



MEMORANDUM

TO: MIRA Board of Directors
FROM: Donald S. Stein, Chairman
DATE: February 17, 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, February 23, 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: 867 9567 8816, and entering Passcode: 097256# 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 January 19, 2022 Regular Board Meeting (*Attachment 1*).
- IV. Review and Approve – Minutes of the January 24, 2022 Special Board Meeting (*Attachment 2*).
- V. Finance Committee Report
 - a. Board Action will be sought for a Resolution Approving The Fiscal Year 2023 Authority Budget (*Attachment 3*).
 - b. Board Action will be sought for a Resolution Approving The Fiscal Year 2023 Property Division Operating Budget (*Attachment 4*).
 - c. Board Action will be sought for a Resolution Approving The Fiscal Year 2023 Connecticut Solid Waste System Operating and Capital Budget (*Attachment 5*).
 - d. Board Action will be sought for a Resolution Approving The Fiscal Year 2023 Landfill Division Operating Budget (*Attachment 6*).
- VI. Policies and Procurement Committee
 - a. Board Action will be sought for a Resolution Approving Additional FY 2022 Projected Legal Expenditures (*Attachment 7*).

- b. Board Action will be sought for a Resolution Approving an Extension to the Power Products Management Services Agreement with Nextera Energy Marketing, LLC (*Attachment 8*).

VII. OS & HR Committee Report

VIII. Chairman's and President's Report

- a. Attached Supplemental Information / Other Matters

IX. Executive Session to discuss:

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

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND FORTY-ONE

JANUARY 19, 2022

A Regular Telephonic Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held via Zoom on Wednesday, January 19, 2022. Present via audio or video conferencing were:

Appointed Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Bert Hunter
Suzette DeBeatham-Brown
Leonard Assard
Ed Mone
Dave Steuber
Richard Soderman
Tom Swarr
Luke Bronin

Present from MIRA:

Tom Kirk, President
Mark Daley, Chief Financial Officer
Laurie Hunt, Director of Legal Services
Peter Egan, Director of Operations and Environmental Affairs
Thomas Gaffey, Director of Recycling and Enforcement
Cheryl Kaminsky, Manager of Accounting and Financial Reporting
Roger Guzowski, Contract and Procurement Manager
Dave Bodendorf, Senior Environmental Engineer/Manager of Construction and Power Products

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:33 a.m. and said that a quorum was present.

PUBLIC PORTION

Chairman Stein said the agenda allowed for a public portion in which the Board would accept written testimony and allow individuals to speak for a limit of three minutes. Attorney Spinella addressed the board on behalf of his client, Murphy Road Recycling. He said that the resolution regarding his client’s proposal adopted by the board on December 20th mischaracterized and distorted that proposal, and repeated his request that MIRA forward his letter expressing MRR’s position to all board members. Chairman Stein assured Mr. Spinella that the board was aware of MRR’s position.

1. Approval of the Minutes of the December 8, 2021 Regular Board Meeting.

Chairman Stein requested a motion to accept the minutes of the December 8, 2021 Board meeting. The motion to approve the minutes was made by Director Mone 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 Brown, Director Mone, Director Assard, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain

Tom Swarr	X		
Luke Bronin	X		

2. Approval of the Minutes of the December 20, 2021 Special Board Meeting.

Chairman Stein requested a motion to accept the minutes of the December 20, 2022 Special Board meeting. The motion to approve the minutes was made by Director Mone 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 Brown, Director Mone, Director Assard, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		
Luke Bronin	X		

3. Resolution Regarding the Purchase of a Spare Jet Engine Using Funds from the Jets Major Maintenance Reserve.

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

RESOLVED: That the MIRA Board of Directors authorizes the use of \$168,000 from the Jets Major Maintenance Reserve for purchase, by NAES Corporation, of a jet engine which will serve as a spare unit at the South Meadows Jet Turbine Facility, 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 Brown, Director Mone, 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		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr			
Luke Bronin			

4. Resolution Regarding Ratification of an Emergency Procurement for repairs to the Torrington Transfer Station Tip Floor

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

RESOLVED: That the MIRA Board of Directors ratifies the Emergency Procurement as substantially 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 Brown, Director Mone, Director Assard, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		
Luke Bronin	X		

5. Resolution Regarding Approval of Spot Waste Solicitations Conducted in October and December 2021

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

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 two 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 two 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, 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 Brown, Director Mone, Director Assard, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		
Luke Bronin	X		

6. President’s Report.

President Kirk reported on the operational and financial status of the CSWS for the period ending November 30, 2021, including reduction in waste deliveries and favorable power prices during the month. He also mentioned new P&P and HR committee appointments.

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 asked Mr. Kirk, Mr. Daley, Mr. Egan, Ms. Hunt, Mr. Gaffey, and Attorney Catino to participate in the discussion. Chairman Stein, Director Fortuna, Director Hunter, Director Brown, Director Mone, Director Assard, Director Steuber, Director Soderman, Ad Hoc Swarr and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden			
Carl Fortuna	X		
Bert Hunter	X		
Suzette DeBeatham-Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		
Luke Bronin	X		

Executive Session began at 10:18 and ended at 12:35. 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

FIVE HUNDRED AND FORTY-TWO

January 24, 2022

A Special Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Monday, January 24, 2022. Present via video or audio conferencing were:

Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Susan Weisselberg
Bert Hunter
Suzette Brown (joined 1:15 p.m.)
Leonard Assard
Ed Mone
Dave Steuber
Richard Soderman
Tom Swarr (left 2:20 p.m.)

Present from MIRA:

Tom Kirk, President
Mark Daley, Chief Financial Officer
Laurie Hunt, Director of Legal Services
Peter Egan, Director of Operations and Environmental Affairs
Thomas Gaffey, Director of Recycling & Enforcement

Others Present:

Ann Catino, Halloran & Sage

At Chairman Stein's request, Vice Chairman Hayden chaired the meeting. He called the meeting officially to order at 1:02 p.m. and determined that a quorum was present.

PUBLIC PORTION

Acting Chairman Hayden 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. EXECUTIVE SESSION

Acting Chairman Hayden 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.

Acting Chairman Hayden 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 Mone, seconded by Director Hunter, and approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Weisselberg, 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	X		
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 1:08 and ended at 2:19, and public meeting resumed. Acting Chairman Hayden noted that no motions were made and no votes were taken in Executive Session.

2. RESOLUTION REGARDING NOTICES OF AWARD AUTHORIZED AT THE DECEMBER 20, 2021 SPECIAL BOARD MEETING.

Acting Chairman Hayden requested a motion on the above-referenced item. The motion was made by Director Mone and seconded by Director Fortuna.

WHEREAS: At its December 20, 2021 special telephonic meeting, the Materials Innovation and Recycling Authority (MIRA) Board of Directors adopted resolutions authorizing management to issue notices of award to i) CWPM LLC, ii) Covanta Sustainable Solutions (“Covanta”), iii) Enviro Express and iv) Murphy Road Recycling LLC in association with WIN Waste Innovations (“MRR/WIN”) providing for the operation and maintenance of CSWS Transfer Stations, and for the transportation and disposal of MSW and recycling, and which resolutions further authorized management to amend the terms of conditions of the CSWS Municipal Service Agreements; and

WHEREAS: Management has proceeded to issue such notices of award as authorized with certain limitations and conditions consistent with submitted proposals and business exceptions including, under the MRR / WIN award, the condition that all MSW generated within the boundaries of “Tier 1” Participating Municipalities and currently delivered direct to the CSWS Waste to Energy Facility will be directed by MIRA, pursuant to the Municipal Service Agreements, to the Murphy Road Recycling Transfer Station located at 123 / 143 Murphy Road, Hartford CT for transfer by rail to the WIN Tunnel Hill Reclamation Landfill in New Lexington, Ohio and the WIN Sunny Farms Landfill in Fostoria, Ohio; and

WHEREAS: Subsequent to the submission of its proposal, MRR/WIN sought to modify key terms and conditions of the proposal such that all MSW generated within Tier 1 Participating Municipalities would not be accommodated in the manner originally proposed which modification is contrary to the terms of MIRA’s Request for Proposals, which MIRA staff has determined would materially increase the municipal tipping fees that otherwise would need to be charged to Participating Municipalities and contrary to the terms and conditions of the Municipal Service Agreement and certain Participating Municipality ordinances; and

WHEREAS: MIRA’s notice of award to MRR / WIN provided a deadline of February 4, 2022 by which to complete a final agreement and February 23, 2022 by which this

Board shall approve the final agreement; and

WHEREAS: This Board desires to provide additional time for MIRA and MRR / WIN to negotiate and finalize the terms of an agreement consistent with the MRR/WIN original proposal including the limitations and conditions outlined in MIRA’s December 20, 2021 resolution and subsequent notice of award; and

WHEREAS: This Board further desires to provide additional time for CSWS Participating Municipalities that otherwise would be accommodated by the MRR / WIN proposal (the “Affected Municipalities”) to make considered decisions concerning their future waste management service providers and requirements; and

WHEREAS: This Board further desires to provide additional time for MIRA to develop alternative methods, potentially including additional requests for proposals, to reliably contract waste management services at a municipal tipping fee that is fiscally manageable for the Affected Municipalities to consider if such negotiations with MRR/WIN do not conclude successfully by the extended timeframe provided herein; and

WHEREAS: This Board further desires to establish the method of operation to provide waste management services to the Affected Municipalities on an interim basis if such negotiations with MRR/WIN do not conclude successfully by the extended timeframe provided herein;

Now therefore be it

RESOLVED: That the Board of Directors affirms its December 20, 2021 authorization to issue notices of award and negotiate the terms and conditions of final agreements with CWPM LLC, Covanta, Enviro Express and MRR / WIN; and

FURTHER RESOLVED: That management is directed to extend the deadline for negotiation of a final agreement with MRR / WIN by three (3) months to May 6, 2022 and to extend the deadline for Board approval of such final agreement by three (3) months to May 11, 2022; and

FURTHER RESOLVED: That management is directed to postpone decommissioning of the CSWS Waste to Energy Facility and establish a limited operation of such facility for a period of one (1) year to provide additional time to commence the initial transition to waste transfer activity effective July 1, 2022 at the CSWS Transfer Stations, followed by a completed transition effective no later than July 1, 2023 (such period being referred to herein as the “Transition Period”) with decommissioning of the CSWS Waste to Energy Facility to commence as soon as practicable following the completion of the transition; and

FURTHER RESOLVED: That unless otherwise agreed by a resolution of the Board, management is directed to limit operations of the CSWS Waste to Energy Facility during the Transition Period to “one boiler” operations as MIRA staff presented to the Board

during its meeting held January 19, 2022, with the exception that “two boiler” operations are permitted i) if required to transition the CSWS Transfer Stations to operation by CWPM LLC, Covanta and Enviro Express, in which case, management will use best efforts to attain “one boiler” operations as soon as practicable subsequent to July 1, 2022, ii) in order to provide supplemental disposal capacity in the event that operational or weather related circumstances restrict or impact the ability to transport or deliver MSW from MIRA’s transfer stations to the intended disposal facilities, or iii) in order to accommodate scheduled and unscheduled boiler outages; and

FURTHER RESOLVED: That management is directed to modify the terms and conditions of the MSA Amendment providing an interim framework for subsidizing municipal tipping fees for the Affected Municipalities; and

FURTHER RESOLVED: That management is directed to present to the Board not later than March 9, 2022 a program of operations for MIRA, including executive leadership, general management, other staff and third-party services required for the safe and reliable operation of the CSWS Transfer Stations and the CSWS Waste to Energy Facility during the Transition Period.

3. MOTION TO AMEND THE RESOLUTION.

Director Hunter moved to amend the pending resolution, and proffered his proposed revisions. Director Fortuna seconded the motion.

WHEREAS: At its December 20, 2021 special telephonic meeting, the Materials Innovation and Recycling Authority (MIRA) Board of Directors adopted resolutions authorizing management to issue notices of award to i) CWPM LLC, ii) Covanta Sustainable Solutions (“Covanta”), iii) Enviro Express and iv) Murphy Road Recycling LLC in association with WIN Waste Innovations (“MRR/WIN”) providing for the operation and maintenance of CSWS Transfer Stations, and for the transportation and disposal of MSW and recycling, and which resolutions further authorized management to amend the terms of conditions of the CSWS Municipal Service Agreements; and

WHEREAS: Management has proceeded to issue such notices of award as authorized with certain limitations and conditions consistent with submitted proposals and business exceptions including, under the MRR / WIN award, the condition that all MSW generated within the boundaries of “Tier 1” Participating Municipalities and currently delivered direct to the CSWS Waste to Energy Facility will be directed by MIRA, pursuant to the Municipal Service Agreements, to the Murphy Road Recycling Transfer Station located at 123 / 143 Murphy Road, Hartford CT for transfer by rail to the WIN Tunnel Hill Reclamation Landfill in New Lexington, Ohio and the WIN Sunny Farms Landfill in Fostoria, Ohio; and

WHEREAS: Subsequent to the submission of its proposal, MRR/WIN sought to modify key terms and conditions of the proposal such that all MSW generated within Tier 1

Participating Municipalities would not be accommodated in the manner originally proposed which modification is contrary to the terms of MIRA's Request for Proposals, which MIRA staff has determined would materially increase the municipal tipping fees that otherwise would need to be charged to Participating Municipalities and contrary to the terms and conditions of the Municipal Service Agreement and certain Participating Municipality ordinances; and

WHEREAS: MIRA's notice of award to MRR / WIN provided a deadline of February 4, 2022 by which to complete a final agreement and February 23, 2022 by which this Board shall approve the final agreement; and

WHEREAS: This Board desires to provide additional time for MIRA and MRR / WIN to negotiate and finalize the terms of an agreement consistent with the MRR/WIN original proposal including the limitations and conditions outlined in MIRA's December 20, 2021 resolution and subsequent notice of award; and

WHEREAS: This Board further desires to provide additional time for CSWS Participating Municipalities that otherwise would be accommodated by the MRR / WIN proposal (the "Affected Municipalities") to make considered decisions concerning their future waste management service providers and requirements; and

WHEREAS: This Board further desires to provide additional time for MIRA to develop alternative methods, potentially including additional requests for proposals, to reliably contract waste management services at a municipal tipping fee that is fiscally manageable for the Affected Municipalities to consider if such negotiations with MRR/WIN do not conclude successfully by the extended timeframe provided herein; and

WHEREAS: This Board further desires to establish the method of operation to provide waste management services to the Affected Municipalities on an interim basis if such negotiations with MRR/WIN do not conclude successfully by the extended timeframe provided herein;

Now therefore be it

RESOLVED: That the Board of Directors affirms its December 20, 2021 authorization to issue notices of award and negotiate the terms and conditions of final agreements with CWPM LLC, Covanta, Enviro Express and MRR / WIN; and

FURTHER RESOLVED: That management is directed to extend the deadline for negotiation of a final agreement with MRR / WIN, reasonably consistent with the December 20, 2021 Resolutions of the Board, with such further modifications of terms and conditions which, in the reasonable opinion of the CEO, are commercially sound in the circumstances, by three (3) months to May 6, 2022 and to extend the deadline for Board approval of such final agreement by three (3) months to May 11, 2022; and

FURTHER RESOLVED: That should management and MRR/WIN fail to agree a final

agreement, management is directed to postpone decommissioning of the CSWS Waste to Energy Facility and establish a limited operation of such facility for a period of one (1) year to provide additional time to commence the initial transition to waste transfer activity effective July 1, 2022 at the CSWS Transfer Stations, followed by a completed transition effective no later than July 1, 2023 (such period being referred to herein as the “Transition Period”) with decommissioning of the CSWS Waste to Energy Facility to commence as soon as practicable following the completion of the transition; and

FURTHER RESOLVED: That unless otherwise agreed by a resolution of the Board, should decommissioning of the CSWS Waste to Energy Facility be postponed and limited operation of such Facility be established for a period of one (1) year, management is directed to limit operations of the CSWS Waste to Energy Facility during the Transition Period to “one boiler” operations as MIRA staff presented to the Board during its meeting held January 19, 2022, with the exception that “two boiler” operations are permitted i) if required to transition the CSWS Transfer Stations to operation by CWPM LLC, Covanta and Enviro Express, in which case, management will use best efforts to attain “one boiler” operations as soon as practicable subsequent to July 1, 2022, ii) in order to provide supplemental disposal capacity in the event that operational or weather related circumstances restrict or impact the ability to transport or deliver MSW from MIRA’s transfer stations to the intended disposal facilities, or iii) in order to accommodate scheduled and unscheduled boiler outages; and

FURTHER RESOLVED: That management is directed to modify the terms and conditions of the MSA Amendment providing an interim framework for subsidizing municipal tipping fees for the Affected Municipalities; and

FURTHER RESOLVED: In the event decommissioning of the CSWS Waste to Energy Facility be postponed and limited operation of such Facility be established for a period of one (1) year, management is directed to present to the Board not later than April 13, 2022 a program of operations for MIRA, including executive leadership, general management, other staff and third-party services required for the safe and reliable operation of the CSWS Transfer Stations and the CSWS Waste to Energy Facility during the Transition Period.

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		

Carl Fortuna	X		
Susan Weisselberg	X		
Bert Hunter	X		
Suzette Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber	X		
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr			

4. MOTION TO FURTHER AMEND THE RESOLUTION

Director Fortuna moved a further amendment to the pending resolution. He proposed that the first paragraph beginning “Further Resolved” be amended to read as follows:

FURTHER RESOLVED: That management is directed to extend the deadline for negotiation of a final agreement with MRR / WIN, reasonably consistent with the December 20, 2021 Resolutions of the Board, with such further modifications of terms and conditions which, in the reasonable opinion of the CEO, are commercially sound in the circumstances, by two (2) months to April 6, 2022 and to extend the deadline for Board approval of such final agreement by three (3) months to May 11, 2022; and

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		
Carl Fortuna	X		

Susan Weisselberg	X		
Bert Hunter	X		
Suzette Brown	X		
Leonard Assard	X		
Ed Mone	X		
Dave Steuber		X	
Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr			

AMENDED RESOLUTION REGARDING NOTICES OF AWARD AUTHORIZED AT THE DECEMBER 20, 2021 SPECIAL BOARD MEETING.

Acting Chairman Hayden requested a vote on the resolution previously made and seconded, as amended.

WHEREAS: At its December 20, 2021 special telephonic meeting, the Materials Innovation and Recycling Authority (MIRA) Board of Directors adopted resolutions authorizing management to issue notices of award to i) CWPM LLC, ii) Covanta Sustainable Solutions (“Covanta”), iii) Enviro Express and iv) Murphy Road Recycling LLC in association with WIN Waste Innovations (“MRR/WIN”) providing for the operation and maintenance of CSWS Transfer Stations, and for the transportation and disposal of MSW and recycling, and which resolutions further authorized management to amend the terms of conditions of the CSWS Municipal Service Agreements; and

WHEREAS: Management has proceeded to issue such notices of award as authorized with certain limitations and conditions consistent with submitted proposals and business exceptions including, under the MRR / WIN award, the condition that all MSW generated within the boundaries of “Tier 1” Participating Municipalities and currently delivered direct to the CSWS Waste to Energy Facility will be directed by MIRA, pursuant to the Municipal Service Agreements, to the Murphy Road Recycling Transfer Station located at 123 / 143 Murphy Road, Hartford CT for transfer by rail to the WIN Tunnel Hill Reclamation Landfill in New Lexington, Ohio and the WIN Sunny Farms Landfill in Fostoria, Ohio; and

WHEREAS: Subsequent to the submission of its proposal, MRR/WIN sought to modify

key terms and conditions of the proposal such that all MSW generated within Tier 1 Participating Municipalities would not be accommodated in the manner originally proposed which modification is contrary to the terms of MIRA's Request for Proposals, which MIRA staff has determined would materially increase the municipal tipping fees that otherwise would need to be charged to Participating Municipalities and contrary to the terms and conditions of the Municipal Service Agreement and certain Participating Municipality ordinances; and

WHEREAS: MIRA's notice of award to MRR / WIN provided a deadline of February 4, 2022 by which to complete a final agreement and February 23, 2022 by which this Board shall approve the final agreement; and

WHEREAS: This Board desires to provide additional time for MIRA and MRR / WIN to negotiate and finalize the terms of an agreement consistent with the MRR/WIN original proposal including the limitations and conditions outlined in MIRA's December 20, 2021 resolution and subsequent notice of award; and

WHEREAS: This Board further desires to provide additional time for CSWS Participating Municipalities that otherwise would be accommodated by the MRR / WIN proposal (the "Affected Municipalities") to make considered decisions concerning their future waste management service providers and requirements; and

WHEREAS: This Board further desires to provide additional time for MIRA to develop alternative methods, potentially including additional requests for proposals, to reliably contract waste management services at a municipal tipping fee that is fiscally manageable for the Affected Municipalities to consider if such negotiations with MRR/WIN do not conclude successfully by the extended timeframe provided herein; and

WHEREAS: This Board further desires to establish the method of operation to provide waste management services to the Affected Municipalities on an interim basis if such negotiations with MRR/WIN do not conclude successfully by the extended timeframe provided herein;

Now therefore be it

RESOLVED: That the Board of Directors affirms its December 20, 2021 authorization to issue notices of award and negotiate the terms and conditions of final agreements with CWPM LLC, Covanta, Enviro Express and MRR / WIN; and

FURTHER RESOLVED: That management is directed to extend the deadline for negotiation of a final agreement with MRR / WIN, reasonably consistent with the December 20, 2021 Resolutions of the Board, with such further modifications of terms and conditions which, in the reasonable opinion of the CEO, are commercially sound in the circumstances, by two (2) months to April 6, 2022 and to extend the deadline for Board approval of such final agreement by three (3) months to May 11, 2022; and

FURTHER RESOLVED: That should management and MRR/WIN fail to agree a final agreement, management is directed to postpone decommissioning of the CSWS Waste to Energy Facility and establish a limited operation of such facility for a period of one (1) year to provide additional time to commence the initial transition to waste transfer activity effective July 1, 2022 at the CSWS Transfer Stations, followed by a completed transition effective no later than July 1, 2023 (such period being referred to herein as the “Transition Period”) with decommissioning of the CSWS Waste to Energy Facility to commence as soon as practicable following the completion of the transition; and

FURTHER RESOLVED: That unless otherwise agreed by a resolution of the Board, should decommissioning of the CSWS Waste to Energy Facility be postponed and limited operation of such Facility be established for a period of one (1) year, management is directed to limit operations of the CSWS Waste to Energy Facility during the Transition Period to “one boiler” operations as MIRA staff presented to the Board during its meeting held January 19, 2022, with the exception that “two boiler” operations are permitted i) if required to transition the CSWS Transfer Stations to operation by CWPM LLC, Covanta and Enviro Express, in which case, management will use best efforts to attain “one boiler” operations as soon as practicable subsequent to July 1, 2022, ii) in order to provide supplemental disposal capacity in the event that operational or weather related circumstances restrict or impact the ability to transport or deliver MSW from MIRA’s transfer stations to the intended disposal facilities, or iii) in order to accommodate scheduled and unscheduled boiler outages; and

FURTHER RESOLVED: That management is directed to modify the terms and conditions of the MSA Amendment providing an interim framework for subsidizing municipal tipping fees for the Affected Municipalities; and

FURTHER RESOLVED: In the event decommissioning of the CSWS Waste to Energy Facility be postponed and limited operation of such Facility be established for a period of one (1) year, management is directed to present to the Board not later than April 13, 2022 a program of operations for MIRA, including executive leadership, general management, other staff and third-party services required for the safe and reliable operation of the CSWS Transfer Stations and the CSWS Waste to Energy Facility during the Transition Period.

