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MEMORANDUM

TO: MIRA Board of Directors
FROM: Donald S. Stein, Chairman
DATE: May 5, 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, May 11, 2022 at 9:30 a.m.*

Members of the public may attend the meeting in person in the board room at MIRA headquarters, or may attend the meeting telephonically by calling (929) 205-6099, entering Meeting ID: 897 8198 7194, and entering Passcode: 023520# 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 April 27, 2022 Regular Board Meeting (*Attachment 1*).
- IV. Finance Committee Report
 - a. Review and Approve Resolution Regarding Fiscal Year 2023 CSWS Deficit Funding Under a Modified Program of Operations (*Attachment 2*).
 - b. Review and Approve Resolution Regarding Establishing and Funding a Tier 1 Short Term Discount Reserve (*Attachment 3*).
 - c. Review and Approve Resolution Regarding 401(k) Plan Services (*Attachment 4*)
- V. Policies and Procurement Committee Report
 - a. Review and Approve Resolution Regarding Fiscal Year 2023 Hauler Agreement (*Attachment 5*).
 - b. Review and Approve Resolution Regarding the Purchase of Jet Fuel for the South Meadows Jet Turbine Facility (*Attachment 6*).

- c. Review and Approve Resolution Regarding an Agreement with USDA for Bird Control at the South Meadows Facility (*Attachment 7*).
- d. Review and Approve Resolution Regarding Legal Spending for Fiscal Year 2023 (*Attachment 8*).
- e. Review and Approve Resolution Regarding 3-Year Agreements for Engineering Services Beginning in Fiscal Year 2023 (*Attachment 9*).

VI. OS & HR Committee Report

VII. Chairman's and President's Report

- a. Attached Supplemental Information / Other Matters

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

APRIL 27, 2022

A Regular Telephonic Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held via Zoom on Wednesday, April 27, 2022. Present via audio or video conferencing were:

Appointed Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Bert Hunter
Susan Weisselberg
Leonard Assard
Ed Mone
Dave Steuber
Richard Soderman
Tom Swarr (left 12:00)
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
Dave Bodendorf, Senior Environmental Engineer/Manager of Construction and Power Products
Roger Guzowski, Contract and Procurement Manager

Others Present:

Ann Catino, Halloran & Sage
Mike Paine, Paine's Inc.
Attorney Ed Spinella

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.

Mike Paine, President of Paine's Inc., addressed the Board. He said that, after the Hartford Facility closed in July, he understands that waste from the towns of Granby and East Granby, which Paine's serves, will be directed to MIRA's Torrington transfer station. He explained that that would be a dramatic change from current routes, with increased safety concerns in winter weather and a huge impact on Paine's operations and costs. He said he would be asking MIRA and the towns not to require waste to be flow controlled to MIRA.

Attorney Ed Spinella addressed the Board. He said that he agrees with Mr. Paine, and that his client, USA Waste, has similar concerns. He then discussed his issues with the proposed contract with Enviro Express. He said that he was not "taking another shot at the RFP process", as was said at last week's Finance Committee meeting, but rather pointing out that MIRA has the option to terminate the RFP for O&M and T&D at Torrington and to continue the existing agreement with USA Waste for one more year, which he believes would result in significant savings to MIRA.

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

Chairman Stein requested a motion to accept the minutes of the March 9, 2022 Board meeting. The motion to approve the minutes was made by Director Fortuna and seconded by Director Soderman.

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

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

2. Approval of the Minutes of the March 17, 2022 Special Board Meeting.

Chairman Stein requested a motion to accept the minutes of the March 17, 2022 Special Board meeting. The motion to approve the minutes was made by Director Mone and seconded by Director Soderman.

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

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

3. Executive Session.

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

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

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

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

Executive Session began at 9:55 a.m. and ended at 12:38 p.m. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and proceeded with the remaining agenda items.

4. MOTION TO TABLE AGENDA ITEMS VI(a) and (b) AND ITEMS VII(a) and (b).

Chairman Stein requested a Motion to Table the above-referenced Agenda items. The motion was made by Director Soderman and seconded by Director Mone.

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

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

5. RESOLUTION REGARDING AN AGREEMENT FOR OPERATION, MAINTENANCE AND TRANSPORTATION SERVICES FOR THE TORRINGTON TRANSFER STATION.

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

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

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

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

WHEREAS: MIRA received proposals for the Transportation and Disposal of Municipal Solid Waste (“T&D Proposals”) from seven proposing entities offering transportation and/or disposal capacity at seven Regional Facilities and ten Out of State Landfills (including those listed in Attachment 1 to this resolution who proposed services relative to the Torrington transfer station); and

WHEREAS: MIRA received proposals for the Operation, Maintenance and Optional Redevelopment of the Connecticut Solid Waste System Transfer Stations (“O&M Proposals”) from six proposing entities offering operation, maintenance and / or redevelopment services for the Torrington, Watertown and Essex Transfer Stations and the Waste to Energy Facility (including those listed in Attachment 1 to this resolution who proposed services relative to the Torrington transfer station); and

WHEREAS: MIRA evaluated such proposals pursuant to published evaluation criteria which included i) MIRA's objective to continue providing for the least cost, lowest risk, environmentally responsible processing of MSW at least through the June 30, 2027 expiration of the Municipal Service Agreements, ii) MIRA's objective to provide the necessary CSWS Transfer Facility operating and maintenance services while at the same time leveraging the private use and development thereof to lower MIRA's overall cost of service and advance the State's long term goals for environmentally responsible treatment of MSW, iii) Transportation and Disposal Capacity and Price (with and without the existing Municipal Service Agreement Opt Out clauses), iv) Transfer Station O&M Cost (net of potential Capacity Share Arrangements), v) Demonstrated Experience, vi) Reasonableness of Transition and Operating Plans, Environmental Compliance History and Business Exceptions and vii) Operational, Market and Economic Risks; and

WHEREAS: On August 25, 2021 Enviro Express, Inc. (Enviro Express) submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Torrington Transfer Station, and on September 20, 2021 Enviro Express submitted a proposal to MIRA for the Operation and Maintenance of the Torrington Transfer Station; and

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

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

Now therefore be it:

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

MOTION TO AMEND THE RESOLUTION

Chairman Stein requested a Motion to Amend the foregoing Resolution, to include a request to management to put together a transition plan for MIRA a.s.a.p., to look at our options going forward in light of MIRA’s mission and contractual obligations. The Motion to Amend was made by Director Mone and seconded by Director Soderman.

Director Bronin expressed his strong opinion that there is no longer any public policy served by MIRA’s continued operation, or need for MIRA to act as a broker when it is clear that the market can handle the waste stream. He said that he is concerned that MIRA is burning down reserves to subsidize tip fees for a diminishing number of towns, with no long term sustainability plan or any public policy justification.

The Motion to Amend the Resolution was unanimously approved by roll call vote. Chairman Stein, Vice Chairman Hayden, Director Fortuna, Director Hunter, Director Weisselberg, Director Assard, Director Mone, Director Steuber, Director Soderman, and Ad Hoc Bronin voted yes.

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

Tom Swarr			
Luke Bronin	X		

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

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

6. OS & HR COMMITTEE REPORT

Director Hayden reported on the OS&HR Committee meeting earlier today. He said that the Committee is working with management on a staffing plan for MIRA post-Facility shutdown, and expects to have a further report to share with the Board regarding the plan at the next meeting.

7. PRESIDENT'S REPORT

President Kirk noted that MIRA would be withdrawing its application for a permit modification to operate as a transfer station at South Meadows, since the decision to close the Facility in July is now confirmed. He also reported on favorable power prices during the month, and said that MIRA has entered the ten-minute forward reserve market, and has sold the output of the Jets at very favorable pricing for the four summer months.

Adjournment

Chairman Stein requested a Motion to Adjourn. The motion was made by Director Soderman and seconded by Director Mone. The meeting adjourned at 12:47 p.m.

TAB 2

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

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

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

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

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

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

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

NOW THEREFORE, be it

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

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

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

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

FURTHER RESOLVED: that Management shall incorporate such administrative budget modifications into the fiscal year 2023 monthly budget spreads presented to the MIRA Finance Committee on May 4, 2022.

TAB 3

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING ESTABLISHING AND FUNDING THE TIER 1 SHORT TERM DISCOUNT RESERVE

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

WHEREAS, MIRA encouraged the CSWS Participating Municipalities to enter into such MSA Amendments by i) defining its Tip Fee Stabilization Fund as the fund maintained by MIRA through application of its net revenues other than CSWS Service Fees and Non Disposal Fee Revenue, ii) agreeing to maintain such Tip Fee Stabilization Fund, and iii) agreeing to apply such Tip Fee Stabilization Funds as may be available to its calculation of the Tier 1 Short-Term Disposal Fee for fiscal years 2024 through 2027; and

WHEREAS, such MSA Amendments further incorporate Projected Tier 1 Short Term Disposal Fees for MIRA's fiscal years 2024 through 2027 together with an annual anticipated Tier 1 Short Term Discount, to be funded through use of the Tip Fee Stabilization Fund, corresponding Disposal Fees and Opt Out Disposal Fees; and

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

WHEREAS, as of the date of this resolution, twenty-one CSWS Participating Municipalities representing approximately fifty thousand (50,000) tons of municipal solid waste and corresponding single stream recycling deliveries have executed, or intend to execute, such MSA Amendments; and

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

WHEREAS, MIRA desires to fund and authorize such Tier 1 Short Term Discounts through use of existing reserves in the amount of ten million, seven hundred thirteen thousand, and four hundred twenty-two dollars (\$10,713,422) and through annual income from its Property Division and Landfill Division totaling one million six hundred thousand dollars (\$1,600,000) for fiscal years 2024 through 2027; and

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

NOW THEREFORE, be it

RESOLVED: Management is authorized to establish a Tier 1 Short Term Discount Reserve (“Discount Reserve”) within the State Treasurer’s Short Term Investment Fund and to transfer ten million, seven hundred thirteen thousand, four hundred twenty - two dollars (\$10,713,422) into such Discount Reserve from the following sources:

1. \$1,891,469 from MIRA’s Landfill Operating Account;
2. \$1,302,947 from MIRA’s Property Division Operating Account; and
3. \$7,519,006 from MIRA’s Property Division General Fund.

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

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

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

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

TAB 4

**RESOLUTION REGARDING 3-YEAR AGREEMENT FOR
401(k) PLAN SERVICES.**

RESOLVED: That the President is hereby authorized to execute an agreement with the following firm for 401(k) Plan Services, substantially as presented and discussed at this meeting:

- Hooker and Holcombe

Materials Innovation and Recycling Authority

Agreement Summary

401(k) Plan Services

Presented to the MIRA Board on: April 27, 2022

Vendor/Contractor(s): Hooker & Holcombe (“H&H”)

Effective Date: July 1, 2022

Contract Type/Subject Matter: 401(k) Plan Services

Facility(ies) Affected: Not Applicable

Contract Dollar Value: All costs are based on the hourly charges to complete the Services, as presented herein. Although during the last 2 ½ -year period, MIRA’s total expenditures for these services through the 2nd quarter of FY 2022 were \$29,426, there is the potential that total expenditures related to this contract could exceed \$50,000. As such, this is being brought to the Board in an abundance of caution to ensure compliance with Sec. 8 of Section 22a-265 of the Connecticut General Statutes.

Term: Through June 30, 2025

Amendment(s): Not applicable

Term Extensions: Not applicable

Scope of Work: Consultant services are intended to fulfill all of MIRA’s due diligence requirements for oversight of its 401(k) plan investment options. The Consultant shall provide quarterly analyses of the financial performance of MIRA’s 401(k) Plan’s investment options, in coordination with MIRA’s 401(k) Committee, including on-going recommendations for keeping MIRA’s 401(k) Plan up to date. Consultant also provides MIRA employees with annual education sessions.

Termination: May be terminated by MIRA upon at least thirty (30) days advance written notice.

Materials Innovation and Recycling Authority

Agreement Summary

401(k) Plan Services

Board of Directors

April 27, 2022

Executive Summary

This is to request that the Board of Directors authorize the President to enter into an agreement with the following firm for 401(k) Plan Services, substantially as presented and discussed at this meeting:

- Hooker and Holcombe (H&H")

Discussion

According to section 5.3.5 of MIRA's Procurement Policies and Procedures, MIRA solicits proposals at least once every three years for professional services, including financial advisory services.

The current agreement for 401(k) Plan Services expires on June 30, 2022.

MIRA issued a Request for Proposals (RFP) for 401(k) Plan Services on February 15, 2022.

Via this RFP, MIRA sought to engage a Consultant to provide quarterly analyses of the financial performance of MIRA's 401(k) Plan's investment options including on-going recommendations for keeping MIRA's 401(k) Plan up to date. Consultant shall also provide MIRA employees with annual education sessions.

Consultant services are intended to fulfill all of MIRA's due diligence requirements for oversight of its 401(k) plan investment options including, but not limited to:

- Review of general economic conditions affecting relevant members
- Performance of funds included in MIRA's 401(k) plan in comparison to relevant benchmarks and similar funds
- Recommendation and alerts concerning funds that should be removed from or added to MIRA's 410(k) Plan investment options.

At its discretion, MIRA may require that prior to undertaking work on a specific task, Consultant and an Authorized Representative mutually agree in writing upon a detailed Scope of Services required for such task, together with an estimate of the time, cost, and expenses for such Services. Any such future work would be procured through an RFS, and any RFS for more than \$50,000 per fiscal year would require prior approval by the MIRA Board of Directors.

Overview of RFP

MIRA issued a Request for Proposals (RFP) for 401(k) Plan Services on February 15, 2022.

The availability of the RFP was advertised on the Department of Administrative Services State Contracting Portal website and on the MIRA website.

In addition:

- A notice regarding the availability of the RFP was sent to firms who submitted a notice of interest form 3 years ago when the authority last issued an RFP for these services.
- An industry trade publication (Pensions & Investments) published an article to its subscribers about the availability of MIRA's RFP.

Responses to the RFP for 401(k) Plan Services were due by March 24, 2022. MIRA received proposals from one (1) firm:

- Hooker and Holcombe

Evaluation of Proposals

MIRA's President identified Mark Daley, MIRA's Chief Financial Officer; assisted by Roger Guzowski, MIRA's Contract and Procurement Manager (collectively the "Evaluation Team") to evaluate the Proposals that were received.

Proposal Submission

H&H timely submitted a complete proposal including all required attachments and forms and took no business exceptions to the proposed contract included with the RFP.

Incumbent Status

H&H (including its subsidiary Hooker & Holcombe Investment Advisory Group) has served as MIRA's 401K Plan advisor since 2007 and MIRA's 401K Advisory Committee has been fully satisfied with its services.

Hourly billing rates

H&H proposed a variable billing rate structure for each member of their team ranging in FY23 from \$211/hour to \$527/hour. This represents an approximate 2.5% increase from the rates in last year of the current contract. The new proposed hourly rates then escalate between 2.3% and 2.8% each year during the subsequent years in the proposed contract Term.

Based on its responsive proposal and positive experience as the incumbent, the Evaluation Team recommends H&H to provide 401(k) Plan Services for MIRA.

Financial Summary

MIRA is billed on an hourly basis by the Consultant for the Services specified in the scope of services. These services are undertaken in coordination with MIRA's 401(k) Committee.

During the last 2 ½ -year period, MIRA's total expenditures for these services to date were \$29,426 (at this time MIRA has not yet received the quarterly invoice for the last two quarters of FY2022).

At its discretion, MIRA may require that prior to undertaking work on a specific task, Consultant and an Authorized Representative mutually agree in writing upon a detailed Scope of Services required for such task, together with an estimate of the time, cost, and expenses for such Services. Any such future work would be procured through an RFS, and any RFS for more than \$50,000 per fiscal year would require prior approval by the MIRA Board of Directors.

TAB 5

**RESOLUTION REGARDING THE CONNECTICUT SOLID WASTE
SYSTEM SOLID WASTE AND RECYCLABLES DELIVERY
AGREEMENT (COMMERCIAL HAULER AGREEMENT)**

RESOLVED: The President is authorized to enter into revenue contracts with commercial haulers for the delivery of Acceptable Solid Waste and Acceptable Recyclables to the Connecticut Solid Waste System, substantially as presented and discussed at this meeting.

