2,176 tons of other contract waste delivered in February at the rate of \$80 per ton pursuant to contracts awarded by the Authority. There was also 1,416 tons of spot waste delivered in February at an average rate of \$66.39 per ton. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 5.2% under budget a year to date basis.



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, 94.13 tons of non-participating recycling were delivered and assessed a tip fee of \$117 per ton for total revenue of \$11,013. There were no such deliveries budgeted. Operating expenses totaled \$269,513 which is 45.1% under budget for February 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 55.7% 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 February, the Authority sold 43.43 gross tons of post combustion ferrous and 10.05 gross tons of maintenance metals for total revenue of \$7,125 which was 24.8% above budget due to strong pricing and higher than budget volume of ferrous sales. Metal sales are 156.8% 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 12.5% above budget in February due to surplus capacity payments and reserve credits. Operating expenses were 23.9% below budget due to savings in all line items. Total operating income is 18.3% 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 February were sufficient to distribute \$623,784 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 April are \$6,388,707. CSWS cash receipts were not sufficient to execute budgeted distributions to the CSWS Operating STIF, Improvement and Major Maintenance funds causing a \$1,175,102 draw from the Tip Fee Stabilization Fund which included hauler prepaid tip fees as noted on this report. After the distribution of February receipts, \$60,897,107 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 February, the Authority received a net amount of \$966,634 from NAES representing project true up funds which were deposited to the Major Maintenance Fund.

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

[Narrative](#)

CSWS Monthly Financial Report

Period Ending: **February 28, 2022**

REVENUES	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
<u>Member Towns</u>	\$ 3,736,991	\$ 2,671,858	\$ (1,065,133)	-28.5%	\$ 30,524,279	\$ 26,042,053	\$ (4,482,225)	-14.7%
<u>Other Contracts</u>	\$ 116,529	\$ 174,092	\$ 57,563	49.4%	\$ 932,697	\$ 1,560,652	\$ 627,955	67.3%
<u>Hauler - Direct</u>	\$ 154,456	\$ 244,397	\$ 89,941	58.2%	\$ 1,280,745	\$ 2,211,326	\$ 930,581	72.7%
<u>Hauler - TS</u>	\$ 76,432	\$ 130,732	\$ 54,300	71.0%	\$ 624,304	\$ 1,266,648	\$ 642,344	102.9%
<u>Spot Waste</u>	\$ -	\$ 94,013	\$ 94,013	n/a	\$ -	\$ 546,497	\$ 546,497	n/a
Bypass, Delivery & Other Charges	\$ -	\$ 87,568	\$ 87,568	n/a	\$ -	\$ 194,332	\$ 194,332	n/a
Member Service Fee	\$ 2,247	\$ 1,827	\$ (421)	-18.7%	\$ 18,357	\$ 17,588	\$ (770)	-4.2%
<u>Metal Sales & Excess Residue</u>	\$ 5,708	\$ 7,125	\$ 1,417	24.8%	\$ 45,667	\$ 117,280	\$ 71,613	156.8%
Bulky Waste	\$ 20,550	\$ 1,001	\$ (19,549)	-95.1%	\$ 164,400	\$ 134,379	\$ (30,021)	-18.3%
<u>Recycling Facility</u>	\$ -	\$ 11,013	\$ 11,013	n/a	\$ -	\$ 87,342	\$ 87,342	n/a
<u>Electricity Sales</u>	\$ 735,201	\$ 1,540,907	\$ 805,706	109.6%	\$ 6,291,504	\$ 10,442,254	\$ 4,150,750	66.0%
Other Energy Markets	\$ 141,250	\$ 189,356	\$ 48,106	34.1%	\$ 2,699,960	\$ 3,734,261	\$ 1,034,301	38.3%
Misc. (Interest, Fees, Other)	\$ 1,667	\$ 600	\$ (1,067)	-64.0%	\$ 14,536	\$ 57,749	\$ 43,213	297.3%
TOTAL ACCRUED REVENUES	\$ 4,991,032	\$ 5,154,489	\$ 163,457	3.3%	\$ 42,596,448	\$ 46,412,361	\$ 3,815,912	9.0%
EXPENDITURES								
Administrative Expenses	\$ 189,230	\$ 155,239	\$ 33,991	18.0%	\$ 1,596,129	\$ 1,407,633	\$ 188,496	11.8%
Operational & Contingent . Exp.	\$ 220,412	\$ 125,846	\$ 94,566	42.9%	\$ 1,876,382	\$ 1,356,831	\$ 519,551	27.7%
PILOTs & Fees	\$ 193,869	\$ 181,068	\$ 12,801	6.6%	\$ 1,580,524	\$ 1,548,809	\$ 31,715	2.0%
Waste Transport	\$ 975,547	\$ 594,012	\$ 381,535	39.1%	\$ 8,275,627	\$ 7,491,396	\$ 784,231	9.5%
Recycling Facility	\$ 490,694	\$ 269,513	\$ 221,181	45.1%	\$ 4,707,899	\$ 2,085,005	\$ 2,622,894	55.7%
Murphy Road Operations	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Facilities Operating Exp.	\$ 86,716	\$ 38,147	\$ 48,569	56.0%	\$ 728,903	\$ 823,974	\$ (95,071)	-13.0%
NAES Contract Operating Charges	\$ 2,342,358	\$ 2,375,730	\$ (33,372)	-1.4%	\$ 20,067,793	\$ 19,554,765	\$ 513,028	2.6%
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%	\$ 690,608	\$ 575,473	\$ 115,135	16.7%
NAES Management Fees	\$ 104,818	\$ 93,262	\$ 11,556	11.0%	\$ 838,544	\$ 809,756	\$ 28,788	3.4%
Transfer Station - Ellington	\$ 1,141	\$ 186	\$ 955	83.7%	\$ 11,628	\$ 10,037	\$ 1,591	13.7%
Transfer Station - Essex	\$ 65,727	\$ 64,501	\$ 1,226	1.9%	\$ 527,366	\$ 528,113	\$ (747)	-0.1%
Transfer Station - Torrington	\$ 50,138	\$ 48,563	\$ 1,575	3.1%	\$ 402,654	\$ 398,996	\$ 3,658	0.9%
Transfer Station - Watertown	\$ 65,569	\$ 57,026	\$ 8,543	13.0%	\$ 526,102	\$ 524,881	\$ 1,221	0.2%
TOTAL ACCRUED EXPENDITURES	\$ 4,872,545	\$ 4,089,419	\$ 783,126	16.1%	\$ 43,630,159	\$ 37,115,669	\$ 6,514,490	14.9%
OPERATING INCOME								
(Before Reserves / Transfers)	\$ 118,487	\$ 1,065,070	\$ 946,583	799%	\$ (1,033,710)	\$ 9,296,692	\$ 10,330,402	-999%
DISTRIBUTION OF CSWS OPERATING INCOME								
<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
TOTAL DISTRIBUTIONS	\$ -	\$ -	\$ -	n/a	\$ 5,405,000	\$ 5,405,000	\$ -	0.0%
SURPLUS / (DEFICIT)	\$ 118,487	\$ 1,065,070	\$ 946,583	799%	\$ (6,438,710)	\$ 3,891,692	\$ 10,330,402	-160.4%

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

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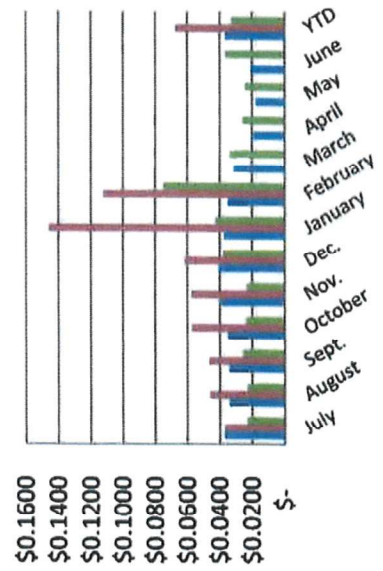
CSWS Electricity Production

Period Ending:

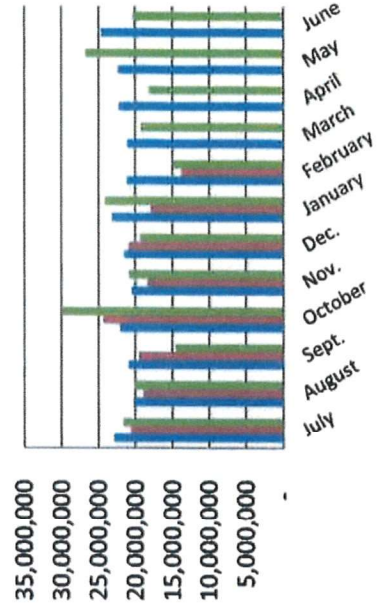
February 28, 2022

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	\$ 0.1122	\$ 0.0774	21,127,012	13,729,900	(7,397,112)	\$ 735,201	\$ 1,540,907	\$ 805,706
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	\$ 0.0365	\$ 0.0677	\$ 0.0312	172,491,895	154,340,770	(18,151,125)	6,291,504	10,442,254	\$ 4,150,750
YTD % Var.			85.5%			-10.5%			66.0%

Price / KWh



Production (KWh)



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

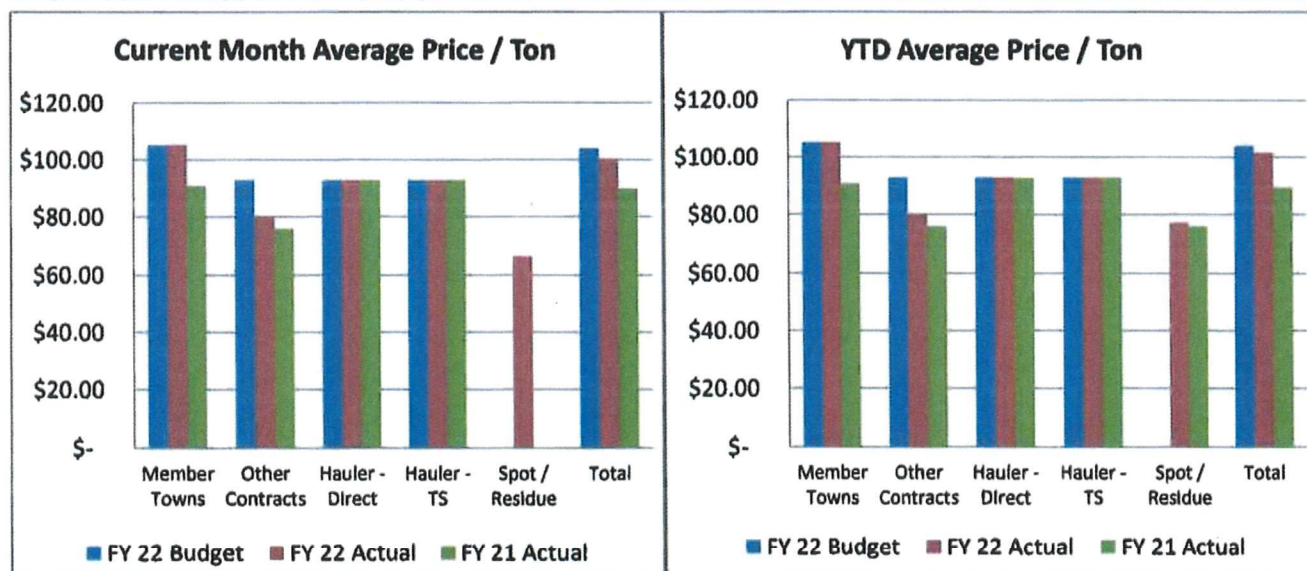
Narrative

CSWS Solid Waste Summary

Period Ending:

February 28, 2022

FY 22 Budget	Current Month			Year To Date		
	Tons	Revenue	Price	Tons	Revenue	Price
<u>Member Towns</u>	35,564	\$ 3,736,991	\$ 105.08	290,493	\$ 30,524,279	\$ 105.08
<u>Other Contracts</u>	1,253	\$ 116,529	\$ 93.00	10,029	\$ 932,697	\$ 93.00
<u>Hauler - Direct</u>	1,661	\$ 154,456	\$ 93.00	13,771	\$ 1,280,745	\$ 93.00
<u>Hauler - TS</u>	822	\$ 76,432	\$ 93.00	6,713	\$ 624,304	\$ 93.00
<u>Spot / Residue</u>	-	\$ -	\$ -	-	\$ -	\$ -
Total	39,300	\$ 4,084,408	\$ 103.93	321,006	\$ 33,362,025	\$ 103.93
FY 22 Actual	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	25,424	\$ 2,671,858	\$ 105.09	247,811	\$ 26,042,053	\$ 105.09
Other Contracts	2,176	\$ 174,092	\$ 80.01	19,508	\$ 1,560,652	\$ 80.00
Hauler - Direct	2,628	\$ 244,397	\$ 93.00	23,778	\$ 2,211,326	\$ 93.00
Hauler - TS	1,406	\$ 130,732	\$ 92.99	13,615	\$ 1,266,648	\$ 93.03
Spot / Residue	1,416	\$ 94,013	\$ 66.39	7,076	\$ 546,497	\$ 77.23
Total	33,049	\$ 3,315,092	\$ 100.31	311,788	\$ 31,627,176	\$ 101.44
Variance	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	(10,140)	\$ (1,065,133)	\$ 0.02	(42,682)	\$ (4,482,225)	\$ 0.01
Other Contracts	923	\$ 57,563	\$ (12.99)	9,479	\$ 627,955	\$ (13.00)
Hauler - Direct	967	\$ 89,941	\$ -	10,006	\$ 930,581	\$ -
Hauler - TS	584	\$ 54,300	\$ (0.01)	6,902	\$ 642,344	\$ 0.03
Spot / Residue	1,416	\$ 94,013	\$ 66.39	7,076	\$ 546,497	\$ 77.23
Total	(6,250)	\$ (769,315)	\$ (3.62)	(9,218)	\$ (1,734,849)	\$ (2.49)
Total % Var.	-15.9%	-18.8%	-3.5%	-2.9%	-5.2%	-2.4%



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

Narrative

Period Ending:

February 28, 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	\$ -	\$ 436,375	\$ 4,132,466	\$ 139,058	\$ -	\$ 4,707,899

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	\$ 39,299	\$ 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	22.18	-	3.95	68.00	94.13	\$ 117	\$ 11,013	\$ 42,526	\$ 216,636	\$ 10,053	\$ 298	\$ 269,513
March						\$ 117	\$ -	\$ -	\$ -			\$ -
April						\$ 117	\$ -	\$ -	\$ -			\$ -
May						\$ 117	\$ -	\$ -	\$ -			\$ -
June						\$ 117	\$ -	\$ -	\$ -			\$ -
YTD	105.70	-	46.50	594.31	746.51	\$ 117	\$ 87,342	\$ 413,683	\$ 1,570,260	\$ 86,921	\$ 14,140	\$ 2,085,005

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	22.18	-	3.95	68.00	94.13	\$ -	\$ 11,013	\$ (1,840)	\$ (212,840)	\$ (6,798)	\$ 298	\$ (221,181)
March												
April												
May												
June												
YTD	105.70	-	46.50	594.31	746.51	\$ -	\$ 87,342	\$ (22,691)	\$ (2,562,206)	\$ (52,137)	\$ 14,140	\$ (2,622,894)

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

[Narrative](#)

Period Ending:

February 28, 2022

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	5,272.00	\$ 22.78	120,096	5,337.90	\$ 37.49	200,118	4,876.60	\$ 23.82	116,161	\$ 436,375

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	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	479.86	\$ 22.75	\$ 10,917	523.55	\$ 39.09	\$ 20,466	467.63	\$ 23.83	\$ 11,144	\$ 42,526
March			\$ -			\$ -			\$ -	\$ -
April			\$ -			\$ -			\$ -	\$ -
May			\$ -			\$ -			\$ -	\$ -
June			\$ -			\$ -			\$ -	\$ -
YTD	4,500.85	\$ 22.48	101,168	5,464.47	\$ 38.68	211,342	4,314.98	\$ 23.45	101,172	\$ 413,683

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	(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	(56.14)	(0.03)	(1,293)	(19.15)	1.60	120	(28.17)	0.01	(666)	(1,840)
March										
April										
May										
June										
YTD	(771.15)	(0.30)	(18,928)	126.57	1.19	11,225	(561.62)	(0.37)	(14,988)	(22,691)

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

[Narrative](#)

Period Ending:

February 28, 2022

Budget FY 2022	Hartford to Berlin			Base Operating Charge					Management 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	21,385	30.00	641,537	36,245	\$ 85.00	\$ 0.28	\$ 85.28	3,090,929	400,000	\$ 4,132,466

Actual FY 2022	Hartford to Berlin			Base Operating Charge					Management 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	1,878.37	\$ 30.00	\$ 56,351	3,282.30	\$ 85.00	\$ (51.40)	\$ 33.60	\$ 110,285	\$ 50,000	\$ 216,636
March			\$ -				\$ -	\$ -		\$ -
April			\$ -				\$ -	\$ -		\$ -
May			\$ -				\$ -	\$ -		\$ -
June			\$ -				\$ -	\$ -		\$ -
YTD	19,568	\$ 30.00	587,038	32,171	\$ 85.00	\$ 66.87	\$ 18.13	583,223	400,000	\$ 1,570,260

Variance FY 2022	Hartford to Berlin			Base Operating Charge					Management 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	(295.78)	-	(8,873)	(402.70)	-	(51.68)	(51.68)	(203,967)	-	(212,840)
March										
April										
May										
June										
YTD	(1,817)	-	(54,499)	(4,074)	-	66.59	(67.15)	(2,507,707)	-	(2,562,206)

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	233.33	\$ 38.57	\$ -	\$ 38.57	9,000	333.33	\$ 110.00	\$ -	\$ 110.00	36,667	\$ 45,667

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	109.73	\$ 110.00	\$ 31.50	\$ 141.50	\$ 15,527	9.16	\$ 165.00	\$ 67.50	\$ 232.50	\$ 2,130	\$ 17,656
December	79.91	\$ 110.00	\$ 38.50	\$ 148.50	\$ 11,867	26.86	\$ 165.00	\$ 67.50	\$ 232.50	\$ 6,244	\$ 18,111
January	103.53	\$ 110.00	\$ 7.00	\$ 117.00	\$ 12,113	-	\$ 165.00	\$ -	\$ 165.00	\$ -	\$ 12,113
February	43.43	\$ 110.00	\$ 7.00	\$ 117.00	\$ 5,081	10.05	\$ 165.00	\$ 38.34	\$ 203.34	\$ 2,044	\$ 7,125
March				\$ -	\$ -				\$ -	\$ -	\$ -
April				\$ -	\$ -				\$ -	\$ -	\$ -
May				\$ -	\$ -				\$ -	\$ -	\$ -
June				\$ -	\$ -				\$ -	\$ -	\$ -
YTD	711.84	\$ 110.00	\$ 13.69	\$ 123.69	88,049.80	132.93	\$ 165.00	\$ 54.89	\$ 219.89	29,229.86	\$ 117,280

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	80.56	71.43	31.50	102.93	14,401.80	(32.51)	55.00	67.50	122.50	(2,453.63)	11,948.16
December	50.74	71.43	38.50	109.93	10,741.64	(14.81)	55.00	67.50	122.50	1,660.96	12,402.59
January	74.36	71.43	7.00	78.43	10,988.01	(41.67)	55.00	-	55.00	(4,583.33)	6,404.68
February	14.26	71.43	7.00	78.43	3,956.31	(31.62)	55.00	38.34	93.34	(2,539.77)	1,416.54
March											
April											
May											
June											
YTD	478.51	71.43	13.69	85.12	79,049.80	(200.41)	55.00	54.89	109.89	(7,436.81)	71,612.98

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

[Narrative](#)

Property Division Monthly Financial Report

Period Ending: February 28, 2022

REVENUES	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
Jets Electric:								
Capacity Payments	\$ 687,671	\$ 823,377	\$ 135,706	19.7%	\$ 5,501,368	\$ 5,933,561	\$ 432,193	7.9%
VARS Payments	\$ 3,184	\$ 3,036	\$ (148)	-4.6%	\$ 25,472	\$ 24,346	\$ (1,126)	-4.4%
Reserve Credits	\$ 37,500	\$ 52,856	\$ 15,356	40.9%	\$ 300,000	\$ 427,264	\$ 127,264	42.4%
Real Time Energy	\$ 50,000	\$ 1,453	\$ (48,547)	-97.1%	\$ 400,000	\$ 450,066	\$ 50,066	12.5%
Total Jets Electric	\$ 778,355	\$ 880,722	\$ 102,367	13.2%	\$ 6,226,840	\$ 6,835,237	\$ 608,397	9.8%
Lease Income:								
CSWS Murphy Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Golf Center	\$ 1,664	\$ 1,664	\$ 0	0.0%	\$ 13,310	\$ 13,312	\$ 2	0.0%
Wheelabrator Lease	\$ 38,079	\$ 38,079	\$ -	0.0%	\$ 304,632	\$ 304,632	\$ -	0.0%
Jets Billboard	\$ -	\$ -	\$ -	n/a	\$ 45,350	\$ 25,116	\$ (20,234)	-44.6%
Total Lease Income	\$ 39,743	\$ 39,743	\$ 0	0.0%	\$ 363,292	\$ 343,060	\$ (20,232)	-5.6%
South Central Facility Capacity	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Interest / Misc. Income	\$ -	\$ -	\$ -	n/a	\$ 125,000	\$ 6,632	\$ (118,368)	-94.7%
TOTAL ACCRUED REVENUES	\$ 818,098	\$ 920,465	\$ 102,367	12.5%	\$ 6,715,132	\$ 7,184,929	\$ 469,797	7.0%
EXPENDITURES								
MIRA Non-Personnel Services	\$ 16,779	\$ 10	\$ 16,769	99.9%	\$ 146,776	\$ 12,442	\$ 134,334	91.5%
MIRA Allocated Costs	\$ 64,295	\$ 54,575	\$ 9,720	15.1%	\$ 542,864	\$ 486,427	\$ 56,437	10.4%
Railroad Maintenance	\$ -	\$ -	\$ -	n/a	\$ 10,500	\$ 10,050	\$ 450	4.3%
211 Murphy Road Ops. Center	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
1410 Honey Spot Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
171 Murphy Road	\$ 2,269	\$ 1,579	\$ 690	30.4%	\$ 18,152	\$ 9,490	\$ 8,662	47.7%
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
South Central Facility Operating C	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets Operating Charges	\$ 140,877	\$ 114,511	\$ 26,366	18.7%	\$ 1,161,016	\$ 944,070	\$ 216,946	18.7%
TOTAL ACCRUED EXPENDITURES	\$ 224,220	\$ 170,675	\$ 53,545	23.9%	\$ 1,879,308	\$ 1,462,479	\$ 416,829	22.2%
OPERATING INCOME (Before Reserves / Transfers)	\$ 593,878	\$ 749,790	\$ 155,912	26.3%	\$ 4,835,824	\$ 5,722,450	\$ 886,626	18.3%
DISTRIBUTION OF PD OPERATING INCOME								
General Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Severance	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets Major Maintenance	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
PD Improvement Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
TOTAL DISTRIBUTIONS	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
SURPLUS / (DEFICIT)	\$ 593,878	\$ 749,790	\$ 155,912	26.3%	\$ 4,835,824	\$ 5,722,450	\$ 886,626	18.3%