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		

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

5. Adjournment.

Acting Chairman Hayden requested a motion to adjourn. The motion was made by Director Mone and seconded by Director Soderman. The meeting adjourned at 2:41 p.m.

TAB 3

ATTACHMENT 3

DRAFT RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING APPROVING THE FISCAL YEAR 2023 AUTHORITY BUDGET

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

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

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

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

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

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

NOW THEREFORE, be it

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

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

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



EXHIBIT A (OPTION C WTE & TRANSFER OPERATIONS)

February 9 2022 Finance Committee Meeting

Total Personnel Services Budget

Total Authority Budget

	FY 2021 Actual	FY 2022 Adopted	FY 2023 Proposed	FY 2023 Proposed Increase or (Decrease) From			
				FY 2021 Actual		FY 2022 Adopted	
				\$	%	\$	%
Personnel Services							
Charged Direct to Projects	\$ 1,706,978	\$ 1,591,274	\$ 1,545,845	\$ (161,133)	-9.4%	\$ (45,429)	-2.9%
Indirect via Authority Budget	\$ 2,334,547	\$ 2,545,236	\$ 1,718,325	\$ (616,223)	-26.4%	\$ (826,911)	-32.5%
Total	\$ 4,041,526	\$ 4,136,510	\$ 3,264,170	\$ (777,356)	-19.2%	\$ (872,340)	-21.1%
Authority Budget							
Indirect Personnel Services	\$ 2,334,547	\$ 2,545,236	\$ 1,718,325	\$ (616,223)	-26.4%	\$ (826,911)	-32.5%
Non Personnel Services	\$ 697,585	\$ 738,521	\$ 807,118	\$ 109,533	15.7%	\$ 68,597	9.3%
Total	\$ 3,032,132	\$ 3,283,757	\$ 2,525,443	\$ (506,690)	-16.7%	\$ (758,314)	-23.1%
Combined Personnel and Non Personnel Services	\$ 4,739,111	\$ 4,875,031	\$ 4,071,288	\$ (667,823)	-14.1%	\$ (803,743)	-16.5%

Personnel Services

The FY 2023 total draft proposed Personnel Services budget of \$3,264,170 reflects a year of transition for the CSWS Waste to Energy Facility. Partial waste transfer operations commence July 1, 2022 and are supplemented by a limited (one boiler / one turbine / one year) Waste to Energy operation pursuant to Board resolution adopted January 24, 2022. Subject to modification to reflect development of a program of operations as directed in the January 24, 2022 Board resolution, the budget initially funds 26 positions (permanent and temporary) which is a reduction of four positions from the adopted FY 2022 budget. Initial assumptions made to develop the budget for full transfer operations pursuant to direction at the November 10, 2021 HR Committee were modified to maintain scale positions at current level and not reallocate personnel for decommissioning purposes. Otherwise the November 10, 2022 assumptions remain unchanged. The proposed budget reflects a 19.2% decrease in comparison to FY 2021 actual audited Personnel Services and a 21.1% decrease from the FY 2022 adopted budget for Personnel Services. The budget funds all salary, salary related and benefits for all budgeted MIRA positions.

Medical benefit costs are budgeted based on current actual premiums effective through June 30, 2022 plus escalation of 6.5% applied for FY 2023. Dental, vision and life / ADD are based on current premiums plus escalation of 10%, 4.5% and 4.5% applied for FY 2022, respectively. There is no proposed increase in current employee cost shares for medical and dental. Employee cost shares are subject to review during open enrollment.

The Personnel Services budget is segregated between positions allocated direct to projects and divisions and indirect positions allocated through the Authority Budget. Direct allocation is used when positions are dedicated solely to a specific project / function (CSWS scale operator positions being a good example). Indirect allocations are used when positions serve all projects and divisions (finance and accounting positions being a good example).

Authority Budget

The Authority Budget comprises the indirect portion of the Personnel Services budget described above and all Non Personnel Services not directly associated with a specific project or division. Non Personnel Services include such expenses as office rent, office supplies, postage and printing, insurance, brokerage, legal, information technology and consulting. The proposed Non Personnel Services budget of \$807,118 reflects a 15.7% increase from FY 2021 actual audited expenses and a 9.3% increase from the adopted FY 2022 budget due to increased cost of insurance allocated to the Authority Budget. See Exhibit 2 for the breakdown of Non Personnel Services which has been developed to reflect FY 2023 requested spending. The total proposed Authority Budget for FY 2023 is \$2,525,443 which represents a 16.7% reduction from FY 2021 actual expenses and a 23.1% decrease from the FY 2022 budget. See Exhibits 3 and 4 for the allocation of the Authority Budget and direct Personnel Services to the CSWS, Property and Landfill divisions. The reduction to CSWS allocated cost is consistent with the tip fee forecasts recently developed to reflect alternate transfer operation scenarios.

FY 2023 combined personnel and non-personnel services of \$4,071,288 reflects a 14.1% decrease in comparison to FY 2021 actual expenses and reflects a 16.5% reduction in comparison to the adopted FY 2022 budget.

EXHIBIT 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY
 FY 2023 (Option C WTE & Transfer Operations)
 TOTAL PERSONNEL SERVICE BUDGET

Total Personnel Services	FY22 Adopted	FY23 Proposed	Difference	% Inc/Dec
Labor Related Payroll				
Regular Payroll	\$ 2,957,934	\$ 2,323,568	\$ (634,366)	-21.45%
Merit / General Pool Increases	\$ -	\$ -	\$ -	100.00%
Unassigned MPA Adjustments	\$ 100,035	\$ -	\$ (100,035)	-100.00%
Overtime Payroll (Based upon prior year)	\$ 30,000	\$ 30,000	\$ -	0.00%
Total Labor	\$ 3,067,969	\$ 2,353,568	\$ (714,401)	-23.29%
Labor Related Payroll Taxes				
Medicare Tax	\$ 41,997	\$ 33,043	\$ (8,954)	-21.32%
Social Security	\$ 157,738	\$ 139,371	\$ (18,367)	-11.66%
CT Unemployment Compensation	\$ 19,140	\$ 7,410	\$ (11,730)	-61.29%
Total Payroll Tax	\$ 218,875	\$ 179,824	\$ (39,051)	-17.85%
Subtotal Labor Costs	\$ 3,286,844	\$ 2,533,392	\$ (753,452)	-22.92%
Employee Benefits				
Medical & Dental*	\$ 487,437	\$ 452,252	\$ (35,185)	-7.22%
Life and Disability*	\$ 37,193	\$ 27,637	\$ (9,556)	-25.69%
Vision*	\$ 6,889	\$ 6,148	\$ (741)	-10.76%
Medical Opt-out	\$ 28,014	\$ 15,531	\$ (12,483)	-44.56%
Total Health Benefits Costs	\$ 559,533	\$ 501,568	\$ (57,964)	-10.36%
Employee Medical & Dental Contributions*	\$ (52,195)	\$ (48,426)	\$ 3,769	-7.22%
Net Health Benefits Costs	\$ 507,337	\$ 453,142	\$ (54,195)	-10.68%
401-K Contributions (Regular Salary)	\$ 282,633	\$ 227,825	\$ (54,808)	-19.40%
Subtotal Employee Benefits Costs	\$ 790,000	\$ 681,027	\$ (108,973)	-13.79%
Wellness	\$ 10,975	\$ 9,730	\$ (1,245)	-11.35%
Other Benefit-Related Costs				
Other Benefits	\$ 7,000	\$ 2,000	\$ (5,000)	-71.43%
401(k) Consultant	\$ 11,800	\$ 14,000	\$ 2,200	18.64%
Benefits Administration Brokerage	\$ 21,000	\$ 21,000	\$ -	0.00%
Subtotal Other Benefit-Related Costs	\$ 40,800	\$ 37,000	\$ (3,800)	-9.31%
TOTAL PERSONNEL SERVICES	\$ 4,135,610	\$ 3,264,170	\$ (871,440)	-21.07%

exhibit 1 in C-286.pdf

HISTORICAL COMPARISON - BUDGET VERSUS ACTUAL

Fiscal Year	Budget		Actual		Difference Amount
	Adopted	Inc/Dec	Amount	Inc/Dec	
FY16	\$ 5,243,847		\$ 4,872,758		\$ (371,089)
FY17	\$ 4,746,502	-9.48%	\$ 4,277,053	-12.23%	\$ (469,449)
FY18	\$ 4,604,275	-3.00%	\$ 4,382,246	-2.46%	\$ (222,029)
FY19	\$ 4,500,781	-2.25%	\$ 4,243,799	-3.16%	\$ (256,982)
FY20	\$ 4,398,267	-2.28%	\$ 4,220,058	-4.06%	\$ (178,209)
FY21	\$ 4,296,850	-2.31%	\$ 4,041,526	-4.75%	\$ (255,324)
Total	\$ 27,996,422		\$ 26,037,440		\$ (1,958,982)

MIRA FY18 - FY23 Personnel Services Expenses

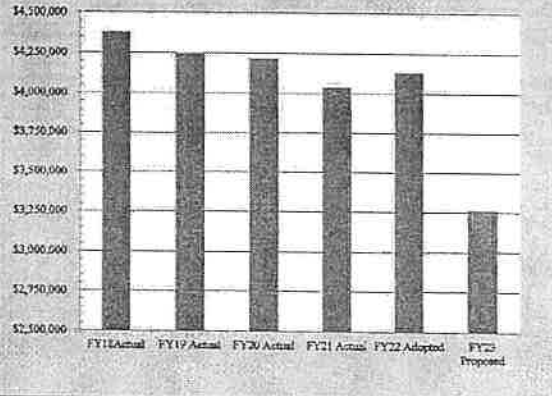


EXHIBIT 2
MATERIALS INNOVATION AND RECYCLING AUTHORITY
FY 2023 (Option C WTE & Transfer Operations)
TOTAL NON PERSONNEL SERVICES BUDGET

Description	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23	Increase or (Decrease) From			
				FY 2021 Actual		FY 2022 Adopted	
				\$	%	\$	%
Postage and Delivery Fees	\$ 6,042	\$ 9,700	\$ 7,600	\$ 1,558	25.8%	\$ (2,100)	-21.6%
Telecommunications	\$ 49,149	\$ 53,500	\$ 53,800	\$ 4,651	9.5%	\$ 300	0.6%
Copier	\$ 3,810	\$ 4,300	\$ 4,300	\$ 490	12.9%	\$ -	0.0%
Printing Services	\$ 1,167	\$ 1,250	\$ 1,250	\$ 83	7.1%	\$ -	0.0%
Advertising - Legal Notices/Recruitment	\$ -	\$ 6,000	\$ 4,000	\$ 4,000	100.0%	\$ (2,000)	-33.3%
Customer Service	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Office Supplies	\$ 3,544	\$ 5,500	\$ 3,500	\$ (44)	-1.2%	\$ (2,000)	-36.4%
Protect Clothing/Safety Equipment	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Miscellaneous Services	\$ -	\$ 5,500	\$ 1,500	\$ 1,500	100.0%	\$ (4,000)	-72.7%
Subscript/Publ/Ref. Material	\$ 3,950	\$ 3,610	\$ 4,500	\$ 550	13.9%	\$ 890	24.7%
Dues-Professional Organizations	\$ 3,795	\$ 6,035	\$ 3,620	\$ (175)	-4.6%	\$ (2,415)	-40.0%
Business Meetings and Travel	\$ 2,983	\$ 3,150	\$ 1,850	\$ (1,133)	-38.0%	\$ (1,300)	-41.3%
Training	\$ 789	\$ 2,000	\$ 2,000	\$ 1,211	153.5%	\$ -	0.0%
Payroll Software Services	\$ 12,728	\$ 15,000	\$ 15,000	\$ 2,272	17.8%	\$ -	0.0%
Record Retention Services	\$ 6,670	\$ 7,400	\$ 7,400	\$ 730	10.9%	\$ -	0.0%
Mileage Reimbursement	\$ 1,231	\$ 500	\$ 300	\$ (931)	-75.6%	\$ (200)	-40.0%
Vehicle Repair/Maintenance	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Office Equipment Service	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Building Operations	\$ 1,594	\$ 1,000	\$ 1,000	\$ (594)	-37.3%	\$ -	0.0%
Insurance Claims/Losses	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Bad Debt Expense	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Rent	\$ 198,590	\$ 202,576	\$ 205,898	\$ 7,308	3.7%	\$ 3,322	1.6%
Fuel for Vehicles	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Temporary Agency Services	\$ 34,250	\$ 4,000	\$ 2,500	\$ (31,750)	-92.7%	\$ (1,500)	-37.5%
Insurance Premiums	\$ 142,170	\$ 116,700	\$ 224,500	\$ 82,330	57.9%	\$ 107,800	92.4%
Information Technology Consultant	\$ 360	\$ 5,600	\$ 5,600	\$ 5,240	1455.6%	\$ -	0.0%
Information Technology Maintenance	\$ 59,282	\$ 99,100	\$ 65,000	\$ 5,718	9.6%	\$ (34,100)	-34.4%
Legal Fees	\$ 68,993	\$ 45,000	\$ 65,000	\$ (3,993)	-5.8%	\$ 20,000	44.4%
Auditor	\$ 39,000	\$ 75,000	\$ 41,000	\$ 2,000	5.1%	\$ (34,000)	-45.3%
Insurance Consulting/Brokerage	\$ 2,094	\$ 2,100	\$ 30,000	\$ 27,906	1332.7%	\$ 27,900	1328.6%
Engineering, Technology & Consulting	\$ 39,045	\$ 17,000	\$ 15,000	\$ (24,045)	-61.6%	\$ (2,000)	-11.8%
Vehicles	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Office Furniture	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Computer Hardware	\$ 2,798	\$ 32,000	\$ 20,000	\$ 17,202	614.7%	\$ (12,000)	-37.5%
Computer Software	\$ 1,164	\$ 2,500	\$ 11,000	\$ 9,836	845.2%	\$ 8,500	340.0%
Debt Service - Principal	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Other Equipment	\$ 4,895	\$ 2,500	\$ -	\$ (4,895)	-100.0%	\$ (2,500)	-100.0%
Trustee / Bank Fees	\$ 7,490	\$ 10,000	\$ 10,000	\$ 2,510	33.5%	\$ -	0.0%
Resource Rediscovery	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Operational Contingency	\$ -	\$ -	\$ -	\$ -	100.0%	\$ -	100.0%
Subtotal Non-Personnel Services	\$ 697,585	\$ 738,521	\$ 807,118	\$ 109,533	15.7%	\$ 68,597	9.3%

EXHIBIT 3

MATERIALS INNOVATION AND RECYCLING AUTHORITY

MIRA PRIMARY INDIRECT EXPENSE ALLOCATION METHODOLOGY BY PROJECT / DIVISION

FY2023 BUDGET
(000 omitted on \$ Amounts)

	CSWS	Property Division	Landfill Division	Southeast	Mid-Con Project	Total
MSW Tons FY21 Actual	544,993					544,993
Percentage	100.0%	0.0%	0.0%	0.0%	0.0%	100%
Weighting	10.0%	10.0%	10.0%	10.0%	10.0%	
Adjusted Weighting	10.0%	0.0%	0.0%	0.0%	0.0%	10%
Recycling Deliveries FY21 Actual	59,373					59,373
Percentage	100.0%	0.0%	0.0%	0.0%	0.0%	100%
Weighting	10.0%	10.0%	10.0%	10.0%	10.0%	
Adjusted Weighting	10.0%	0.0%	0.0%	0.0%	0.0%	10%
Total Operating Revenues FY21 Actual	\$ 60,888	\$ 10,761	\$ 124			71,764
Percentage	84.8%	14.9%	0.2%	0.0%	0.0%	100%
Weighting	15.0%	15.0%	15.0%	15.0%	15.0%	
Adjusted Weighting	12.7%	2.2%	0.0%	0.0%	0.0%	15%
Total Current Assets FY21 Actual	\$ 26,381	\$ 44,248	\$ 2,519			73,239
Percentage	36.0%	60.4%	3.6%	0.0%	0.0%	100%
Weighting	15.0%	15.0%	15.0%	15.0%	15.0%	
Adjusted Weighting	5.4%	9.1%	0.5%	0.0%	0.0%	15%
Transactions FY 21 Actual	1,672	623	107			2,662
Percentage	62.8%	30.5%	6.3%	0.0%	0.0%	100%
Weighting	25.0%	25.0%	25.0%	25.0%	25.0%	
Adjusted Weighting	15.7%	7.7%	1.6%	0.0%	0.0%	25%
Full Time Equivalents FY 23 Budget	13.37	0.63				13
Percentage	95.2%	4.8%	0.0%	0.0%	0.0%	100%
Weighting	25.0%	25.0%	25.0%	25.0%	25.0%	
Adjusted Weighting	23.8%	1.2%	0.0%	0.0%	0.0%	25%
Cumulative Weighting	100.00%	100.00%	100.00%	100.00%	100.00%	
Total Adjusted Weighting	77.621%	20.240%	2.139%	0.000%	0.000%	100.000%

EXHIBIT 4
MATERIALS INNOVATION AND RECYCLING AUTHORITY
FY 2023 PROPOSED (WTE Continues)
ALLOCATION OF AUTHORITY BUDGET & DIRECT PERSONNEL SERVICES

Total Authority Budget \$ 2,525,443

Project / Division	Indirect Allocation Benchmarked Percent	Authority Budget Allocation
Mid-Connecticut	0.000%	\$ -
Southeast Project	0.000%	\$ -
Landfill Division	2.139%	\$ 54,027
Property Division	20.240%	\$ 511,149
CSWS	77.621%	\$ 1,960,267
Total Authority Budget	100.000%	\$ 2,525,443

Total Direct Personnel Services \$ 1,545,845

Project / Division	Direct Personnel Service Allocation	
	Function	FY 2022 Budget
Mid-Connecticut		\$ -
Southeast Project		\$ -
Landfill Division		\$ -
Property Division	Operations Staff - Jets	\$ 126,587
CSWS	Operations Staff - CSWS	\$ 1,419,258
Total Direct Personnel Services		\$ 1,545,845

Combined Authority Budget and Direct Personnel Services \$ 4,071,288

Project / Division	Overall Allocation Percent	Total Allocated Cost
Mid-Connecticut	0.00%	\$ -
Southeast Project	0.00%	\$ -
Landfill Division	1.33%	\$ 54,027
Property Division	15.66%	\$ 637,737
CSWS	83.01%	\$ 3,379,524
Total Combined Authority Budget & Direct Personnel Services	100.00%	\$ 4,071,288

TAB 4

ATTACHMENT 4

DRAFT RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING APPROVING THE FISCAL YEAR 2023 PROPERTY DIVISION OPERATING BUDGET

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

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

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

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

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

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

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

NOW THEREFORE, be it

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

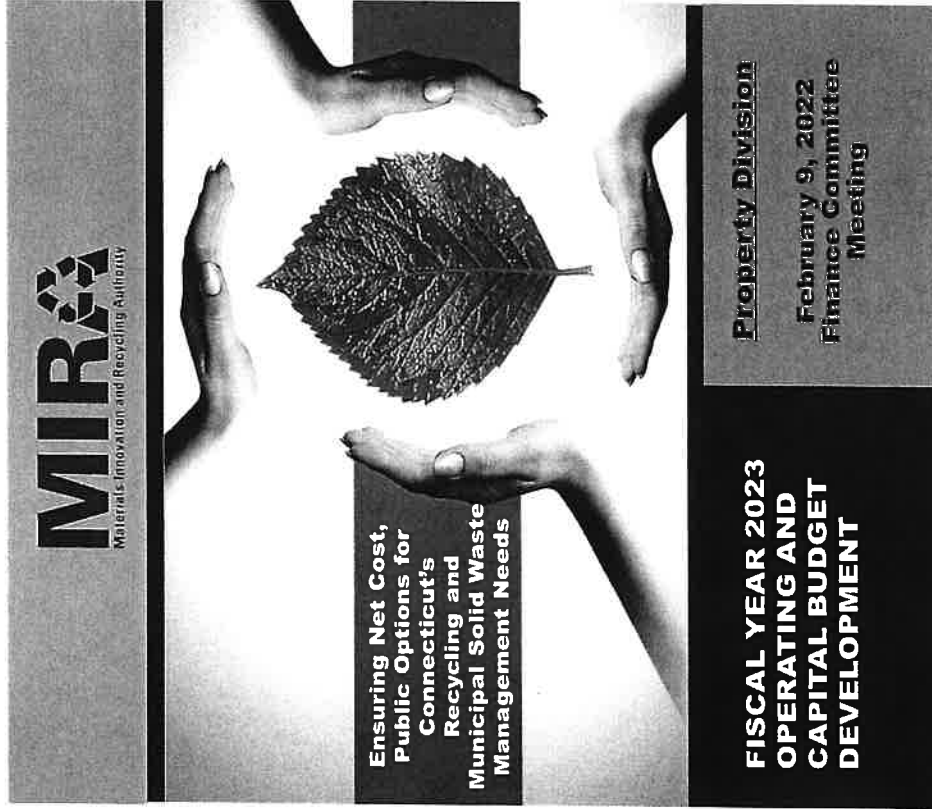
FURTHER RESOLVED: Following the transfer of Property Division receipts to its operating fund each month in accordance with MIRA's Flow of Funds procedure, Management is directed to transfer the next five million, six hundred and fifty thousand dollars (\$5,650,000) in Property Division receipts to the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

FURTHER RESOLVED: Management is authorized to establish a CSWS Waste to Energy Facility Decommissioning Reserve within the State Treasurer's Short Term Investment Fund ("Decommissioning Reserve") and to transfer the sum of three million three hundred thousand dollars (\$3,300,000) from the Property Division's General Fund into such Decommissioning Reserve.