Connecticut Solid Waste System

Solid Waste and Recyclables Delivery Agreement

CONTRACT SUMMARY

Presented to Board:	May 11, 2022
Counterparty:	Commercial Waste Haulers
Contract Type:	Revenue - Standard Form Solid Waste Delivery Agreement
Facility:	Connecticut Solid Waste System Facilities
Term:	One Year (7/1/2022 – 6/30/2023; Fiscal Year 2023)
Revenue:	Approximately \$8,293,500
General:	This Agreement governs deliveries of MSW received from Commercial Haulers which originate in Tier 1 municipalities for which MIRA bills the Commercial Hauler directly. For MSW delivered from Tier 1 Short Term municipalities Commercial Haulers will be billed \$111.00 per ton, and from Tier 1 Long Term Municipalities, \$116.00 per ton.
Service Fees:	<u>Municipal Solid Waste</u> \$111.00/ton (MSW from Tier 1 Short Term Municipalities) \$116.00/ton (MSW from Tier 1 Long Term Municipalities) <u>Recyclables</u> MIRA will only accept recyclables from Tier 1 municipalities; these recyclables are accepted at no charge.
Delivery Requirement:	Hauler agrees to deliver all Acceptable Solid Waste collected within the corporate boundaries of the Connecticut Solid Waste System Tier 1 Participating Municipalities, and all residential and municipal Acceptable Recyclables under its control collected within the corporate boundaries of the Connecticut Solid Waste System Tier 1 Participating Municipalities.
Delivery Standard:	Acceptable Solid Waste and Acceptable Recyclables in accordance with Connecticut Solid Waste System Permitting, Disposal & Billing Procedures.

Credit Security:

Guaranty of payment in a form of letter of credit, surety bond or cashier's check in the amount equal to 2 months of waste delivery charges.

Materials Innovation & Recycling Authority Connecticut Solid Waste System

Standard Form Municipal Solid Waste and Recyclables Delivery Agreement

May 11, 2022

Executive Summary

The current waste delivery agreements between MIRA and commercial waste haulers expire on June 30, 2022. MIRA management is seeking authorization to enter into new agreements with these waste haulers for the delivery of solid waste and recyclables to the Connecticut Solid Waste System for Fiscal Year 2023 (7/1/2022 through 6/30/2023).

Discussion:

Since 1998 MIRA has had Municipal Solid Waste Delivery Agreements with commercial waste hauling companies for the delivery of municipal solid waste (MSW). The current agreement between MIRA and its commercial waste hauling customers was effective July 1, 2021 and expires on June 30, 2022. The new agreement will be for a term of one year (July 1, 2022 through June 30, 2023).

The agreement requires Haulers to deliver all Acceptable Solid Waste under their control and collected from residential, municipal and commercial customers within the corporate boundaries of any Tier 1 Participating Municipality, and a requirement that the hauler deliver all Acceptable Recyclables under their control that are collected from residential and municipal customers within the corporate boundaries of any Tier 1 Participating Municipality.

During Fiscal Year 2023, for MSW delivered from Tier 1 Short Term municipalities Commercial Haulers will be billed \$111.00 per ton, and from Tier 1 Long Term Municipalities, \$116.00 per ton.

Recyclables will be accepted at no charge.

The agreement provides for a guaranty of payment equal to 2 months of projected deliveries.

TAB 6

**RESOLUTION REGARDING THE PURCHASE OF JET FUEL FOR
THE SOUTH MEADOWS JET TURBINE FACILITY**

RESOLVED: That the President is hereby authorized to execute a purchase order with Dime Oil Company, LLC for the purchase of Ultra Low Sulfur No. 1 Diesel Fuel to support operation of the South Meadows Jet Turbine Facility, substantially as presented and discussed at this meeting.

Materials Innovation and Recycling Authority
Contract Summary for Purchase of Ultra-Low Sulfur No. 1 Diesel Fuel
for the South Meadows Jet Turbine Facility

Presented to the MIRA Board on: May 11, 2022

Vendor/Contractor(s): Dime Oil Company, LLC

Effective Date: Upon Issuance of Purchase Order

Contract Type/Subject Matter: Pursuant to CT Department of Administrative Services Contract

Facility(ies) Affected: South Meadows Jet Turbine Facility

Original Contract: Department of Administrative Services
Contract No. 15PSX0035. (This DAS contract expires 6/30/2025).

Term: MIRA Fiscal Year 2023

Contract Dollar Value: Not to exceed \$267,000. (As budgeted in the FY2023 Property Division Budget.)

Amendment(s): Not applicable

Term Extensions: Not applicable

Scope of Services: Purchase of Ultra Low Sulfur No. 1 Diesel Fuel (i.e., Jet Fuel) for the South Meadows Jet Turbine Facility. The President is authorized to purchase Jet Fuel during FY2023, as necessary, in order to ensure that an adequate volume of jet fuel is available to support operation of MIRA's Jet Turbine Facility.

Other Pertinent Provisions: The price of the fuel fluctuates daily. On the day that MIRA purchases fuel, MIRA receives a firm price quote from Dime Oil Company, LLC for a specific volume of fuel, which firm price is a function of the daily price posted by the Oil Price Information Service for New Haven, CT, in accordance with the CT DAS contract.

Materials Innovation and Recycling Authority Property Division

Purchase of Ultra-Low Sulfur No. 1 Diesel Fuel to support Operation of the South Meadows Jet Turbine Facility

May 11, 2022

Executive Summary

This is to request that the Board of Directors authorize the President to purchase Jet Fuel for the MIRA South Meadows Jet Turbine Facility, on an as needed basis, in order to ensure that there is a sufficient volume of Jet Fuel at the facility to support the operation. The President will be authorized to purchase up to \$267,000 of fuel, if necessary, during fiscal year 2023.

Discussion

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 System as “peaking capacity” and typically are called to run only approximately 15 hours per year.

MIRA contracted with NAES Corporation (“NAES”) to operate and maintain the JTF beginning June 1, 2012. Under the agreement with NAES, MIRA is responsible for paying the cost of jet fuel.

MIRA purchases the fuel from Dime Oil Company, LLC pursuant to a CT Department of Administrative Services (DAS) contract. Dime Oil Company, LLC is the preferred vendor in Hartford County for this particular fuel on the CT DAS contract.

Because the value of jet fuel purchases will exceed \$50,000 during the fiscal year, which requires Board of Director approval, MIRA management is seeking Board authorization to purchase fuel from Dime Oil Company, LLC during FY2023. In this case, purchases would be made on an “as needed” basis, would be pursuant to a DAS contract, and would not exceed the amount budgeted for FY2023.

Financial Summary

MIRA has budgeted \$267,000 for purchase of Jet Fuel in FY2023 in the Property Division Budget.

TAB 7

**RESOLUTION REGARDING COOPERATIVE SERVICES
AGREEMENT BETWEEN THE MATERIALS INNOVATION AND
RECYCLING AUTHORITY AND THE UNITED STATES
DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH
INSPECTION SERVICES / WILDLIFE SERVICES**

RESOLVED: That the President is hereby authorized to execute an agreement with the United States Department of Agriculture Animal and Plant Health Inspection Services - Wildlife Services, for the control of nuisance birds at the South Meadows Waste Processing Facility, substantially as presented and discussed at this meeting.

Materials Innovation and Recycling Authority

Cooperative Service Agreement with the United States Department of Agriculture Animal and Plant Health Inspection Service at the CSWS Waste Processing Facility

Presented to the MIRA Board on: May 11, 2022

Vendor/ Contractor(s): United States Department of Agriculture, Animal & Plant Health Inspection Services, Wildlife Services

Effective date: July 1, 2022

Contract Type/Subject matter: Service Agreement for bird and other pest control at the South Meadows Waste Processing Facility.

Facility Affected: CSWS Waste Processing Facility

Original Contract: This is a new contract.

Term: July 1, 2022 through June 30, 2023

Contract Dollar Value: \$31,000.00

Amendment(s): NA

Term Extensions: NA

Scope of Services: Provide integrated bird control services at the South Meadows WPF.

Other Pertinent Provisions: USDA is engaged as a contractor with Special capability pursuant to section 3.1.2.5 of MIRA's Procurement Policies & Procedures; accordingly, this contract is awarded as an exception to the competitive process.

Either party has the right to terminate the agreement with sixty (60) days notice. MIRA will not be obligated to pay for these services for the entire fiscal year.

Materials Innovation and Recycling Authority Connecticut Solid Waste System

Cooperative Services Agreement with United States Department of Agriculture for the Control of Birds

May 11, 2022

Executive Summary

This is to request approval of the MIRA Board of Directors for the President to enter into an agreement with the United States Department of Agriculture (USDA), Animal and Plant Health Inspection Services (APHIS), Wildlife Services (WS) to perform work at the South Meadows Waste Processing Facility on Maxim Road to control nuisance birds. USDA will be engaged as a contractor with special capability pursuant to section 3.1.2.5 of CRRA's Procurement Policies & Procedures; accordingly, this contract is awarded as an exception to the competitive process.

Discussion

As the owner and solid waste permittee of the South Meadows Resource Recovery Facility (RRF), MIRA has a regulatory obligation to control vectors, including birds. Historically, the South Meadows RRF has seasonally experienced excessive bird activity. Despite attempts in past years by MIRA's contractor and project staff to control bird activity using various means, including pyrotechnics, nuisance bird activity has been a recurring issue and if not managed adequately, may present a potential threat to the incoming and outgoing aircraft at the neighboring Brainard Airport.

In 2004, MIRA staff made inquiries to solid waste management facility operators in other states, as well as to regulatory agencies, with the intent of identifying additional options for controlling birds at its solid waste facilities. MIRA's search identified the USDA as an organization that is equipped to provide support in management of nuisance birds. Consequently, MIRA entered into a Pilot Agreement with the USDA In 2004 to provide services at both the Hartford Landfill and the South Meadows Waste Processing Facility. The approach used in controlling birds has involved several methods, using various types of pyrotechnics, visual deterrents and safe traps, as well as toxicants and firearms. The USDA program proved successful, and MIRA has contracted with the USDA for these activities since 2004.

Based on annual reports provided by the USDA during the past decade, and observations made by USDA and MIRA personnel, the work performed by USDA continues to be effective in controlling the number of nuisance birds at the CSWS Waste Processing Facility. Although the vector control activities conducted by USDA at the WPF primarily involve control of nuisance birds, USDA also provides management of other nuisance animals as necessary, including skunks, raccoons and

possum. The USDA Report for the past year's activities is included in the supplemental information package.

In addition to the on-site vector control services, USDA Wildlife Services also provides support to MIRA in completing, submitting and timely processing of the vector depredation permit, which authorizes MIRA – and through MIRA the USDA Wildlife Services – to undertake these depredation activities. MIRA obtains the depredation permit from the USDA, and must renew the permit on an annual basis.

MIRA management recommends contracting with the USDA for these bird control activities in FY 2023.

Importantly, the Agreement with USDA Wildlife Services provides that either party may terminate the contract with a sixty (60) day notice. Considering that MIRA currently plans to stop processing Municipal Solid Waste at the Waste-to-Energy facility in July, MIRA will have the flexibility to terminate the agreement after the facility is shut down. MIRA will not be obligated to contract for these services for the entire fiscal year.

Financial Summary

The term of the contract is July 1, 2022 through June 30, 2023. The total not-to-exceed cost is \$31,000, which includes the cost of personnel, vehicles, supplies and administration. This is the same contract price as the current year. USDA Wildlife Services invoices MIRA in twelve (12) equal monthly installments (\$2,583/month).

These nuisance bird management activities were contemplated when the FY 2023 budget was developed, and \$31,000 has been included in the FY 2023 CSWS WPF operating budget for this purpose. MIRA will terminate the contract prior to the end of the fiscal year, likely at the end of August or September 2022.

TAB 8

**BOARD RESOLUTION REGARDING FY 2023
PROJECTED LEGAL EXPENDITURES**

WHEREAS, MIRA has negotiated three-year Legal Services Agreements with various law firms for the provision of legal services beginning July 1, 2020; and

WHEREAS, MIRA now seeks Board authorization for projected legal expenditures pursuant to said Agreements during Fiscal Year 2023; and

WHEREAS, The Board of Directors has approved Fiscal Year 2023 budgeted legal expenditures in the Authority Budget operating account, the CSWS operating account, the Property Division operating account, and the Landfill Division operating account; and

WHEREAS, funding is requested at this time from a CSWS reserve not approved through the budget process;

NOW THEREFORE, it is

RESOLVED: That the following amounts be authorized for projected legal fees to be incurred during the initial months of FY '23:

<u>Firm:</u>	<u>Amount:</u>
Cohn Birnbaum & Shea	10,000
Halloran & Sage	330,000
Kainen, Escalera & McHale	30,000

and

FURTHER RESOLVED: That a budget of \$200,000 be established for payment of FY 23 legal fees and expenses incurred in connection with the lawsuit known as *Zurich American Insurance Company et al. v. NAES*; that \$200,000 from the CSWS Legal Reserve be available as the funding source for such budget; and that the President be authorized to expend up to that budgeted amount for payment of such legal costs; and

Further RESOLVED: That Management shall report the legal expenditures monthly on an accrual basis reconciled to the Authority's general ledger.

Materials Innovation and Recycling Authority

AUTHORIZATION TO PAY FY 2023 PROJECTED LEGAL EXPENDITURES

May 11, 2022

Executive Summary

This is to request Board authorization of the payment of FY 2023 projected legal expenditures for the firms, from the sources, and up to the amounts set forth in the attached resolution.

Discussion

The funds requested to be authorized are included in the FY 23 Board-approved legal budgets, with the exception of funds for the matter known as *Zurich American Insurance Company et al. v. NAES*. When budgets were established last winter, no funds were included for legal fees related to that matter. Consistent with the Board-approved practice followed last year, MIRA requests that funds available in the CSWS Legal Reserve continue to be used to pay such costs.

Please note that this initial request for authorization may not include all of the funds designated for legal expenses in FY 23 budgets; some funds are reserved for matters anticipated to arise later during FY 23 and/or for which the choice of appropriate counsel has not yet been determined.

TAB 9

RESOLUTION REGARDING ENGINEERING, CONSULTING, AND POWER- PRODUCT PROFESSIONAL SERVICES

RESOLVED: That the President is hereby authorized to enter into contracts with the following firms and individuals for Engineering, Consulting, and Power-Product Professional Services, substantially as discussed and presented at this meeting:

<p>Environmental Consulting and Engineering Services</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Freeman Companies HDR Engineering, Inc. HRP Associates, Inc. Gershman, Brickner, & Bratton, Inc. GNCB Consulting Engineers, P.C. Langan CT, Inc. Project Management Associates, LLC SCS Engineers Tighe & Bond, Inc., TRC Environmental Corporation Weston & Sampson Engineers, Inc.</p> <p>General Engineering Services</p> <p>Cornerstone Engineering Group LLC Freeman Companies HDR Engineering, Inc. HRP Associates, Inc. Langan CT, Inc. SCS Engineers Tighe & Bond, Inc. Westcott and Mapes, Inc. Weston & Sampson Engineers, Inc.</p> <p>Power-Product Marketing, Procurement and Consulting</p> <p>Cornerstone Engineering Group LLC Daymark Energy Advisors, Inc.</p> <p>Solid Waste Systems</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Project Management Associates, LLC SCS Engineers Tighe & Bond, Inc.</p>	<p>Resource Recovery and Thermal Energy-from-Waste</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Project Management Associates, LLC</p> <p>Composting, Organics Recovery and Organic Waste</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. SCS Engineers Tighe & Bond, Inc. Weston & Sampson Engineers, Inc.</p> <p>Biological Energy From Waste</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. SCS Engineers Weston & Sampson Engineers, Inc.</p> <p>Multi-material segregation</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Tighe & Bond, Inc.</p> <p>Recycling & Scrap</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Project Management Associates, LLC Tighe & Bond, Inc.</p>
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Materials Innovation and Recycling Authority

Agreement Summary

Engineering, Consulting, and Power-Product Professional Services Agreement

Presented to the MIRA Board on:	May 11, 2022
Vendor/ Contractor(s):	Various (See Attached)
Effective date:	July 1, 2022
Contract Type/Subject matter:	Three-year on-call services Agreement for Engineering, Consulting, and Power-Product Professional Services
Facility(ies) Affected:	Not Applicable
Original Contract:	Not Applicable
Term:	July 1, 2022 through June 30, 2025
Contract Dollar Value:	Not Applicable
Amendment(s):	Not applicable
Term Extensions:	Not applicable
Scope of Services:	On-call engineering and consulting services in the following areas: Environmental Consulting and Engineering Services; General Engineering; Power-Product Marketing, Procurement and Consulting; Solid Waste Systems; Resource Recovery and Thermal Energy-from-Waste; Composting, Organics Recovery & Organics Waste; Biological Energy-from-Waste; Multi-Material Segregation; and Recycling & Scrap .
Other Pertinent Provisions:	Any work awarded under the Agreements will be pursuant to a Request for Services (“RFS”). Any RFS in excess of \$50,000 per fiscal year will require approval by the Board of Directors.