Property Division and CSWS Flow of Funds

Period Ending: February 28, 2022
 Transfer Date: March 7, 2022
 Funding: Apr

Property Division Receipts	Beginning Balance	Interest (+)	Receipts (+)	Adjustments (+/-)	Net Receipts to Distribution (-)	Ending Balance
Clearing Account	\$ 1,000.00		\$ 873,574.15		\$ 873,574.15	
Property Division Disbursements						
Property Division Disbursements	Beginning Balance	Interest (+)	Expenditures (-)	Adjustments (+/-)	Distribution of Net Receipts (+/-)	Ending Balance
PD Operating Fund	\$ 1,893,722.10	\$ 264.60	\$ 102,926.58	\$ 270.00	\$ 249,790.40	\$ 2,041,120.52
PD General Fund	\$ 11,069,965.75	\$ 1,036.72				\$ 11,071,002.47
PD Improvement Fund	\$ 260,179.85					\$ 260,179.85
PD Jets Major Maintenance	\$ 796,000.00					\$ 796,000.00
MIRA 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				\$ 873,783.75	Combined Below
Total	\$ 14,019,867.70	\$ 1,301.32	\$ 102,926.58	\$ 270.00	\$ 873,574.15	\$ 14,168,302.84
CSWS Division Receipts						
CSWS Division Receipts	Beginning Balance	Interest (+)	Receipts (+)	Adjustments (+/-)	Net Receipts to Distribution (-)	Ending Balance
Clearing Account	\$ 40,000.00		\$ 4,110,057.43		\$ 4,110,057.43	\$ 40,000.00
CSWS Division Disbursements						
CSWS Division Disbursements	Beginning Balance	Interest (+)	Expenditures (-)	Adjustments (+/-)	Distribution of Net Receipts (+/-)	Ending Balance
CSWS Operating STIF	\$ 14,916,143.35	\$ 1,073.67	\$ 5,465,949.99		\$ 3,285,159.33	\$ 14,736,426.36
CSWS Debt Service Fund	\$ 3,875.01					\$ 3,875.01
CSWS General Fund	\$ 1,101.37	\$ 0.04				\$ 1,101.41
CSWS Risk Fund	\$ 897,668.10	\$ 84.07				\$ 897,752.17
CSWS Legal Reserve	\$ 562,060.90	\$ 52.30	\$ 5,398.50			\$ 556,714.70
MIRA 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				\$ (3,175,101.90)	Combined Below
Total	\$ 16,380,848.73	\$ 1,210.08	\$ 5,471,348.49	\$ -	\$ 4,110,057.43	\$ 16,195,869.65
Combined						
Severance Fund	\$ 2,542,745.90	\$ 238.12			\$ -	\$ 2,542,984.02
CSWS Improvement Fund	\$ 319,447.51				\$ -	\$ 319,447.51
CSWS Major Maintenance	\$ 2,772,840.47	\$ 329.75	\$ 613,271.00	\$ 966,633.60	\$ -	\$ 3,126,532.82
CSWS Tip Fee Stabilization	\$ 6,794,865.92	\$ 450.23			\$ (551,418.15)	\$ 6,243,998.00
Other Division Balances						
Other Division Balances	Beginning Balance	Interest (+)	Receipts (+)	Expenditures (-)	Adjustments (+/-)	Ending Balance
General Fund Checking	\$ 1,178,510.64		\$ 193,718.76	\$ 205,310.00		\$ 1,166,919.40
Hartford Solar Reserve	\$ 335,147.42	\$ 31.38				\$ 335,178.80
Pollution Insurance Reserve	\$ -					\$ -
Landfill Operating Account	\$ 2,116,407.05		\$ 44,110.00	\$ 4,357.90		\$ 2,156,159.15

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.
- At the beginning of January 2022, the CSWS received a total of \$5,640,000.00 in prepaid tip fees from waste haulers. This revenue flowed to the CSWS Operating STIF account and was used to reimburse the Tip Fee Stabilization Fund. As of Feb 28, 2022, a total of \$3,001,768.51 remained available on customer accounts.
- After the distribution of February cash receipts, a total of \$60,897,107.30 remained due to the Tip Fee Stabilization Fund from the CSWS.
- A total of \$6,388,707.31 YTD has been contributed to the CSWS Tip Fee Stabilization reserve from the Property Division receipts.

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

[Narrative](#)

Period Ending:

02/28/22

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
WASTE PROCESSING FACILITY						
Trommels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Conveyors	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MSW / RDF Tip Floor Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Loaders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Rolling Stock	\$ -	\$ -	\$ -	100,000	\$ -	\$ 100,000
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scale Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	100,000	\$ -	\$ 100,000
POWER BLOCK FACILITY						
Boiler 11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Boiler 12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Boiler 13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Auxiliary Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Switch Yard / Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
IM Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watetown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CSWS IMPROVEMENT FUND	\$ -	\$ -	\$ -	100,000	\$ -	\$ 100,000

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

Narrative

Period Ending:

02/28/22

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
WASTE PROCESSING FACILITY						
Trommels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Conveyors	\$ -	\$ -	\$ -	\$ 50,000	\$ 49,319	\$ 681
MSW / RDF Tip Floor Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ 65,000	\$ -	\$ 65,000
Loaders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Rolling Stock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ 14,300	\$ (14,300)
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scale Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	\$ 115,000	\$ 63,619	\$ 51,381
POWER BLOCK FACILITY						
Boiler 11	\$ -	\$ (499,763)	\$ 499,763	\$ 2,045,000	\$ 1,334,676	\$ 710,324
Boiler 12	\$ -	\$ (21,110)	\$ 21,110	\$ 2,070,000	\$ 1,291,152	\$ 778,848
Boiler 13	\$ -	\$ (36,548)	\$ 36,548	\$ -	\$ (10,077)	\$ 10,077
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ -	\$ (63,508)	\$ 63,508	\$ 675,000	\$ 442,214	\$ 232,786
Auxiliary Systems	\$ -	\$ (283,703)	\$ 283,703	\$ 225,000	\$ (284,471)	\$ 509,471
Building Repairs	\$ -	\$ (9,750)	\$ 9,750	\$ 50,000	\$ 39,750	\$ 10,250
Roof Repairs	\$ -	\$ (52,230)	\$ 52,230	\$ 75,000	\$ -	\$ 75,000
Site Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000
Switch Yard / Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ (22)	\$ 22	\$ -	\$ 56,988	\$ (56,988)
M Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ -	\$ (966,634)	\$ 966,634	\$ 5,190,000	\$ 2,870,232	\$ 2,319,768
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watertown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CSWS MAJOR MAINTENANCE FUND	\$ -	\$ (966,634)	\$ 966,634	\$ 5,305,000	\$ 2,933,850	\$ 2,371,150

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

Segmented Income Statement

DRAFT

Period Ending:
February 28, 2022

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

	General Fund		Community Solid Waste System		Mid-Community Project		Southwest Project		Property Division		Landfill Division		Eliminations		Total
Operating Revenues															
Service charges:															
Members															
Others															
Energy sales															
Other operating revenues															
Total Operating Revenues															
Operating Expenses															
Solid waste operations															
Maintenance and utilities															
Legal services - external															
Administrative and Operational services															
Total Operating Expenses															
Operating Income (Loss)															
Non-Operating Revenues (Expenses)															
Investment income															
Settlement income (expenses)															
Other income (expenses)															
Distributions to SCRRRA															
Non-Operating Revenues (Expenses), net															
Income (Loss) before Transfers															
Transfers to (out)															
Change in Net Position															
Total Net Position, beginning of period															
Total Net Position, end of period															

RECONCILIATION TO VARIANCE REPORT:

Add: Expenses paid from reserves															
Add: Authorization															
Less: GAAP Exp (Deferred for Budget)															
add: Spare parts and fuel inventory adjustment															
add: Capitalized expenses net of asset disposals															
add: Settlement income															
Other															
Operating Income (Loss) per Variance report															

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

Note: Eliminations and depreciation are preliminary amounts.

Other: Sept20 - RECs were billed and in the GL for Sept20 s/bb billed in October20.

THE AUTHORITY - FINANCIAL RESULTS

For the Period Ending February 28, 2022

DETAILS	MONTH TO DATE				YEAR TO DATE			
	Budget	Actual	Variance		Budget	Actual	Variance	
Authority Budget								
Personnel Services (a)	\$ 195,983	\$ 162,912	\$ 33,071	16.87%	\$ 1,664,585	\$ 1,369,559	\$ 295,026	17.72%
Non-Personnel Services (b)	\$ 54,281	\$ 42,412	\$ 11,869	21.87%	\$ 446,360	\$ 493,317	\$ (46,957)	-10.52%
Total Authority Budget	\$ 250,264	\$ 205,324	\$ 44,940	17.96%	\$ 2,110,945	\$ 1,862,876	\$ 248,069	11.75%
LESS: STIF Interest Income	\$ -	\$ 13	\$ (13)	100.00%	\$ -	\$ 1,222	\$ (1,222)	100.00%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 205,310	\$ 44,954	17.96%	\$ 2,110,945	\$ 1,861,654	\$ 249,291	11.81%
Authority Budget Allocation								
Landfill Division	\$ 6,033	\$ 4,950	\$ 1,083	17.95%	\$ 50,888	\$ 44,884	\$ 6,004	11.80%
Property Division	\$ 55,001	\$ 45,121	\$ 9,880	17.96%	\$ 463,928	\$ 409,136	\$ 54,792	11.81%
CSWS Division	\$ 189,230	\$ 155,239	\$ 33,991	17.96%	\$ 1,596,129	\$ 1,407,634	\$ 188,495	11.81%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 205,310	\$ 44,954	17.96%	\$ 2,110,945	\$ 1,861,654	\$ 249,291	11.81%
MIRA Direct Personnel								
Landfill Division	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Property Division	\$ 9,293	\$ 9,454	\$ (161)	-1.73%	\$ 78,932	\$ 77,293	\$ 1,639	2.08%
CSWS Division	\$ 113,235	\$ 107,694	\$ 5,541	4.89%	\$ 961,761	\$ 933,386	\$ 28,375	2.95%
TOTAL MIRA DIRECT	\$ 122,528	\$ 117,148	\$ 5,380	4.39%	\$ 1,040,693	\$ 1,010,679	\$ 30,014	2.88%
Total Allocation								
Landfill Division	\$ 6,033	\$ 4,950	\$ 1,083	17.95%	\$ 50,888	\$ 44,884	\$ 6,004	11.80%
Property Division	\$ 64,294	\$ 54,575	\$ 9,719	15.12%	\$ 542,860	\$ 486,428	\$ 56,432	10.40%
CSWS Division	\$ 302,465	\$ 262,934	\$ 39,531	13.07%	\$ 2,557,890	\$ 2,341,019	\$ 216,871	8.48%
TOTAL AUTHORITY & MIRA DIRECT	\$ 372,792	\$ 322,459	\$ 50,333	13.50%	\$ 3,151,638	\$ 2,872,332	\$ 279,306	8.86%