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

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

MATERIALS INNOVATION AND RECYCLING AUTHORITY – PROPERTY DIVISION



- ▶ Summary Draft Budget
- ▶ Highlights
- ▶ Total Operating Revenue
- ▶ Total Operating Expense
- ▶ Capital Improvements & Major Maintenance
- ▶ Property Division Income Trend

SUMMARY DRAFT BUDGET

▶ Total Operating Revenues - \$7,593,468
▶ Total Operating Expenses - \$1,795,687
▶ Operating Income - \$5,797,781

▶ Property Division FY 2022 Flow of Funds:

▶ MIRA Severance Reserve -	\$0
▶ PD General Fund -	\$ 147,781
▶ Jets Major Maintenance Reserve -	\$0
▶ PD Improvement Fund -	\$0
▶ CSWS Improvement Fund -	\$0
▶ Tip Fee Stabilization Fund -	<u>\$ 5,650,000</u>
▶ Total Reserves / Transfers -	\$ 5,797,781

▶ Additional use of reserve (for Waste to Energy Facility decommissioning) - \$3,300,000

HIGHLIGHTS

- ▶ **Operating Revenues decline by \$2,395,662 (24.0%) from FY 2022 to FY 2023 budget:**
 - ▶ Jets capacity payments decline - \$(1,921,648)
 - ▶ Other Jets energy markets decline - \$ (230,336)
 - ▶ Lease revenue declines - \$ (3,678)
 - ▶ Interest income declines - \$ (240,000)

- ▶ **Operating Expenses decrease by \$1,022,786 (36.3%) from FY 2022 to FY 2023 budget:**
 - ▶ Allocated Authority Budget declines - \$(210,535)
 - ▶ Allocated direct personnel increase - \$ 5,895
(excludes decommissioning)
 - ▶ MIRA direct non personnel decline - \$(172,560)
 - ▶ Other facility expenses increase - \$ 1,125
 - ▶ Jets operating charges decrease - \$(646,711)
 - ▶ Decrease to Jet fuel budget of \$404,746.
 - ▶ NAES contract operating charges decrease \$254,215.
 - ▶ MIRA operating expenses increase \$12,250.

- ▶ **\$5.80 million in Operating Income represents a 19.2% decline from FY 2022**
 - ▶ \$5.25 million dedicated to Tip Fee Stabilization Fund

- ▶ **Additional \$3.3 million use of reserve for Waste to Energy Facility decommissioning**

TOTAL OPERATING REVENUE

▶ Electric Generation from Jets-		\$7,064,881
▶ Forward Capacity Market -	\$ 6,207,007	
▶ Reserve Time -	\$ 415,620	
▶ Real Time -	\$ 418,054	
▶ VAR Payments -	\$ 25,200	
▶ Total -	\$ 7,064,881	
▶ Other Property -		\$ 518,587
▶ Wheelabrator (Bridgeport) Lease -	\$ 456,949	
▶ Jets Billboard -	\$ 45,000	
▶ Golf Center -	\$ 16,638	
▶ Total -	\$ 518,587	
▶ Interest Income -		\$ <u>10,000</u>
▶ Total Operating Revenue -		\$7,593,468

TOTAL OPERATING EXPENSE

▶ MIRA Allocated Costs-		\$637,736
▶ Authority Budget - Personnel Services -	\$347,789	
▶ Authority Budget - Non Personnel Services -	\$163,361	
▶ Sub-total -	<u>\$511,149</u>	
▶ Direct Personnel Services - (excluding any decommission assignments)	<u>\$126,587</u>	
▶ Total Allocated Costs -	\$637,736	
▶ MIRA Direct Non Personnel Services -		\$41,300
▶ Insurance -	\$ 25,200	
▶ Legal -	\$ 10,000	
▶ Other -	\$ 6,100	
▶ Total Direct Non Personnel -	<u>\$ 41,300</u>	
▶ Other Property O&M -		\$ 38,840
▶ 171 Murphy Road -	\$ 27,815	
▶ Railroad Maintenance -	<u>\$ 11,025</u>	
▶ Total Other Property-	\$ 38,840	

TOTAL OPERATING EXPENSE

▶ JETS O&M - \$1,077,811

Operating Expense	NAES Contract	MIRA Related	Total
Fuel for Twin Packs	\$ 0	\$267,254	\$267,254
Management Fee and Incentive	\$ 124,716	\$ 0	\$ 124,716
Home Office Support	\$ 62,500	\$ 0	\$ 62,500
Direct Labor & Overhead	\$ 126,536	\$ 0	\$ 126,536
Employee Incentive Bonus	\$ 7,394	\$ 0	\$ 7,394
Operations & Maintenance	\$ 209,561	\$ 279,850	\$ 489,411
Total Operating Expense	\$ 530,707	\$ 547,104	\$1,077,811

▶ Total Operating Expense \$1,795,687

CAPITAL IMPROVEMENTS / MAJOR MAINTENANCE

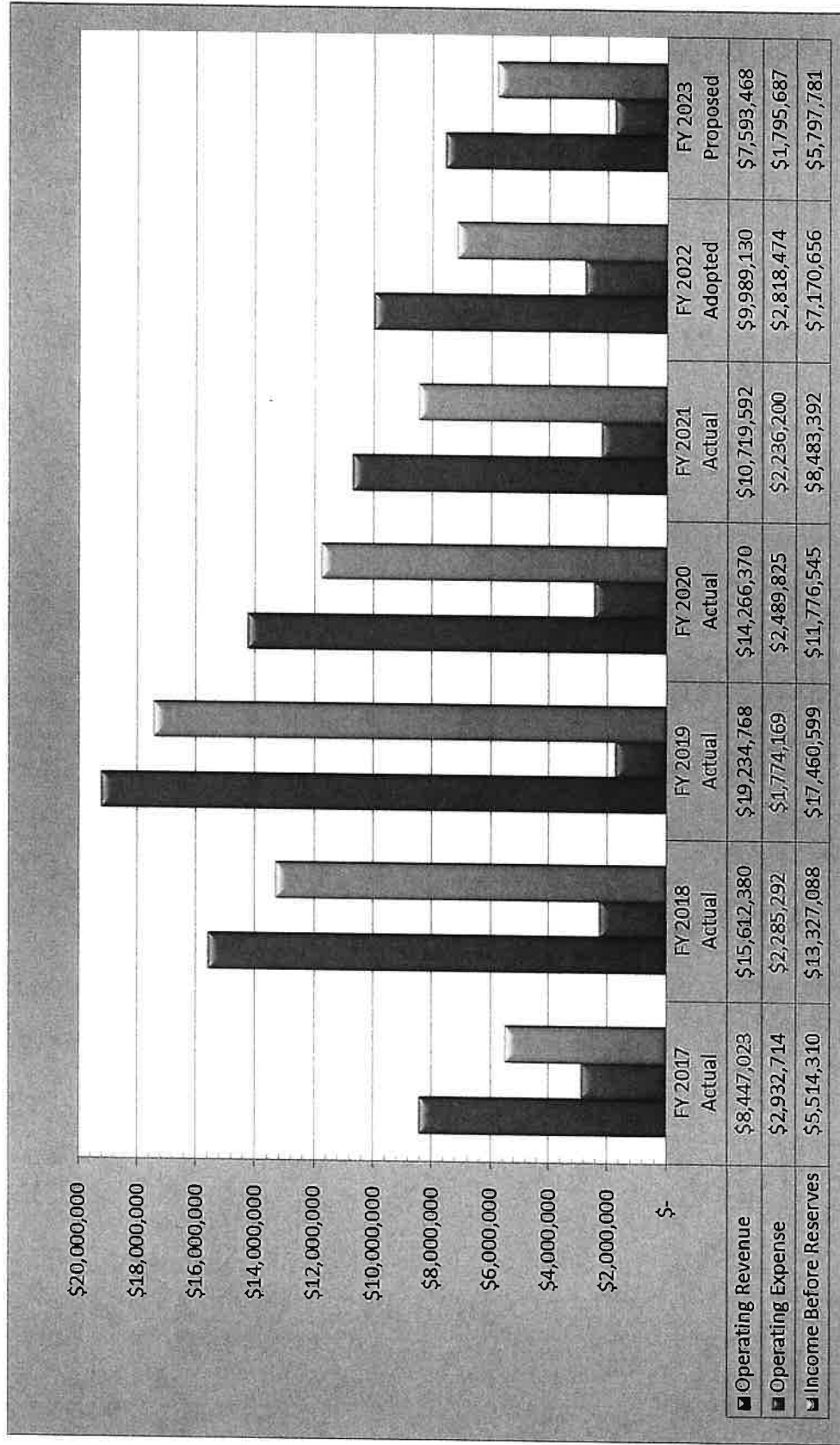
- ▶ Decommissioning of the Waste to Energy Facility to be funded through \$3.3 million use of reserve.
- ▶ Reserve source is the Property Division General Fund which has a current balance of \$11.07 million.

Waste to Energy Facility Decommissioning	
MIRA Direct Personnel	\$ 300,000
Waste Processing Facility Cleaning, Dismantling and Deenergizing	\$ 638,500
Power Block Facility Cleaning, Dismantling, Sealing and Grouting	\$ 1,016,000
Coal Pond Ash Removal and Modification	\$ 323,000
Coal Pond Coal Removal	\$ 600,000
Permitting, Engineering and Consultant Oversight	\$ 325,000
ACM / PCB Surveys	\$ 150,000
Other / Contingency	\$ 47,500
Scrap Credit	\$ (100,000)
Total	\$ 3,300,000

CAPITAL IMPROVEMENTS / MAJOR MAINTENANCE

- ▶ Any major maintenance activity required for operation of the Jets through the May 31, 2023 conclusion of the Authority's Capacity Supply Obligation will be funded from the existing Jets Major Maintenance Reserve subject to future Board approval.
- ▶ Current balance in the Jets Major Maintenance Reserve is \$796,000.
 - ▶ After \$168,000 Expenditure for spare jet engine
- ▶ No further contribution to the Jets Major Maintenance Reserve is required and the fund balance may be released to other needs on or after May 31, 2023.
- ▶ All other FY 2023 Property Division operating income dedicated to Tip Fee Stabilization Fund.

PROPERTY DIVISION INCOME TREND



MIRA - PROPERTY DIVISION (PD)

REVENUES

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
35-001-000-43105	Jets Energy	\$ 10,179,315	\$ 9,216,866	\$ 7,064,881
35-001-000-xxxxx	Lease Income	\$ 522,264	\$ 522,264	\$ 518,586
35-001-000-46101	Interest Income	\$ 18,013	\$ 250,000	\$ 10,000
35-001-000-xxxxx	Use of Property Division General Fund Reserve	\$ -	\$ -	\$ 3,300,000
TOTAL OPERATING REVENUES		\$ 10,719,592	\$ 9,989,130	\$ 10,893,468

EXPENDITURES

	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
35-001-xxx-xxxxx	MIRA Personnel Services - Other Property O&M	\$ 794,803	\$ 842,376	\$ 637,736
35-001-501-xxxxx	MIRA Decommissioning Costs	\$ -	\$ -	\$ 3,300,000
35-001-501-xxxxx	MIRA Non-Personnel Services	\$ 444,390	\$ 213,860	\$ 41,300
35-001-501-52408	Railroad Maintenance	\$ 10,050	\$ 10,500	\$ 11,025
35-001-620-xxxxx	171 Murphy Road	\$ 14,935	\$ 27,215	\$ 27,815
35-001-951-xxxxx	Jets Operating Charges	\$ 972,023	\$ 1,724,523	\$ 1,077,811
TOTAL OPERATING EXPENDITURES		\$ 2,236,200	\$ 2,818,474	\$ 5,095,687

OPERATING INCOME

INCOME BEFORE DISBURSEMENT	\$ 8,483,391	\$ 7,170,657	\$ 5,797,781
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DISBURSEMENT OF PROPERTY DIVISION NET INCOME

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
35-001-501-52686	Contribution to Property Division General Fund	\$ 2,792,744	\$ -	\$ 147,781
35-001-501-52649	Contribution to CSWS Tip Fee Stabilization Fund	\$ 5,000,000	\$ 7,170,657	\$ 5,650,000
TOTAL DISBURSEMENT OF PD NET INCOME		\$ 7,792,744	\$ 7,170,657	\$ 5,797,781
BALANCE		\$ 690,647	\$ -	\$ -

MIRA - PROPERTY DIVISION (PD)

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
35-001-501-57871	Indirect Labor & Overhead - Administration	\$ 660,928	\$ 721,684	\$ 511,149
35-001-xxx-57874	Direct Salaries/Labor & Benefits - Operational	\$ 133,875	\$ 120,692	\$ 126,587
35-001-xxx-xxxxx	MIRA Personnel Services - Other Property O&M	\$ 794,803	\$ 842,376	\$ 637,736
	Decommissioning - Direct Salaries/Labor & Benefits	\$ -	\$ -	\$ 300,000
	Decommissioning - Operating Expenses	\$ -	\$ -	\$ 3,000,000
35-001-xxx-xxxxx	MIRA Decommissioning Costs	\$ -	\$ -	\$ 3,300,000
35-001-501-52115	Advertising - Legal Notices	\$ -	\$ 1,500	\$ 1,500
35-001-501-52305	Business Meeting & Travel	\$ -	\$ 100	\$ 100
35-001-501-52355	Mileage Reimbursement	\$ 116	\$ 100	\$ 100
35-001-501-52856	Legal	\$ -	\$ 5,000	\$ 10,000
35-001-501-52640	Insurance Premium	\$ 431,708	\$ 193,560	\$ 25,200
35-001-501-52875	Insurance Consulting/Brokerage Service	\$ 12,565	\$ 12,600	\$ 3,400
35-001-501-52899	Other Consulting Services	\$ -	\$ 1,000	\$ 1,000
35-001-501-xxxxx	MIRA Non-Personnel Services	\$ 444,390	\$ 213,860	\$ 41,300
35-001-501-52408	Railroad Maintenance	\$ 10,050	\$ 10,500	\$ 11,025
35-001-620-52104	Telecommunications	\$ 1,220	\$ 1,200	\$ 1,300
35-001-620-52404	Building Operations	\$ 3,608	\$ 10,315	\$ 10,815
35-001-620-52415	Grounds Maintenance	\$ 488	\$ 1,500	\$ 1,500
35-001-620-53301	Gas	\$ 4,998	\$ 6,500	\$ 6,500
35-001-620-53304	Electricity	\$ 3,078	\$ 6,500	\$ 6,500
35-001-620-53309	Other Utilities	\$ 1,544	\$ 1,200	\$ 1,200
35-001-620-xxxxx	171 Murphy Road	\$ 14,935	\$ 27,215	\$ 27,815
35-001-951-xxxxx	Jets Operating Charges	\$ 972,023	\$ 1,724,523	\$ 1,077,811
	TOTAL OPERATING EXPENDITURES	\$ 2,236,200	\$ 2,818,474	\$ 5,095,687
	NET INCOME / (LOSS)	\$ 8,483,391	\$ 7,170,657	\$ 5,797,781

MIRA - PROPERTY DIVISION (PD)

JETS ELECTRICITY

ASSUMPTIONS

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
	FUEL USAGE			
	K1 Fuel Price (average per gallon)	\$ 1.58	\$ 2.00	\$ -
	Gallons/Hr./Unit	429	4,200	-
	Annual Run Hours/Unit	24	20	-
	Number of Units	4	4	-

REVENUES

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
35-001-000-43105	Capacity	\$ 9,418,792	\$ 8,128,655	\$ 6,207,007
35-001-000-43105	VARs, Schedule 2, External Inadvertent	\$ 38,214	\$ 38,211	\$ 24,200
35-001-000-43105	RT Energy, RT NCPC	\$ 400,164	\$ 450,000	\$ 418,054
35-001-000-43105	RT Reserves, Reserve Credits, Forward Reserves	\$ 322,145	\$ 600,000	\$ 415,620
35-001-000-xxxxx	Jets Electricity Revenues	\$ 10,179,315	\$ 9,216,866	\$ 7,064,881

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
35-001-951-52612	Fuel	\$ 64,991	\$ 672,000	\$ 267,254
35-001-951-52104	Telecommunications	\$ 8,849	\$ 9,600	\$ 9,600
35-001-951-52502	Fees/Licenses/Permits	\$ 3,531	\$ 5,000	\$ 5,000
35-001-951-52621	Discrete Emission Reduction Credit (DERC)	\$ -	\$ 5,000	\$ 5,000
35-001-951-52622	Regional Greenhouse Gas Initiative Carbon Credit (RGGI)	\$ 18,370	\$ 24,000	\$ 36,000
35-001-951-52720	Power Products Management Fee	\$ 129,000	\$ 129,000	\$ 118,250
35-001-951-52858	Engineering Consulting Services	\$ -	\$ 10,000	\$ 5,000
35-001-951-52901	Environmental Testing	\$ 12,200	\$ 5,000	\$ 5,000
35-001-951-53304	Electricity	\$ 76,030	\$ 80,000	\$ 96,000
35-001-951-xxxxx	MIRA Operating Costs	\$ 247,980	\$ 267,600	\$ 279,850
35-001-951-52701	Operating & Maintenance (O&M) Fees	\$ 360,445	\$ 439,555	\$ 209,561
35-001-951-52703	Management Fee & Incentive Compensation	\$ 116,945	\$ 119,466	\$ 124,716
35-001-951-52717	Home Office Support	\$ 44,690	\$ 66,652	\$ 62,500
35-001-951-52718	Labor & Overhead Costs	\$ 127,792	\$ 150,327	\$ 126,537
35-001-951-52719	Site Personnel Incentive Compensation	\$ 9,181	\$ 8,922	\$ 7,394
35-001-951-xxxxx	Operator Operating & Maintenance Costs	\$ 659,052	\$ 784,923	\$ 530,707
	Subtotal Jets Electricity Expenditures	\$ 972,023	\$ 1,724,523	\$ 1,077,811
	Balance	\$ 9,207,292	\$ 7,492,344	\$ 5,987,070

TAB 5

ATTACHMENT 5

DRAFT RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING APPROVING THE FISCAL YEAR 2023 CONNECTICUT SOLID WASTE SYSTEM OPERATING AND CAPITAL BUDGET

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

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

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

WHEREAS, on or before February 28, 2022, MIRA is further contractually obligated to adopt Tier 1 Long Term Disposal Fees for CSWS Participating Municipalities that do not execute and return such MSA Amendment subject to its terms and conditions; and

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

WHEREAS, Upon further review of its reserve funds, and in recognition and support of the CROG Study and potential identification of a viable long term solution, MIRA is capable and desires to subsidize its Tier 1 Short Term and Tier 1 Long Term disposal fees to a greater extent than heretofore considered; and

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

successfully with a planned waste transfer operation to be conducted from 123 / 143 Murphy Road, Hartford CT with the objective of providing the Affected Municipalities additional time to make considered decisions concerning their future waste management service providers and requirements; and

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

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

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

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

NOW THEREFORE, be it

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

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

FURTHER RESOLVED: That the Tier 1 Long Term Disposal Fee of one hundred nine dollars (\$109.00) per ton reflected in Exhibit A shall be effective July 1, 2022 through June 30, 2023 for CSWS Participating Municipalities that do not execute and return such MSA Amendment subject to its terms and conditions.

FURTHER RESOLVED: Management is authorized to establish a project for Additional Waste to Energy Facility Major Maintenance required in advance of the Transition Year in the amount of nine hundred

thousand dollars (\$900,000) to be funded with surplus funds available within the CSWS Major Maintenance Fund.

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

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

FURTHER RESOLVED: In the event that any future approved Program of Operations warrants modification of the Fiscal Year 2023 Materials Innovation and Recycling Authority 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.

MATERIALS INNOVATION AND RECYCLING AUTHORITY

ATTACHMENT 5 (EXHIBIT A) - "OPTION C" CSWS BUDGET WITH ONE YEAR / ONE BOILER WASTE TO ENERGY OPERATIONS & AUTHORIZED TRANSITION CONTRACT AWARDS



- ▶ Budget Material:
 - ▶ Planning Level Assumptions
 - ▶ Summary Draft Budget
 - ▶ Participating Town Fees
 - ▶ Operating Expense Budget
 - ▶ Improvements & Major Maintenance Budget
 - ▶ Reserve Contributions
 - ▶ Non Disposal Fee Revenue
 - ▶ WTE Facility Key Drivers

Planning Level Budget Assumptions

2

- A “One Boiler / One Turbine / One Year” operation is conducted pursuant to December 20, 2021 and January 24, 2022 resolutions.
- November 10, 2021 HR Committee Authority Budget is modified pending development of Program of Operations.
- Hartford PILOT is reduced by 50% to \$750,000.*
- Insurance expense updated with current Beecher estimate.
- Detail pricing and production assumptions as previously reviewed.
- Tier 1 Long Term Disposal Fee ultimately to apply to Participating Municipalities not executing MSA Amendment.
- Deficit funding is provided through both Property Division and CSWS reserve funds to size tip fee to \$5.00 per ton increment above MSA Amendment rate.

***NOTE* Conforming changes will be made where noted throughout this Exhibit A to provide for additional use of reserve funds to increase the Hartford PILOT to \$1.5 million and reduce the Tier 1 Long Term Disposal Fee to \$109 / ton pursuant to the February 17, 2022 Finance Committee meeting. Final budget files with these changes anticipated to be distributed in advance of February 23, 2022 Board meeting.**

The Tier 1 Short Term Disposal Fee established by pending amendment to the Municipal Service Agreements is reduced by Board resolution to \$104 per ton.