Materials Innovation and Recycling Authority

Consulting, Engineering and Land Surveying Services

May 11, 2022

Executive Summary

From time to time MIRA requires the assistance of firms and individuals to provide technical and professional consulting services in a variety of solid waste consulting, engineering and environmental areas. MIRA's "Procurement Policies and Procedures" establishes a "Request for Qualifications" ("RFQ") process to obtain such services. The current Agreements for engineering services and land surveying services expire June 30, 2022.

This is to request approval of the MIRA Board of Directors for the President to enter into agreements with the firms and individuals identified on the attached list to provide services as described below for the three-year period beginning July 1, 2022 and ending June 30, 2025. Any work performed under such an agreement will be pursuant to a Request for Services ("RFS"), and any RFS that is in excess of \$50,000 per fiscal year will require approval of the Board of Directors.

Discussion

MIRA's "Procurement Policies and Procedures" establishes an RFQ process as "the process by which MIRA identifies persons to perform services on behalf of . . . MIRA through the solicitation of qualifications, experience, prices and such other matters as MIRA determines may bear on the ability to perform services." After completing the RFQ process, MIRA's Procurement Policies and Procedures further specify that MIRA "may determine in its sole and absolute discretion, to engage the services of any one or more professional or technical services provider(s) qualified through the RFQ process." MIRA has historically used the RFQ process to pre-qualify firms for a variety of technical services that it requires (e.g., engineering services). In accordance with its Procurement Policies and Procedures and Connecticut State Statute, MIRA is required to solicit for technical and professional services at least once every three years. Agreements for engineering services and land surveying services that are currently in effect will expire on June 30, 2022.

Overview of RFQ

MIRA issued a RFQ for engineering, consulting, and power-product professional services on February 1, 2022. The availability of the RFQ was advertised on MIRA's website, and the Connecticut Department of Administrative Services State Contracting Portal. A notice regarding the availability of the RFQ was also emailed to all firms who submitted a Notice Of Interest Form or Statement of Qualifications 3 years ago when an RFQ for these services was last issued.

Responses to the Engineering, Consulting, and Power-Product Professional Services RFQ were due by March 31, 2022.

MIRA received responses to the RFQ from 15 firms. Table 1 below indicates the categories of services for which each of the respondents to the RFQ requested consideration.

The responses were first evaluated for administrative sufficiency, and then evaluated for technical merit. As identified by MIRA's President, MIRA Operations and Environmental staff conducted the technical evaluations, including Peter Egan, Director of Operations and Environmental Affairs; Thomas Gaffey, Director of Recycling and Enforcement; Christopher Shephard, Environmental Compliance Manager; David Bodendorf, Senior Environmental Engineer/Manager of Construction and Power Products; and Richard Quelle, Chief Engineer. Responses were evaluated based on MIRA's evaluation, in its sole discretion of the respondent's payment rates, qualifications and experience, the experience of the individuals who would be assigned to do work, the respondent's reputation, organization and approach, and the respondent's demonstrated willingness to work as partners with MIRA (or other clients if respondent had not previously worked with MIRA).

Firms meeting the requirements of a small business enterprise ("SBE"), or a minority business enterprise ("MBE") were also considered in the review process. Four (4) of the respondents indicated that they qualified as SBEs (three [3] of which are registered with the State of Connecticut as SBEs) and one (1) of the respondents indicated that they were qualified as, and had registered with the State of Connecticut as MBEs. It is MIRA's intention to request that the firms that are qualified to register with the State as SBEs pursue such registration with the State upon contract award.

Based on the evaluation conducted by MIRA staff, the following firms/individuals were selected for recommendation to the Board of Directors in each of the following service categories:

TABLE 1

<p>Environmental Consulting and Engineering Services</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Freeman Companies HDR Engineering, Inc. HRP Associates, Inc. Gershman, Brickner, & Bratton, Inc. GNCB Consulting Engineers, P.C. Langan CT, Inc. Project Management Associates, LLC SCS Engineers Tighe & Bond, Inc., TRC Environmental Corporation Weston & Sampson Engineers, Inc.</p> <p>General Engineering Services</p> <p>Cornerstone Engineering Group LLC Freeman Companies HDR Engineering, Inc. HRP Associates, Inc. Langan CT, Inc. SCS Engineers Tighe & Bond, Inc. Westcott and Mapes, Inc. Weston & Sampson Engineers, Inc.</p> <p>Power-Product Marketing, Procurement and Consulting</p> <p>Cornerstone Engineering Group LLC Daymark Energy Advisors, Inc.</p> <p>Solid Waste Systems</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Project Management Associates, LLC SCS Engineers Tighe & Bond, Inc.</p>	<p>Resource Recovery and Thermal Energy-from-Waste</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Project Management Associates, LLC</p> <p>Composting, Organics Recovery and Organic Waste</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. SCS Engineers Tighe & Bond, Inc. Weston & Sampson Engineers, Inc.</p> <p>Biological Energy From Waste</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. SCS Engineers Weston & Sampson Engineers, Inc.</p> <p>Multi-material segregation</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Tighe & Bond, Inc.</p> <p>Recycling & Scrap</p> <p>Arcadis U.S., Inc. Cornerstone Engineering Group LLC Gershman, Brickner, & Bratton, Inc. HDR Engineering, Inc. Project Management Associates, LLC Tighe & Bond, Inc.</p>
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The agreements that are to be executed with these firms will have an effective date of July 1, 2022 and will extend through June 30, 2025.

Financial Summary

MIRA makes no financial commitment to any firm or individual in the three-year services Agreements. This selection simply qualifies a firm or individual as eligible to undertake work for MIRA at a later date, when a specific need is actually identified. By qualifying multiple firms under each service category, MIRA will have the opportunity to solicit competitive cost proposals from multiple firms before procuring services under the three-year services Agreements. Any such future work would be procured through an RFS, and any RFS for more than \$50,000 per fiscal year would require prior approval by the MIRA Board of Directors.

It should be noted that the cost for any particular task-specific RFS that is negotiated with any particular engineering firm pursuant to these three-year service agreements will be based on the hourly rates for time (i.e., professional labor rates) and materials (e.g., daily rental rate for required equipment) that are pre-established in these three year service Agreements.



Materials Innovation and Recycling Authority
Regular Board of Directors Meeting
Supplemental Information
May 11, 2022

I. Finance

1. Informational Reports for the period ending March 31, 2022 (*Attachment A*).

CSWS Financials	Property Division Financials
CSWS Electricity	MIRA Cash Flow
CSWS Solid Waste Summary	Improvement and Major Maintenance Funds
CSWS Recycling Summaries	Authority Budget
CSWS Metal Recovery Operations	A) FY 2023 Budget Spreads
	B) Draft Cash Flow Projection

II. Summary of Project Activities

1. An update is provided on each project's monthly operations for the period ending March 31, 2022 (*Attachment B*).
2. An update is provided on waste deliveries to the CSWS project for the period ending March 31, 2022 (*Attachment C*).
3. Final Activity Report for the MIRA CSWS Facility (*Attachment D*).

III. Communications

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

TAB A



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

As indicated in this report, operating revenues for March totaled \$5.67 million (0.9% below budget). The deficit in Member Town waste deliveries was partially offset by Non Participating Town deliveries. Electricity sales revenue was very strong but offset by a temporary deficit in other energy markets attributed to the timing of 4th quarter REC sales. Year to date operating revenues are 7.8% above budget. Total accrued expenditures for March were \$5.09 million (21.6% under budget) with savings in all line items other than waste transportation. Accrued expenses include operation of the Recycling Facility as a recycling transfer operation, as well as transportation and disposal of pre-combustion ferrous metals. Year to date accrued expenditures are 15.8% under budget. Year to date the CSWS has generated operating income of \$9.88 million which is \$11.68 million above budget.

CSWS Electricity - This report reflects CSWS budget versus actual electricity production, revenue and price for the current month and year to date. Energy revenue reconciles to CSWS Financials. In December 2021 MIRA executed an energy hedge on the first five megawatts of CSWS energy generation. The March 2022 hedged price for the first five megawatts was \$0.07503 per kwh. All other energy is sold in the wholesale energy market.

As indicated in this report, the CSWS total average energy price including hedged and wholesale was \$0.0665 per kwh in March which is \$0.0351 per kwh (111.4%) above budget. Year to date energy price is 87.9% above budget. The CSWS generated 20.42 million Kwh of energy in March which was 0.69 million Kwh (3.3%) below budget. The plant ran at full capacity for 0 out of 31 days. Overall boiler availability was 66.5%. Boiler 11 was off line for 506.04 hours (32.0% availability) initially for a cleaning outage and subsequently due to low fuel and a tube leak. Boiler 12 was reported on line the entire month with the exception of just 1.0 hour (99.9% availability). Boiler 13 was off line for 240.12 hours (67.7% availability) initially due to a tube leak and broken grate chute and subsequently due to low fuel. Turbine 5 was reported on line the entire month. Turbine 6 was reported off line for 28 days due to vacuum, vibration and excitation issues. On a year to date basis, in comparison to this period of fiscal year 2021, energy price is up 105.8%, production is down 5.4% and revenue is up 94.8%.

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.

March deliveries totaled 40,648 tons which is 1,363 tons (3.5%) above budget. Member town deliveries were 5,509 tons (15.5%) under budget while non-participating deliveries were 6,873 tons (184.0%) above budget. Prices for waste hauler tons averaged \$93.00 per ton in March 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 2,036 tons of other contract waste delivered in March at the rate of \$80 per ton pursuant to contracts awarded by the Authority. There was also 4,332 tons of spot waste delivered in March at an average rate of \$65.63 per ton. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 4.9% under budget a year to date basis.



BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING March 31, 2022

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

As indicated in the summary report, 103.79 tons of non-participating recycling were delivered and assessed a tip fee of \$117 per ton for total revenue of \$12,143. There were no such deliveries budgeted. Operating expenses totaled \$289,160 which is 46.6% under budget for March 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 54.8% 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 March, the Authority sold 72.83 gross tons of post combustion ferrous and 19.79 gross tons of maintenance metals for total revenue of \$19,577 which was 243.0% above budget due to strong pricing and higher than budget volume of ferrous sales. Metal sales are 156.8% above budget year to date. Note that the Authority no longer directly sells pre-combustion ferrous metals. This material continues to be extracted from the waste stream and transported for further processing and remarketing but not in the form of a revenue sharing agreement. This waste transportation expense is included on the CSWS Monthly Financial Report (within Waste Transportation).

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

As indicated, revenue to the Property Division was 10.3% above budget in March due to surplus capacity, reserve and real time energy sales. Operating expenses were 38.4% below budget due to savings in all line items. Total operating income is 19.4% 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 March were sufficient to distribute \$730,911 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 May are \$7,119,618. CSWS cash receipts were not sufficient to execute budgeted distributions to the CSWS Operating STIF, Improvement and Major Maintenance funds causing a \$264,700 draw from the Tip Fee Stabilization Fund which included hauler prepaid tip fees as noted on this report. After the distribution of March receipts, \$61,161,807 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 March, the Authority advanced a net amount of \$613,271 to NAES from the Major Maintenance Fund for Boiler 13 and Switch Yard work.

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

[Narrative](#)

CSWS Monthly Financial Report

Period Ending: **March 31, 2022**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
REVENUES								
Member Towns	\$ 3,735,556	\$ 3,157,085	\$ (578,471)	-15.5%	\$ 34,259,834	\$ 29,199,138	\$ (5,060,697)	-14.8%
Other Contracts	\$ 116,529	\$ 162,887	\$ 46,358	39.8%	\$ 1,049,226	\$ 1,723,539	\$ 674,313	64.3%
Hauler - Direct	\$ 154,352	\$ 251,085	\$ 96,733	62.7%	\$ 1,435,097	\$ 2,462,411	\$ 1,027,314	71.6%
Hauler - TS	\$ 76,402	\$ 143,089	\$ 66,687	87.3%	\$ 700,706	\$ 1,409,737	\$ 709,030	101.2%
Spot Waste	\$ -	\$ 284,319	\$ 284,319	n/a	\$ -	\$ 830,816	\$ 830,816	n/a
Bypass, Delivery & Other Charges	\$ -	\$ 77,205	\$ 77,205	n/a	\$ -	\$ 271,537	\$ 271,537	n/a
Member Service Fee	\$ 2,247	\$ 2,126	\$ (120)	-5.4%	\$ 20,604	\$ 19,714	\$ (890)	-4.3%
Metal Sales & Excess Residue	\$ 5,708	\$ 19,577	\$ 13,869	243.0%	\$ 51,375	\$ 136,857	\$ 85,482	166.4%
Bulky Waste	\$ 20,400	\$ 1,315	\$ (19,085)	-93.6%	\$ 184,800	\$ 135,694	\$ (49,106)	-26.6%
Recycling Facility	\$ -	\$ 12,143	\$ 12,143	n/a	\$ -	\$ 99,485	\$ 99,485	n/a
Electricity Sales	\$ 664,338	\$ 1,358,472	\$ 694,133	104.5%	\$ 6,955,842	\$ 11,800,726	\$ 4,844,884	69.7%
Other Energy Markets	\$ 942,822	\$ 189,356	\$ (753,466)	-79.9%	\$ 3,642,781	\$ 3,923,617	\$ 280,836	7.7%
Misc. (Interest, Fees, Other)	\$ 2,266	\$ 12,594	\$ 10,328	455.8%	\$ 16,802	\$ 70,343	\$ 53,541	318.7%
TOTAL ACCRUED REVENUES	\$ 5,720,619	\$ 5,671,253	\$ (49,366)	-0.9%	\$ 48,317,068	\$ 52,083,614	\$ 3,766,546	7.8%
EXPENDITURES								
Administrative Expenses	\$ 189,230	\$ 146,917	\$ 42,313	22.4%	\$ 1,785,359	\$ 1,554,550	\$ 230,809	12.9%
Operational & Contingent . Exp.	\$ 220,412	\$ 123,093	\$ 97,319	44.2%	\$ 2,096,794	\$ 1,479,924	\$ 616,870	29.4%
PILOTS & Fees	\$ 195,481	\$ 193,322	\$ 2,159	1.1%	\$ 1,776,005	\$ 1,742,131	\$ 33,874	1.9%
Waste Transport	\$ 1,011,303	\$ 1,055,202	\$ (43,899)	-4.3%	\$ 9,286,930	\$ 8,546,598	\$ 740,332	8.0%
Recycling Facility	\$ 541,302	\$ 289,160	\$ 252,142	46.6%	\$ 5,249,200	\$ 2,374,165	\$ 2,875,036	54.8%
Murphy Road Operations	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Facilities Operating Exp.	\$ 86,716	\$ 52,606	\$ 34,110	39.3%	\$ 815,619	\$ 876,580	\$ (60,961)	-7.5%
NAES Contract Operating Charges	\$ 2,974,302	\$ 2,868,749	\$ 105,553	3.5%	\$ 23,042,095	\$ 22,423,514	\$ 618,581	2.7%
NAES Contract Major Maint.	\$ 900,000	\$ -	\$ 900,000	n/a	\$ 2,700,000	\$ -	\$ 2,700,000	n/a
NAES On-Site Incentive Comp.	\$ 86,326	\$ 86,326	\$ -	0.0%	\$ 776,934	\$ 661,799	\$ 115,135	14.8%
NAES Management Fees	\$ 104,818	\$ 92,198	\$ 12,620	12.0%	\$ 943,362	\$ 901,954	\$ 41,408	4.4%
Transfer Station - Ellington	\$ 1,141	\$ 603	\$ 538	47.2%	\$ 12,769	\$ 10,640	\$ 2,129	16.7%
Transfer Station - Essex	\$ 65,727	\$ 65,040	\$ 687	1.0%	\$ 593,093	\$ 593,153	\$ (60)	0.0%
Transfer Station - Torrington	\$ 50,138	\$ 49,060	\$ 1,078	2.2%	\$ 452,792	\$ 448,056	\$ 4,736	1.0%
Transfer Station - Watertown	\$ 65,569	\$ 68,050	\$ (2,481)	-3.8%	\$ 591,671	\$ 592,931	\$ (1,260)	-0.2%
TOTAL ACCRUED EXPENDITURES	\$ 6,492,465	\$ 5,090,326	\$ 1,402,139	21.6%	\$ 50,122,623	\$ 42,205,995	\$ 7,916,629	15.8%
OPERATING INCOME								
(Before Reserves / Transfers)	\$ (771,845)	\$ 580,927	\$ 1,352,772	-175%	\$ (1,805,555)	\$ 9,877,619	\$ 11,683,175	-647%
DISTRIBUTION OF CSWS OPERATING INCOME								
CSWS Improvement Fund	\$ -	\$ -	\$ -	n/a	\$ 100,000	\$ 100,000	\$ -	0.0%
CSWS Major Maint. Fund	\$ -	\$ -	\$ -	n/a	\$ 5,305,000	\$ 5,305,000	\$ -	0.0%
CSWS Risk Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
CSWS Legal Reserve	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Severance Reserve	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
TOTAL DISTRIBUTIONS	\$ -	\$ -	\$ -	n/a	\$ 5,405,000	\$ 5,405,000	\$ -	0.0%
SURPLUS / (DEFICIT)	\$ (771,845)	\$ 580,927	\$ 1,352,772	-175%	\$ (7,210,555)	\$ 4,472,619	\$ 11,683,175	-162.0%