YTD VARIANCE EXPLANATION

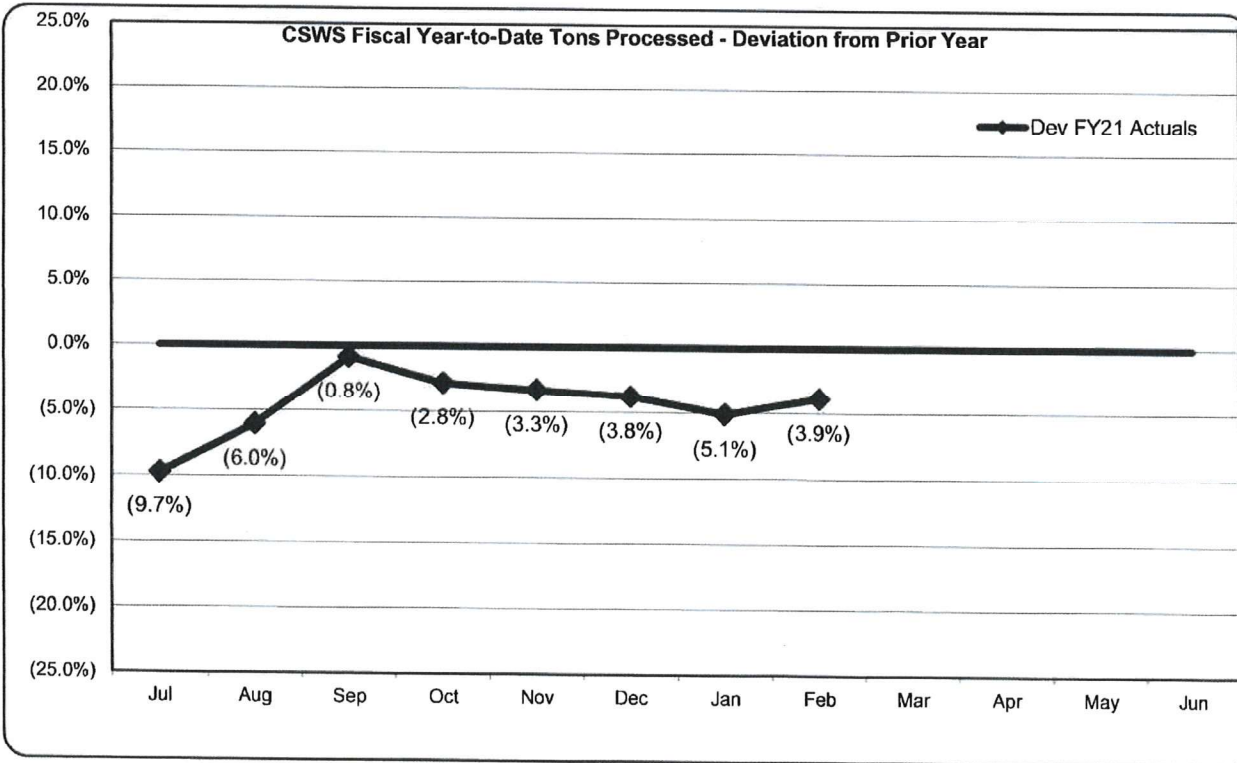
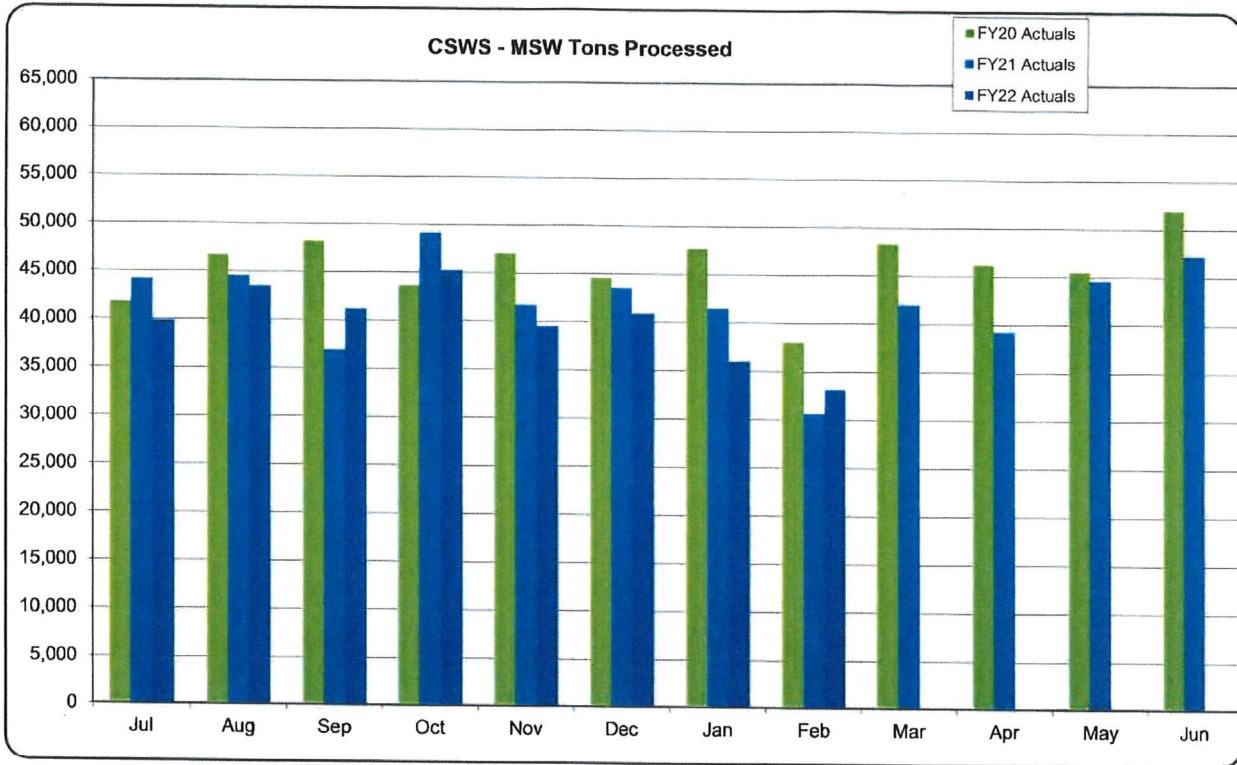
- (a) Favorable due to lower than budgeted direct and indirect labor & benefits allocation related to the following:
- reversal of accrued FY21 Payroll expenditure of approximately \$34k;
 - lower than budgeted salaries and benefits due to an employee who is on medical leave and receiving disability 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.

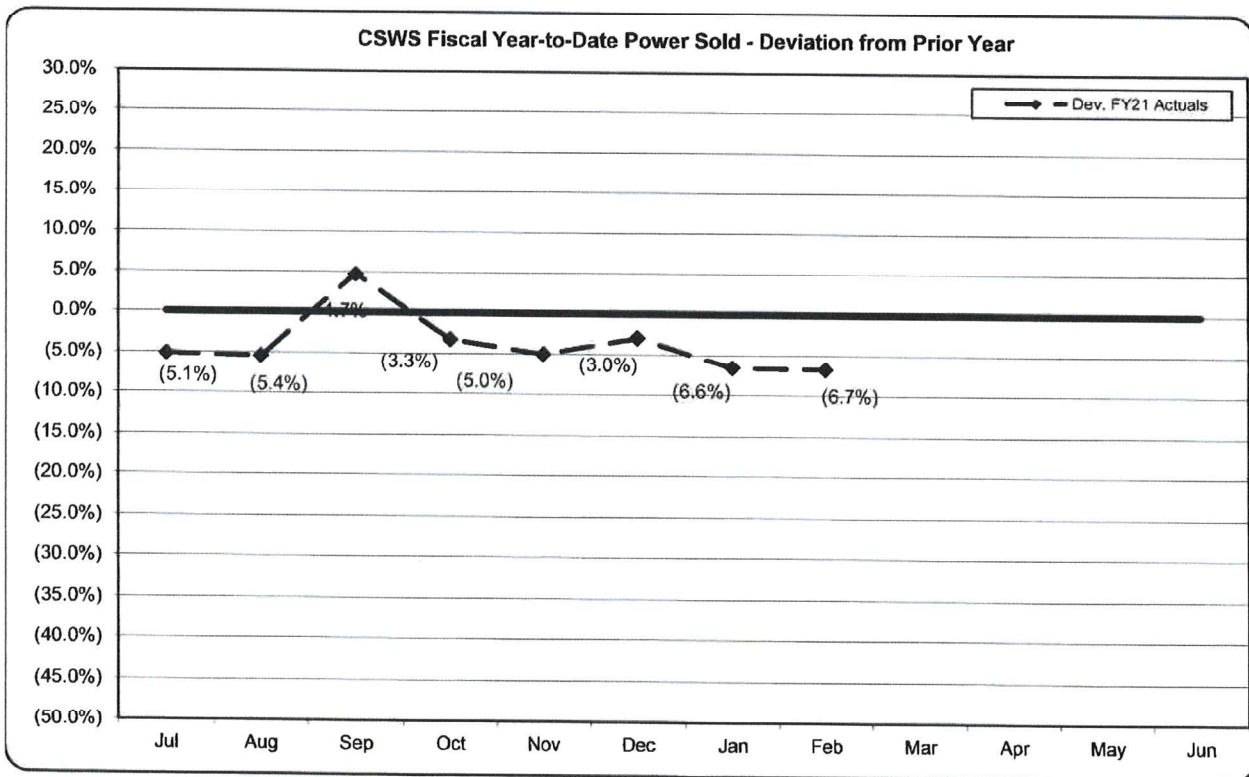
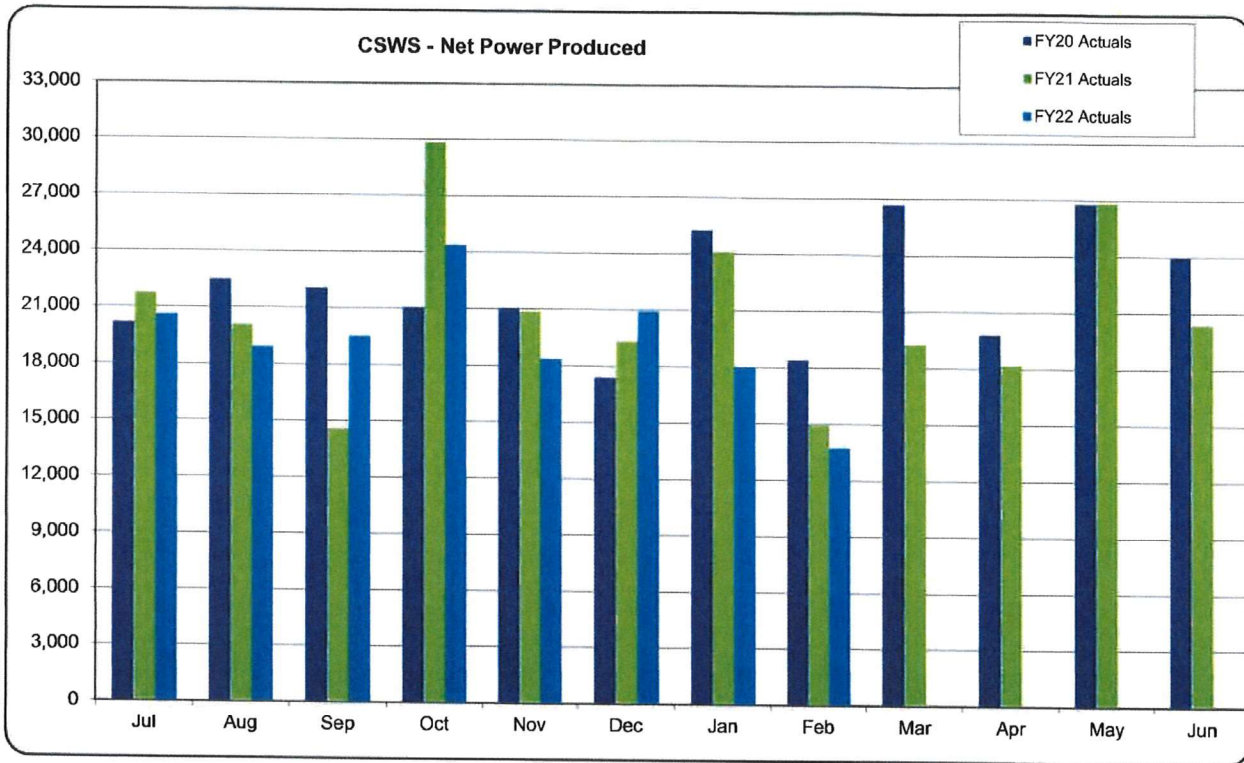
TAB B

MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Operational Summary
February-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	Feb 21	Feb 22	Change
CSWS									
Tons MSW Processed	549,717	505,335	(8.1%)	332,198	319,395	(3.9%)	30,675	33,156	8.1%
Steam (klbs)	3,264,837	3,096,441	(5.2%)	2,071,637	1,871,597	(9.7%)	184,357	174,912	(5.1%)
(% MCR)	53.8%	51.0%		58.8%	53.1%		39.6%	37.6%	
Power (Net MWh)	272,358	250,166	(8.1%)	165,476	154,342	(6.7%)	14,960	13,731	(8.2%)
South Meadow Jets									
Net MWh	1,616	1,694	4.8%	1,418	1,518	7.1%	245	73	100.0%





CSWS Waste to Energy Plant Monthly Operational Summary

Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Feb 22	52%	51%	10%

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 Clinker 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
02/05/22	02/08/22	11	70.80	External Drum Level Tap Leak
02/12/22	02/15/22	11	53.00	PSH Tube Leak
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
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
02/01/22	02/05/22	12	105.00	Low RDF Inventory
02/08/22	02/12/22	12	107.90	Lower Furnac Waterwall Tube Leaks
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

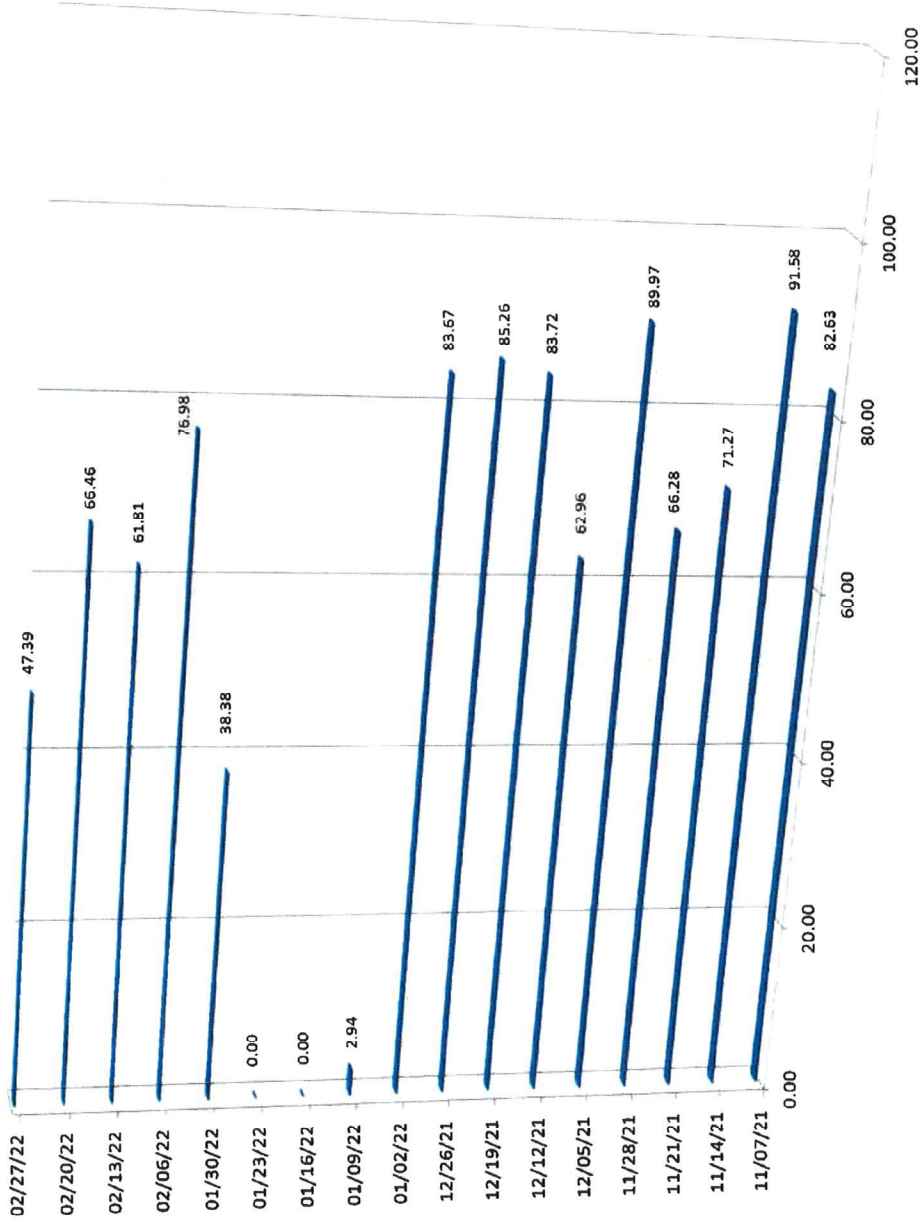
Scheduled Downtime

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
02/25/22	02/08/22	11	93.00	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
02/01/22	02/25/22	13	580.20	Scheduled Annual Outage

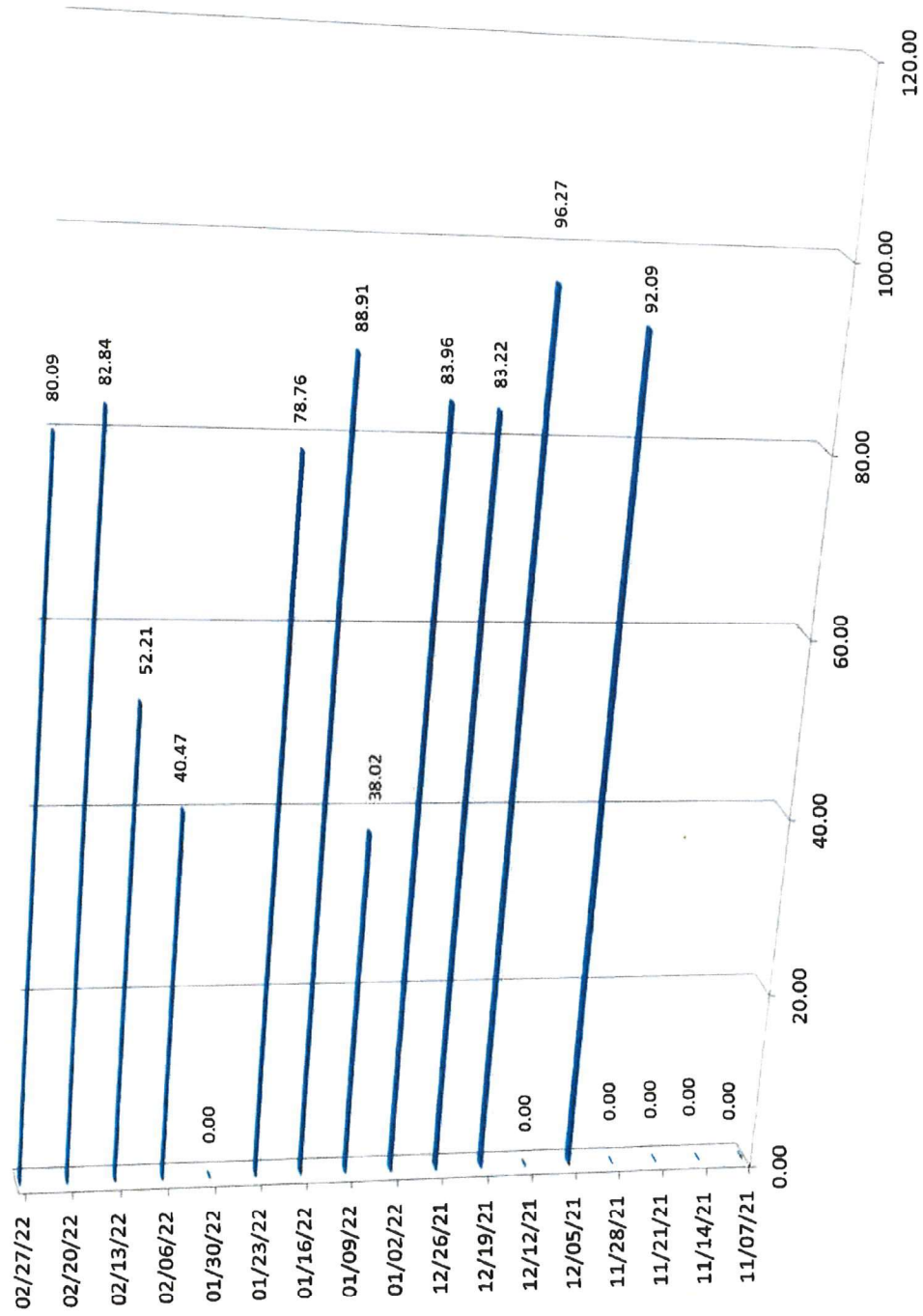
SOUTH MEADOWS JETS Monthly Operational Summary

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
01/21/22	60.06	Winter SCCA Test Attempt Units 11, 12
01/26/22	136.27	Winter SCCA Test Attempt Units 11, 13
01/27/22	141.00	Winter SCCA Test Attempt Units 12, 14
01/28/22	0.50	Tested Auto/ Manual Switch
02/28/22	73.27	SCCA Testing Unit 14