Summary FY 2023 Budget

3

- Total Operating Revenues - **\$51.66 Million***
- Total Operating Expenses - **\$58.31 Million***
- Loss Before Reserve Contributions - **\$ 6.65 Million***
- Proposed Reserve (Use) Contribution:*

 - CSWS Major Maintenance Fund - \$ 3.57 Million
 - CSWS Legal Fund - \$ 0
 - MIRA Severance Fund - \$ 0
 - Use of CSWS Operating Fund - \$ (3.89) Million
 - Use of Current Tip Fee Stabilization Fund Balance - \$ (1.07) Million
 - FY 2023 Property Division Transfer Tip Fee Stabilization Fund - \$ (5.26) Million

- **\$16.00 Per Ton Increase From FY 2022 Adopted Tip ***
- **Will Exceed Opt Out Tip Fee Provisions of MSAs**

FY 2023 Participating Town Fees

(Not Executing MSA Amendment)

4

• Cost of Operation -	\$61,872,490 *
• Operating Expense Budget - \$58,307,490 (\$8,131,817 / 12.2% decrease) *	
• Reserve Contributions - \$3,565,000 (\$1,840,000 / 34.0% decrease)	
• Total Cost of Operation \$61,872,490 (\$9,971,817 / 13.9% decrease) *	
• Non Disposal Fee Revenue -	\$17,413,316
• \$493,693 / 2.8% decrease	
• Net Cost of Operation -	\$44,459,174 *
• \$9,478,123 / 17.6% decrease	
• Add: Cost of Service Discounts -	\$ 559,936
• Tier 1 Long – 279,968 Tons @ \$2.00 / Ton	
• Deduct: Deficit Funding -	\$ (10,213,063) *
• Use of FY 2023 Property Division Income \$5,250,000	
• Use of current Tip Fee Stabilization Balance \$1,070,157	
• Use of CSWS Operating Account \$3,892,906	
• Note: Equivalent Subsidy of Uniform Base Disposal Fee -	\$ (36.09 / ton) *

MIRA “shall set the Base Disposal Fee such that the product of the Base Disposal Fee and the Aggregate Tons, shall produce funds estimated as sufficient to pay the estimated Net Cost of Operation”

FY 2023 Participating Town Fees

(Not Executing MSA Amendment)

5

- **Total Rate Base -** **\$34,806,047 ***
- Net Cost of Operation + Cost of Service Discounts - Deficit Funding
- **Aggregate Tons -** **282,976**
- Service Discounted (Tier 1 Long) – 279,968
- Westbrook (Tier 1 Short) – 3,008
- Total - **282,976**
- Reflects a 160,102 ton (36.1%) decrease from FY 2022
- **Uniform Base Disposal Fee -** **\$123.00 / Ton ***

Contract	FY 2022 Proposed Disposal Fee	FY 2022 Base Opt Out	FY 2022 Total Opt Out (With Additional Opt Out Costs)
Tier 1 Long	\$121.00		
Uniform Base	\$123.00		

- **Total Member Disposal Fees -** **\$34,246,112 ***
\$12,311,478 / 26.4% decrease from FY 2022

FY 2023 Operating Expense Budget

(Authorized Awards and Interim Operation)

6

- **Transfer Stations -**

○ Ellington -	\$ 16,200
○ Essex -	\$ 780,000
○ Torrington -	\$ 668,600
○ Watertown -	\$ 709,200
○ Total -	<u>\$2,174,000</u>

\$ 2,174,000

1.1% Reduction from FY 2022

- **Waste Transportation -**

○ MSW From Essex -	\$ 612,277
○ MSW From Torrington -	\$ 4,893,973
○ MSW From Watertown -	\$ 3,513,225
○ MSW From RRDD#1 -	\$ 0
○ MSW From Ellington -	\$ 43,000
○ Metals from RRF -	\$ 414,052
○ Solid Waste Bypass -	\$ 9,320
○ Ash Disposal -	\$ 4,541,017
○ Non-Processible -	<u>\$ 38,700</u>
○ Total -	\$ 14,065,564

\$14,065,564

11.5% Increase from FY 2022

- **Trash to Energy Facility -**

○ NAES WPF Processing -	\$10,585,595 (11.6% Reduction)
○ NAES Power Block -	\$19,875,455 (10.3% Reduction)
○ NAES Facility Contractor -	\$ 1,300,000 (3.4% Increase)
○ MIRA Facility Operating-	<u>\$ 1,300,000 (9.2% Reduction)</u>
○ Total -	\$33,061,050 (10.2% Reduction)

\$33,061,050

10.2% Reduction from FY 2022

FY 2023 Operating Expense Budget

(Authorized Awards and Interim Operation)

7

- **Recycling Facility -**

○ Contract Operator Charges -	\$3,008,105
○ Transport From Essex -	\$ 218,100
○ Transport From Torrington -	\$ 212,838
○ Transport From Watertown --	\$ 150,307
○ Transport Residue to WPF -	\$ 0
○ MIRA Direct O&M Expenses -	\$ 206,450
○ Recycling Rebate --	\$ <u>0</u>
○ Total	\$3,795,800

\$3,795,800

46.8% Reduction from FY 2022

- **Indirect Expense -**

○ Authority Budget Allocation--	\$1,960,267
○ MIRA Direct Personnel--	\$1,419,258
○ MIRA Direct Non Personnel -	\$ 608,347
○ Assessment, Fees and Taxes --	\$1,223,204 *
○ Murphy Road Ops Center -	\$ <u>0</u>
○ Total	\$5,211,076

\$5,211,076 *

32.0% Reduction from FY 2022

- **Total Operating Expense Budget -**

\$58,307,490 *

FY 2023 Major Maintenance Budget

8

- Total FY 2023 Contributions are \$3,565,000:
- Overall \$1,840,000 / 34.0% reduction from FY 2022 adopted budget.
- Reflects Major Maintenance Program Submitted by NAES for One Additional Year of Operation (1 Boiler).

ONE BOILER / ONE TURBINE / ONE YEAR	
POWER BLOCK FACILITY	FY 2023
Primary/Secondary Superheater, Replace	\$ 2,000,000
Bag House major repairs with bag replacement	\$ 200,000
Auger Bin & Feed System Rebuild & Screw Replacement	\$ 120,000
Flyash conveyors	\$ 150,000
Atomizer overhaul	\$ 150,000
Vent fan repairs	\$ 50,000
Power Block Total	\$ 2,670,000
WASTE PROCESSING FACILITY	
Trommel work (screens, rings, ribbing)	\$ 200,000
CV-Replace / Rebuild 102/202	\$ 250,000
CV-Replace / Rebuild 501/502	\$ 250,000
100 Line Back Walls	\$ 50,000
500 line Back Walls	\$ 50,000
Roof Repairs (MSW)	\$ 65,000
Building Exterior Washing	\$ 30,000
Waste Processing Facility Total	\$ 895,000
TOTAL MAJOR MAINTENANCE	\$ 3,565,000

FY 2023 Reserve Contributions

• Operating Loss Before Reserve Contributions -		\$ 6,648,063 *
• CSWS General Fund Retained:		\$ 0
✦ CSWS Improvement Fund -	\$ 0	
✦ CSWS Major Maintenance Fund -	\$ 3,565,000	
✦ CSWS Risk Fund - There is presently in \$897,591 in this fund . Increase from FY 2022 reflects interest earnings.	\$ 0	
✦ CSWS Legal Fund - There is presently \$562,012 in this fund . Reduction reflects spending on NAES Further use of reserve anticipated	\$ 0	
✦ MIRA Severance Fund - There is presently in excess of \$2,542,525 in this fund. This is viewed as sufficient relative to total exposure. No CSWS contributions to this fund are currently recommended .	\$ 0	
✦ CSWS Tip Fee Stabilization Fund - Subsidy reflecting original planning values plus additional use of Property Division and CSWS income and reserves. Sized to provide \$5.00 increment to MSA Amendment FY 2023 tip fee	\$ (10,213,063) *	

FY 2023 Non Disposal Fee Revenue

10

○ Energy Sales -		\$11,882,316	
✦ Capacity Payments -	\$ 637,500		
✦ Class II RECs -	\$ 2,655,000		
✦ Real Time Market -	\$ 8,589,816		
✦ Total -	\$11,882,316		\$1,329,780 / 10.1% Decrease
○ Other Recovered Products -		\$314,500	
✦ Municipal Bulky & Mattresses -	\$ 246,000		
✦ Metal Sales -	\$ 68,500		
✦ Total Other Recovered Products-	\$ 314,500		
○ Non Participating Town Waste -		\$5,166,100	
✦ Hauler (34,900 @ \$93) -	\$ 3,245,700		
✦ Other Contract (17,650 @ \$80)-	\$ 1,412,000		
✦ Spot MSW (6,200 @ \$82)-	\$ 508,400		
✦ Total -	\$ 5,166,100		\$836,087 / 19.3% Increase
○ Other (Interest / Service Fees)		\$ 50,400	
○ Total Non Disposal Fee Revenue -		\$17,413,316	

FY 2023 Waste to Energy Key Drivers

11

• Total MSW Deliveries -	341,726
○ "Aggregate Tons" -	282,976 (160,102 ton / 36.1% decrease)
○ Hauler Contract -	34,900 (3,400 ton / 10.8% increase)
○ Other Contract -	17,650 (2,609 ton / 79.417.3% increase)
○ Spot MSW -	6,200 (2,281 ton / 26.9% decrease)
○ Municipal Bulky -	<u>0 (2,000 ton / 100% decrease)</u>
○ Total -	341,726 (158,374 ton / 31.7% decrease)
• MSW to be Combusted (excluding Torrington and Watertown) -	251,239
• Total MSW to RDF Production Rate -	98.4%
• Total RDF -	247,219
• RDF to KWH Production Rate -	534.55 kwh / ton
• Energy Production -	132,151,010 kwh
○ 130.85 million Kwh (49.8%) decrease	
• Contract / Non Contract Energy Price -	\$.065 / kwh
○ \$.0335 / Kwh (106.3%) increase	
• RDF to Ash Production Rate -	26.11%
• Ash to Disposal -	64,549 tons
○ Decreased by 64,451 tons (50.0%)	
• Ash Disposal Cost Per Ton -	\$70.35
○ Increased by \$2.81 per ton from FY 2022 rate of \$67.54	

TAB 6

**DARFT RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF
DIRECTORS**

REGARDING ADOPTION OF THE FISCAL YEAR 2023 LANDFILL DIVISION OPERATING BUDGET

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

MIRA - LANDFILL DIVISION

REVENUES

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
51-001-000-43101	Electricity Sales to the City of Hartford	\$ 58,005	\$ 66,673	\$ 66,340
51-001-000-43106	ZREC/Energy Payments from Eversource	\$ 110,559	\$ 162,979	\$ 162,164
51-001-000-45101	Shelton TS Lease Agreement	\$ 9,000	\$ 9,000	\$ 9,000
51-001-000-45101	Waterbury Landfill - Easement DOT	\$ 500	\$ -	\$ -
51-001-000-45150	Wallingford Landfill - NextEra Lease Agreeen	\$ 44,463	\$ 44,237	\$ 45,342
51-001-000-45150	Settlement - Hartford City Lighting Strike (ac	\$ 419	\$ -	\$ -
51-001-000-xxxxx	Miscellaneous Income	\$ 54,381	\$ 53,237	\$ 54,342
51-001-000-46101	Interest Income	\$ 337	\$ -	\$ -
Total Revenues		\$ 223,282	\$ 282,889	\$ 282,846

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL FY21	ADOPTED FY22	PROPOSED FY23
51-001-501-xxxxx	MIRA Operating Expenses	\$ 192	\$ 3,900	\$ 1,150
51-001-501-52856	Legal	\$ -	\$ 10,000	\$ 5,000
51-001-501-52611	ZREC Income Share with City of Hartford	\$ 48,441	\$ 71,166	\$ 74,064
51-001-501-52640	Insurance Premium	\$ 107,056	\$ 61,800	\$ -
	Routine Monitoring of AlsoEnergy online dashboard			\$ 1,800
	Annual Routine Inspection			\$ 5,200
	Vegetation control			\$ 960
	Emergency Response - Technician			\$ 760
	Emergency Response - Licensed Electrician	\$ (8,385)	\$ 15,270	\$ 690
	Scheduled, non-routine service - technician			\$ 1,140
	Scheduled, non-routine service - licences electrician			\$ 690
	Scheduled, non-routine service - laborer			\$ 520
	Materials Allowance (12.5% allowable overhead/profit)			\$ 1,125
51-001-501-52701	Contract Operating Charges	\$ (8,385)	\$ 15,270	\$ 12,885
51-001-501-52875	Insurance Consulting & Brokerage	\$ 1,109	\$ 3,321	\$ -
51-001-501-56605	Construction	\$ (600)	\$ -	\$ -
51-001-501-57871	Authority Budget Allocation BOD	\$ 69,840	\$ 79,158	\$ 54,027
Total Expenditures		\$ 217,653	\$ 244,615	\$ 147,127
NET INCOME/(LOSS)		\$ 5,629	\$ 38,274	\$ 135,720
51-001-501-57871	Resource Rediscovery *	\$ (316)	\$ -	\$ -

* FY21 Resource Rediscovery reflects reversed accrual related to legal fees associated with the redevelopment of the Waste Processing Facility.

TAB 7

RESOLUTION REGARDING ADDITIONAL PROJECTED LEGAL EXPENDITURES

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

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

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

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

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

<u>Firm:</u>	<u>Amount:</u>
Halloran & Sage	\$175,000

MATERIALS INNOVATION AND RECYCLING AUTHORITY

Request regarding Authorization for Payment of Projected Additional Legal Expenses

February 23, 2022

Executive Summary

This is to request P&P Committee recommendation of Board authorization for payment of additional projected fiscal '22 legal expenses.

Discussion:

When the FY '22 budgets were developed last winter, resolutions and settlements were pending, and legal budgets were based on preliminary forecasts. In November 2021, the MIRA board approved additional legal spending, primarily for the Zurich/MIRA v. NAES lawsuit, and identified a funding source for such litigation costs. We are now seeking board authorization to incur additional legal expenses with our General Counsel for current pending matters, including, among other things, issues related to CSWS waste management in FY '23 and beyond, and for CSWS and Authority Budget procedural and statutory compliance matters. These expenses will be funded by FY 22 budget surpluses.

TAB 8

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

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

Materials Innovation and Recycling Authority

Contract Summary for Contract Entitled

POWER PRODUCTS MANAGEMENT SERVICES AGREEMENT WITH NEXTERA ENERGY MARKETING, LLC

Presented to the MIRA Board on:	February 23, 2022
Vendor/ Contractor(s):	Nextera Energy Marketing, LLC ("Nextera")
Effective date:	Upon Execution
Contract Type/Subject matter:	Power Products Management Services
Facility Affected:	MIRA Jet Turbine Facility and Power Block Facility
Term:	Fiscal Year 2023
Contract Dollar Value:	\$10,750/month for 11 months of Jet Turbine Facility operation and 10,750/month for any month the PBF Operates. Maximum FY2023 cost is \$247,250 for 12 months of PBF operation.
Term Extensions:	NA
Scope of Services:	Nextera to continue to perform power products management services and serve as MIRA's Lead Market Participant in the ISO-New England wholesale electric power market on a month to month basis.
Other Pertinent Provisions:	None

Materials Innovation and Recycling Authority Power Products Management Services Agreement with Nextera Energy Marketing, LLC

February 23, 2022

Executive Summary

MIRA contracts with Nextera Energy Marketing, LLC (“Nextera”) to manage MIRA’s electric power attributes pursuant to a contract that expires on June 30, 2022. This is to seek Board of Directors approval to execute an extension of the existing Power Products Management Services Agreement between MIRA and Nextera on a month-to-month basis for up to 12 months during MIRA’s Fiscal Year 2023.

Discussion

Background

MIRA owns a jet turbine peaking power plant, commonly referred to as the South Meadows Jet Turbine Facility (“JTF”). The JTF consists of four Pratt & Whitney Twin-Pac generating sets (“Twin-Pacs”). Each of the four Twin-Pac units is nominally capable of generating 40 MW of power and is comprised of two Pratt & Whitney FT4A-9 combustion gas turbine engines. The units serve the ISO-New England (“ISONE”) system as “peaking capacity” and typically are dispatched by ISONE very infrequently - about 15 hours per year. Each Twin-pac is considered a discreet power generating asset by ISONE.

MIRA’s Power Block Facility (“PBF”) combusts municipal solid waste in one or more of the three combustion boilers, producing steam which is in-turn conveyed to one or both of the two 45 MW General Electric Steam Turbines (the Electric Generating Facility, or “EGF”) which generate electric power. Approximately 7-9 MW of power is used for the “in-house” load, and the remainder is sold into the ISONE wholesale electric power market. Each steam turbine is considered a discreet power generating asset by ISONE.

MIRA’s JTF and EGF both require electric power products management services, including Lead Market Participant services, in order to participate in the ISONE wholesale electric power market. The JTF will end operation on May 31, 2023, 11 months into MIRA’s FY23. The EGF is expected to end operation on or about June 30, 2023.

In 2016, MIRA issued a Request for Qualifications and Proposals (“RFPQ”) for these services and received one qualification package and proposal. The lone proposer, Nextera, was selected after a thorough review of their qualifications and proposal. MIRA

executed a contract for an initial term of three years, with an additional 3, one year extensions. The contract is set to expire on June 30, 2022.

During the entire term of the agreement, Nextera has satisfactorily provided a comprehensive suite of power products management services, including:

- 1) Serving as MIRA's Lead Market Participant in the ISONE wholesale electric power market to manage the various electric power attributes associated with the JTF and EGF.
- 2) Coordinating with NAES in order to submit day-ahead energy bids 365 days per year.
- 3) Providing expert insight, perspective and guidance to MIRA regarding submittal of MIRA's annual summer and winter forward reserve market bids for the JTF.
- 4) Marketing MIRA's additional JTF reserve capacity on a weekly basis.
- 5) Managing monthly reconfiguration auction bids for JTF excess capacity during the 8 month winter period.
- 6) Managing participation in annual reconfiguration auctions for any required adjustments to MIRA's qualified capacity of its 2 steam turbine assets at the EGF.
- 7) Coordination with ISONE for required summer and winter claimed capability audits of all six of MIRA's electric power generating assets.
- 8) Providing timely and detailed weekly statements of energy payments, capacity payments, and reserve payments to MIRA.
- 9) Providing a flexible energy hedging program that enables MIRA to sell firm strips of power from its EGF for a fixed price and term.
- 10) Marketing of MIRA's Class 2 Renewable Energy Certificates generated by the EGF.

Procurement Considerations

MIRA's Procurement Policies and Procedures require that all purchasing be done using a competitive process, except in certain circumstances which are considered exceptions to this requirement. One acceptable exception to the competitive process is when a procurement is awarded under Section 3.1.2.5 of the Policy, which states:

“Goods or services provided by a contractor who has special capability or unique experience, as determined by the Chief Financial Officer and the President if the cost of the goods or services is \$10,000 or less and as determined by a two-thirds (2/3) vote of the full CRRA Board of Directors if the cost of the goods or services is more than \$10,000”

Rationale for Extending Existing Agreement rather than undertaking a comprehensive RFQP Process

- 1) The RFQP process that MIRA undertook for these services in 2016 resulted in only one respondent.

- 2) If a new RFQP process was undertaken in 2022, it may again result in only one respondent, particularly because the contract term is so short - a maximum of 12 months.
- 3) If a new contractor was to be awarded the work, some amount of “getting up to speed” would be required which would likely take several months.
- 4) Management believes that a new contractor – not having the breadth of knowledge and experience of MIRA’s unique JTF and EGF portfolio, and the experience of working daily with NAES Corporation – would be more likely to make an error in the bid or auction processes as they come up the “learning curve”, potentially resulting in the loss of significant revenue to MIRA. Such a risk would be minimized by extending with Nextera for 12 months.
- 5) Management has held preliminary discussions with Nextera, who has agreed to hold the same service pricing that MIRA has paid over the last three years of the agreement on a month-to-month basis.
- 6) Considering MIRA’s additional short term need for a Lead Market Participant – the 12 months of FY 2023 – a new RFQP process could result in Nextera being the only respondent, or the most qualified respondent, but at a higher price.

Taking these aspects into consideration, management believes that Nextera can be considered to have special capability and unique experience with MIRA’s JTF and EGF electric generating assets, particularly in the context of a short, 12 month contract and the unique circumstance of the month-to-month service requirement for the EGF and the 11 month service requirement for the JTF. Accordingly, management believes there is ample justification to award Nextera an extension to the existing agreement for a maximum of 12 months.

Financial Summary

MIRA will pay Nextera \$118,250 for 11 months of Jet Turbine Facility operation, and \$10,750 for each month of Power Block Facility operation, up to a maximum of \$129,000. The total combined maximum expenditure for the Jet Turbine Facility and the Power Block Facility for FY2023 is \$247,250. There are sufficient funds in the Property Division and CSWS Division budgets to cover these expenses.



Materials Innovation and Recycling Authority
Regular Board of Directors Meeting
Supplemental Information
February 23, 2022

I. Finance

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

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

II. Summary of Project Activities

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

III. Communications

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

TAB A



BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING

December 31, 2021

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

As indicated in this report, operating revenues for December totaled \$5.43 million (9.4% under budget). The deficit in Member Town waste deliveries was partially offset by Non Participating Town deliveries. Electricity sales revenue remained strong. The deficit in other energy markets is due to the timing of receipt of 3rd quarter REC sales. Year to date operating revenues are 6.2% above budget. Total accrued expenditures for December were \$5.22 million (1.7% above budget) reflecting expected NAES contract operating charges for its postponed major maintenance. 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 13.9% under budget. Year to date the CSWS has generated operating income of \$5.29 million which is \$6.63 million above budget.

CSWS Electricity - This report reflects CSWS budget versus actual electricity production, revenue and price for the current month and year to date. Energy revenue reconciles to CSWS Financials. All energy is presently sold in the wholesale energy market.

As indicated in this report, the CSWS total average energy price was \$0.0618 per kwh in December which is \$0.0211 per kwh (51.7%) above budget. Year to date energy price is 39.8% above budget. The CSWS generated 20.91 million Kwh of energy in December which was 0.61 million Kwh (2.8%) below budget. The plant ran at full capacity for 0 out of 31 days. Overall boiler availability was 63.3%. Boiler 11 was off line for just 38.92 hours (94.8% availability) to clear a large clinker. Boiler 12 was off line for 404.65 hours (45.6% availability) for its scheduled major maintenance outage. Boiler 13 was off line for 375.8 hours (49.5% availability) initially for tube leaks and subsequently for a cleaning outage and due to low fuel inventory. Turbine 5 was off line during seven days due to lack of boiler availability, inspection and condenser cleaning followed by relay troubleshooting. Turbine 6 was on line during the full month. On a year to date basis, in comparison to this period of fiscal year 2021, energy price is up 98.9%, production is down 2.9% and revenue is up 93.1%.