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

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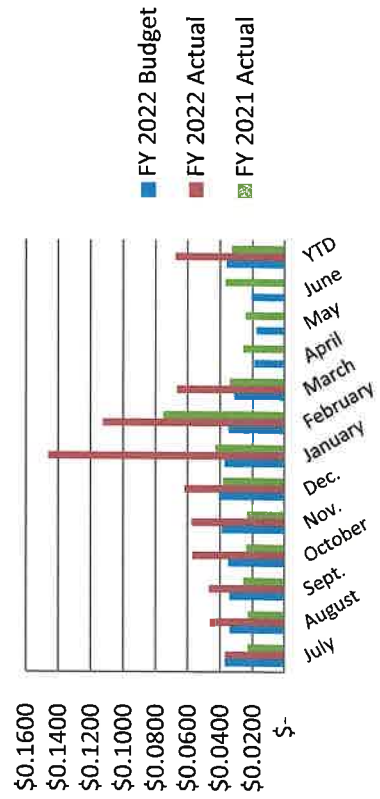
CSWS Electricity Production

Period Ending:

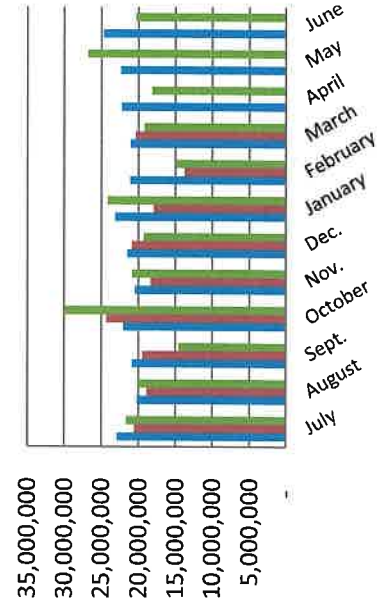
March 31, 2022

FY 2022	Price			Production			Generation Revenue		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
July	\$ 0.0370	\$ 0.0368	\$ (0.0002)	22,916,522	20,592,010	(2,324,512)	\$ 848,167	\$ 757,604	\$ (90,563)
August	\$ 0.0339	\$ 0.0460	\$ 0.0121	20,239,205	18,895,700	(1,343,505)	\$ 685,759	\$ 868,490	\$ 182,730
Sept.	\$ 0.0341	\$ 0.0467	\$ 0.0126	20,913,621	19,514,660	(1,398,961)	\$ 713,124	\$ 911,632	\$ 198,509
October	\$ 0.0350	\$ 0.0571	\$ 0.0221	22,098,687	24,364,910	2,266,223	\$ 773,238	\$ 1,391,233	\$ 617,995
Nov.	\$ 0.0389	\$ 0.0575	\$ 0.0186	20,477,905	18,369,720	(2,108,185)	\$ 796,000	\$ 1,056,427	\$ 260,428
Dec.	\$ 0.0407	\$ 0.0618	\$ 0.0211	21,522,531	20,911,650	(610,881)	\$ 876,170	\$ 1,291,817	\$ 415,647
January	\$ 0.0372	\$ 0.1461	\$ 0.1089	23,196,412	17,962,220	(5,234,192)	\$ 863,844	\$ 2,624,143	\$ 1,760,299
February	\$ 0.0348	\$ 0.1122	\$ 0.0774	21,127,012	13,729,900	(7,397,112)	\$ 735,201	\$ 1,540,907	\$ 805,706
March	\$ 0.0315	\$ 0.0665	\$ 0.0351	21,118,545	20,424,430	(694,115)	\$ 664,338	\$ 1,358,472	\$ 694,133
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	\$ 0.0359	\$ 0.0675	\$ 0.0316	193,610,440	174,765,200	(18,845,240)	6,955,842	11,800,726	\$ 4,844,884
YTD % Var.			87.9%			-9.7%			69.7%

Price / KWh



Production (KWh)



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

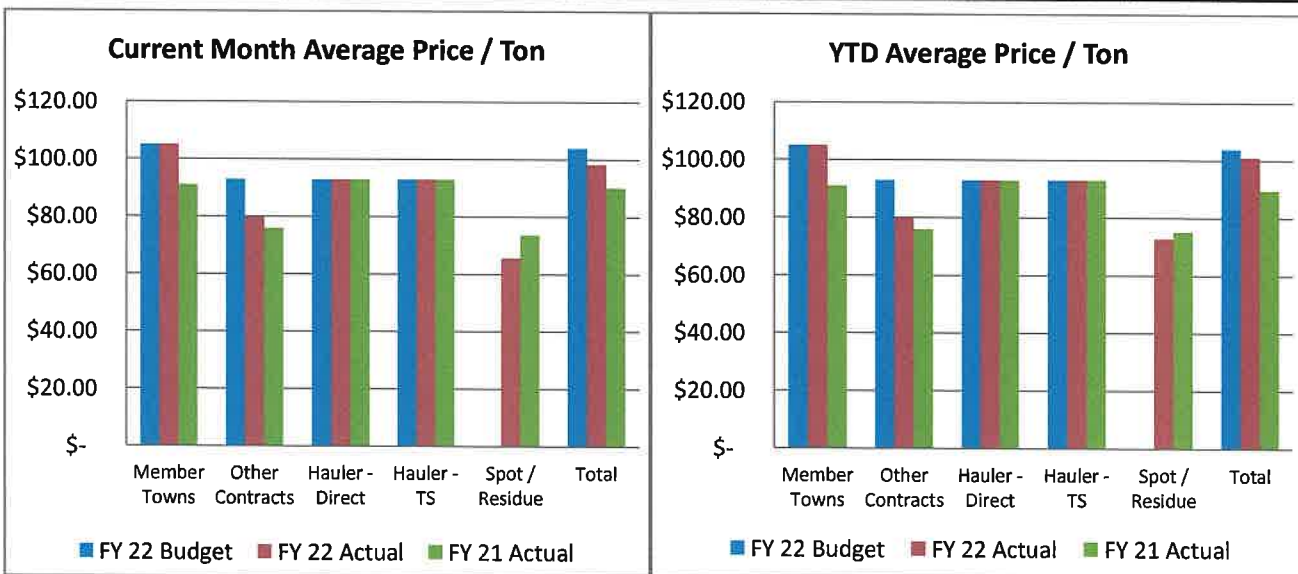
[Narrative](#)

CSWS Solid Waste Summary

Period Ending:

March 31, 2022

FY 22 Budget	Current Month			Year To Date		
	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	35,550	\$ 3,735,556	\$ 105.08	326,043	\$ 34,259,834	\$ 105.08
Other Contracts	1,253	\$ 116,529	\$ 93.00	11,282	\$ 1,049,226	\$ 93.00
Hauler - Direct	1,660	\$ 154,352	\$ 93.00	15,431	\$ 1,435,097	\$ 93.00
Hauler - TS	822	\$ 76,402	\$ 93.00	7,534	\$ 700,706	\$ 93.00
Spot / Residue	-	\$ -	\$ -	-	\$ -	\$ -
Total	39,285	\$ 4,082,839	\$ 103.93	360,291	\$ 37,444,864	\$ 103.93
FY 22 Actual	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	30,041	\$ 3,157,085	\$ 105.09	277,852	\$ 29,199,138	\$ 105.09
Other Contracts	2,036	\$ 162,887	\$ 80.00	21,544	\$ 1,723,539	\$ 80.00
Hauler - Direct	2,700	\$ 251,085	\$ 93.00	26,478	\$ 2,462,411	\$ 93.00
Hauler - TS	1,539	\$ 143,089	\$ 93.00	15,154	\$ 1,409,737	\$ 93.03
Spot / Residue	4,332	\$ 284,319	\$ 65.63	11,409	\$ 830,816	\$ 72.82
Total	40,648	\$ 3,998,464	\$ 98.37	352,436	\$ 35,625,640	\$ 101.08
Variance	Tons	Revenue	Price	Tons	Revenue	Price
Member Towns	(5,509)	\$ (578,471)	\$ 0.01	(48,191)	\$ (5,060,697)	\$ 0.01
Other Contracts	783	\$ 46,358	\$ (13.00)	10,262	\$ 674,313	\$ (13.00)
Hauler - Direct	1,040	\$ 96,733	\$ -	11,046	\$ 1,027,314	\$ -
Hauler - TS	717	\$ 66,687	\$ -	7,620	\$ 709,030	\$ 0.03
Spot / Residue	4,332	\$ 284,319	\$ 65.63	11,409	\$ 830,816	\$ 72.82
Total	1,363	\$ (84,374)	\$ (5.56)	(7,854)	\$ (1,819,223)	\$ (2.85)
Total % Var.	3.5%	-2.1%	-5.4%	-2.2%	-4.9%	-2.7%



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

[Narrative](#)

Period Ending:

March 31, 2022

Budget FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 21,101	\$ -	\$ 634,116
August	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
September	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
October	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
November	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
December	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 16,851	\$ -	\$ 629,866
January	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
February	-	-	-	-	-	\$ 117	\$ -	\$ 44,366	\$ 429,477	\$ 16,851	\$ -	\$ 490,694
March	-	-	-	-	-	\$ 117	\$ -	\$ 49,663	\$ 474,787	\$ 16,851	\$ -	\$ 541,302
April	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
May	-	-	-	-	-	\$ 117	\$ -	\$ 59,596	\$ 559,745	\$ 16,851	\$ -	\$ 636,192
June	-	-	-	-	-	\$ 117	\$ -	\$ 59,596	\$ 559,745	\$ 16,839	\$ -	\$ 636,180
YTD	-	-	-	-	-	\$ 117	\$ -	\$ 486,038	\$ 4,607,253	\$ 155,909	\$ -	\$ 5,249,200

Actual FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	1.33	-	5.27	63.16	69.76	\$ 117	\$ 8,162	\$ 56,038	\$ 262,319	\$ 13,428	\$ 31,907	\$ 363,692
August	4.95	-	4.42	66.42	75.79	\$ 117	\$ 8,867	\$ 52,455	\$ 139,371	\$ 6,482	\$ 1,102	\$ 199,410
September	2.85	-	5.34	57.49	65.68	\$ 117	\$ 7,685	\$ 53,043	\$ 118,399	\$ 7,093	\$ (23,581)	\$ 154,955
October	1.42	-	5.80	89.92	97.14	\$ 117	\$ 11,365	\$ 48,982	\$ 127,878	\$ 39,299	\$ 4,163	\$ 220,322
November	10.45	-	7.93	82.88	101.26	\$ 117	\$ 11,847	\$ 54,337	\$ 182,436	\$ (25,233)	\$ 252	\$ 211,792
December	26.86	-	8.58	98.23	133.67	\$ 117	\$ 15,639	\$ 58,152	\$ 262,646	\$ 8,803	\$ -	\$ 329,601
January	35.66	-	5.21	68.21	109.08	\$ 117	\$ 12,762	\$ 48,150	\$ 260,575	\$ 26,996	\$ -	\$ 335,721
February	22.18	-	3.95	68.00	94.13	\$ 117	\$ 11,013	\$ 42,526	\$ 216,636	\$ 10,053	\$ 298	\$ 269,513
March	28.99	-	5.75	69.05	103.79	\$ 117	\$ 12,143	\$ 52,451	\$ 226,848	\$ 9,861	\$ -	\$ 289,160
April						\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
May						\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
June						\$ 117	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
YTD	134.69	-	52.25	663.36	850.30	\$ 117	\$ 99,485	\$ 466,135	\$ 1,797,108	\$ 96,782	\$ 14,140	\$ 2,374,165

Variance FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	1.33	-	5.27	63.16	69.76	\$ -	\$ 8,162	\$ (2,896)	\$ (291,762)	\$ (7,673)	\$ 31,907	\$ (270,424)
August	4.95	-	4.42	66.42	75.79	\$ -	\$ 8,867	\$ (3,168)	\$ (386,391)	\$ (10,369)	\$ 1,102	\$ (398,826)
September	2.85	-	5.34	57.49	65.68	\$ -	\$ 7,685	\$ 69	\$ (384,708)	\$ (9,758)	\$ (23,581)	\$ (417,977)
October	1.42	-	5.80	89.92	97.14	\$ -	\$ 11,365	\$ (7,965)	\$ (409,211)	\$ 22,448	\$ 4,163	\$ (390,566)
November	10.45	-	7.93	82.88	101.26	\$ -	\$ 11,847	\$ 1,363	\$ (320,670)	\$ (42,084)	\$ 252	\$ (361,140)
December	26.86	-	8.58	98.23	133.67	\$ -	\$ 15,639	\$ (782)	\$ (291,435)	\$ (8,048)	\$ -	\$ (300,265)
January	35.66	-	5.21	68.21	109.08	\$ -	\$ 12,762	\$ (7,473)	\$ (265,187)	\$ 10,145	\$ -	\$ (262,515)
February	22.18	-	3.95	68.00	94.13	\$ -	\$ 11,013	\$ (1,840)	\$ (212,840)	\$ (6,798)	\$ 298	\$ (221,181)
March	28.99	-	5.75	69.05	103.79	\$ -	\$ 12,143	\$ 2,788	\$ (247,940)	\$ (6,990)	\$ -	\$ (252,142)
April												
May												
June												
YTD	134.69	-	52.25	663.36	850.30	\$ -	\$ 99,485	\$ (19,903)	\$ (2,810,146)	\$ (59,127)	\$ 14,140	\$ (2,875,036)

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

[Narrative](#)

Period Ending:

March 31, 2022

Budget FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
August	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
September	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
October	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
November	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
December	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
January	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
February	536.00	\$ 22.78	\$ 12,210	542.70	\$ 37.49	\$ 20,346	495.80	\$ 23.82	\$ 11,810	\$ 44,366
March	600.00	\$ 22.78	\$ 13,668	607.50	\$ 37.49	\$ 22,775	555.00	\$ 23.82	\$ 13,220	\$ 49,663
April	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
May	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
June	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
YTD	5,872.00	\$ 22.78	133,764	5,945.40	\$ 37.49	222,893	5,431.60	\$ 23.82	129,381	\$ 486,038

Actual FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	605.87	\$ 22.28	\$ 13,499	782.64	\$ 38.30	\$ 29,975	538.30	\$ 23.34	\$ 12,564	\$ 56,038
August	562.73	\$ 22.32	\$ 12,560	715.35	\$ 38.38	\$ 27,455	532.08	\$ 23.38	\$ 12,440	\$ 52,455
September	543.60	\$ 21.99	\$ 11,954	733.68	\$ 38.41	\$ 28,181	551.67	\$ 23.40	\$ 12,909	\$ 53,043
October	500.29	\$ 22.35	\$ 11,181	662.06	\$ 38.42	\$ 25,436	553.20	\$ 22.35	\$ 12,364	\$ 48,982
November	565.62	\$ 22.62	\$ 12,794	703.00	\$ 38.87	\$ 27,326	599.88	\$ 23.70	\$ 14,217	\$ 54,337
December	689.59	\$ 22.74	\$ 15,681	741.15	\$ 39.06	\$ 28,949	567.88	\$ 23.81	\$ 13,521	\$ 58,152
January	553.29	\$ 22.74	\$ 12,582	603.04	\$ 39.06	\$ 23,555	504.34	\$ 23.82	\$ 12,013	\$ 48,150
February	479.86	\$ 22.75	\$ 10,917	523.55	\$ 39.09	\$ 20,466	467.63	\$ 23.83	\$ 11,144	\$ 42,526
March	570.83	\$ 23.00	\$ 13,129	661.02	\$ 39.49	\$ 26,104	548.72	\$ 24.09	\$ 13,219	\$ 52,451
April			\$ -			\$ -			\$ -	\$ -
May			\$ -			\$ -			\$ -	\$ -
June			\$ -			\$ -			\$ -	\$ -
YTD	5,071.68	\$ 22.54	114,297	6,125.49	\$ 38.76	237,446	4,863.70	\$ 23.52	114,391	\$ 466,135