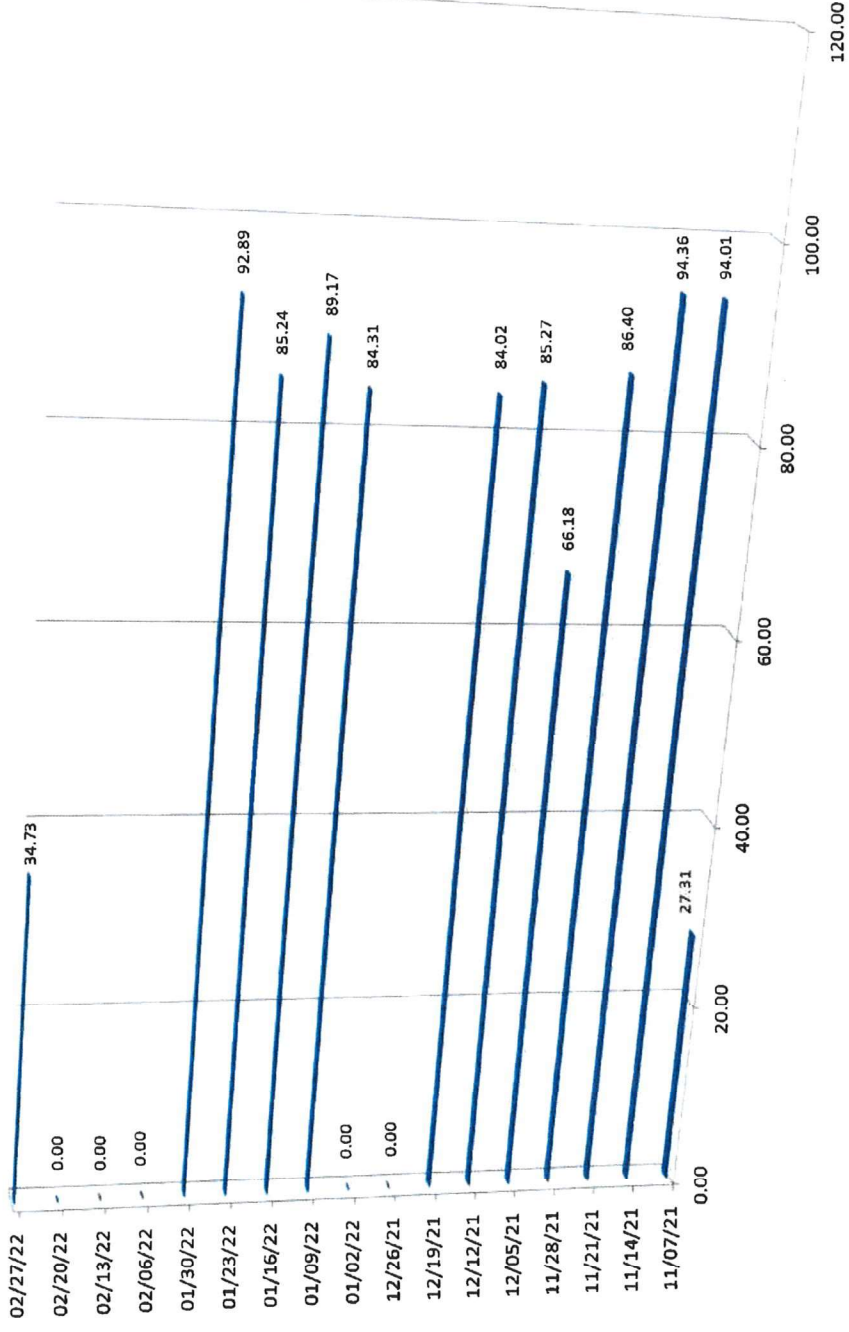
BLR#11 Steam Flow % of Target Steam flow Production



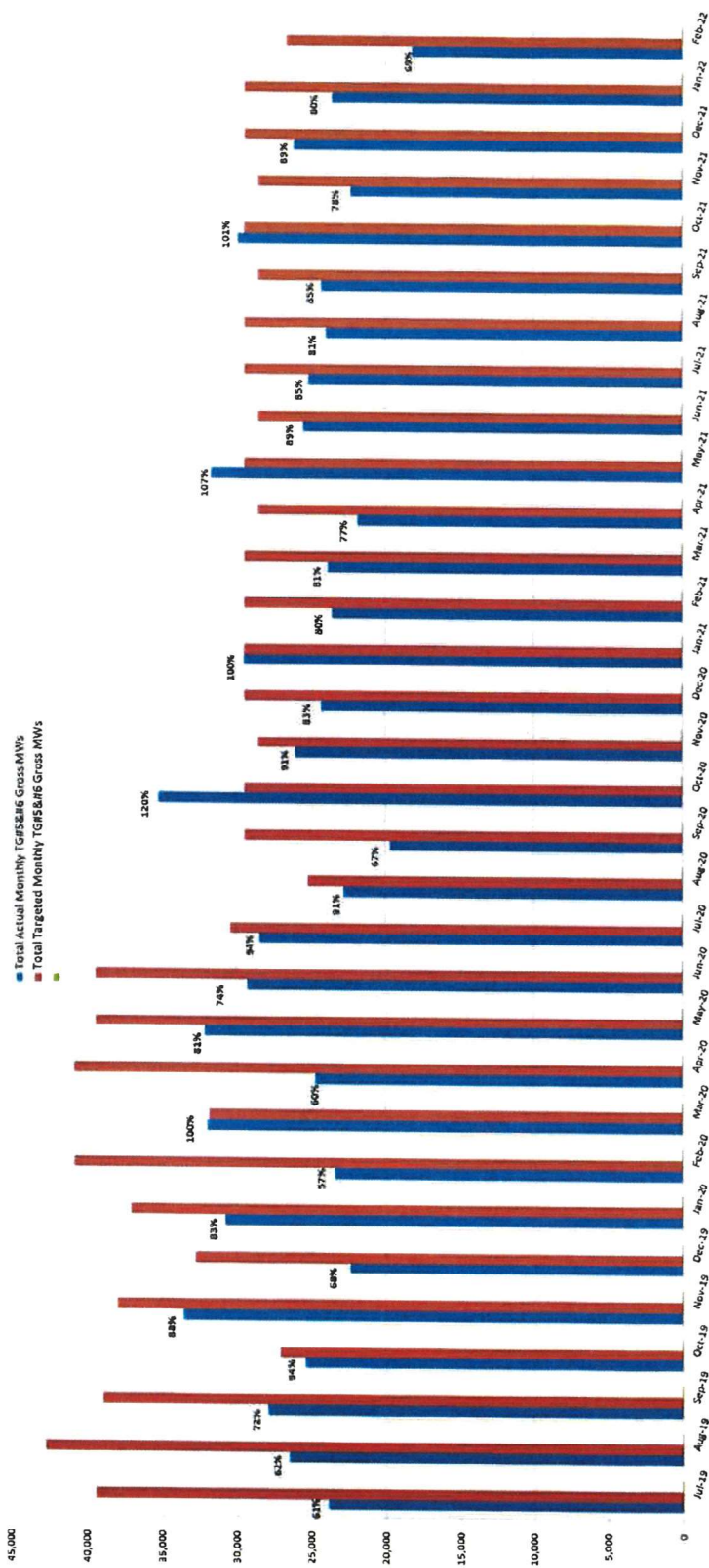
BLR#12 Steam Flow % of Target Steam flow Production



BLR#13 Steam Flow % of Target Steam flow Production



Combined Monthly TGF5. Gross MWs -Actual to Targeted



TAB C

MATERIALS INNOVATION AND RECYCLING AUTHORITY

Monthly Customer MSW and Recyclables Deliveries

February-22

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Feb 21	Feb 22	Growth
CSWS MSW									
Tier 1	391,251	400,941	2%	261,849	239,035	(9%)	26,369	24,510	(7%) (1)
Tier 2	13,013	13,580	4%	9,002	8,796	(2%)	895	913	2% (1)
Non-Processible MSW	2,637	2,946	12%	1,430	1,087	(24%)	78	7	(91%) (1)
Hauler Contract	114,976	64,521	(44%)	49,382	57,083	16%	3,952	6,220	57%
Contract (FCR Residue)	11,723	7,736	(34%)	6,368	0	(100%)	679	0	(100%) (1)
Ferrous Residue	6,868	6,502	(5%)	4,300	3,082	(28%)	407	132	(67%)
In-State Spot	0	9,219	-	1,269	6,818	437%	0	1,150	-
Out-of-State Spot	0	27	-	0	266	-	0	266	-
MSW TOTAL	540,468	505,471	(6%)	333,599	316,167	(6%)	32,380	33,199	2%

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Feb 21	Feb 22	Growth
CSWS Recyclables									
Tier 1	56,609	54,036	(5%)	36,426	31,742	(13%)	3,484	3,431	(2%) (2)
Hauler Contract	20,474	5,361	(74%)	5,046	747	(85%)	76	94	23% (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%)	41,472	32,488	(22%)	3,560	3,525	(1%)

MSW CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Feb 21	Feb 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	-
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	Feb 21	Feb 22	Growth
CSWS Facility and/or TS	4,122	11,216	172%	2,043	32,304	1481%	0	3,358	-
Re-Directed Material (2)	0	1,650	-	1,650	0	(100%)	0	0	-
TOTAL TONNAGE	4,122	12,866	212%	3,693	32,304	775%	0	3,358	-