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.

December deliveries totaled 38,490 tons which is 1,562 tons (3.9%) below budget. Member town deliveries were 5,669 tons (15.6%) under budget while non-participating deliveries were 4,107 tons (107.9%) above budget. Prices for waste hauler tons averaged \$93.00 per ton in December 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 2,931 tons of other contract waste delivered in December at the rate of \$80 per ton pursuant to contracts awarded by the Authority. There was also 377 tons of spot waste delivered in December at an average rate of \$82.57 per ton. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently on budget on a year to date basis.



BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING December 31, 2021

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

As indicated in the summary report, 133.67 tons of non-participating recycling were delivered and assessed a tip fee of \$117 per ton for total revenue of \$15,639. There were no such deliveries budgeted. Operating expenses totaled \$329,601 which is 47.7% under budget for December 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 59.1% 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 December, the Authority sold 79.91 gross tons of post combustion ferrous and 26.86 gross tons of maintenance metals for total revenue of \$18,111 which was 217.3% above budget due to strong pricing and higher than budget volume of ferrous sales. Metal sales are 186.3% 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 3.5% under budget in December with deficits in real time energy sales and interest income. Operating expenses were 52.8% below budget due to savings in all line items. Total operating income is 14.2% above budget year to date.

MIRA Cash Flow - This "cash basis" report reflects the monthly flow of cash through the bank accounts and STIF reserve funds that represent all of the Authority's ongoing operations. The flow of funds is executed monthly in accordance with Board approved criteria.

As Indicated in this report, Property Division cash receipts for December were sufficient to distribute \$597,060 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 February are \$5,147,234. CSWS cash receipts were sufficient to execute budgeted distributions to the CSWS Operating STIF, Improvement and Major Maintenance funds causing a \$1,886,975 refund of the Tip Fee Stabilization Fund. After the distribution of December receipts, \$63,414,003 remained contingently due to the Tip Fee Stabilization Fund from CSWS.

CSWS Improvement & Major Maintenance Funds - These reports reflect budget versus actual funds advanced primarily to the operator of the Resource Recovery Facility for major maintenance and capital improvement projects approved monthly by the Authority. Actual costs initially reflect funds advanced which are subsequently adjusted when the project is completed. In December, the Authority advanced a net amount of \$1,330,984 from the Major Maintenance Fund to NAES primarily for Boiler 12 major maintenance.

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

[Narrative](#)

CSWS Monthly Financial Report

Period Ending: **December 31, 2021**

	Current Month		Variance		Year to Date		Variance	
	Budget	Actual	Better (Worse) than Budget	%	Budget	Actual	Better (Worse) than Budget	%
REVENUES								
<i>Member Towns</i>	\$ 3,808,492	\$ 3,213,256	\$ (595,236)	-15.6%	\$ 22,676,193	\$ 20,520,312	\$ (2,155,881)	-9.5%
<i>Other Contracts</i>	\$ 116,529	\$ 234,469	\$ 117,940	101.2%	\$ 699,639	\$ 1,214,674	\$ 515,035	73.6%
<i>Hauler - Direct</i>	\$ 159,641	\$ 257,337	\$ 97,696	61.2%	\$ 944,706	\$ 1,721,000	\$ 776,294	82.2%
<i>Hauler - TS</i>	\$ 77,894	\$ 171,090	\$ 93,196	119.6%	\$ 463,790	\$ 960,049	\$ 496,260	107.0%
<i>Spot Waste</i>	\$ -	\$ 31,115	\$ 31,115	n/a	\$ -	\$ 374,812	\$ 374,812	n/a
<i>Bypass, Delivery & Other Charges</i>	\$ -	\$ 613	\$ 613	n/a	\$ -	\$ 6,779	\$ 6,779	n/a
<i>Member Service Fee</i>	\$ 2,290	\$ 2,274	\$ (16)	-0.7%	\$ 13,638	\$ 13,789	\$ 151	1.1%
<i>Metal Sales & Excess Residue</i>	\$ 5,708	\$ 18,111	\$ 12,403	217.3%	\$ 34,250	\$ 98,042	\$ 63,792	186.3%
<i>Bulky Waste</i>	\$ 20,550	\$ 2,627	\$ (17,923)	-87.2%	\$ 123,300	\$ 131,293	\$ 7,993	6.5%
<i>Recycling Facility</i>	\$ -	\$ 15,639	\$ 15,639	n/a	\$ -	\$ 63,566	\$ 63,566	n/a
<i>Electricity Sales</i>	\$ 876,170	\$ 1,291,817	\$ 415,647	47.4%	\$ 4,692,458	\$ 6,277,203	\$ 1,584,746	33.8%
<i>Other Energy Markets</i>	\$ 926,391	\$ 189,356	\$ (737,035)	-79.6%	\$ 2,417,460	\$ 2,627,444	\$ 209,985	8.7%
<i>Misc. (Interest, Fees, Other)</i>	\$ 2,267	\$ 2,896	\$ 629	27.7%	\$ 11,202	\$ 55,849	\$ 44,647	398.6%
TOTAL ACCRUED REVENUES	\$ 5,995,932	\$ 5,430,600	\$ (565,332)	-9.4%	\$ 32,076,635	\$ 34,064,813	\$ 1,988,178	6.2%
EXPENDITURES								
<i>Administrative Expenses</i>	\$ 189,230	\$ 141,781	\$ 47,449	25.1%	\$ 1,208,511	\$ 1,115,725	\$ 92,786	7.7%
<i>Operational & Contingent. Exp.</i>	\$ 220,412	\$ 131,006	\$ 89,406	40.6%	\$ 1,379,054	\$ 1,033,282	\$ 345,772	25.1%
<i>PILOTS & Fees</i>	\$ 195,910	\$ 190,672	\$ 5,238	2.7%	\$ 1,191,551	\$ 1,183,049	\$ 8,502	0.7%
<i>Waste Transport</i>	\$ 1,045,913	\$ 1,020,361	\$ 25,552	2.4%	\$ 6,217,907	\$ 6,100,972	\$ 116,935	1.9%
<i>Recycling Facility</i>	\$ 629,866	\$ 329,601	\$ 300,265	47.7%	\$ 3,618,969	\$ 1,479,771	\$ 2,139,198	59.1%
<i>Murphy Road Operations</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<i>MIRA Facilities Operating Exp.</i>	\$ 86,716	\$ 142,854	\$ (56,138)	-64.7%	\$ 555,471	\$ 720,685	\$ (165,214)	-29.7%
<i>NAES Contract Operating Charges</i>	\$ 2,388,928	\$ 2,976,430	\$ (587,502)	-24.6%	\$ 15,195,552	\$ 15,017,059	\$ 178,493	1.2%
<i>NAES Contract Major Maint.</i>	\$ -	\$ -	\$ -	n/a	\$ 1,800,000	\$ -	\$ 1,800,000	n/a
<i>NAES On-Site Incentive Comp.</i>	\$ 86,326	\$ 17,787	\$ 68,539	79.4%	\$ 517,956	\$ 402,821	\$ 115,135	22.2%
<i>NAES Management Fees</i>	\$ 104,818	\$ 86,918	\$ 17,900	17.1%	\$ 628,908	\$ 622,057	\$ 6,851	1.1%
<i>Transfer Station - Ellington</i>	\$ 1,141	\$ 612	\$ 529	46.4%	\$ 9,346	\$ 7,295	\$ 2,051	21.9%
<i>Transfer Station - Essex</i>	\$ 65,727	\$ 65,154	\$ 573	0.9%	\$ 395,912	\$ 396,234	\$ (322)	-0.1%
<i>Transfer Station - Torrington</i>	\$ 50,138	\$ 48,890	\$ 1,248	2.5%	\$ 302,378	\$ 299,007	\$ 3,371	1.1%
<i>Transfer Station - Watertown</i>	\$ 65,569	\$ 64,623	\$ 946	1.4%	\$ 394,964	\$ 400,459	\$ (5,495)	-1.4%
TOTAL ACCRUED EXPENDITURES	\$ 5,130,694	\$ 5,216,689	\$ (85,995)	-1.7%	\$ 33,416,479	\$ 28,778,416	\$ 4,638,063	13.9%
OPERATING INCOME								
<i>(Before Reserves / Transfers)</i>	\$ 865,238	\$ 213,911	\$ (651,327)	-75.3%	\$ (1,339,844)	\$ 5,286,398	\$ 6,626,242	-494.6%
DISTRIBUTION OF CSWS OPERATING INCOME								
<i>CSWS Improvement Fund</i>	\$ -	\$ -	\$ -	n/a	\$ 100,000	\$ 100,000	\$ -	0.0%
<i>CSWS Major Maint. Fund</i>	\$ 905,000	\$ 905,000	\$ -	0.0%	\$ 5,305,000	\$ 5,305,000	\$ -	0.0%
<i>CSWS Risk Fund</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<i>CSWS Legal Reserve</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
<i>MIRA Severance Reserve</i>	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
TOTAL DISTRIBUTIONS	\$ 905,000	\$ 905,000	\$ -	0.0%	\$ 5,405,000	\$ 5,405,000	\$ -	0.0%
SURPLUS / (DEFICIT)	\$ (39,762)	\$ (691,089)	\$ (651,327)	1638.1%	\$ (6,744,844)	\$ (118,602)	\$ 6,626,242	-98.2%

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

Narrative

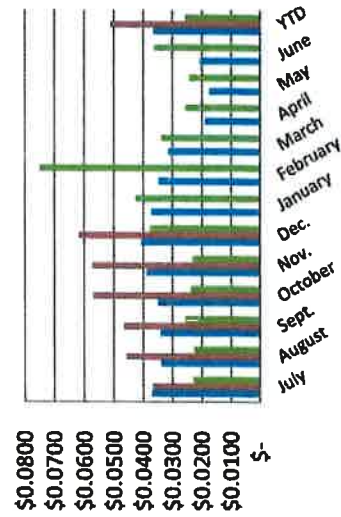
CSWS Electricity Production

Period Ending:

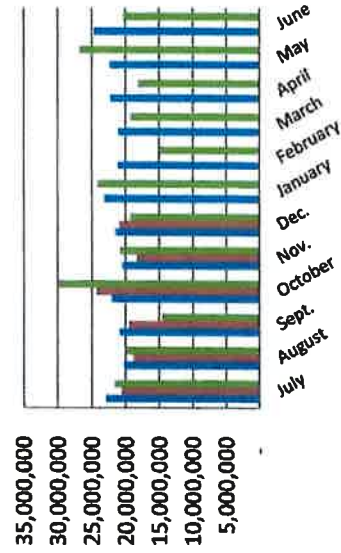
December 31, 2021

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	-	n/a	23,196,412		n/a	\$ 863,844		n/a
February	\$ 0.0348	-	n/a	21,127,012		n/a	\$ 735,201		n/a
March	\$ 0.0315	-	n/a	21,118,545		n/a	\$ 664,338		n/a
April	\$ 0.0190	-	n/a	22,276,288		n/a	\$ 423,302		n/a
May	\$ 0.0175	-	n/a	22,408,293		n/a	\$ 392,576		n/a
June	\$ 0.0208	-	n/a	24,704,979		n/a	\$ 512,781		n/a
YTD	\$ 0.0366	\$ 0.0512	\$ 0.0146	128,168,471	122,648,650	(5,519,821)	4,692,458	6,277,203	\$ 1,584,746
YTD % Var.			39.8%			-4.3%			33.8%

Price / kWh



Production (kWh)



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

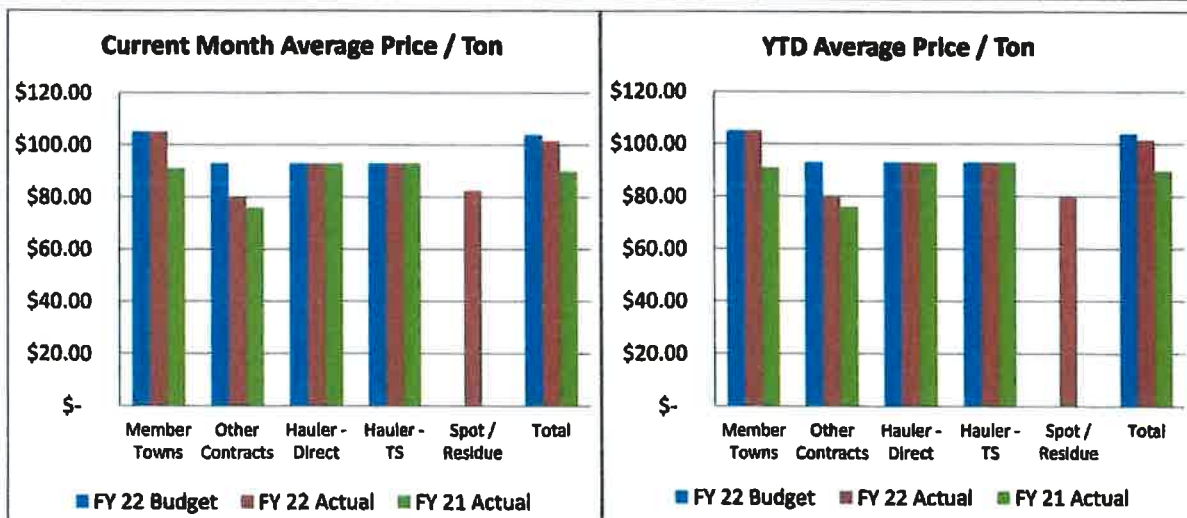
Narrative

CSWS Solid Waste Summary

Period Ending:

December 31, 2021

FY 22 Budget	Current Month			Year To Date		
	Tons	Revenue	Price	Tons	Revenue	Price
<u>Member Towns</u>	36,245	\$ 3,808,492	\$ 105.08	215,804	\$ 22,676,193	\$ 105.08
<u>Other Contracts</u>	1,253	\$ 116,529	\$ 93.00	7,523	\$ 699,639	\$ 93.00
<u>Hauler - Direct</u>	1,717	\$ 159,641	\$ 93.00	10,158	\$ 944,706	\$ 93.00
<u>Hauler - TS</u>	838	\$ 77,894	\$ 93.00	4,987	\$ 463,790	\$ 93.00
<u>Spot / Residue</u>	-	\$ -	\$ -	-	\$ -	\$ -
Total	40,052	\$ 4,162,556	\$ 103.93	238,472	\$ 24,784,328	\$ 103.93
FY 22 Actual	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	30,576	\$ 3,213,256	\$ 105.09	195,271	\$ 20,520,312	\$ 105.09
Other Contracts	2,931	\$ 234,469	\$ 80.00	15,183	\$ 1,214,674	\$ 80.00
Hauler - Direct	2,767	\$ 257,337	\$ 93.00	18,505	\$ 1,721,000	\$ 93.00
Hauler - TS	1,840	\$ 171,090	\$ 93.00	10,319	\$ 960,049	\$ 93.04
Spot / Residue	377	\$ 31,115	\$ 82.57	4,705	\$ 374,812	\$ 79.66
Total	38,490	\$ 3,907,266	\$ 101.51	243,983	\$ 24,790,849	\$ 101.61
Variance	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	(5,669)	\$ (595,236)	\$ 0.01	(20,534)	\$ (2,155,881)	\$ 0.01
Other Contracts	1,678	\$ 117,940	\$ (13.00)	7,660	\$ 515,035	\$ (13.00)
Hauler - Direct	1,050	\$ 97,696	\$ -	8,347	\$ 776,294	\$ -
Hauler - TS	1,002	\$ 93,196	\$ -	5,332	\$ 496,260	\$ 0.04
Spot / Residue	377	\$ 31,115	\$ 82.57	4,705	\$ 374,812	\$ 79.66
Total	(1,562)	\$ (255,290)	\$ (2.42)	5,511	\$ 6,521	\$ (2.32)
Total % Var.	-3.9%	-6.1%	-2.3%	2.3%	0.0%	-2.2%



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

[Narrative](#)

Period Ending:

December 31, 2021

Budget FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 21,101	\$ -	\$ 634,116
August	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
September	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
October	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
November	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
December	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 16,851	\$ -	\$ 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	\$ 16,851	\$ -	\$ 636,180
YTD	-	-	-	-	-	\$ 117	\$ -	\$ 336,386	\$ 3,177,217	\$ 105,356	\$ -	\$ 3,618,969

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	\$ 182,435	\$ (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	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
February	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
March	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
April	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
May	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
June	-	-	-	-	-	\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
YTD	47.86	-	37.34	458.10	543.30	\$ 117	\$ 63,566	\$ 323,007	\$ 1,093,049	\$ 49,872	\$ 13,843	\$ 1,478,771

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	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
February	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
March	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
April	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
May	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
June	-	-	-	-	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
YTD	47.86	-	37.34	458.10	543.30	\$ -	\$ 63,566	\$ (13,379)	\$ (2,084,178)	\$ (55,484)	\$ 13,843	\$ (2,139,198)

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

[Narrative](#)

Period Ending: **December 31, 2021**

Budget FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
August	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
September	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
October	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
November	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
December	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
January	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
February	536.00	\$ 22.78	\$ 12,210	542.70	\$ 37.49	\$ 20,346	495.80	\$ 23.82	\$ 11,810	\$ 44,366
March	600.00	\$ 22.78	\$ 13,668	607.50	\$ 37.49	\$ 22,775	555.00	\$ 23.82	\$ 13,220	\$ 49,663
April	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
May	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
June	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
YTD	4,064.00	22.78	92,578	4,114.80	37.49	154,264	3,759.20	23.82	89,544	\$ 336,386

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			\$ -			\$ -			\$ -	\$ -
February			\$ -			\$ -			\$ -	\$ -
March			\$ -			\$ -			\$ -	\$ -
April			\$ -			\$ -			\$ -	\$ -
May			\$ -			\$ -			\$ -	\$ -
June			\$ -			\$ -			\$ -	\$ -
YTD	3,467.70	22.3980632	77,670	4,337.88	38.5723367	167,322	3,343.01	23.3368818	78,015	\$ 323,007

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										
February										
March										
April										
May										
June										
YTD	(596.30)	(0.38)	(14,908)	223.08	1.08	13,058	(416.19)	(0.48)	(11,529)	(13,379)

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

Narrative

Period Ending:

December 31, 2021

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	16,485	30.00	494,538	27,940	\$ 85.00	\$ 0.28	\$ 85.28	2,382,689	300,000	3,177,227

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			\$ -				\$ -	\$ -		\$ -
February			\$ -				\$ -	\$ -		\$ -
March			\$ -				\$ -	\$ -		\$ -
April			\$ -				\$ -	\$ -		\$ -
May			\$ -				\$ -	\$ -		\$ -
June			\$ -				\$ -	\$ -		\$ -
YTD	15,403	30	462,103	24,948	\$ 85.00	\$ 71.73	\$ 13.27	330,946	300,000	\$ 1,093,049

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										
February										
March										
April										
May										
June										
YTD	(1,081)	-	(32,435)	(2,992)	-	71.46	(72.01)	(2,051,744)	-	(2,084,178)

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

Narrative

Period Ending: **December 31, 2021**

Budget FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
August	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
September	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
October	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
November	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
December	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
January	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
February	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
March	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
April	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
May	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
June	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
YTD	175.00	\$ 38.57	\$ -	\$ 38.57	6,750	250.00	\$ 110.00	\$ -	\$ 110.00	27,500	\$ 34,250

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				\$ -	\$ -				\$ -	\$ -	\$ -
February				\$ -	\$ -				\$ -	\$ -	\$ -
March				\$ -	\$ -				\$ -	\$ -	\$ -
April				\$ -	\$ -				\$ -	\$ -	\$ -
May				\$ -	\$ -				\$ -	\$ -	\$ -
June				\$ -	\$ -				\$ -	\$ -	\$ -
YTD	564.88	\$ 110.00	\$ 15.43	\$ 125.43	70,855.48	122.88	\$ 165.00	\$ 56.25	\$ 221.25	27,186.29	\$ 98,042

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											
February											
March											
April											
May											
June											
YTD	389.88	71.43	15.43	86.86	64,105.48	(127.12)	55.00	56.25	111.25	(313.71)	63,791.76

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

Narrative

Property Division Monthly Financial Report

Period Ending: December 31, 2021

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	\$ 760,685	\$ 73,014	10.6%	\$ 4,126,026	\$ 4,326,336	\$ 200,310	4.9%
VARS Payments	\$ 3,184	\$ 3,258	\$ 74	2.3%	\$ 19,104	\$ 18,210	\$ (894)	-4.7%
Reserve Credits	\$ 37,500	\$ 42,492	\$ 4,992	13.3%	\$ 225,000	\$ 333,920	\$ 108,920	48.4%
Real Time Energy	\$ 50,000	\$ -	\$ (50,000)	n/a	\$ 300,000	\$ 403,116	\$ 103,116	34.4%
Total Jets Electric	\$ 778,355	\$ 806,435	\$ 28,080	3.6%	\$ 4,670,130	\$ 5,081,582	\$ 411,452	8.8%
Lease Income:								
CSWS Murphy Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Golf Center	\$ 1,664	\$ 1,664	\$ 0	0.0%	\$ 9,983	\$ 9,984	\$ 2	0.0%
Wheelabrator Lease	\$ 38,079	\$ 38,079	\$ -	0.0%	\$ 228,474	\$ 228,474	\$ -	0.0%
Jets Billboard	\$ -	\$ -	\$ -	n/a	\$ 45,350	\$ 25,116	\$ (20,234)	-44.6%
Total Lease Income	\$ 39,743	\$ 39,743	\$ 0	0.0%	\$ 283,807	\$ 263,574	\$ (20,233)	-7.1%
South Central Facility Capacity	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Interest / Misc. Income	\$ 62,500	\$ 3,174	\$ (59,326)	-94.9%	\$ 125,000	\$ 6,632	\$ (118,368)	-94.7%
TOTAL ACCRUED REVENUES	\$ 880,598	\$ 849,352	\$ (31,246)	-3.5%	\$ 5,078,937	\$ 5,351,788	\$ 272,852	5.4%
EXPENDITURES								
MIRA Non-Personnel Services	\$ 16,771	\$ -	\$ 16,771	n/a	\$ 100,626	\$ 2,029	\$ 98,597	98.0%
MIRA Allocated Costs	\$ 64,295	\$ 50,602	\$ 13,693	21.3%	\$ 411,613	\$ 382,696	\$ 28,917	7.0%
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	\$ 1,348	\$ 921	40.6%	\$ 13,614	\$ 5,851	\$ 7,763	57.0%
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
South Central Facility Operating C	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets Operating Charges	\$ 140,877	\$ 53,930	\$ 86,947	61.7%	\$ 879,262	\$ 766,496	\$ 112,766	12.8%
TOTAL ACCRUED EXPENDITURES	\$ 224,212	\$ 105,880	\$ 118,332	52.8%	\$ 1,415,615	\$ 1,167,122	\$ 248,493	17.6%
OPERATING INCOME								
<i>(Before Reserves / Transfers)</i>	\$ 656,386	\$ 743,472	\$ 87,086	13.3%	\$ 3,663,322	\$ 4,184,666	\$ 521,345	14.2%
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)	\$ 656,386	\$ 743,472	\$ 87,086	13.3%	\$ 3,663,322	\$ 4,184,666	\$ 521,345	14.2%