Variance FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total Expense
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	
July	(106.13)	(0.50)	(2,721)	61.74	0.81	2,949	(120.30)	(0.48)	(3,124)	(2,896)
August	(109.27)	(0.46)	(2,748)	34.95	0.89	1,947	(89.52)	(0.44)	(2,366)	(3,168)
September	(96.40)	(0.79)	(2,625)	85.68	0.92	3,887	(40.33)	(0.42)	(1,192)	69
October	(187.71)	(0.43)	(4,491)	(34.54)	0.93	(679)	(83.20)	(1.47)	(2,795)	(7,965)
November	(74.38)	(0.16)	(1,785)	55.00	1.38	3,032	7.88	(0.12)	116	1,363
December	(22.41)	(0.04)	(538)	20.25	1.57	1,923	(90.72)	(0.01)	(2,167)	(782)
January	(118.71)	(0.04)	(2,726)	(77.36)	1.57	(1,953)	(117.26)	-	(2,793)	(7,473)
February	(56.14)	(0.03)	(1,293)	(19.15)	1.60	120	(28.17)	0.01	(666)	(1,840)
March	(29.17)	0.22	(539)	53.52	2.00	3,329	(6.28)	0.27	(1)	2,788
April										
May										
June										
YTD	(800.32)	(0.24)	(19,467)	180.09	1.27	14,553	(567.90)	(0.30)	(14,990)	(19,903)

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

[Narrative](#)

Period Ending:

March 31, 2022

Budget FY 2022	Hartford to Berlin			Base Operating Charge					Management Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	2,888.05	\$ 30.00	\$ 86,642	4,895.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 417,440	\$ 50,000	\$ 554,081
August	2,725.80	\$ 30.00	\$ 81,774	4,620.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 393,988	\$ 50,000	\$ 525,762
September	2,596.00	\$ 30.00	\$ 77,880	4,400.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 375,227	\$ 50,000	\$ 503,107
October	2,790.70	\$ 30.00	\$ 83,721	4,730.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 403,369	\$ 50,000	\$ 537,090
November	2,596.00	\$ 30.00	\$ 77,880	4,400.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 375,227	\$ 50,000	\$ 503,107
December	2,888.05	\$ 30.00	\$ 86,642	4,895.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 417,440	\$ 50,000	\$ 554,081
January	2,725.80	\$ 30.00	\$ 81,774	4,620.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 393,988	\$ 50,000	\$ 525,762
February	2,174.15	\$ 30.00	\$ 65,225	3,685.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 314,252	\$ 50,000	\$ 429,477
March	2,433.75	\$ 30.00	\$ 73,013	4,125.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 351,775	\$ 50,000	\$ 474,787
April	2,790.70	\$ 30.00	\$ 83,721	4,730.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 403,369	\$ 50,000	\$ 537,090
May	2,920.50	\$ 30.00	\$ 87,615	4,950.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 422,130	\$ 50,000	\$ 559,745
June	2,920.50	\$ 30.00	\$ 87,615	4,950.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 422,130	\$ 50,000	\$ 559,745
YTD	23,818	30.00	714,549	40,370	\$ 85.00	\$ 0.28	\$ 85.28	3,442,704	450,000	\$ 4,607,253

Actual FY 2022	Hartford to Berlin			Base Operating Charge					Management Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	4,080.59	\$ 30.00	\$ 122,418	4,116.4	\$ 85.00	\$ (63.16)	\$ 21.84	\$ 89,901	\$ 50,000	\$ 262,319
August	2,237.66	\$ 30.00	\$ 67,130	4,043.8	\$ 85.00	\$ (79.50)	\$ 5.50	\$ 22,241	\$ 50,000	\$ 139,371
September	2,147.28	\$ 30.00	\$ 64,418	4,020.7	\$ 85.00	\$ (84.01)	\$ 0.99	\$ 3,980	\$ 50,000	\$ 118,399
October	2,280.23	\$ 30.00	\$ 68,407	4,013.2	\$ 85.00	\$ (82.64)	\$ 2.36	\$ 9,471	\$ 50,000	\$ 127,878
November	2,357.92	\$ 30.00	\$ 70,738	4,252.14	\$ 85.00	\$ (70.49)	\$ 14.51	\$ 61,699	\$ 50,000	\$ 182,436
December	2,299.76	\$ 30.00	\$ 68,993	4,501.83	\$ 85.00	\$ (53.09)	\$ 31.91	\$ 143,653	\$ 50,000	\$ 262,646
January	2,286.11	\$ 30.00	\$ 68,583	3,940.93	\$ 85.00	\$ (48.97)	\$ 36.03	\$ 141,992	\$ 50,000	\$ 260,575
February	1,878.37	\$ 30.00	\$ 56,351	3,282.30	\$ 85.00	\$ (51.40)	\$ 33.60	\$ 110,285	\$ 50,000	\$ 216,636
March	2,313.80	\$ 30.00	\$ 69,414	4,089.59	\$ 85.00	\$ (58.73)	\$ 26.27	\$ 107,434	\$ 50,000	\$ 226,848
April			\$ -				\$ -	\$ -		\$ -
May			\$ -				\$ -	\$ -		\$ -
June			\$ -				\$ -	\$ -		\$ -
YTD	21,882	\$ 30.00	656,452	36,261	\$ 85.00	\$ 65.95	\$ 19.05	690,656	450,000	\$ 1,797,108

Variance FY 2022	Hartford to Berlin			Base Operating Charge					Management Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	1,192.54	-	35,776	(778.6)	-	(63.44)	(63.44)	(327,538)	-	(291,762)
August	(488.14)	-	(14,644)	(576.2)	-	(79.78)	(79.78)	(371,747)	-	(386,391)
September	(448.72)	-	(13,462)	(379.3)	-	(84.29)	(84.29)	(371,246)	-	(384,708)
October	(510.47)	-	(15,314)	(716.8)	-	(82.92)	(82.92)	(393,897)	-	(409,211)
November	(238.08)	-	(7,142)	(147.9)	-	(70.77)	(70.77)	(313,528)	-	(320,670)
December	(588.29)	-	(17,649)	(393.17)	-	(53.37)	(53.37)	(273,786)	-	(291,435)
January	(439.69)	-	(13,191)	(679.07)	-	(49.25)	(49.25)	(251,996)	-	(265,187)
February	(295.78)	-	(8,873)	(402.70)	-	(51.68)	(51.68)	(203,967)	-	(212,840)
March	(119.95)	-	(3,599)	(35.41)	-	(59.01)	(59.01)	(244,341)	-	(247,940)
April										
May										
June										
YTD	(1,937)	-	(58,097)	(4,109)	-	65.67	(66.23)	(2,752,048)	-	(2,810,146)

Period Ending: **March 31, 2022**

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	262.50	\$ 38.57	\$ -	\$ 38.57	10,125	375.00	\$ 110.00	\$ -	\$ 110.00	41,250	\$ 51,375

Actual FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	90.16	\$ 110.00	\$ 28.00	\$ 138.00	\$ 12,442	11.03	\$ 165.00	\$ 65.84	\$ 230.84	\$ 2,546	\$ 14,988
August	94.67	\$ 110.00	\$ 10.50	\$ 120.50	\$ 11,408	47.15	\$ 165.00	\$ 54.17	\$ 219.17	\$ 10,334	\$ 21,742
September	97.14	\$ 110.00	\$ (7.00)	\$ 103.00	\$ 10,005	13.61	\$ 165.00	\$ 41.67	\$ 206.67	\$ 2,813	\$ 12,818
October	93.27	\$ 110.00	\$ (7.00)	\$ 103.00	\$ 9,607	15.07	\$ 165.00	\$ 42.00	\$ 207.00	\$ 3,119	\$ 12,726
November	109.73	\$ 110.00	\$ 31.50	\$ 141.50	\$ 15,527	9.16	\$ 165.00	\$ 67.50	\$ 232.50	\$ 2,130	\$ 17,656
December	79.91	\$ 110.00	\$ 38.50	\$ 148.50	\$ 11,867	26.86	\$ 165.00	\$ 67.50	\$ 232.50	\$ 6,244	\$ 18,111
January	103.53	\$ 110.00	\$ 7.00	\$ 117.00	\$ 12,113	-	\$ 165.00	\$ -	\$ 165.00	\$ -	\$ 12,113
February	43.43	\$ 110.00	\$ 7.00	\$ 117.00	\$ 5,081	10.05	\$ 165.00	\$ 38.34	\$ 203.34	\$ 2,044	\$ 7,125
March	72.83	\$ 110.00	\$ 94.50	\$ 204.50	\$ 14,894	19.79	\$ 165.00	\$ 71.67	\$ 236.67	\$ 4,684	\$ 19,577
April				\$ -	\$ -				\$ -	\$ -	\$ -
May				\$ -	\$ -				\$ -	\$ -	\$ -
June				\$ -	\$ -				\$ -	\$ -	\$ -
YTD	784.67	\$ 110.00	\$ 21.19	\$ 131.19	102,944	152.72	\$ 165.00	\$ 57.07	\$ 222.07	33,913.56	\$ 136,857

Variance FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	60.99	71.43	28.00	99.43	11,317.08	(30.64)	55.00	65.84	120.84	(2,037.17)	9,279.91
August	65.50	71.43	10.50	81.93	10,282.74	5.48	55.00	54.17	109.17	5,750.53	16,033.27
September	67.97	71.43	(7.00)	64.43	8,880.42	(28.06)	55.00	41.67	96.67	(1,770.55)	7,109.87
October	64.10	71.43	(7.00)	64.43	8,481.81	(26.60)	55.00	42.00	97.00	(1,463.84)	7,017.97
November	80.56	71.43	31.50	102.93	14,401.80	(32.51)	55.00	67.50	122.50	(2,453.63)	11,948.16
December	50.74	71.43	38.50	109.93	10,741.64	(14.81)	55.00	67.50	122.50	1,660.96	12,402.59
January	74.36	71.43	7.00	78.43	10,988.01	(41.67)	55.00	-	55.00	(4,583.33)	6,404.68
February	14.26	71.43	7.00	78.43	3,956.31	(31.62)	55.00	38.34	93.34	(2,539.77)	1,416.54
March	43.66	71.43	94.50	165.93	13,768.74	(21.88)	55.00	71.67	126.67	100.37	13,869.10
April											
May											
June											
YTD	522.17	71.43	21.19	92.62	92,818.53	(222.28)	55.00	57.07	112.07	(7,336.44)	85,482.09

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

[Narrative](#)

Property Division Monthly Financial Report

Period Ending: **March 31, 2022**

REVENUES	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
Jets Electric:								
Capacity Payments	\$ 687,671	\$ 720,164	\$ 32,493	4.7%	\$ 6,189,039	\$ 6,653,725	\$ 464,686	7.5%
VARs Payments	\$ 3,184	\$ 3,159	\$ (25)	-0.8%	\$ 28,656	\$ 27,505	\$ (1,151)	-4.0%
Reserve Credits	\$ 37,500	\$ 134,408	\$ 96,908	258.4%	\$ 337,500	\$ 561,672	\$ 224,172	66.4%
Real Time Energy	\$ 50,000	\$ 66,419	\$ 16,419	32.8%	\$ 450,000	\$ 516,485	\$ 66,485	14.8%
Total Jets Electric	\$ 778,355	\$ 924,150	\$ 145,795	18.7%	\$ 7,005,195	\$ 7,759,387	\$ 754,192	10.8%
Lease Income:								
CSWS Murphy Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Golf Center	\$ 1,664	\$ 1,664	\$ 0	0.0%	\$ 14,974	\$ 14,976	\$ 2	0.0%
Wheelabrator Lease	\$ 38,079	\$ 38,079	\$ -	0.0%	\$ 342,711	\$ 342,711	\$ -	0.0%
Jets Billboard	\$ -	\$ -	\$ -	n/a	\$ 45,350	\$ 25,116	\$ (20,234)	-44.6%
Total Lease Income	\$ 39,743	\$ 39,743	\$ 0	0.0%	\$ 403,035	\$ 382,803	\$ (20,232)	-5.0%
South Central Facility Capacity	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Interest / Misc. Income	\$ 62,500	\$ 7,570	\$ (54,930)	-87.9%	\$ 187,500	\$ 14,202	\$ (173,298)	-92.4%
TOTAL ACCRUED REVENUES	\$ 880,598	\$ 971,463	\$ 90,865	10.3%	\$ 7,595,730	\$ 8,156,392	\$ 560,662	7.4%
EXPENDITURES								
MIRA Non-Personnel Services	\$ 16,771	\$ -	\$ 16,771	n/a	\$ 163,547	\$ 12,442	\$ 151,105	92.4%
MIRA Allocated Costs	\$ 64,295	\$ 52,135	\$ 12,160	18.9%	\$ 607,159	\$ 538,562	\$ 68,597	11.3%
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	\$ 1,320	\$ 949	41.8%	\$ 20,421	\$ 10,810	\$ 9,611	47.1%
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
South Central Facility Operating C	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets Operating Charges	\$ 140,877	\$ 84,640	\$ 56,237	39.9%	\$ 1,301,893	\$ 1,028,710	\$ 273,183	21.0%
TOTAL ACCRUED EXPENDITURES	\$ 224,212	\$ 138,095	\$ 86,117	38.4%	\$ 2,103,520	\$ 1,600,574	\$ 502,946	23.9%
OPERATING INCOME								
(Before Reserves / Transfers)	\$ 656,386	\$ 833,368	\$ 176,982	27.0%	\$ 5,492,210	\$ 6,555,818	\$ 1,063,608	19.4%
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	\$ 833,368	\$ 176,982	27.0%	\$ 5,492,210	\$ 6,555,818	\$ 1,063,608	19.4%

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

[Narrative](#)

Property Division and CSWS Flow of Funds

Period Ending: **March 31, 2022**
 Transfer Date: **April 1, 2022**
 Funding: **May**

Property Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 1,000.00		\$ 954,463.74		\$ 954,463.74	\$ 1,000.00
Property Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
PD Operating Fund	\$ 2,041,120.52	\$ 658.85	\$ 146,897.59		\$ 223,553.15	\$ 2,118,434.93
PD General Fund	\$ 11,071,002.47	\$ 2,422.57				\$ 11,073,425.04
PD Improvement Fund	\$ 260,179.85					\$ 260,179.85
PD Jets Major Maintenance	\$ 796,000.00					\$ 796,000.00
MIRA Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Major Maintenance	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ 730,910.59	Combined Below
Total	\$ 14,168,302.84	\$ 3,081.42	\$ 146,897.59	\$ -	\$ 954,463.74	\$ 14,248,039.82
CSWS Division Receipts	Beginning Balance	Interest [+]	Receipts [+]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 40,000.00		\$ 4,996,085.17		\$ 4,996,085.17	\$ 40,000.00
CSWS Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
CSWS Operating STIF	\$ 14,736,426.36	\$ 2,928.52	\$ 3,918,873.22		\$ 5,260,785.48	\$ 16,081,267.14
CSWS Debt Service Fund	\$ 3,875.01					\$ 3,875.01
CSWS General Fund	\$ 1,101.41	\$ 0.20				\$ 1,101.61
CSWS Risk Fund	\$ 897,752.17	\$ 196.45				\$ 897,948.62
CSWS Legal Reserve	\$ 556,714.70	\$ 121.42	\$ 2,684.50			\$ 554,151.62
MIRA Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Major Maintenance	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ (264,700.31)	Combined Below
Total	\$ 16,195,869.65	\$ 3,246.59	\$ 3,921,557.72	\$ -	\$ 4,996,085.17	\$ 17,538,344.00
Combined	Beginning Balance	Interest [+]	Receipts [+]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
Severance Fund	\$ 2,542,984.02	\$ 556.47			\$ -	\$ 2,543,540.49
CSWS Improvement Fund	\$ 319,447.51				\$ -	\$ 319,447.51
CSWS Major Maintenance	\$ 3,126,532.82	\$ 684.16			\$ -	\$ 3,127,216.98
CSWS Tip Fee Stabilization	\$ 6,243,998.00	\$ 1,384.87			\$ 466,210.28	\$ 6,711,593.15
Other Division Balances	Beginning Balance	Interest [+]	Receipts [+]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
General Fund Checking	\$ 1,166,919.40		\$ 186,361.70	\$ 194,304.00		\$ 1,158,977.10
Hartford Solar Reserve	\$ 335,178.80	\$ 73.34				\$ 335,252.14
Pollution Insurance Reserve	\$ -					\$ -
Landfill Operating Account	\$ 2,156,159.15			\$ 7,040.07		\$ 2,149,119.08