(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	Feb 21	Feb 22	Growth
Avon	12,112	12,660	5%	8,319	8,596	3%	858	865	1%
Bethlehem	1,710	1,811	6%	1,201	1,195	(1%)	121	121	0%
Bloomfield	15,811	13,870	(12%)	8,752	10,518	20%	857	1,148	34%
Canaan	474	496	5%	318	338	6%	27	43	57%
Canton	4,637	4,779	3%	3,187	3,202	0%	327	322	(1%)
Clinton	8,193	8,371	2%	5,487	5,210	(5%)	527	522	(1%)
Chester	1,139	1,392	22%	962	756	(21%)	93	55	(41%)
Colebrook	604	595	(1%)	397	429	8%	37	38	2%
Cornwall	530	599	13%	408	375	(8%)	47	44	(6%)
Deep River	3,359	3,087	(8%)	2,013	2,132	6%	189	270	43%
Durham/Middlefield	6,634	5,988	(10%)	4,068	2,606	(36%)	372	182	(51%)
East Granby	2,480	2,221	(10%)	1,449	1,544	7%	152	132	(14%)
East Hartford (2)	27,411	28,425	4%	18,385	0	(100%)	1,859	0	(100%)
East Hampton	6,691	7,017	5%	4,698	4,042	(14%)	460	408	(11%)
Ellington	5,228	5,271	1%	3,476	3,437	(1%)	331	349	5%
Essex	2,997	2,640	(12%)	1,695	1,837	8%	181	193	6%
Farmington	13,526	12,866	(5%)	8,434	7,964	(6%)	896	807	(10%)
Glastonbury	18,718	19,725	5%	12,851	12,421	(3%)	1,351	1,205	(11%)
Goshen	1,452	1,543	6%	1,019	970	(5%)	91	88	(3%)
Granby	4,271	4,416	3%	2,918	2,987	2%	307	320	4%
Haddam	3,346	3,495	4%	2,291	2,290	(0%)	226	232	3%
Hartford	80,122	84,363	5%	54,182	55,392	2%	5,889	5,959	1%
Harwinton	2,017	2,061	2%	1,383	1,411	2%	132	151	14%
Killingworth	2,061	1,647	(20%)	1,082	1,135	5%	94	128	37%
Litchfield	5,264	5,360	2%	3,527	3,613	2%	318	355	12%
Lyme	759	798	5%	532	525	(1%)	50	56	11%
Marlborough	2,401	2,759	15%	1,804	1,764	(2%)	189	168	(11%)
Middlebury	2,369	2,504	6%	1,769	1,476	(17%)	173	162	(6%)
Naugatuck	13,281	13,939	5%	9,281	7,486	(19%)	834	809	(3%)
Newington	19,499	20,347	4%	13,261	13,110	(1%)	1,330	1,291	(3%)
Norfolk	777	774	(0%)	536	510	(5%)	39	47	20%
North Canaan	2,005	2,054	2%	1,360	1,366	0%	123	135	10%
North Branford (4)	4,996	4,467	(11%)	2,964	0	(100%)	258	0	(100%)
Old Lyme	4,133	4,966	20%	3,158	3,068	(3%)	267	222	(17%)
Old Saybrook	8,742	8,715	(0%)	5,774	5,856	1%	545	586	8%
Portland	3,734	4,100	10%	2,688	2,673	(1%)	263	283	7%
Rocky Hill	12,171	12,510	3%	8,281	8,411	2%	844	828	(2%)
Roxbury (3)	671	722	8%	498	0	(100%)	49	0	(100%)
RRDD#1	11,082	11,319	2%	7,431	7,273	(2%)	700	693	(1%)
Salisbury/Sharon	3,152	3,508	11%	2,316	2,193	(5%)	220	201	(9%)
Simsbury	11,370	11,315	(0%)	7,488	7,665	2%	758	774	2%
Thomaston	4,299	4,425	3%	2,881	3,030	5%	284	302	6%
Torrington	22,954	23,611	3%	15,403	15,734	2%	1,485	1,601	8%
Watertown	11,157	12,005	8%	7,848	7,154	(9%)	837	812	(3%)
Westbrook (1)	2,856	3,010	5%	1,943	2,307	19%	191	277	45%
Wethersfield	14,357	14,380	0%	9,418	10,140	8%	906	981	8%
Woodbury	3,699	4,015	9%	2,711	2,897	7%	278	344	24%
TOTAL TIER 1 PART.	391,251	400,941	2%	261,849	239,035	(9%)	26,369	24,510	(7%)

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

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

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

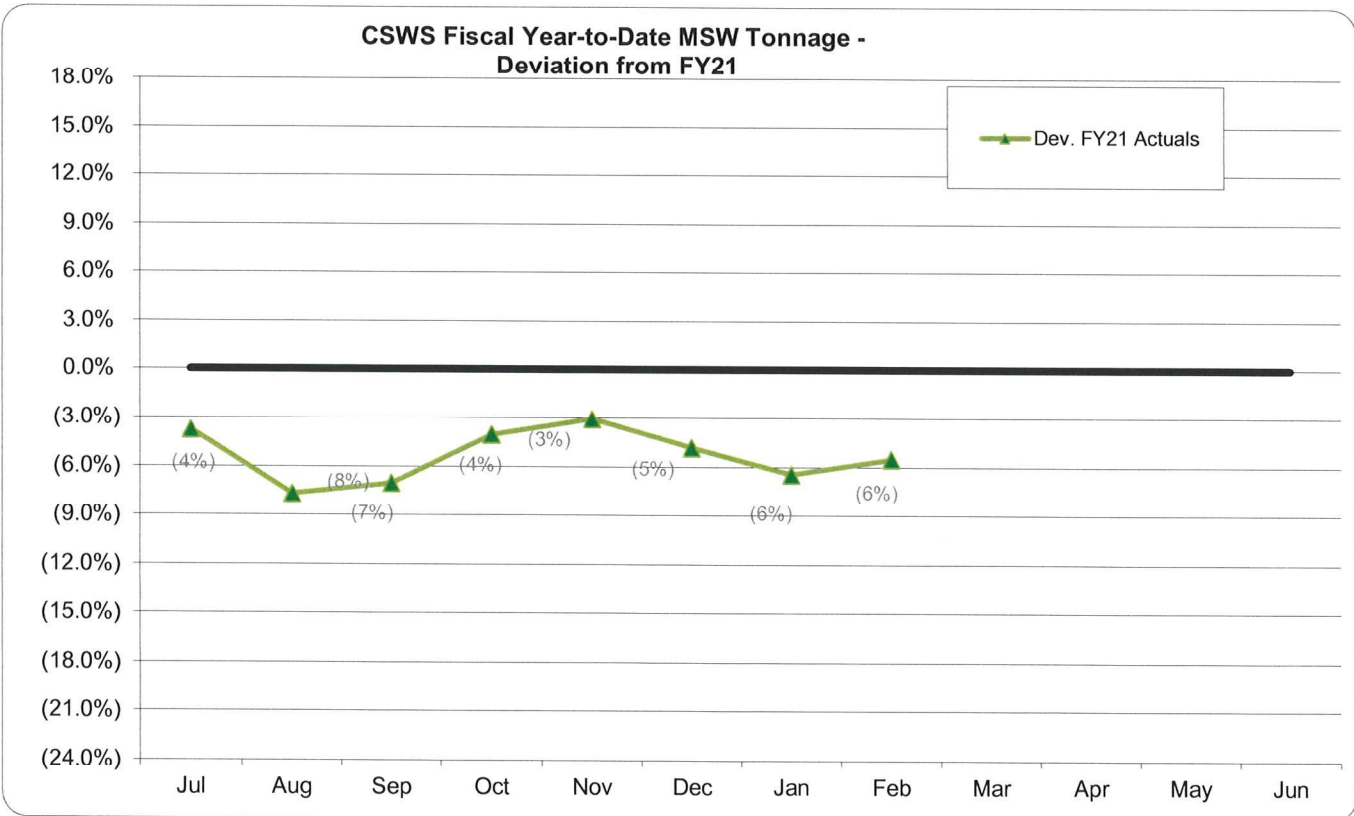
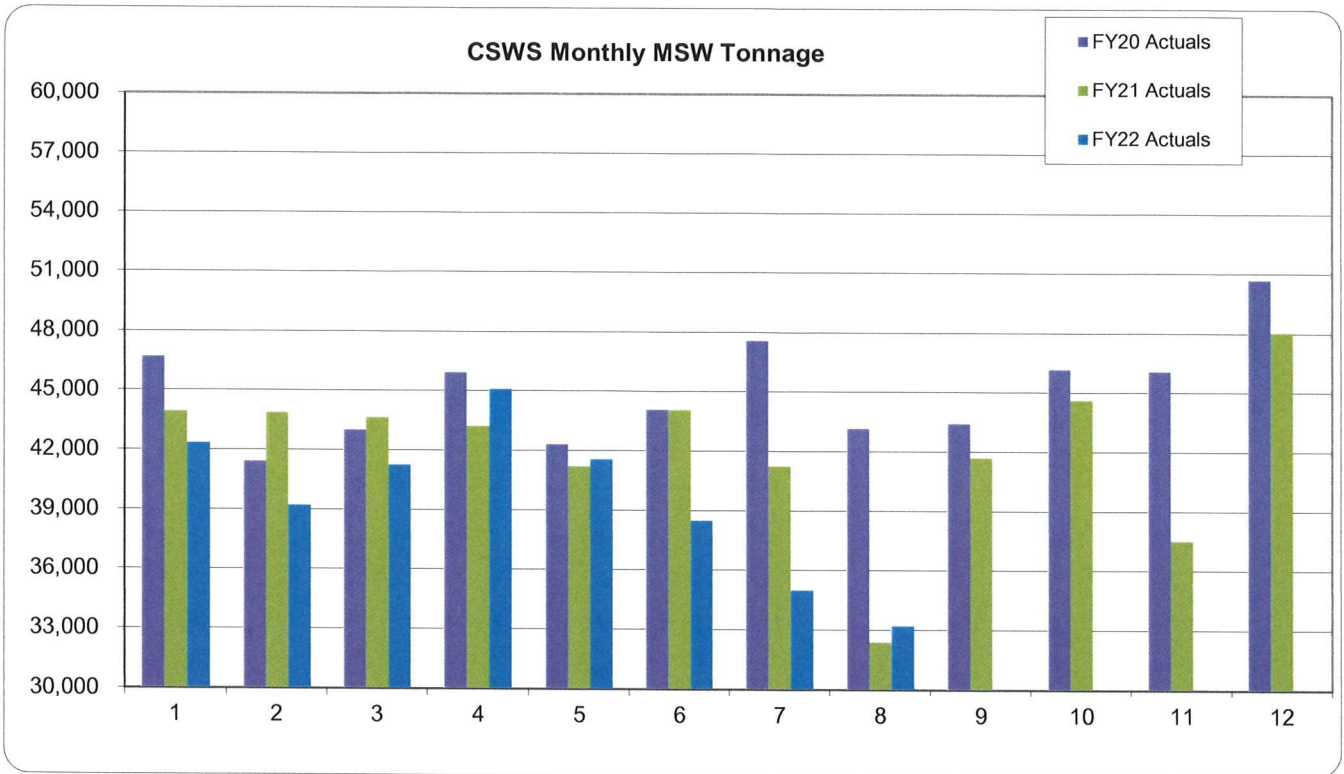
(4) North Branford- Not a Member starting 7/1/21

(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	Feb 21	Feb 22	Growth
Manchester	13,013	13,580	4%	9,002	8,796	(2%)	895	913	2%
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,013	13,580	4%	9,002	8,796	(2%)	895	913	2%