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

Narrative

Property Division and CSWS Flow of Funds

Period Ending: **December 31, 2021**
 Transfer Date: **January 8, 2022**
 Funding: **February**

Property Division Receipts	Beginning Balance	Interest (+)	Receipts (+)	Adjustments (+/-)	Net Receipts to Distribution (-)	Ending Balance
Clearing Account	\$ 1,000.00		\$ 821,050.64		\$ 821,050.64	\$ 1,000.00
Property Division Disbursements						
Property Division Disbursements	Beginning Balance	Interest (+)	Expenditures (-)	Adjustments (+/-)	Distribution of Net Receipts (+/-)	Ending Balance
Operating Fund	\$ 1,679,878.33	\$ 229.64	\$ 102,659.21	\$ 507.40	\$ 235,998.36	\$ 1,801,946.52
PD General Fund	\$ 11,068,103.88	\$ 901.96				\$ 11,069,005.84
PD Improvement Fund	\$ 260,179.85					\$ 260,179.85
lets Major Maintenance	\$ 964,000.00					\$ 964,000.00
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Major Maintenance	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ 597,060.78	Combined Below
Total	\$ 13,972,162.06	\$ 1,131.60	\$ 102,659.21	\$ 507.40	\$ 821,050.64	\$ 14,095,132.21
CSWS Division Receipts						
CSWS Division Receipts	Beginning Balance	Interest (+)	Receipts (+)	Adjustments (+/-)	Net Receipts to Distribution (-)	Ending Balance
Clearing Account	\$ 40,000.00		\$ 7,180,700.43		\$ 7,180,700.43	\$ 40,000.00
CSWS Division Disbursements						
CSWS Division Disbursements	Beginning Balance	Interest (+)	Expenditures (-)	Adjustments (+/-)	Distribution of Net Receipts (+/-)	Ending Balance
Operating STIF	\$ 10,572,108.45	\$ 731.65	\$ 2,583,852.77	\$ 82,239.86	\$ 5,293,725.44	\$ 13,364,952.63
Debt Service Fund	\$ 3,875.01					\$ 3,875.01
General Fund	\$ 1,101.29	\$ 0.04				\$ 1,101.33
CSWS Risk Fund	\$ 897,517.12	\$ 73.14				\$ 897,590.26
CSWS Legal Fund	\$ 588,855.05	\$ 47.35	\$ 26,890.25			\$ 562,012.15
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				\$ 1,886,974.99	Combined Below
Total	\$ 12,063,456.92	\$ 852.18	\$ 2,610,743.02	\$ 82,239.86	\$ 7,180,700.43	\$ 14,829,531.38
Combined						
Severance Fund	\$ 2,542,318.25	\$ 207.17			\$ -	\$ 2,542,525.42
CSWS Improvement Fund	\$ 319,447.51				\$ -	\$ 319,447.51
CSWS Major Maintenance	\$ 2,786,673.06	\$ 226.97	\$ 14,300.00	\$ -	\$ -	\$ 2,772,600.03
CSWS Tip Fee Stabilization	\$ 1,000.00	\$ 1.64			\$ 2,484,015.27	\$ 2,485,036.91
Other Division Balances						
Other Division Balances	Beginning Balance	Interest (+)	Receipts (+)	Expenditures (-)	Adjustments (+/-)	Ending Balance
General Fund Checking	\$ 1,191,276.30		\$ 200,493.06	\$ 187,511.00		\$ 1,204,258.36
Hartford Solar Reserve	\$ 335,091.05	\$ 27.29				\$ 335,118.34
Pollution Insurance Reserve	\$ -					\$ -
Landfill Operating Account	\$ 2,119,934.61		\$ 9,000.00	\$ 6,772.51		\$ 2,122,162.10

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.
- To fully fund the CSWS Operating account, an additional \$421,912.09 from the December cash receipts was contributed to the account.
- Adjustments reflect reimbursement of excess FY21 NAES Site incentive payment.
- YTD \$63,414,003.50 remained due to the Tip Fee Stabilization Fund from the CSWS, which reflects contribution of \$1,886,974.99 from the CSWS December receipts.
- A total of \$5,147,234.56 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:

12/31/21

	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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
M Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watertown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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: 12/31/21

	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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scale Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	\$ 115,000	\$ 49,319	\$ 65,681
POWER BLOCK FACILITY						
Boiler 11	\$ 1,070,000	\$ 242,188	\$ 827,812	\$ 2,045,000	\$ 1,834,439	\$ 210,561
Boiler 12	\$ -	\$ 43,050	\$ (43,050)	\$ 2,070,000	\$ 1,312,262	\$ 757,738
Boiler 13	\$ -	\$ -	\$ -	\$ -	\$ 26,470	\$ (26,470)
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ -	\$ -	\$ -	\$ 675,000	\$ 505,722	\$ 169,278
Auxiliary Systems	\$ -	\$ -	\$ -	\$ 225,000	\$ (768)	\$ 225,768
Building Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ 49,500	\$ 500
Roof Repairs	\$ -	\$ -	\$ -	\$ 75,000	\$ 52,230	\$ 22,770
Site Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000
Switch Yard / Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ -	\$ -	\$ -	\$ 57,010	\$ (57,010)
M Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ 1,070,000	\$ 285,238	\$ 784,762	\$ 5,190,000	\$ 3,836,865	\$ 1,353,135
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watertown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CSWS MAJOR MAINTENANCE FUND	\$ 1,070,000	\$ 285,238	\$ 784,762	\$ 5,305,000	\$ 3,886,184	\$ 1,418,816

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

Segmented Income Statement

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.

DRAFT Period Ending: **December 31, 2021**

	General Fund	Concessions Solid Waste System	Mid-Consistent Project	Softland Project	Property Division	Landfill Division	Eliminations	Total
Operating Revenues								
Service charges		\$ 20,520	\$ -	\$ -	\$ -			\$ 20,520
Members		4,332						4,332
Others		8,905			5,082	71		14,058
Energy sales		302			283	9		574
Other operating revenues		34,059			5,345	80		39,484
Total Operating Revenues								
Operating Expenses								
Solid waste operations		26,388			584	103	11	27,086
Maintenance and utilities		4,469			81	-		4,550
Legal services - external		121			-	-		121
Administrative and Organizational services		1,718			374	37		2,124
Total Operating Expenses								
Total Operating Expenses		32,696			1,039	135	11	33,881
Operating Income (Loss) before Depreciation and Amortization		1,363			4,306	(65)	(11)	5,603
Depreciation and amortization	8				948	69	0	1,025
Operating Income (Loss)	(8)	1,363			3,358	(124)	(11)	4,578
Non-Operating Revenues (Expense)								
Investment income		\$ -			7			12
Statement income (expense)								
Other income (expense)	5							7
Distribution to SCBBA								
Non-Operating Revenues (Expense), net	5	5			7			19
Income (Loss) before Transfers	(3)	1,368			3,365	(124)	(11)	4,597
Transfers in (out)	(1)	(180)			100		11	11
Change in Net Position	(4)	1,288			3,465	(124)		4,608
Total Net Position, beginning of period		3,406	(10,967)	0	57,700	20,021		70,780
Total Net Position, end of period		3,403	(9,699)	2	61,165	20,497		75,308
RECONCILIATION TO VARIANCE REPORT:								
AMS Expense paid from reserves		3,566	0		32			3,598
Adv. Amortization	8				948	69		1,025
Less: GAAP Exp (Deferred for Budget)		(49)			(160)			(209)
add: Spare parts and fuel inventory adjustment								
add: Capitalized expense net of asset disposals								
add: Softland income								
Other								
Operating Income (Loss) per Variance report	sh	5,206	sh	sh	4,485	sh	sh	9,471

Use with CSWS financials tab

Use with PD financials tab

Note: Monthly variance report produced for General fund, Property Division and CSWS only.
 Note: Eliminations and depreciation are preliminary amounts.
 Other: Sept20 - RBC's were billed and in the GL for Sept20 s/b/b billed in October20.

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

DETAILS	MONTH TO DATE				YEAR TO DATE			
	Budget	Actual	Variance		Budget	Actual	Variance	
Authority Budget								
Personnel Services (a)	\$ 195,983	\$ 153,341	\$ 42,642	21.76%	\$ 1,272,619	\$ 1,044,634	\$ 227,985	17.91%
Non-Personnel Services (b)	\$ 54,281	\$ 34,754	\$ 19,527	35.97%	\$ 325,686	\$ 432,167	\$ (106,481)	-32.69%
Total Authority Budget	\$ 250,264	\$ 188,095	\$ 62,169	24.84%	\$ 1,598,305	\$ 1,476,801	\$ 121,504	7.60%
LESS: STIF Interest Income	\$ -	\$ 584	\$ (584)	100.00%	\$ -	\$ 1,209	\$ (1,209)	100.00%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 187,511	\$ 62,753	25.07%	\$ 1,598,305	\$ 1,475,592	\$ 122,713	7.68%
Authority Budget Allocation								
Landfill Division	\$ 6,033	\$ 4,521	\$ 1,512	25.06%	\$ 38,530	\$ 35,577	\$ 2,953	7.67%
Property Division	\$ 55,001	\$ 41,209	\$ 13,792	25.08%	\$ 351,264	\$ 324,291	\$ 26,973	7.68%
CSWS Division	\$ 189,230	\$ 141,781	\$ 47,449	25.07%	\$ 1,208,511	\$ 1,115,725	\$ 92,786	7.68%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 187,511	\$ 62,753	25.07%	\$ 1,598,305	\$ 1,475,592	\$ 122,713	7.68%
MIRA Direct Personnel								
Landfill Division	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Property Division	\$ 9,293	\$ 9,393	\$ (100)	-1.07%	\$ 60,346	\$ 58,406	\$ 1,940	3.22%
CSWS Division	\$ 113,235	\$ 120,897	\$ (7,662)	-6.77%	\$ 735,291	\$ 715,357	\$ 19,934	2.71%
TOTAL MIRA DIRECT	\$ 122,528	\$ 130,290	\$ (7,762)	-6.33%	\$ 795,637	\$ 773,763	\$ 21,874	2.75%
Total Allocation								
Landfill Division	\$ 6,033	\$ 4,521	\$ 1,512	25.06%	\$ 38,530	\$ 35,577	\$ 2,953	7.67%
Property Division	\$ 64,294	\$ 50,602	\$ 13,692	21.30%	\$ 411,610	\$ 382,697	\$ 28,913	7.02%
CSWS Division	\$ 302,465	\$ 262,678	\$ 39,787	13.15%	\$ 1,943,802	\$ 1,831,082	\$ 112,720	5.80%
TOTAL AUTHORITY & MIRA DIRECT	\$ 372,792	\$ 317,801	\$ 54,991	14.75%	\$ 2,393,942	\$ 2,249,355	\$ 144,587	6.04%

YTD VARIANCE EXPLANATION

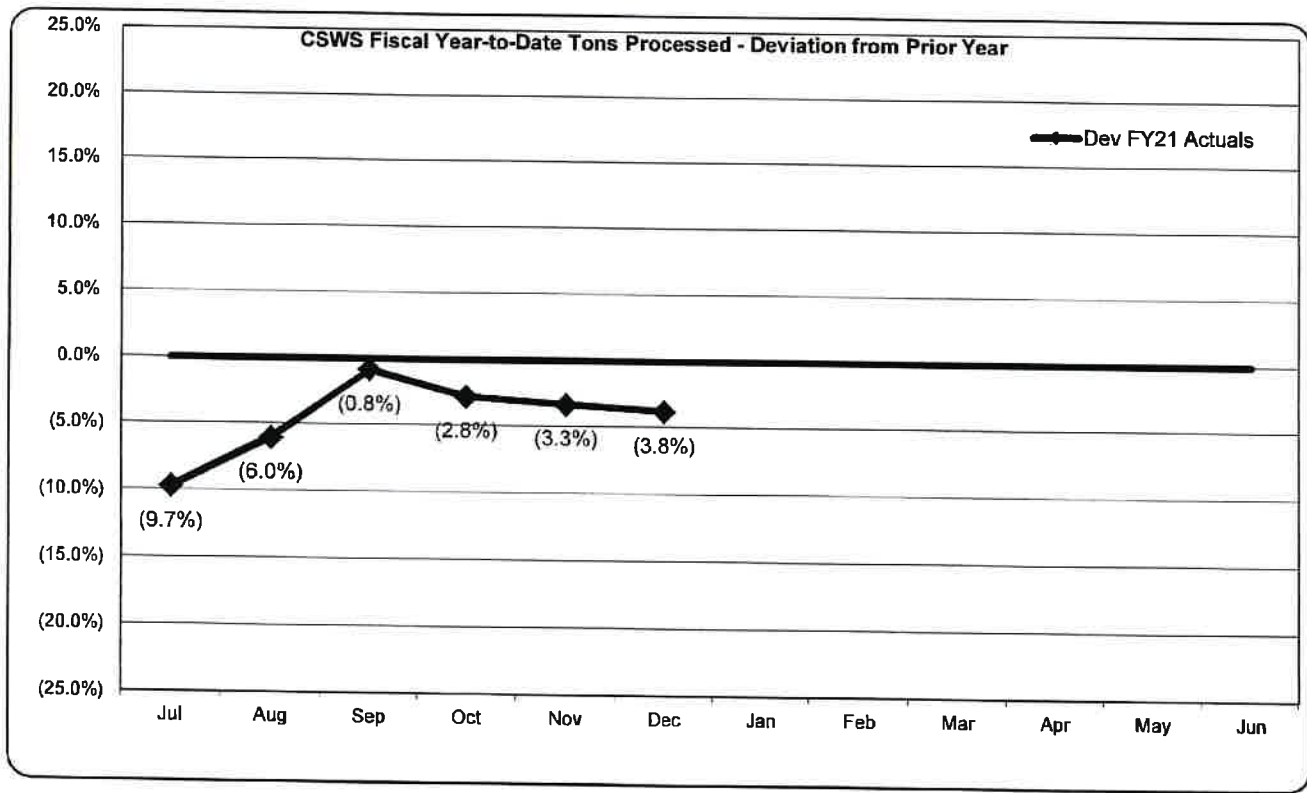
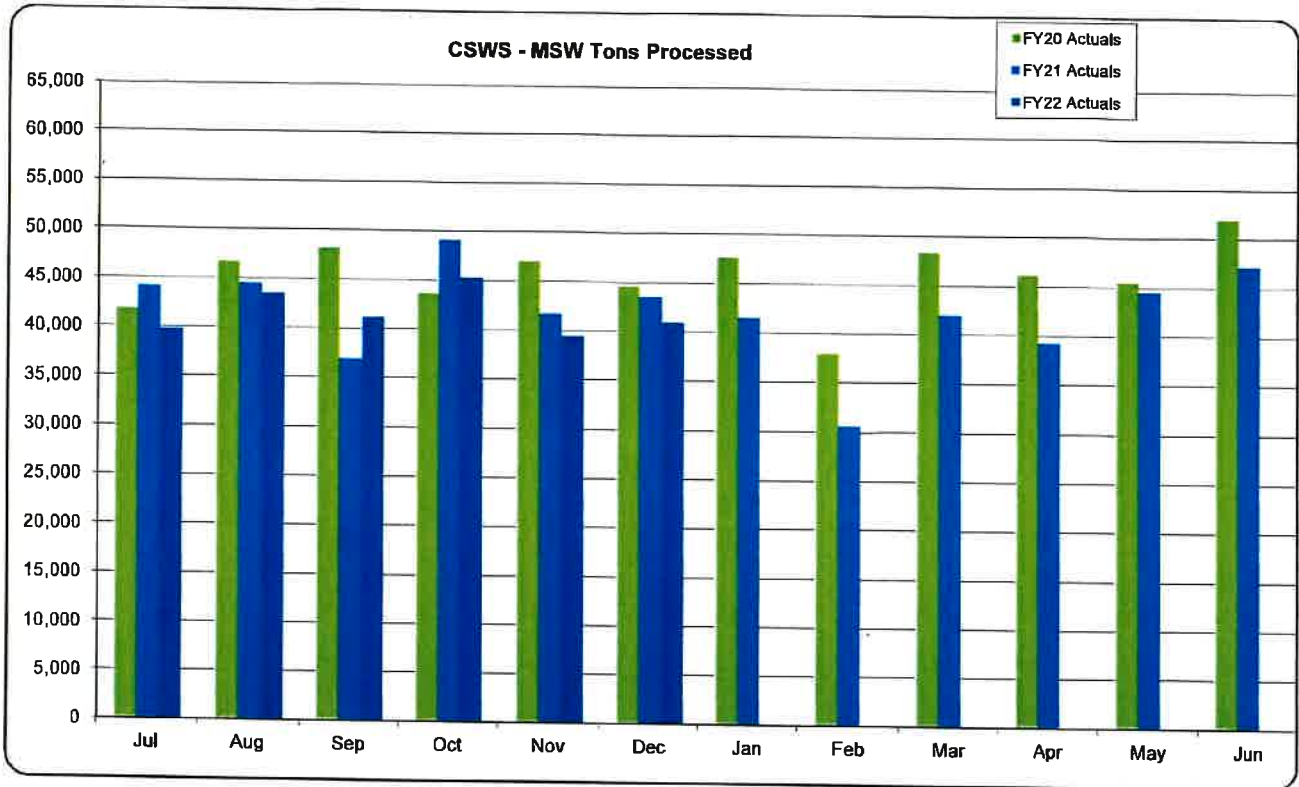
- (a) Favorable due to lower than budgeted direct and indirect labor & benefits allocation related to the following:
- reversal of accrued FY21 Payroll expenditure of approximately \$34k;
 - lower than budgeted salaries and benefits due to an employee who is on medical leave and receiving disability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

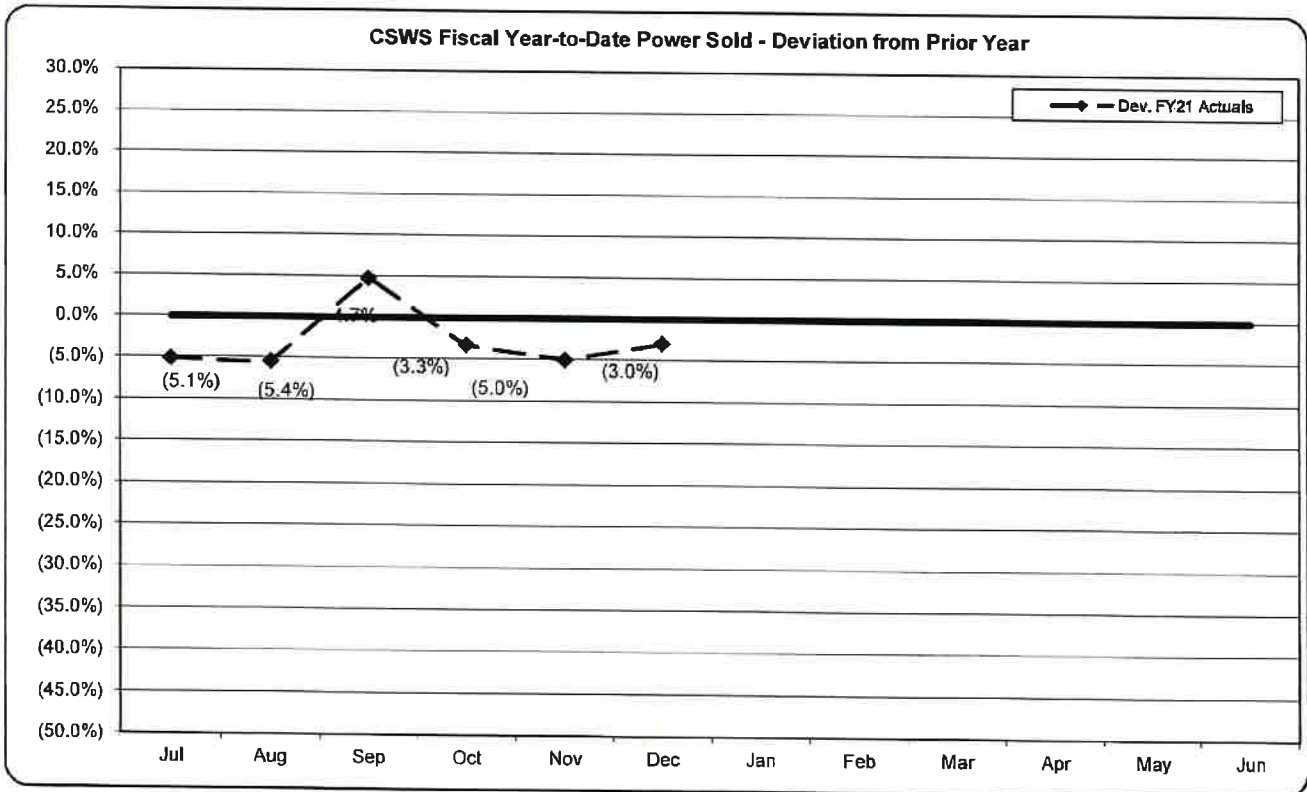
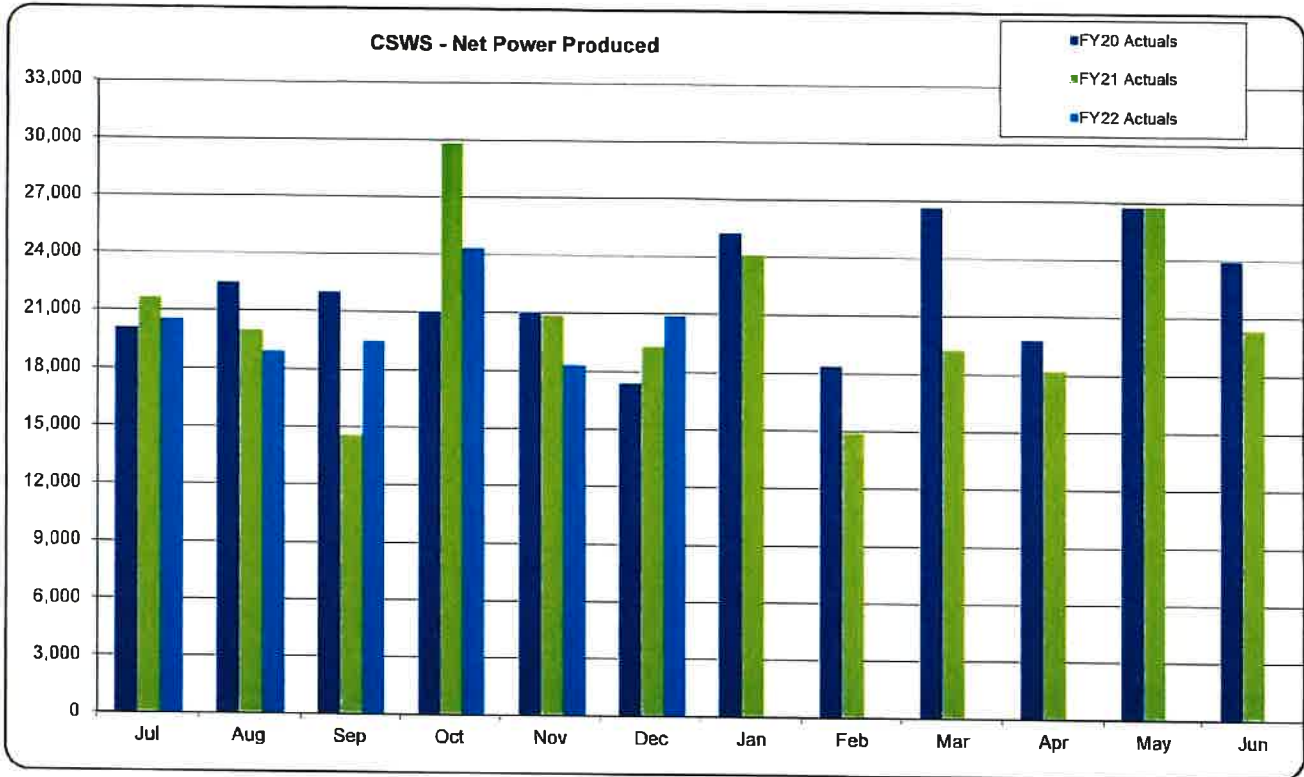
TAB B

MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Operational Summary
December-21

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

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Change	2021	2022	Change	Dec 20	Dec 21	Change
CSWS									
Tons MSW Processed	549,717	505,335	(8.1%)	260,005	250,234	(3.8%)	43,546	40,932	(6.0%)
Steam (klbs)	3,264,837	3,096,441	(5.2%)	1,605,717	1,478,559	(7.9%)	226,330	240,877	6.4%
(% MCR)	53.8%	51.0%		52.5%	48.3%		43.9%	46.7%	
Power (Net MWh)	272,358	250,166	(8.1%)	126,393	122,646	(3.0%)	19,320	20,912	8.2%
South Meadow Jets									
Net MWh	1,616	1,694	4.8%	1,173	1,107	(5.6%)	0	0	100.0%





CSWS Waste to Energy Plant Monthly Operational Summary

Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Dec 21	70%	34%	36%

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
07/01/21	07/04/21	12	84.70	Large Fumance 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 Fumance Tube Leaks
08/19/21	08/21/21	12	40.50	Fumance 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 Fumance 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
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	Fumance Waterwall Tube Leaks

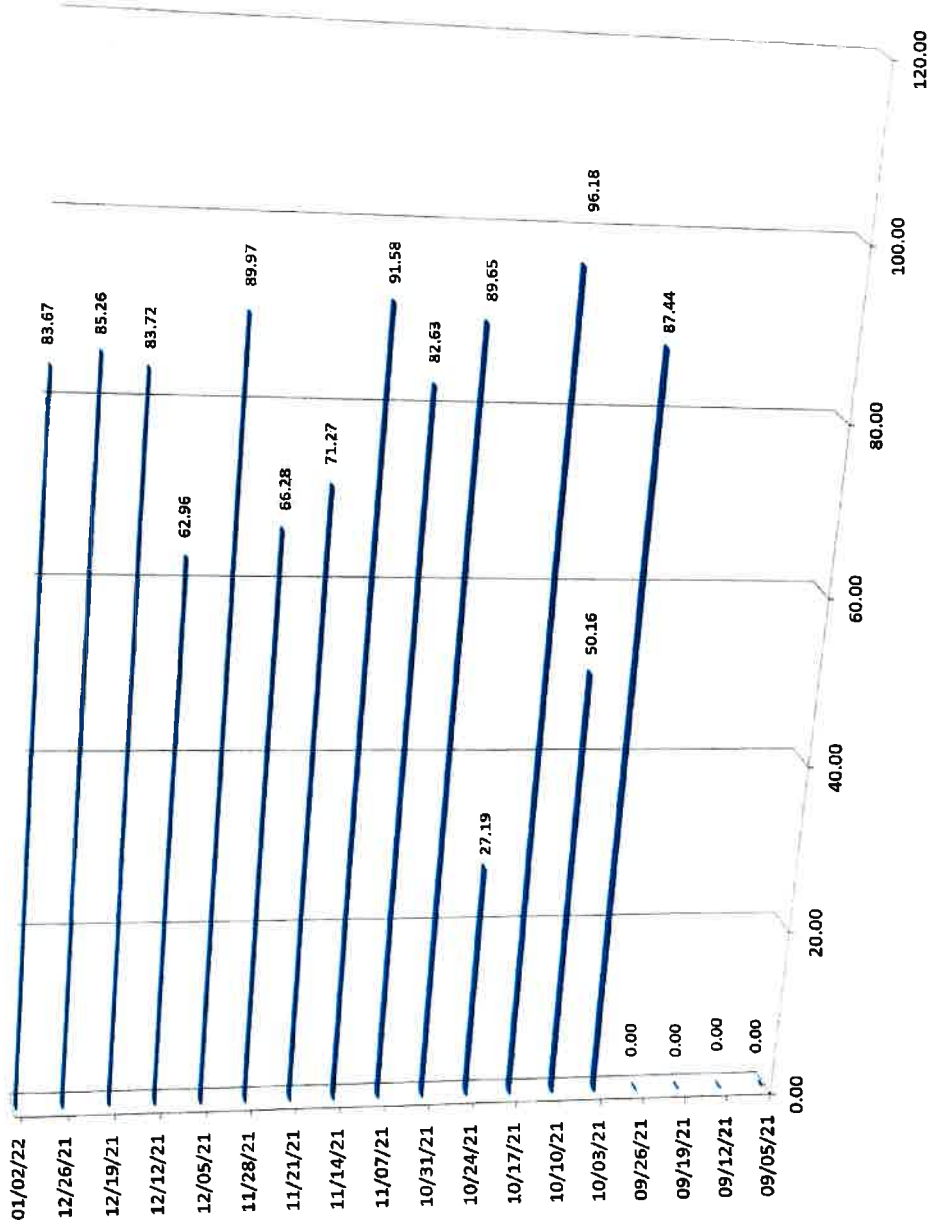
Scheduled Downtime

08/08/21	08/15/21	11	169.00	IRIS Testing on Gen. Bank Tube Leaks
09/07/21	09/28/21	11	514.10	Scheduled Major Outage
11/18/21	11/24/21	11	153.00	Scheduled Cleaning Outage
07/05/21	07/06/21	12	48.00	Scheduled Cleaning Outage
09/27/21	09/30/21	12	96.00	Scheduled Cleaning Outage
10/01/21	10/02/21	12	40.80	Scheduled Cleaning Outage
11/30/21	11/30/21	12	1.00	Scheduled Annual Major Outage
12/01/21	12/17/21	12	404.30	Scheduled Annual Major Outage
08/15/21	08/20/21	13	122.20	Scheduled Cleaning Outage
10/03/21	10/07/21	13	39.70	Scheduled Cleaning Outage
12/18/21	12/31/21	13	336.00	Scheduled Cleaning Outage/ Low RDF Inventory

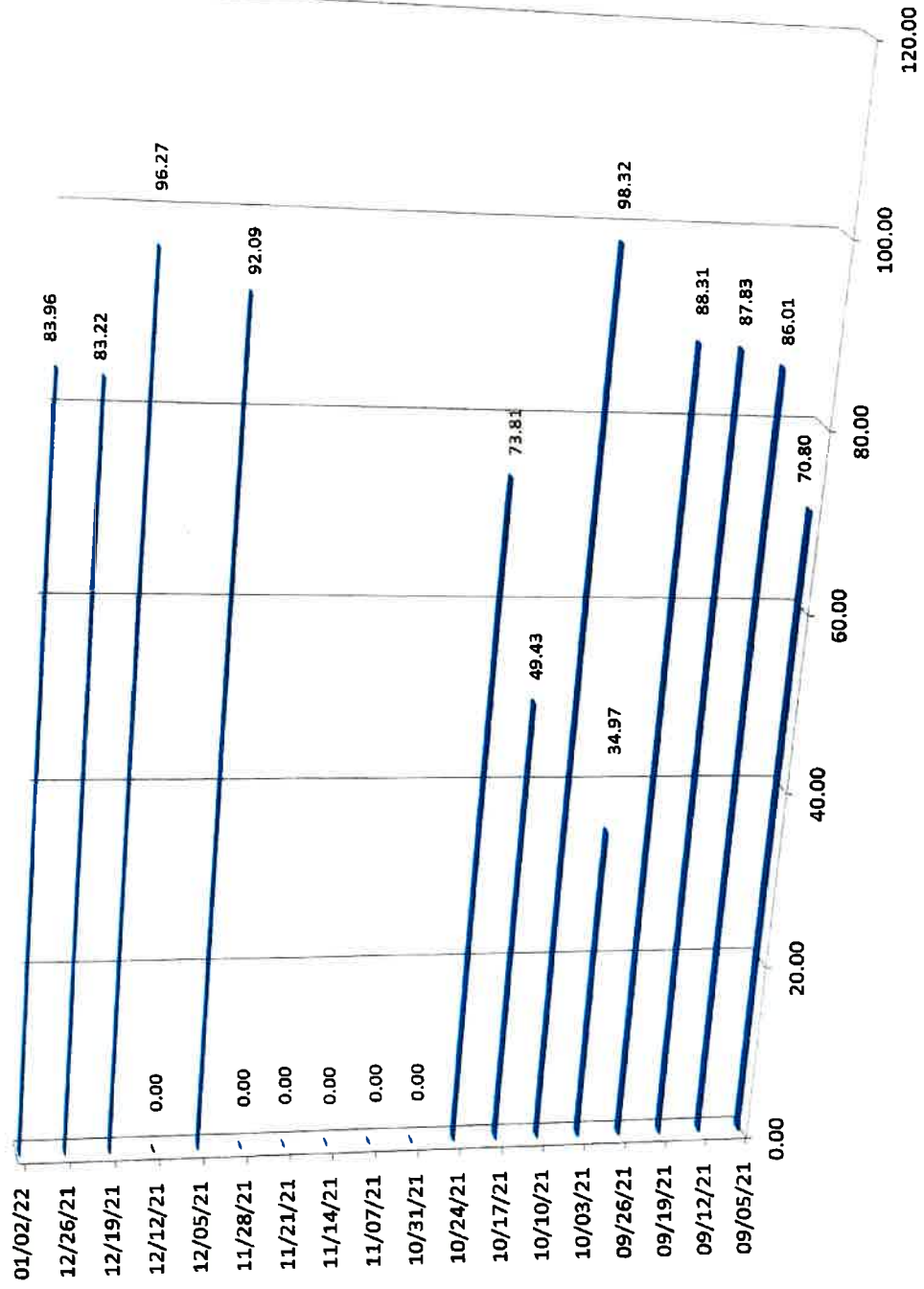
SOUTH MEADOWS JETS Monthly Operational Summary

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

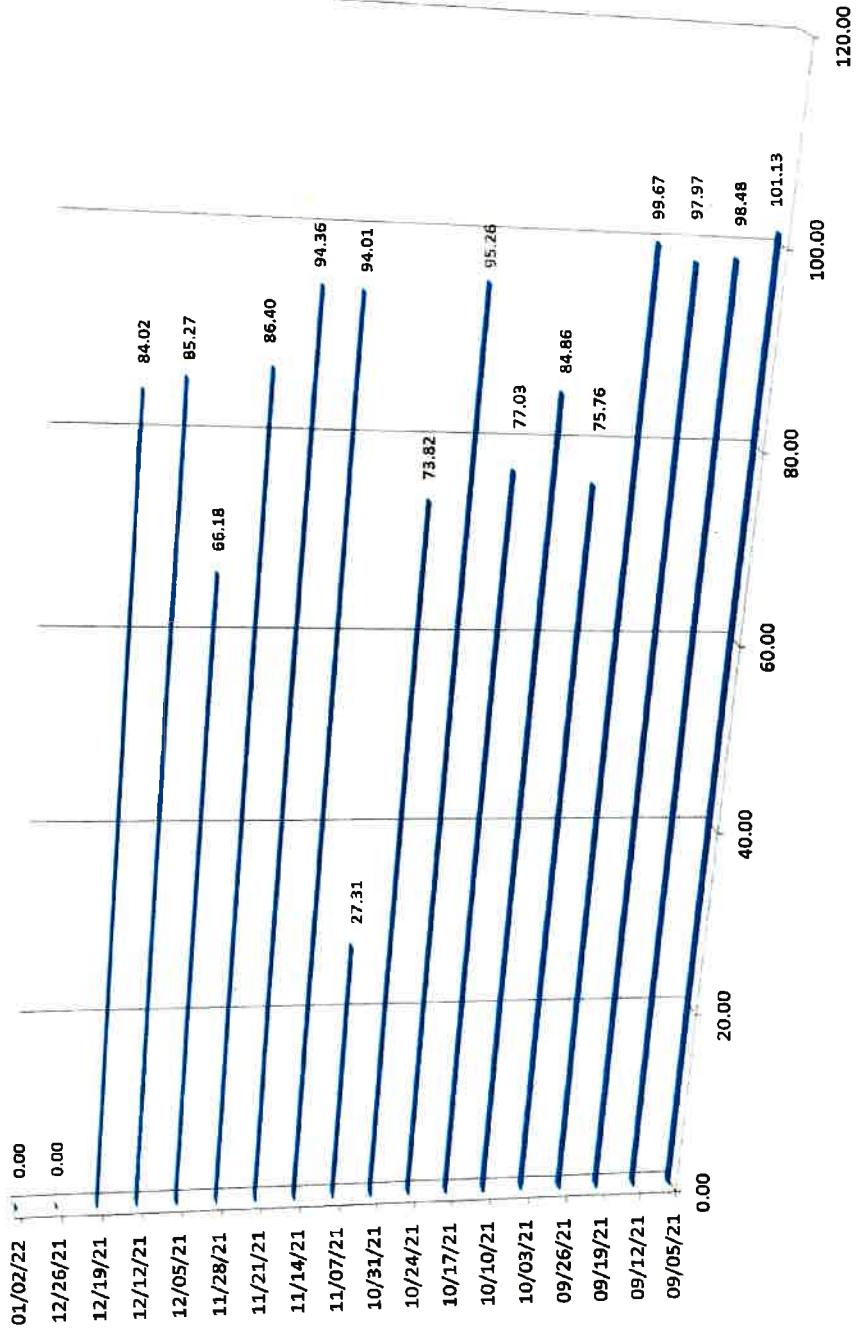
BLR#11 Steam Flow % of Target Steam flow Production



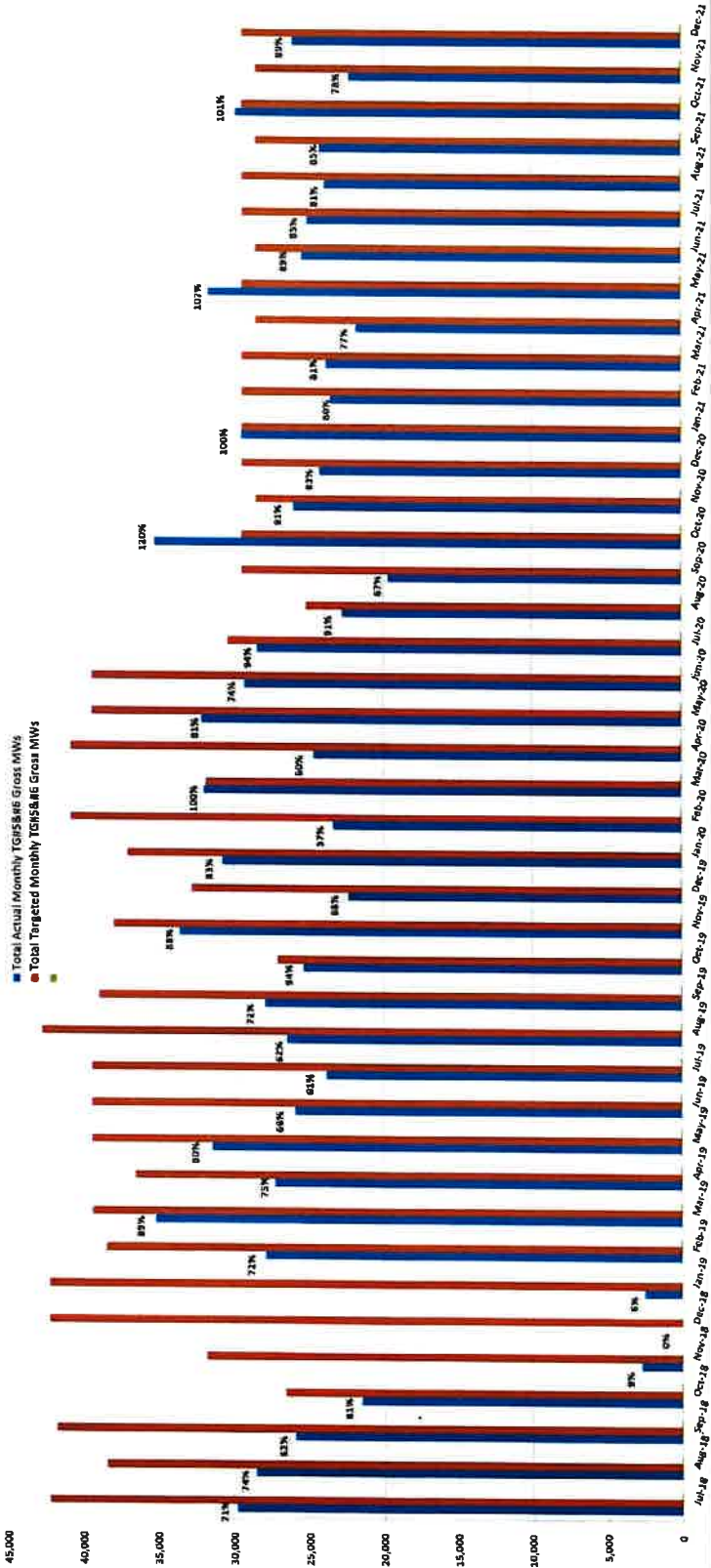
BLR#12 Steam Flow % of Target Steam flow Production



BLR#13 Steam Flow % of Target Steam flow Production



Combined Monthly TGIS&IE Gross MWs - Actual to Targeted



TAB C

MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Customer MSW and Recyclables Deliveries

December-21

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Dec 20	Dec 21	Growth
CSWS MSW									
Tier 1	391,251	400,941	2%	205,994	188,395	(9%)	35,009	29,438	(16%) (1)
Tier 2	13,013	13,580	4%	7,074	6,896	(3%)	1,202	1,139	(5%) (1)
Non-Processible MSW	2,637	2,946	12%	1,224	1,063	(13%)	130	13	(90%) (1)
Hauler Contract	114,976	64,521	(44%)	37,468	44,180	18%	6,182	7,536	22%
Contract (FCR Residue)	11,723	7,736	(34%)	4,853	0	(100%)	985	0	(100%) (1)
Ferrous Residue	6,868	6,502	(5%)	3,366	2,739	(19%)	570	0	(100%)
In-State Spot	0	9,219	-	0	4,714	-	0	377	-
Out-of-State Spot	0	27	-	0	0	-	0	0	-
MSW TOTAL	540,468	505,471	(6%)	259,979	247,986	(5%)	44,077	38,503	(14%)

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Dec 20	Dec 21	Growth
CSWS Recyclables									
Tier 1	56,609	54,036	(5%)	28,660	24,567	(14%)	4,970	4,384	(12%) (2)
Hauler Contract	20,474	5,361	(74%)	4,304	543	(87%)	802	134	(83%) (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%)	32,964	25,111	(24%)	5,772	4,518	(22%)

MSW CSWS Diversions, Exports, Re-Directed Tons

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

Recycling CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Dec 20	Dec 21	Growth
CSWS Facility and/or TS	4,122	11,216	172%	2,043	24,987	1123%	0	4,415	-
Re-Directed Material (2)	0	1,650	-	1,650	0	(100%)	0	0	-
TOTAL TONNAGE	4,122	12,866	212%	3,693	24,987	577%	0	4,415	-