Mark T. Daley, Chief Financial Officer

- Ending balances include the fund transfers represented on this flow of funds as a distribution. Excludes receipt of customer security deposits /guarantees of payment and Mid-Connecticut reserves not subject to disbursement or funding in accordance with adopted flow of funds.
- At the beginning of January 2022, the CSWS received a total of \$5,640,000.00 in prepaid tip fees from waste haulers. This revenue flowed to the CSWS Operating STIF account and was used to reimburse the Tip Fee Stabilization Fund. As of March 31, 2022, a total of \$2,178,686.41 remained available on customer accounts.
- After the distribution of February cash receipts, a total of \$61,161,807.61 remained due to the Tip Fee Stabilization Fund from the CSWS.
- A total of \$7,119,617.90 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: 03/31/22

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

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

[Narrative](#)

Period Ending: 03/31/22

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
WASTE PROCESSING FACILITY						
Trommels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Conveyors	\$ -	\$ -	\$ -	\$ 50,000	\$ 49,319	\$ 681
MSW / RDF Tip Floor Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ 65,000	\$ -	\$ 65,000
Loaders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Rolling Stock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ 14,300	\$ (14,300)
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scale Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	\$ 115,000	\$ 63,619	\$ 51,381
POWER BLOCK FACILITY						
Boiler 11	\$ -	\$ -	\$ -	\$ 2,045,000	\$ 1,334,676	\$ 710,324
Boiler 12	\$ -	\$ -	\$ -	\$ 2,070,000	\$ 1,291,152	\$ 778,848
Boiler 13	\$ -	\$ 513,271	\$ (513,271)	\$ -	\$ 503,194	\$ (503,194)
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ -	\$ -	\$ -	\$ 675,000	\$ 442,214	\$ 232,786
Auxiliary Systems	\$ -	\$ -	\$ -	\$ 225,000	\$ (284,471)	\$ 509,471
Building Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ 39,750	\$ 10,250
Roof Repairs	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ 75,000
Site Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000
Switch Yard / Switchgear	\$ -	\$ 100,000	\$ (100,000)	\$ -	\$ 100,000	\$ (100,000)
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ -	\$ -	\$ -	\$ 56,988	\$ (56,988)
M Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ -	\$ 613,271	\$ (613,271)	\$ 5,190,000	\$ 3,483,503	\$ 1,706,497
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watertown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CSWS MAJOR MAINTENANCE FUND	\$ -	\$ 613,271	\$ (613,271)	\$ 5,305,000	\$ 3,547,121	\$ 1,757,879

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

Segmented Income Statement

Period Ending: March 31, 2022

DRAFT

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

	General Fund	Connecticut Solid Waste System	Mid-Connecticut Project	Southeast Project	Property Division	Landfill Division	Eliminations	Total
Operating Revenues								
Service charges:								
Members	-	\$ 29,199	-	-	-	-	-	\$ 29,199
Others	-	6,759	-	-	-	-	-	6,759
Energy sales	-	15,724	-	-	7,759	103	-	23,586
Other operating revenues	-	389	-	-	383	9	-	781
Total Operating Revenues	-	52,071	-	-	8,142	112	-	60,325
Operating Expenses								
Solid waste operations	-	38,912	-	-	930	99	11	39,952
Maintenance and utilities	-	4,282	-	-	279	-	-	4,561
Legal services - external	-	171	-	-	-	-	-	171
Administrative and Operational services	-	2,427	-	-	525	45	-	2,997
Total Operating Expenses	-	45,792	-	-	1,734	144	11	47,681
Operating Income (Loss) before Depreciation and Amortization	-	6,279	-	-	6,408	(32)	(11)	12,644
Depreciation and amortization	12	-	-	-	1,316	103	0	1,431
Operating Income (Loss)	(12)	6,279	-	-	5,092	(135)	(11)	11,213
Non-Operating Revenue (Expenses)								
Investment income	-	12	41	-	14	-	-	67
Settlement income (expenses)	-	-	-	-	-	-	-	-
Other income (expenses)	\$	-	2	-	(41)	-	-	(34)
Distribution to SCRRRA	-	-	-	-	-	-	-	-
Non-Operating Revenue (Expenses), net	\$	12	43	-	(27)	-	-	33
Income (Loss) before Transfers	(7)	6,291	43	-	5,065	(135)	(11)	11,246
Transfers in (out)	-	(100)	-	-	100	11	-	11
Change in Net Position	(7)	6,191	43	-	5,165	(135)	-	11,257
Total Net Position, beginning of period	3,426	(10,967)	0	-	57,700	20,621	-	70,780
Total Net Position, end of period	\$ 3,419	\$ (4,776)	\$ 43	\$ -	\$ 62,865	\$ 20,486	\$ -	\$ 82,037
RECONCILIATION TO VARIANCE REPORT:								
Add: Expenses paid from reserves	-	3,635	0	-	200	-	-	3,835
Add: Amortization	12	-	-	-	1,316	103	-	1,431
Less: GAAP Exp (Deferred for Budget)	-	-	-	-	-	-	-	-
add: Spare parts and fixed inventory adjustment	-	(48)	-	-	(67)	-	-	(115)
add: Capitalized expenses net of asset disposals	-	-	-	-	-	-	-	-
add: Settlement income	-	-	-	-	-	-	-	-
Other	-	-	-	-	41	-	-	-
Operating Income (Loss) per Variance report	n/a	9,878	n/a	n/a	6,555	n/a	n/a	16,433

ties with CSWS financials tab

ties with PD financials tab

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

Note: Eliminations and depreciation are preliminary amounts.

Other: Sept'20 - REC's were billed and in the GI for Sept'20 s/b/b billed in October'20.

THE AUTHORITY - FINANCIAL RESULTS

For the Period Ending March 31, 2022

DETAILS	MONTH TO DATE				YEAR TO DATE			
	Budget	Actual	Variance		Budget	Actual	Variance	
Authority Budget								
Personnel Services (a)	\$ 195,983	\$ 158,934	\$ 37,049	18.90%	\$ 1,860,568	\$ 1,528,493	\$ 332,075	17.85%
Non-Personnel Services (b)	\$ 54,281	\$ 36,386	\$ 17,895	32.97%	\$ 500,641	\$ 529,703	\$ (29,062)	-5.80%
Total Authority Budget	\$ 250,264	\$ 195,320	\$ 54,944	21.95%	\$ 2,361,209	\$ 2,058,195	\$ 303,014	12.83%
LESS: STIF Interest Income	\$ -	\$ 1,015	\$ (1,015)	100.00%	\$ -	\$ 2,237	\$ (2,237)	100.00%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 194,304	\$ 55,960	22.36%	\$ 2,361,209	\$ 2,055,958	\$ 305,251	12.93%
Authority Budget Allocation								
Landfill Division	\$ 6,033	\$ 4,685	\$ 1,348	22.35%	\$ 56,921	\$ 49,569	\$ 7,352	12.92%
Property Division	\$ 55,001	\$ 42,702	\$ 12,299	22.36%	\$ 518,929	\$ 451,838	\$ 67,091	12.93%
CSWS Division	\$ 189,230	\$ 146,917	\$ 42,313	22.36%	\$ 1,785,359	\$ 1,554,551	\$ 230,808	12.93%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 194,304	\$ 55,960	22.36%	\$ 2,361,209	\$ 2,055,958	\$ 305,251	12.93%
MIRA Direct Personnel								
Landfill Division	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Property Division	\$ 9,293	\$ 9,433	\$ (140)	-1.50%	\$ 88,225	\$ 86,725	\$ 1,500	1.70%
CSWS Division	\$ 113,235	\$ 109,838	\$ 3,397	3.00%	\$ 1,074,996	\$ 1,043,224	\$ 31,772	2.96%
TOTAL MIRA DIRECT	\$ 122,528	\$ 119,270	\$ 3,258	2.66%	\$ 1,163,221	\$ 1,129,949	\$ 33,272	2.86%
Total Allocation								
Landfill Division	\$ 6,033	\$ 4,685	\$ 1,348	22.35%	\$ 56,921	\$ 49,569	\$ 7,352	12.92%
Property Division	\$ 64,294	\$ 52,135	\$ 12,159	18.91%	\$ 607,154	\$ 538,563	\$ 68,591	11.30%
CSWS Division	\$ 302,465	\$ 256,755	\$ 45,710	15.11%	\$ 2,860,355	\$ 2,597,775	\$ 262,580	9.18%
TOTAL AUTHORITY & MIRA DIRECT	\$ 372,792	\$ 313,575	\$ 59,217	15.88%	\$ 3,524,430	\$ 3,185,907	\$ 338,523	9.61%

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.

ATTACHMENT 3 A

FY 2023 Budget Spreads

Materials Innovation and Recycling Authority
 FY 2023 Board of Directors Financial Report
 Period Ending:

June 30, 2023

CSWS Monthly Spread

Budget

	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23
REVENUES								
Service Charges Solid Waste-Participating Towns	\$ 691,125	\$ 691,125	\$ 691,125	\$ 691,125	\$ 691,125	\$ 691,125	\$ 691,125	\$ 691,125
Service Charges Solid Waste- Other Contract	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Service Charges Solid Waste-Hauler Direct	\$ 697,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Service Charges Solid Waste-Hauler TS	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Service Charges Solid Waste - Spot	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bypass Delivery & Other Charges								
Member Service Fee								
Metals Sales & Excess Ferrous Residue	\$ 5,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Municipal Bulky Waste & Mattresses/Box Spring	\$ 20,500							
Recycling Facility								
Electricity-Kwh Sold	\$ 722,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electricity-Capacity Payment & Energy Credits	\$ 754,430	\$ 4,430	\$ 4,430	\$ 754,430	\$ 4,430	\$ 4,430	\$ 581,930	\$ 4,430
Misc. (Interest, Fees, Other)	\$ 4,200	\$ 4,200	\$ 4,200	\$ 4,200	\$ 4,200	\$ 4,200	\$ 4,200	\$ 4,200
TOTAL ACCRUED REVENUES	\$ 3,495,723	\$ 699,755	\$ 699,755	\$ 1,449,755	\$ 699,755	\$ 699,755	\$ 1,277,255	\$ 699,755
EXPENDITURES								
Administrative Expenses	\$ 138,411	\$ 138,411	\$ 189,094	\$ 138,411	\$ 138,411	\$ 138,411	\$ 336,382	\$ 138,411
Operational & Contingent Exp.	\$ 485,899	\$ 130,349	\$ 184,281	\$ 130,349	\$ 130,349	\$ 130,349	\$ 130,350	\$ 130,350
Assessment, Fees, Subsidies, and PILOT's	\$ 175,481	\$ 129,057	\$ 128,725	\$ 128,708	\$ 128,481	\$ 128,647	\$ 128,299	\$ 127,803
Waste Transport	\$ 1,147,640	\$ 653,918	\$ 617,589	\$ 617,589	\$ 588,526	\$ 617,589	\$ 559,463	\$ 479,540
Recycling Facility	\$ 145,023	\$ 145,023	\$ 145,023	\$ 145,023	\$ 145,023	\$ 145,023	\$ 145,023	\$ 145,023
Murphy Road Operations								
MIRA Facilities Operating Exp.	\$ 108,333	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NAES Contract Operating Charges	\$ 2,403,098	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NAES Contract Major Maint.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NAES On-Site Incentive Comp.	\$ 135,323	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NAES Management Fees	\$ 108,333	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Transfer Station - Ellington	\$ 1,349	\$ 1,349	\$ 1,349	\$ 1,349	\$ 1,349	\$ 1,349	\$ 1,349	\$ 1,349
Transfer Station - Essex	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000
Transfer Station - Torrington	\$ 55,717	\$ 55,717	\$ 55,717	\$ 55,717	\$ 55,717	\$ 55,717	\$ 55,717	\$ 55,717
Transfer Station - HFD Transition	\$ 200,000	\$ 200,000	\$ 200,000	\$ 109,200	\$ -	\$ -	\$ -	\$ -
Total Operating Expense Budget	\$ 5,169,607	\$ 1,518,824	\$ 1,586,778	\$ 1,391,346	\$ 1,252,856	\$ 1,282,085	\$ 1,421,583	\$ 1,143,193
OPERATING INCOME (Before Fund Transfers/ Reserve Contributions)	\$ (1,673,883)	\$ (819,069)	\$ (887,023)	\$ 58,409	\$ (553,101)	\$ (582,330)	\$ (144,328)	\$ (443,438)
DISTRIBUTION OF CSWS OPERATING INCOME								
CSWS Improvement Fund								
CSWS Major Maint. Fund (TRANSITION CONT.)	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 565,000	\$ -	\$ -	\$ -	\$ -
Contribution to CSWS Risk Fund Reserve								
Contribution to Legal Reserve								
Contribution to Severance Reserve								
TOTAL DISTRIBUTION OF CSWS INCOME	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 565,000	\$ -	\$ -	\$ -	\$ -
BALANCE (To/From General Fund & Tip Fee Stabilization)	\$ (2,673,883)	\$ (1,819,069)	\$ (1,887,023)	\$ (506,591)	\$ (553,101)	\$ (582,330)	\$ (144,328)	\$ (443,438)

Materials Innovation and Recycling Authority
 FY 2023 Board of Directors Financial Report
 Period Ending:

CSWS Monthly Spread

	Mar 23	Apr 23	May 23	Jun 23	YTD
REVENUES					
Service Charges Solid Waste-Participating Towns	\$ 691,125	\$ 691,125	\$ 691,125	\$ 691,125	\$ 8,293,500
Service Charges Solid Waste- Other Contract	\$ -	\$ -	\$ -	\$ -	\$ 600,000
Service Charges Solid Waste-Hauler Direct	\$ -	\$ -	\$ -	\$ -	\$ 697,500
Service Charges Solid Waste-Hauler T5	\$ -	\$ -	\$ -	\$ -	\$ -
Service Charges Solid Waste - Spot	\$ -	\$ -	\$ -	\$ -	\$ -
Bypass, Delivery & Other Charges	\$ -	\$ -	\$ -	\$ -	\$ -
Member Service Fee	\$ -	\$ -	\$ -	\$ -	\$ -
Metals Sales & Excess Ferrous Residue	\$ -	\$ -	\$ -	\$ -	\$ 5,708
Municipal Bulky Waste & Mattresses/Box Spring	\$ -	\$ -	\$ -	\$ -	\$ 20,500
Recycling Facility	\$ -	\$ -	\$ -	\$ -	\$ -
Electricity-Kwh Sold	\$ -	\$ -	\$ -	\$ -	\$ 722,260
Electricity-Capacity Payment & Energy Credits	\$ 4,430	\$ 4,430	\$ 4,430	\$ 4,395	\$ 2,130,625
Misc. (Interest, Fees, Other)	\$ 4,200	\$ 4,200	\$ 4,200	\$ 4,200	\$ 50,400
TOTAL ACCRUED REVENUES	\$ 699,755	\$ 699,755	\$ 699,755	\$ 699,720	\$ 12,520,493
EXPENDITURES					
Administrative Expenses	\$ 138,411	\$ 138,411	\$ 138,411	\$ 189,092	\$ 1,960,267
Operational & Contingent Exp.	\$ 130,350	\$ 130,350	\$ 130,350	\$ 184,279	\$ 2,027,605
Assessment, Fees, Subsidies, and PILOTS	\$ 128,420	\$ 128,464	\$ 128,560	\$ 129,056	\$ 1,589,701
Waste Transport	\$ 581,261	\$ 588,526	\$ 603,058	\$ 675,715	\$ 7,730,414
Recycling Facility	\$ 145,023	\$ 145,023	\$ 145,023	\$ 145,023	\$ 1,740,273
Murphy Road Operations	\$ -	\$ -	\$ -	\$ -	\$ -
MIRA Facilities Operating Exp.	\$ -	\$ -	\$ -	\$ -	\$ 108,333
NAES Contract Operating Charges	\$ -	\$ -	\$ -	\$ -	\$ 2,403,098
NAES Contract Major Maint.	\$ -	\$ -	\$ -	\$ -	\$ -
NAES On-Site Incentive Comp.	\$ -	\$ -	\$ -	\$ -	\$ 135,323
NAES Management Fees	\$ -	\$ -	\$ -	\$ -	\$ 108,333
Transfer Station - Ellington	\$ 1,349	\$ 1,349	\$ 1,349	\$ 1,361	\$ 16,200
Transfer Station - Essex	\$ 65,000	\$ 65,000	\$ 65,000	\$ 65,000	\$ 780,000
Transfer Station - Torrington	\$ 55,717	\$ 55,717	\$ 55,717	\$ 55,713	\$ 668,600
Transfer Station - HFD Transition	\$ -	\$ -	\$ -	\$ -	\$ 709,200
Total Operating Expense Budget	\$ 1,245,531	\$ 1,252,840	\$ 1,267,468	\$ 1,445,239	\$ 19,977,347
OPERATING INCOME (Before Fund Transfers / Reserve Contributions)	\$ (545,776)	\$ (553,085)	\$ (567,713)	\$ (745,519)	\$ (7,456,853)
DISTRIBUTION OF CSWS OPERATING INCOME					
CSWS Improvement Fund	\$ -	\$ -	\$ -	\$ -	\$ -
CSWS Major Maint. Fund (TRANSITION CONT.)	\$ -	\$ -	\$ -	\$ -	\$ 3,565,000
Contribution to CSWS Risk Fund Reserve	\$ -	\$ -	\$ -	\$ -	\$ -
Contribution to Legal Reserve	\$ -	\$ -	\$ -	\$ -	\$ -
Contribution to Severance Reserve	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL DISTRIBUTION OF CSWS INCOME	\$ -	\$ -	\$ -	\$ -	\$ 3,565,000
BALANCE (To/From General Fund & Tip Fee Stabilization)	\$ (545,776)	\$ (553,085)	\$ (567,713)	\$ (745,519)	\$ (11,021,853)