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	Feb 21	Feb 22	Growth
Avon	1,925	2,041	6%	1,349	1,266	(6%)	148	139	(6%) (a)
Bethlehem	367	369	1%	246	202	(18%)	24	22	(9%)
Bloomfield	1,582	1,568	(1%)	1,042	1,042	(0%)	94	104	11% (a)
Canaan	106	204	93%	102	113	10%	10	7	(30%)
Canton	891	920	3%	635	618	(3%)	70	64	(8%) (a)
Chester	328	405	23%	282	212	(25%)	23	12	(47%)
Clinton	1,215	1,029	(15%)	768	466	(39%)	49	65	34%
Colebrook	184	206	12%	137	139	1%	14	14	(1%)
Cornwall	174	190	9%	127	108	(15%)	15	12	(21%)
Deep River	400	292	(27%)	190	258	36%	23	42	86%
Durham/Middlefield	933	903	(3%)	619	467	(25%)	48	47	(3%) (a)
East Granby	439	478	9%	318	286	(10%)	39	40	5% (a)
East Hartford (2)	3,461	2,998	(13%)	1,988	0	(100%)	145	0	(100%) (a)
East Hampton	1,028	1,044	2%	695	679	(2%)	76	77	1% (a)
Ellington	1,263	1,290	2%	854	815	(4%)	90	83	(8%) (a)
Essex	828	748	(10%)	502	529	5%	42	62	46%
Farmington	2,221	2,086	(6%)	1,409	1,286	(9%)	145	137	(5%) (a)
Glastonbury	3,493	3,445	(1%)	2,378	2,072	(13%)	246	230	(6%) (a)
Goshen	371	383	3%	256	229	(10%)	25	22	(11%)
Granby	1,296	1,273	(2%)	859	827	(4%)	87	89	3% (a)
Haddam	649	672	3%	457	414	(9%)	49	48	(2%) (a)
Hartford	3,826	1,375	(64%)	946	1,469	55%	27	213	689% (a)
Harwinton	476	502	5%	339	314	(7%)	35	32	(9%)
Killingworth	494	462	(6%)	321	269	(16%)	41	32	(22%)
Litchfield	780	837	7%	543	531	(2%)	58	55	(6%)
Lyme	263	290	10%	196	190	(3%)	21	15	(28%)
Marlborough	523	533	2%	361	342	(5%)	34	46	34% (a)
Middlebury	898	922	3%	633	568	(10%)	65	65	1%
Naugatuck	2,216	2,249	1%	1,543	1,421	(8%)	146	157	7%
Newington	2,481	2,503	1%	1,670	1,575	(6%)	174	167	(4%) (a)
Norfolk	166	167	1%	117	110	(6%)	11	12	15%
North Branford (4)	1,210	1,159	(4%)	754	0	(100%)	66	0	(100%)
North Canaan	258	251	(3%)	176	170	(3%)	19	21	9%
Old Lyme	1,256	1,358	8%	919	842	(8%)	79	70	(11%)
Old Saybrook	1,276	1,414	11%	985	901	(9%)	84	92	9%
Portland	816	857	5%	582	536	(8%)	60	63	5% (a)
Rocky Hill	1,540	1,471	(4%)	988	934	(5%)	100	99	(2%) (a)
Roxbury (3)	232	268	16%	189	0	(100%)	18	0	(100%)
RRDD#1	1,666	1,671	0%	1,113	1,063	(4%)	110	110	0%
Salisbury-Sharon	1,179	1,229	4%	831	762	(8%)	76	66	(14%)
Simsbury	2,602	2,602	0%	1,759	1,659	(6%)	177	166	(6%) (a)
Thomaston	913	881	(3%)	599	631	5%	62	72	16%
Torrington	2,785	2,883	4%	1,885	1,848	(2%)	181	190	5%
Watertown	1,558	1,634	5%	1,111	1,031	(7%)	109	108	(0%)
Westbrook (1)	573	503	(12%)	332	355	7%	33	38	15%
Wethersfield	2,647	2,575	(3%)	1,714	1,658	(3%)	175	172	(1%) (a)
Woodbury	820	893	9%	606	534	(12%)	63	55	(13%)
TOTAL TIER 1 PART.	56,609	54,036	(5%)	36,426	31,742	(13%)	3,484	3,431	(2%)

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

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

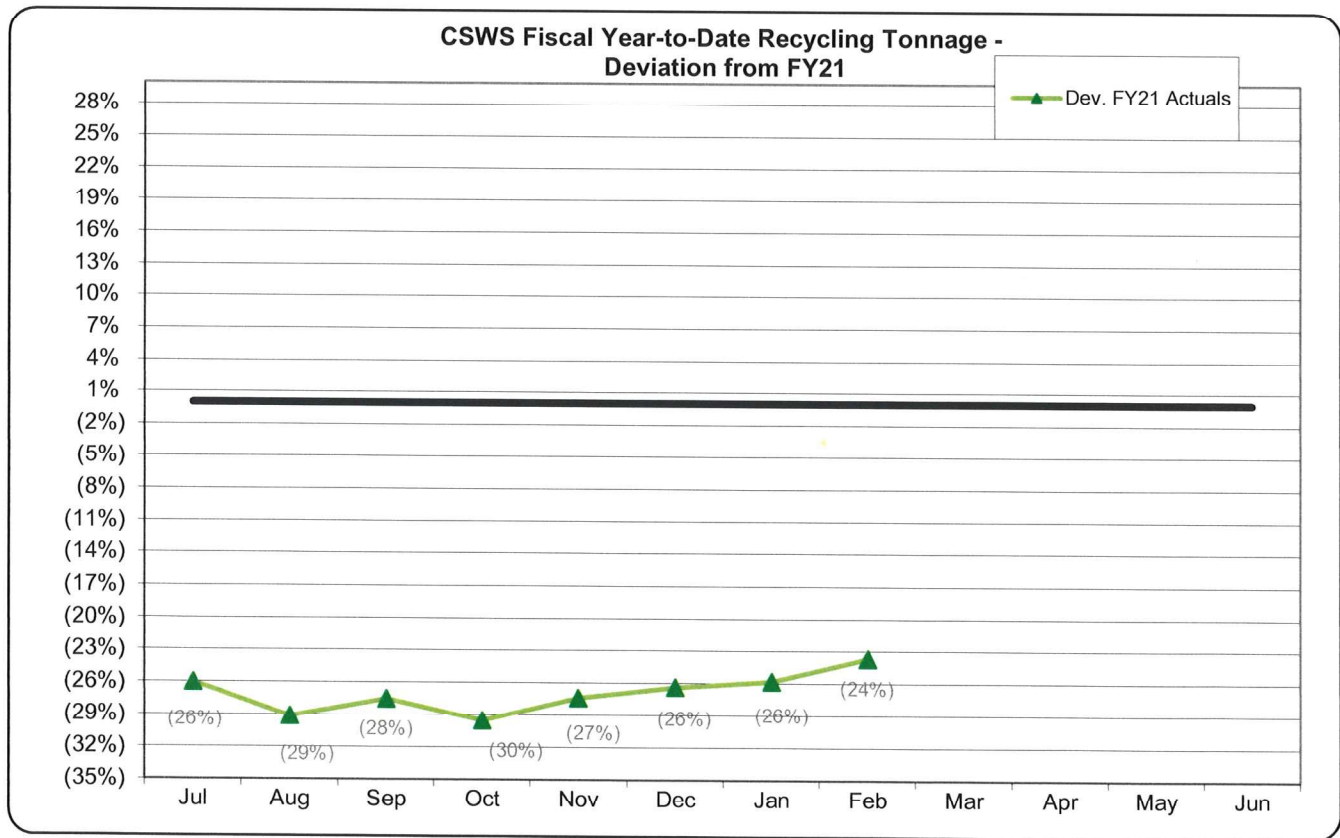
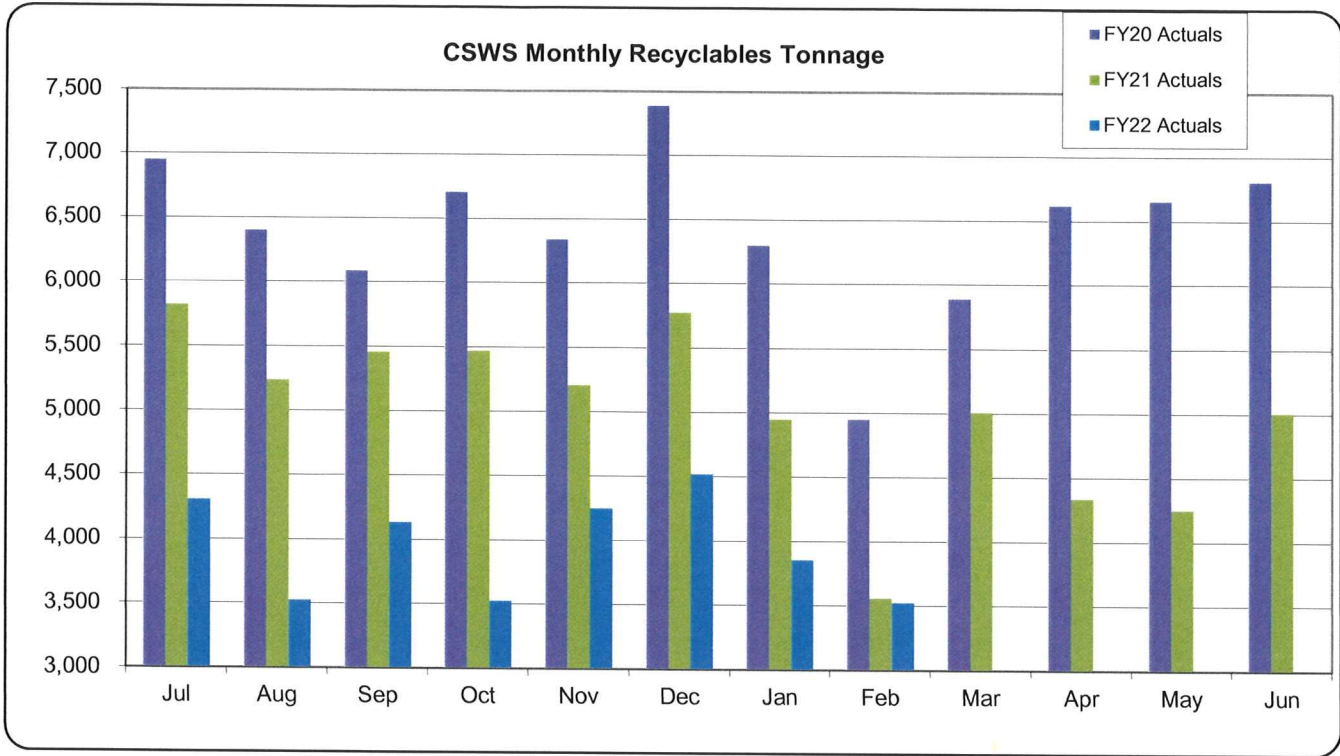
(2) East Hartford- Not a member starting 7/1/21

(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 2022 LEGAL REQUEST FOR SERVICES

FOR PERIOD ENDING 2/28/22

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 Ellington								\$ (2,000)	\$ (2,000)
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 PO#14826	\$ 25,000 \$ 25,000	\$ 24,249		\$ 751 \$ 20,249		\$ (7,080)	\$ 17,921 \$ 20,249
	Property Division		PO#14530	\$ 5,000						\$ -
	CSWS		PO#14532 PO#14825	\$ 25,000 \$ 75,000	\$ 25,000 \$ 43,446		\$ - \$ 12,000		\$ (2,990)	\$ 22,010 \$ 55,446
	NAES		PO#14594	\$ 60,000						\$ -
	NAES - from reserve account		PO#14687	\$ 300,000	\$ 85,005		\$ 1,850			\$ 86,855
	Landfill Division		PO#14529	\$ 5,000						\$ -
	MidCI									\$ -
Beginning Halloran & Sage		\$540,000.00		\$ 520,000	\$ 177,701	\$ -	\$ 34,850	\$ -	\$ (10,069)	\$ 202,481
Kainen, Escalera & McHale	Employment		PO#14531	\$ 15,000	\$ 6,287	\$ 237			\$ (237)	\$ 6,287
Total Kainen, Escalera & McHale		\$25,000.00		\$ 15,000	\$ 6,287	\$ 237	\$ -	\$ -	\$ (237)	\$ 6,287
Melick & Porter	Tremont									\$ -
Total Melick & Porter				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS:		\$575,000.00		\$ 535,000	\$ 183,988	\$ 237	\$ 34,850	\$ -	\$ (12,306)	\$ 206,768

Start new year: Board Resolution
 Cohn Birnbaum Shea 10,000.00
 Halloran & Sage 140,000.00
 Kainen 25,000.00
 \$ 175,000.00
 400,000
 9/22/21 175,000
 2/23/22 750,000.00

9/22/21 BOD approved \$400,000 for Halloran & Sage
 \$300,000 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

Agrees with Gen Ledger