(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	Dec 20	Dec 21	Growth
Avon	12,112	12,660	5%	6,483	6,737	4%	1,135	1,160	2%
Bethlehem	1,710	1,811	6%	950	918	(3%)	163	128	(21%)
Bloomfield	15,811	13,870	(12%)	6,947	8,174	18%	1,144	1,262	10%
Canaan	474	496	5%	259	259	0%	40	42	6%
Canton	4,637	4,779	3%	2,515	2,539	1%	463	414	(11%)
Clinton	8,193	8,371	2%	4,411	4,176	(5%)	639	752	18%
Chester	1,139	1,392	22%	769	624	(19%)	140	98	(30%)
Colebrook	604	595	(1%)	313	350	12%	56	70	25%
Cornwall	530	599	13%	311	295	(5%)	60	60	(0%)
Deep River	3,359	3,087	(8%)	1,610	1,606	(0%)	225	303	34%
Durham/Middlefield	6,634	5,988	(10%)	3,223	2,214	(31%)	572	270	(53%)
East Granby	2,480	2,221	(10%)	1,138	1,229	8%	195	195	0%
East Hartford (2)	27,411	28,425	4%	14,459	0	(100%)	2,478	0	(100%)
East Hampton	6,691	7,017	5%	3,701	3,162	(15%)	645	493	(23%)
Ellington	5,228	5,271	1%	2,743	2,707	(1%)	464	455	(2%)
Essex	2,997	2,640	(12%)	1,346	1,430	6%	256	220	(14%)
Farmington	13,526	12,866	(5%)	6,562	6,133	(7%)	1,175	1,007	(14%)
Glastonbury	18,718	19,725	5%	10,036	9,950	(1%)	1,712	1,530	(11%)
Goshen	1,452	1,543	6%	825	792	(4%)	125	120	(4%)
Granby	4,271	4,416	3%	2,252	2,326	3%	408	399	(2%)
Haddam	3,346	3,495	4%	1,805	1,809	0%	346	308	(11%)
Hartford	80,122	84,363	5%	41,936	43,518	4%	7,383	6,443	(13%)
Harwinton	2,017	2,061	2%	1,100	1,116	1%	194	202	4%
Killingworth	2,061	1,647	(20%)	876	851	(3%)	142	157	11%
Litchfield	5,264	5,360	2%	2,826	2,879	2%	450	446	(1%)
Lyme	759	798	5%	421	410	(3%)	74	63	(15%)
Marlborough	2,401	2,759	15%	1,415	1,360	(4%)	230	193	(16%)
Middlebury	2,369	2,504	6%	1,381	1,148	(17%)	269	205	(24%)
Naugatuck	13,281	13,939	5%	7,409	5,785	(22%)	1,211	943	(22%)
Newington	19,499	20,347	4%	10,416	10,327	(1%)	1,792	1,621	(10%)
Norfolk	777	774	(0%)	445	415	(7%)	68	66	(3%)
North Canaan	2,005	2,054	2%	1,084	1,093	1%	164	168	2%
North Branford (4)	4,996	4,467	(11%)	2,385	0	(100%)	431	0	(100%)
Old Lyme	4,133	4,966	20%	2,519	2,602	3%	331	268	(19%)
Old Saybrook	8,742	8,715	(0%)	4,603	4,653	1%	683	759	11%
Portland	3,734	4,100	10%	2,112	2,128	1%	355	362	2%
Rocky Hill	12,171	12,510	3%	6,512	6,665	2%	1,113	1,057	(5%)
Roxbury (3)	671	722	8%	396	0	(100%)	68	0	(100%)
RRDD#1	11,082	11,319	2%	5,916	5,848	(1%)	955	881	(8%)
Salisbury/Sharon	3,152	3,508	11%	1,845	1,767	(4%)	291	281	(4%)
Simsbury	11,370	11,315	(0%)	5,879	6,036	3%	1,053	971	(8%)
Thomaston	4,299	4,425	3%	2,257	2,382	6%	412	365	(11%)
Torrington	22,954	23,611	3%	12,201	12,463	2%	2,080	1,995	(4%)
Watertown	11,157	12,005	8%	6,131	5,510	(10%)	1,045	847	(19%)
Westbrook (1)	2,856	3,010	5%	1,560	1,714	10%	227	268	18%
Wethersfield	14,357	14,380	0%	7,543	8,091	7%	1,170	1,263	8%
Woodbury	3,699	4,015	9%	2,166	2,207	2%	376	331	(12%)
TOTAL TIER 1 PART.	391,251	400,941	2%	205,994	188,395	(9%)	35,009	29,438	(16%)

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

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

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

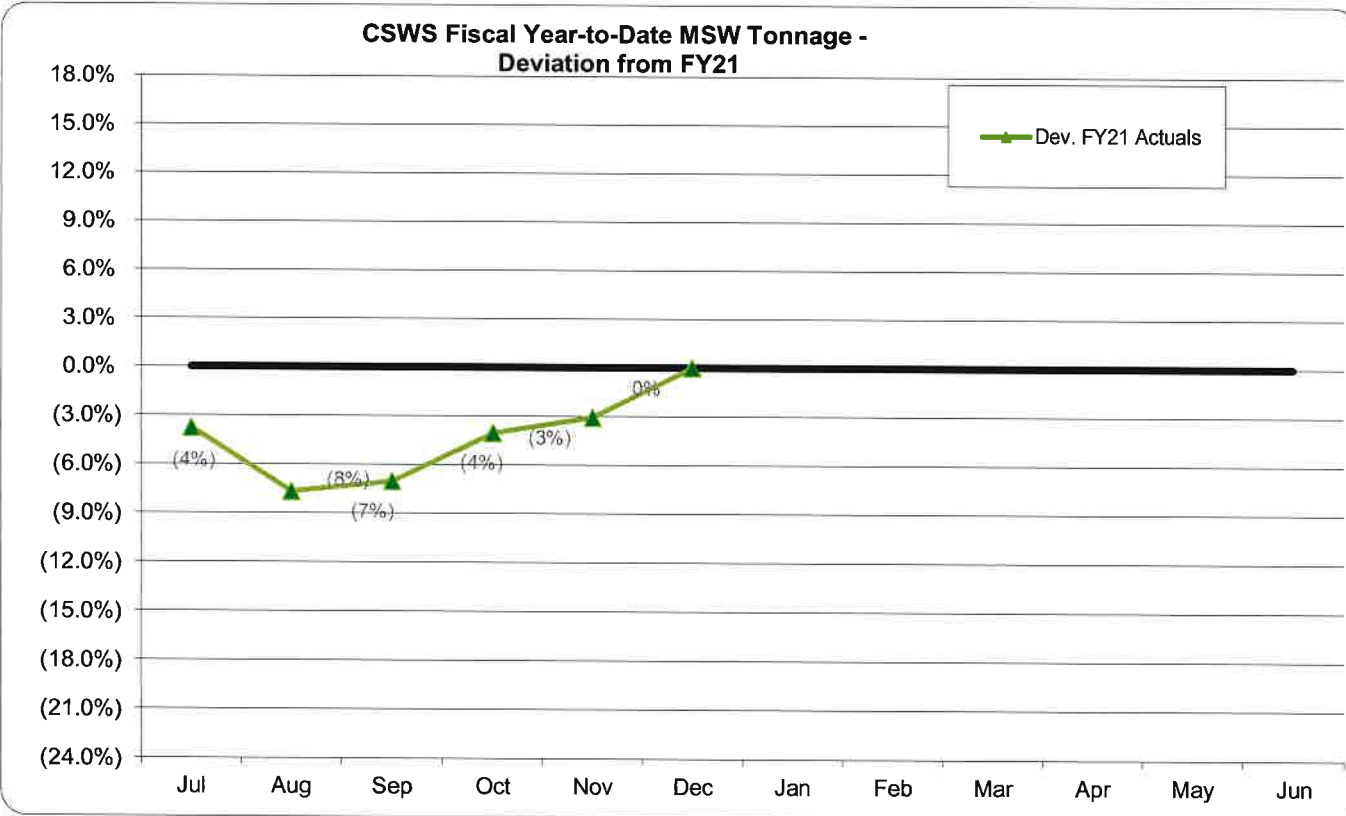
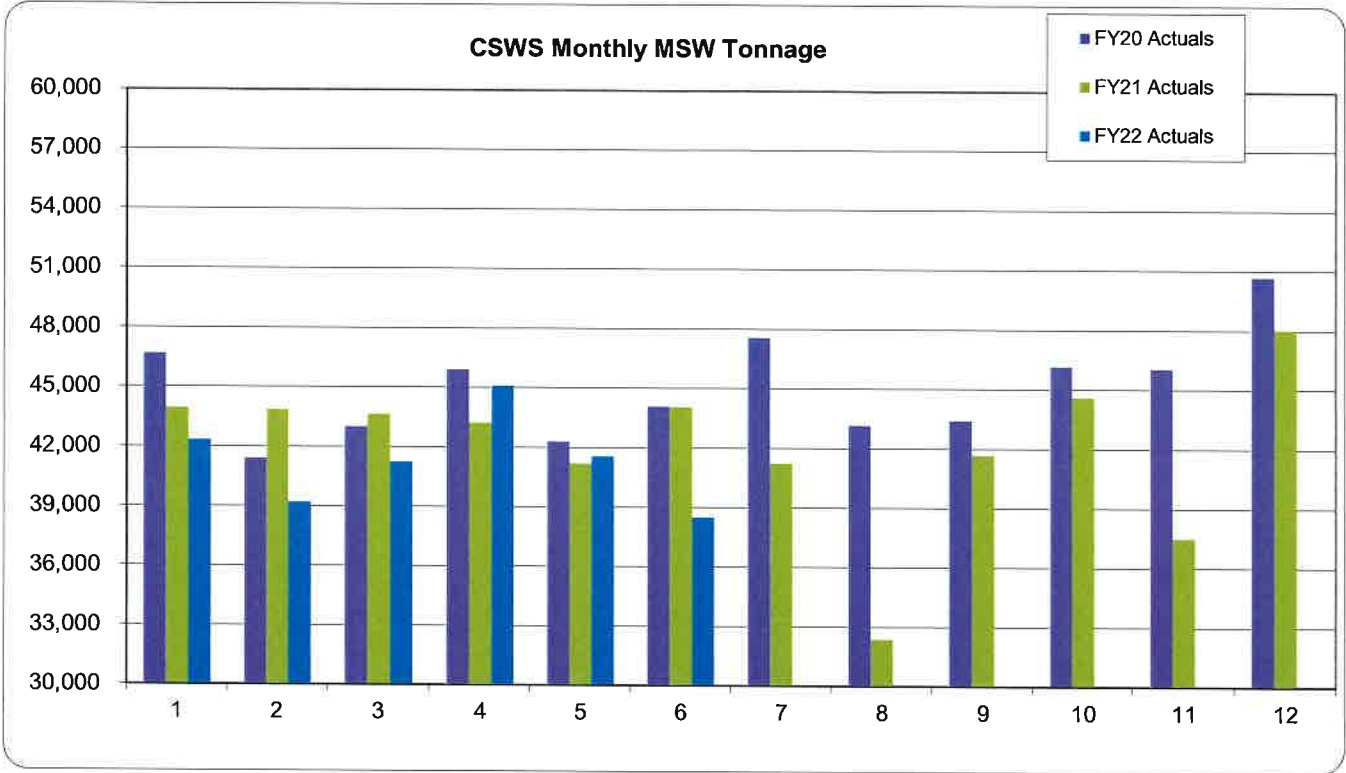
(3) Roxbury- Not a member starting 7/1/2021

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

CSWS Tier 2 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Dec 20	Dec 21	Growth
Manchester	13,013	13,580	4%	7,074	6,896	(3%)	1,202	1,139	(5%)
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,013	13,580	4%	7,074	6,896	(3%)	1,202	1,139	(5%)

CSWS MSW Trends



Connecticut Solid Waste System
Monthly Customer Recyclables Deliveries
CSWS Tier 1 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Dec 20	Dec 21	Growth
Avon	1,925	2,041	6%	1,032	967	(6%)	168	177	5% (a)
Bethlehem	367	369	1%	193	149	(23%)	39	29	(27%)
Bloomfield	1,582	1,568	(1%)	833	818	(2%)	138	137	(0%) (a)
Canaan	106	204	93%	79	99	26%	17	12	(32%)
Canton	891	920	3%	489	482	(2%)	109	100	(9%) (a)
Chester	328	405	23%	230	178	(23%)	49	32	(34%)
Clinton	1,215	1,029	(15%)	637	325	(49%)	94	85	(9%)
Colebrook	184	206	12%	105	111	5%	17	20	19%
Cornwall	174	190	9%	97	83	(15%)	20	18	(10%)
Deep River	400	292	(27%)	145	177	22%	20	34	71%
Durham/Middlefield	933	903	(3%)	500	366	(27%)	98	79	(20%) (a)
East Granby	439	478	9%	238	199	(16%)	43	12	(71%) (a)
East Hartford (2)	3,461	2,998	(13%)	1,657	0	(100%)	205	0	(100%) (a)
East Hampton	1,028	1,044	2%	548	526	(4%)	122	112	(8%) (a)
Ellington	1,263	1,290	2%	655	627	(4%)	102	95	(7%) (a)
Essex	828	748	(10%)	408	395	(3%)	80	91	13%
Farmington	2,221	2,086	(6%)	1,090	989	(9%)	202	180	(11%) (a)
Glastonbury	3,493	3,445	(1%)	1,826	1,585	(13%)	373	294	(21%) (a)
Goshen	371	383	3%	203	185	(9%)	42	33	(22%)
Granby	1,296	1,273	(2%)	672	649	(3%)	136	124	(9%) (a)
Haddam	649	672	3%	357	317	(11%)	63	67	6% (a)
Hartford	3,826	1,375	(64%)	890	1,109	25%	23	161	596% (a)
Harwinton	476	502	5%	264	247	(7%)	53	49	(6%)
Killingworth	494	462	(6%)	233	198	(15%)	46	40	(14%)
Litchfield	780	837	7%	415	412	(1%)	74	76	2%
Lyme	263	290	10%	151	153	2%	34	30	(10%)
Marlborough	523	533	2%	282	253	(10%)	48	46	(4%) (a)
Middlebury	898	922	3%	500	431	(14%)	105	84	(20%)
Naugatuck	2,216	2,249	1%	1,206	1,090	(10%)	218	186	(15%)
Newington	2,481	2,503	1%	1,291	1,225	(5%)	238	222	(7%) (a)
Norfolk	166	167	1%	94	87	(8%)	18	17	(6%)
North Branford (4)	1,210	1,159	(4%)	593	0	(100%)	68	0	(100%)
North Canaan	258	251	(3%)	137	123	(10%)	22	23	4%
Old Lyme	1,256	1,358	8%	746	689	(8%)	126	118	(6%)
Old Saybrook	1,276	1,414	11%	790	719	(9%)	135	122	(10%)
Portland	816	857	5%	446	410	(8%)	79	66	(16%) (a)
Rocky Hill	1,540	1,471	(4%)	757	728	(4%)	136	125	(8%) (a)
Roxbury (3)	232	268	16%	150	0	(100%)	26	0	(100%)
RRDD#1	1,666	1,671	0%	854	821	(4%)	144	131	(9%)
Salisbury-Sharon	1,179	1,229	4%	657	619	(6%)	111	96	(14%)
Simsbury	2,602	2,602	0%	1,363	1,298	(5%)	273	248	(9%) (a)
Thomaston	913	881	(3%)	455	498	9%	81	86	6%
Torrington	2,785	2,883	4%	1,463	1,452	(1%)	262	251	(4%)
Watertown	1,558	1,634	5%	862	785	(9%)	154	126	(18%)
Westbrook (1)	573	503	(12%)	263	282	7%	38	53	40%
Wethersfield	2,647	2,575	(3%)	1,334	1,293	(3%)	239	232	(3%) (a)
Woodbury	820	893	9%	471	421	(11%)	86	68	(21%)
TOTAL TIER 1 PART.	56,609	54,036	(5%)	28,660	24,567	(14%)	4,970	4,384	(12%)

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

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

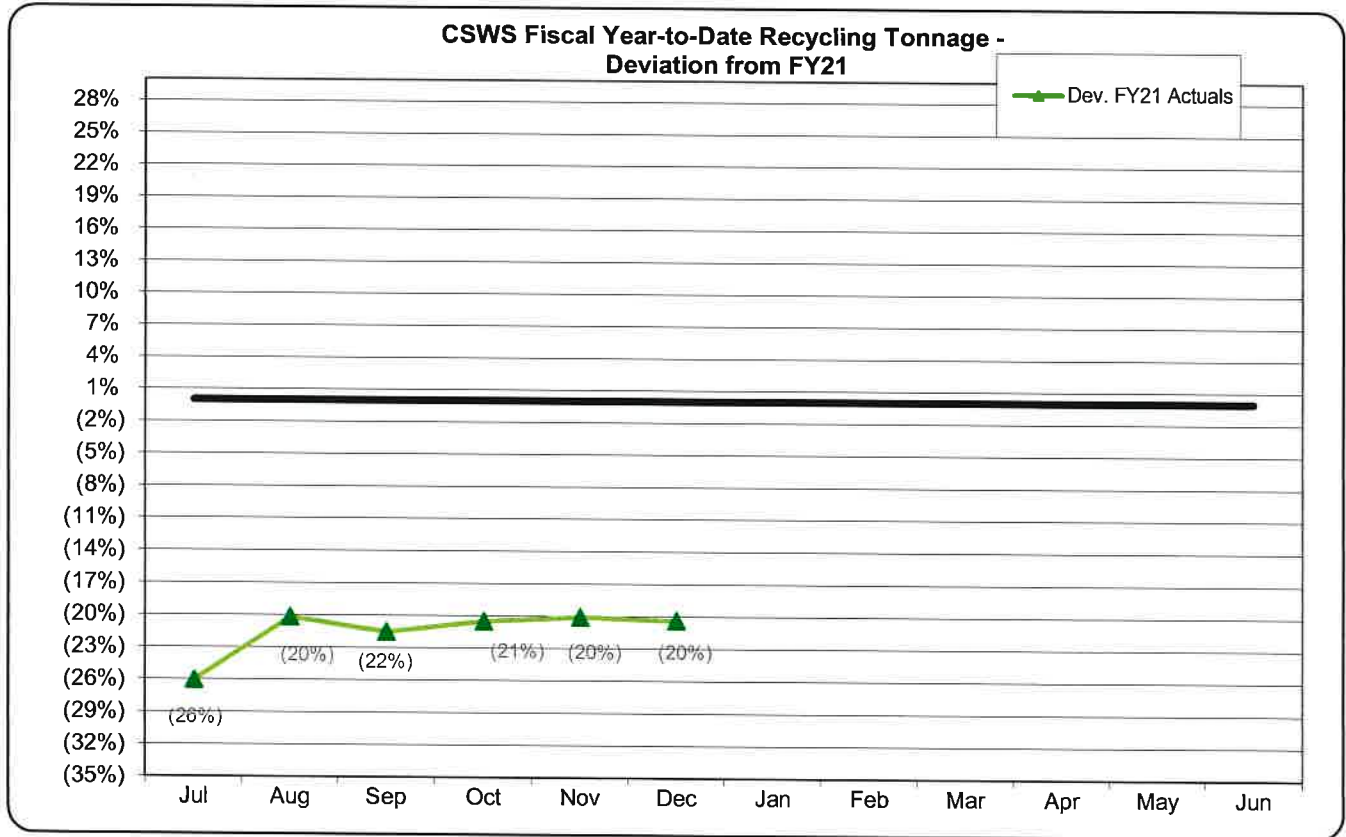
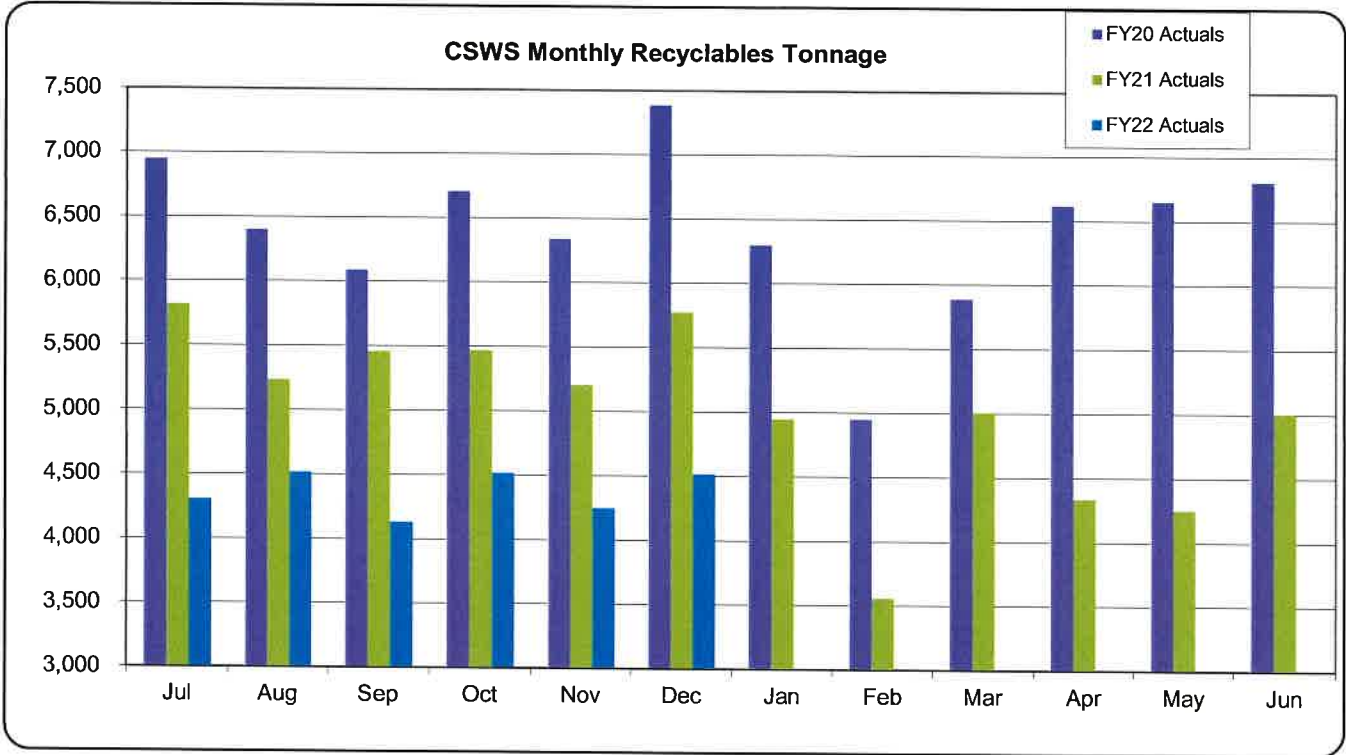
(2) East Hartford- Not a member starting 7/1/21

(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