June 30, 2023

Property Division Monthly Spread

Budget

	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23
REVENUES								
Jets Electric Revenue								
Capacity Payments	\$ 564,273	\$ 564,273	\$ 564,273	\$ 564,273	\$ 564,273	\$ 564,273	\$ 564,273	\$ 564,273
VARS Payments	\$ 2,200	\$ 2,200	\$ 2,200	\$ 2,200	\$ 2,200	\$ 2,200	\$ 2,200	\$ 2,200
Reserve Credits	\$ 38,005	\$ 38,005	\$ 38,005	\$ 38,005	\$ 38,005	\$ 38,005	\$ 38,005	\$ 38,005
Real Time Energy	\$ 37,784	\$ 37,784	\$ 37,784	\$ 37,784	\$ 37,784	\$ 37,784	\$ 37,784	\$ 37,784
Total Jets Electric	\$ 642,262	\$ 642,262	\$ 642,262	\$ 642,262	\$ 642,262	\$ 642,262	\$ 642,262	\$ 642,262
Lease Income								
CSWS Murphy Road								
Golf Center	\$ 1,664	\$ 1,664	\$ 1,664	\$ 1,664	\$ 1,664	\$ 1,664	\$ 1,664	\$ 1,664
Wheelabrator Lease	\$ 38,079	\$ 38,079	\$ 38,079	\$ 38,079	\$ 38,079	\$ 38,079	\$ 38,079	\$ 38,079
Jets Billboard	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Lease Income	\$ 84,743	\$ 39,743	\$ 39,743	\$ 39,743	\$ 39,743	\$ 39,743	\$ 39,743	\$ 39,743
South Central Facility Capacity								
Education & Trash Museum								
Interest Income	\$ -	\$ -	\$ 2,500	\$ -	\$ -	\$ 2,500	\$ -	\$ -
TOTAL ACCRUED REVENUES	\$ 727,005	\$ 682,005	\$ 684,505	\$ 682,005	\$ 682,005	\$ 684,505	\$ 682,005	\$ 682,005
OPERATING EXPENSES								
MIRA Non-Personnel Services	\$ 29,657	\$ 1,057	\$ 1,057	\$ 1,057	\$ 1,057	\$ 1,057	\$ 1,057	\$ 1,057
MIRA Allocated Costs	\$ 45,838	\$ 45,838	\$ 63,855	\$ 45,838	\$ 45,838	\$ 45,838	\$ 45,838	\$ 45,838
Railroad Maintenance	\$ 11,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
211 Murphy Road Ops. Center	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1410 Honey Spot Road	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
171 Murphy Road	\$ 2,318	\$ 2,318	\$ 2,318	\$ 2,318	\$ 2,318	\$ 2,318	\$ 2,318	\$ 2,318
Education & Trash Museum								
South Central Facility Operating Charges	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Jets Operating Charges	\$ 98,422	\$ 93,422	\$ 93,422	\$ 93,422	\$ 93,422	\$ 93,422	\$ 93,422	\$ 93,422
TOTAL ACCRUED EXPENDITURES	\$ 187,260	\$ 142,635	\$ 160,662	\$ 142,635	\$ 142,635	\$ 142,635	\$ 194,257	\$ 142,635
Cash Flow Adjustment								
Total Operating Expense Budget	\$ 187,260	\$ 142,635	\$ 160,662	\$ 142,635	\$ 142,635	\$ 142,635	\$ 194,257	\$ 142,635
INCOME BEFORE RESERVES	\$ 539,745	\$ 539,370	\$ 523,843	\$ 539,370	\$ 539,370	\$ 541,870	\$ 487,748	\$ 539,370
Distribution of Property Division Income								
General Fund								\$ 439,686
MIRA Severance								
Jets major Maintenance								
PD Improvement Fund								
CASH FLOW BALANCE (To Tip Fee Stabilization)	\$ 539,745	\$ 539,370	\$ 523,843	\$ 539,370	\$ 539,370	\$ 541,870	\$ 487,748	\$ 99,684

Materials Innovation and Recycling Authority
 FY 2023 Board of Directors Financial Report
 Period Ending:

Property Division Monthly Spread

	Mar 23	Apr 23	May 23	Jun 23	YTD
REVENUES					
Jets Electric Revenue					
Capacity Payments	\$ 564,273	\$ 564,273	\$ 564,273		\$ 6,207,003
VARS Payments	\$ 2,200	\$ 2,200	\$ 2,200		\$ 24,200
Reserve Credits	\$ 38,005	\$ 38,005	\$ 38,005		\$ 418,055
Real Time Energy	\$ 37,784	\$ 37,784	\$ 37,784		\$ 415,624
Total Jets Electric	\$ 642,262	\$ 642,262	\$ 642,262		\$ 7,064,882
Lease Income					
CSWS Murphy Road					
Golf Center	\$ 1,664	\$ 1,664	\$ -	\$ -	\$ 16,640
Wheelabrator Lease	\$ 38,079	\$ 38,079	\$ 38,079	\$ 38,079	\$ 456,948
Jets Billboard	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Total Lease Income	\$ 39,743	\$ 39,743	\$ 38,079	\$ 38,079	\$ 518,588
South Central Facility Capacity					
Education & Trash Museum					
Interest Income	\$ 2,500	\$ -	\$ -	\$ 2,500	\$ 10,000
TOTAL ACCRUED REVENUES	\$ 684,505	\$ 682,005	\$ 680,341	\$ 40,579	\$ 7,593,470
OPERATING EXPENSES					
MIRA Non-Personnel Services	\$ 1,057	\$ 1,057	\$ 1,057	\$ 1,073	\$ 41,300
MIRA Allocated Costs	\$ 45,838	\$ 45,838	\$ 45,838	\$ 63,869	\$ 637,736
Railroad Maintenance	\$ -	\$ -	\$ -	\$ -	\$ 11,025
211 Murphy Road Ops. Center	\$ -	\$ -	\$ -	\$ -	\$ -
1410 Honey Spot Road	\$ -	\$ -	\$ -	\$ -	\$ -
171 Murphy Road	\$ 2,318	\$ 2,318	\$ 2,318	\$ 2,317	\$ 27,815
Education & Trash Museum					
South Central Facility Operating Charges	\$ -	\$ -	\$ -	\$ -	\$ -
Jets Operating Charges	\$ 93,422	\$ 93,422	\$ 93,423	\$ 45,168	\$ 1,077,811
TOTAL ACCRUED EXPENDITURES	\$ 142,635	\$ 142,635	\$ 142,636	\$ 112,427	\$ 1,795,687
Cash Flow Adjustment					
Total Operating Expense Budget	\$ 142,635	\$ 142,635	\$ 142,636	\$ 112,427	\$ 1,795,687
INCOME BEFORE RESERVES	\$ 541,870	\$ 539,370	\$ 537,705	\$ (71,848)	\$ 5,797,783
Distribution of Property Division Income					
General Fund	\$ 541,870	\$ 539,370	\$ 537,705	\$ (71,848)	\$ 1,986,783
MIRA Severance					\$ -
Jets major Maintenance					\$ -
PD Improvement Fund					\$ -
CASH FLOW BALANCE (To Tip Fee Stabilization)	\$ -	\$ -	\$ -	\$ -	\$ 3,811,000

ATTACHMENT 3 B

Draft Cash Flow Projection

DRAFT CASH FLOW PROJECTION

BACKGROUND NOTE CONCERNING MIRA AUTHORIZED USE OF SURPLUS REVENUES

Sec. 22a-262. (Formerly Sec. 19-524u). Purposes of authority. (a) The purposes of the authority shall be:

(1) The planning, design, construction, financing, management, ownership, operation and maintenance of solid waste disposal, volume reduction, recycling, intermediate processing and resources recovery facilities and all related solid waste reception, storage, transportation and waste-handling and general support facilities considered by the authority to be necessary, desirable, convenient or appropriate in carrying out the provisions of the state-wide solid waste management plan and in establishing, managing and operating solid waste disposal and resources recovery systems and their component waste-processing facilities and equipment;

(2) The provision of solid waste management services to municipalities, regions and persons within the state by receiving solid wastes at authority facilities, pursuant to contracts between the authority and such municipalities, regions and persons; the recovery of resources and resource values from such solid wastes; and the production from such services and resources recovery operations of revenues sufficient to provide for the support of the authority and its operations on a self-sustaining basis, with due allowance for the redistribution of any surplus revenues to reduce the costs of authority services to the users thereof provided such surplus revenues shall include any net revenue from activities undertaken pursuant to subdivisions (18) and (19) of subsection (a) of section 22a-266 and subdivision (8) of section 22a-267;

Sec. 22a-267. (Formerly Sec. 19-524z). Powers, fiscal. The authority shall have the power to:

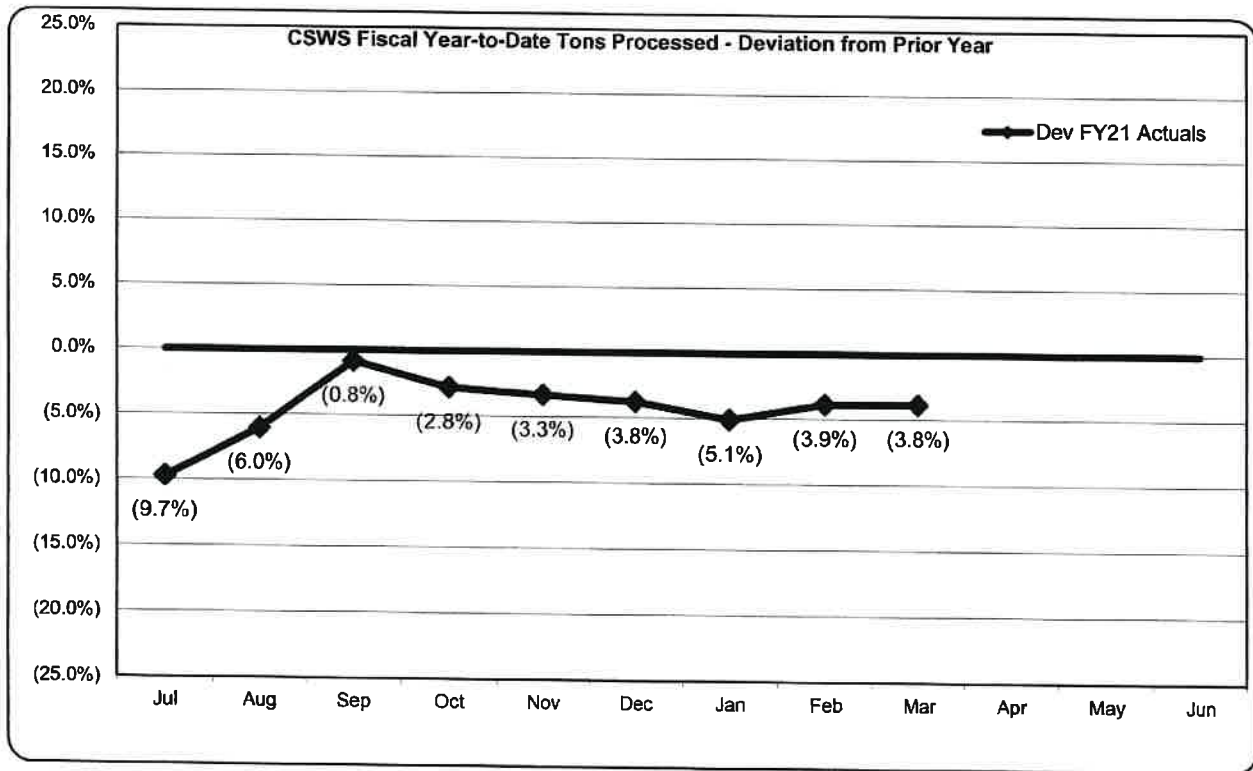
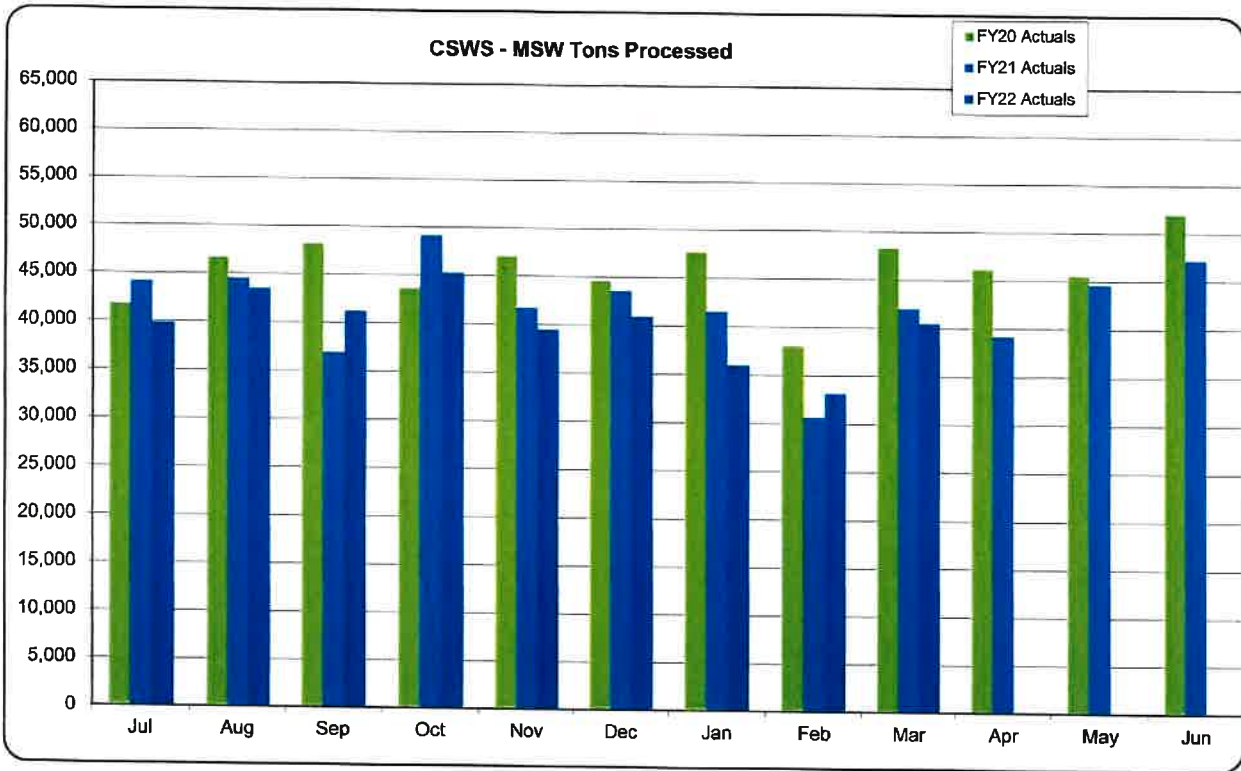
(6) The directors of the authority may by resolution, in accordance with the provisions and stipulations of this chapter and the authority's general and other bond resolutions, authorize both the segregation of such authority revenues as may at any time be adjudged by said directors to be surplus to the needs of the authority to meet its contractual and other obligations and to provide for its operations or other business purposes, and the equitable redistribution of such segregated surplus revenues to some or all of the users of the system in accordance with applicable provisions of the state-wide solid waste management plan;

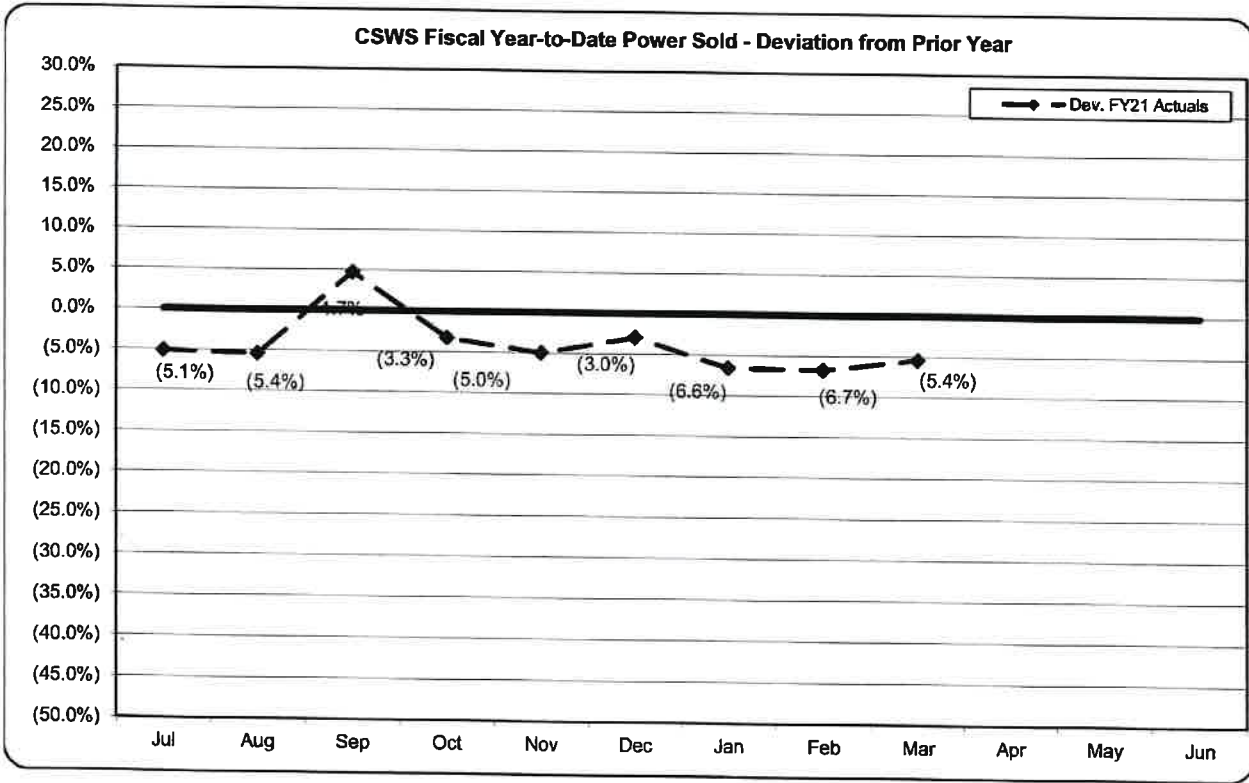
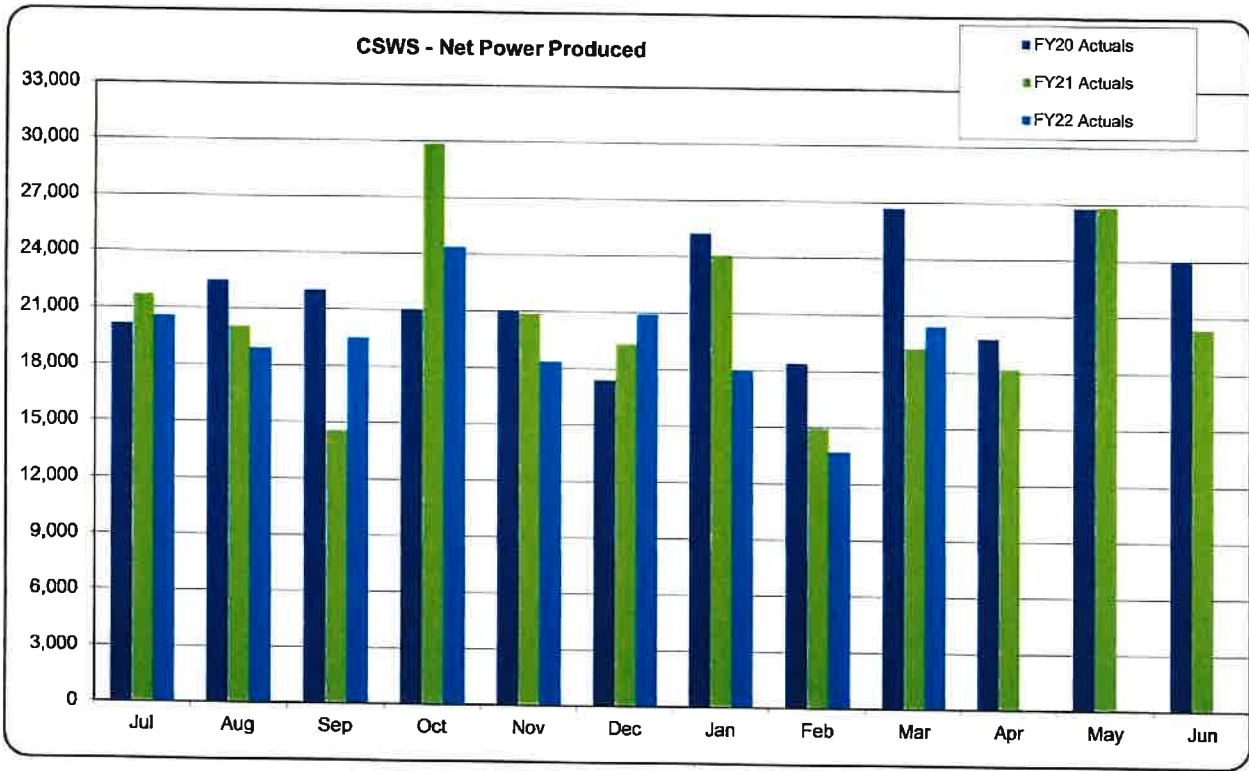
TAB B

MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Operational Summary
March-22

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

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Change	2021	2022	Change	Mar 21	Mar 22	Change
CSWS									
Tons MSW Processed	549,717	505,335	(8.1%)	374,199	359,879	(3.8%)	42,001	40,484	(3.6%)
Steam (klbs)	3,264,837	3,096,441	(5.2%)	2,309,937	2,118,074	(8.3%)	238,300	246,477	3.4%
(% MCR)	53.8%	51.0%		57.9%	53.1%		46.2%	47.8%	
Power (Net MWh)	272,358	250,166	(8.1%)	184,744	174,768	(5.4%)	19,268	20,427	6.0%
South Meadow Jets									
Net MWh	1,616	1,694	4.8%	1,418	1,607	13.3%	0	89	100.0%





CSWS Waste to Energy Plant Monthly Operational Summary

Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Mar 22	24%	71%	49%

Unscheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
07/06/21	07/07/21	11	30.40	Entire Plant Tripped- Bus #2 ID Fan #12 Breaker Failure
07/08/21	07/09/21	11	41.20	Gen. Bank Tube Leaks
07/29/21	07/29/21	11	12.40	Fire On- Site- RDF Conveyor Line
07/30/21	07/31/21	11	48.00	Fire Damage on RDF Feed System/ Furnace Tube Leaks
08/01/21	08/05/21	11	110.20	Fire Damage on RDF Feed System/ Furnace Tube Leaks
08/19/21	08/25/21	11	158.60	Waterwall Leaks
08/26/21	08/31/21	11	144.00	Gen. Bank Tube Leaks
09/01/21	09/06/21	11	137.20	Gen. Bank Tube Leaks
10/07/21	10/11/21	11	94.10	11 B Fly Ash Conveyor Repair
10/18/21	10/23/21	11	122.80	Low RDF Inventory
11/01/21	11/02/21	11	22.10	TG#5 Steam Stop Valves Repacked
11/06/21	11/06/21	11	1.80	High Water Drum Trip
12/06/21	12/07/21	11	38.90	Large Clunker on "A" Side Grate
01/03/22	01/07/22	11	114.80	Gen. Bank Tube Leaks
01/08/22	01/27/22	11	477.10	Low RDF Inventory
02/05/22	02/08/22	11	70.80	External Drum Level Tap Leak
02/12/22	02/15/22	11	53.00	PSH Tube Leak
03/04/22	03/10/22	11	160.90	Offline but Available
03/13/22	03/13/22	11	1.00	Daylight Savings Time- Clocks Roll Forward
03/20/22	03/27/22	11	176.10	Furnace Waterwall Tube Leaks/ Low RDF Inventory
07/01/21	07/04/21	12	84.70	Large Furnace Slag Rock on B Grate
07/07/21	07/30/21	12	565.90	Failed ID Fan Bus # 2 Breaker and Failed ID Fan Drive Motor
08/05/21	08/07/21	12	54.20	Waterwall Furnace Tube Leaks
08/19/21	08/21/21	12	40.50	Furnace Slag Broke Grate
09/02/21	09/05/21	12	58.20	High Baghouse Delta P
10/13/21	10/18/21	12	113.90	Waterwall Furnace Tube Leaks
10/23/21	10/31/21	12	193.10	Tube Leak Repairs/Low RDF Inventory
11/01/21	11/29/21	12	672.20	Tube Leak Repairs/Low RDF Inventory
12/20/21	12/20/21	12	0.40	Problems with RDF Auger Screws
01/03/22	01/08/22	12	115.60	RDF Screw Drive Issues
01/23/22	01/31/22	12	201.00	Low RDF Inventory
02/01/22	02/05/22	12	105.00	Low RDF Inventory
02/08/22	02/12/22	12	107.90	Lower Furnace Waterwall Tube Leaks
03/13/22	03/13/22	12	1.00	Daylight Savings Time- Clocks Roll Forward
07/01/21	07/01/21	13	22.20	Low RDF Inventory
07/06/21	07/07/21	13	17.40	Entire Plant Tripped- Bus #2 ID Fan #12 Breaker Failure
07/29/21	07/31/21	13	10.80	Fire On- Site- RDF Conveyor Line
09/29/21	09/30/21	13	14.00	Failed FD Fan Rotor Bearing
10/11/21	10/13/21	13	42.50	Repairs to 13 C Auger Drive
10/18/21	10/18/21	13	42.50	RDF Auger Problem
10/30/21	10/31/21	13	24.20	RDF Distribution Spout Repairs
11/01/21	11/05/21	13	117.00	RDF Distribution Spout Repairs
11/19/21	11/22/21	13	61.30	Cold Iron Outage to Repair Various Valves
12/02/21	12/04/21	13	39.70	Furnace Waterwall Tube Leaks
03/10/22	03/20/22	13	240.10	Boiler Penthouse Tube Leak

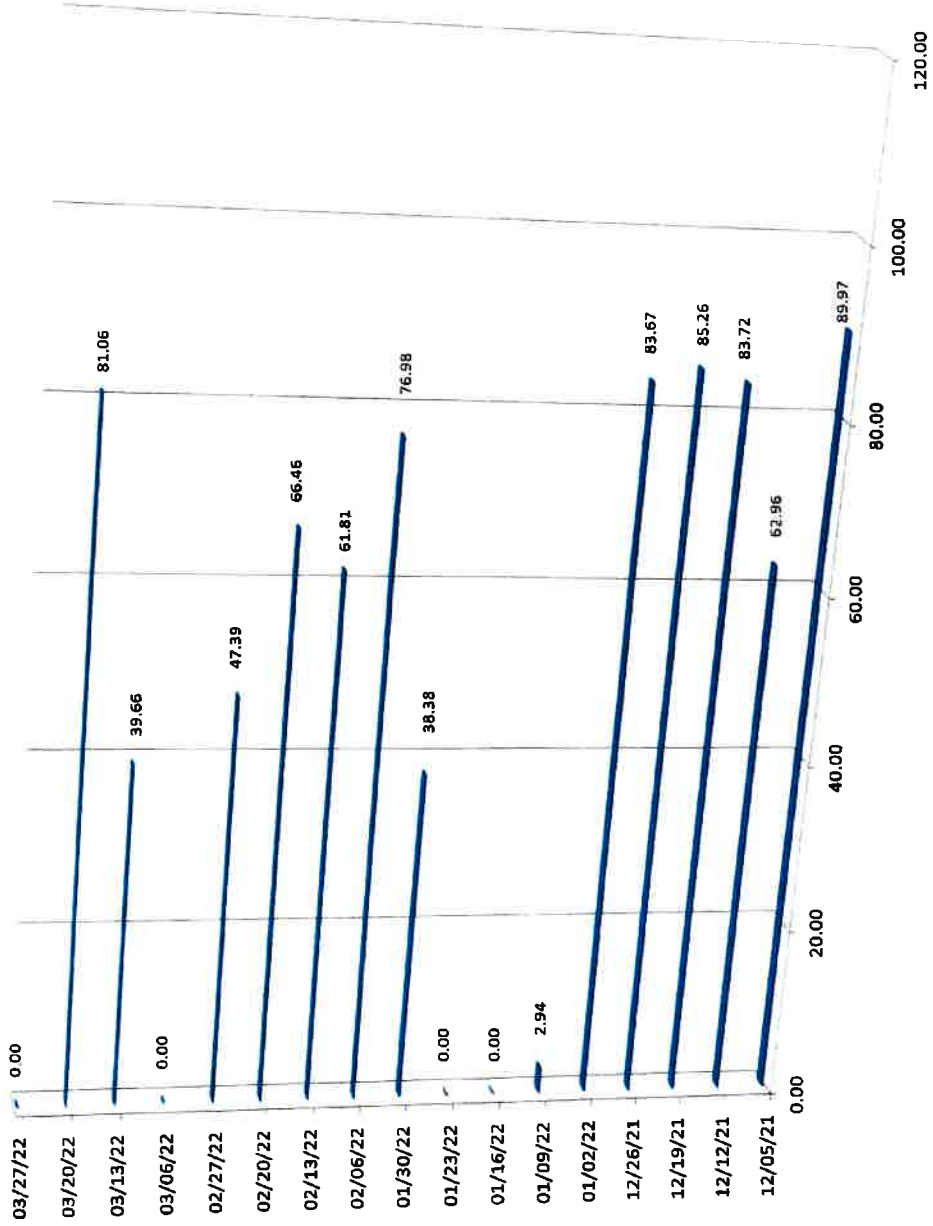
Scheduled Downtime

08/08/21	08/15/21	11	169.00	IRIS Testing on Gen. Bank Tube Leaks
09/07/21	09/28/21	11	514.10	Scheduled Major Outage
11/18/21	11/24/21	11	153.00	Scheduled Cleaning Outage
02/25/22	02/28/22	11	93.00	Scheduled Cleaning Outage
03/01/22	03/03/22	11	72.00	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
03/28/22	03/31/22	12	96.00	Offline Early Due to Tube Leaks/Moved up Cleaning
08/15/21	08/20/21	13	122.20	Scheduled Cleaning Outage
10/03/21	10/07/21	13	39.70	Scheduled Cleaning Outage
12/18/21	12/31/21	13	336.00	Scheduled Cleaning Outage/ Low RDF Inventory
01/01/22	01/03/22	13	72.00	Low RDF Inventory
01/30/22	01/31/22	13	25.00	Scheduled Cleaning Outage
02/01/22	02/25/22	13	580.20	Scheduled Annual Outage

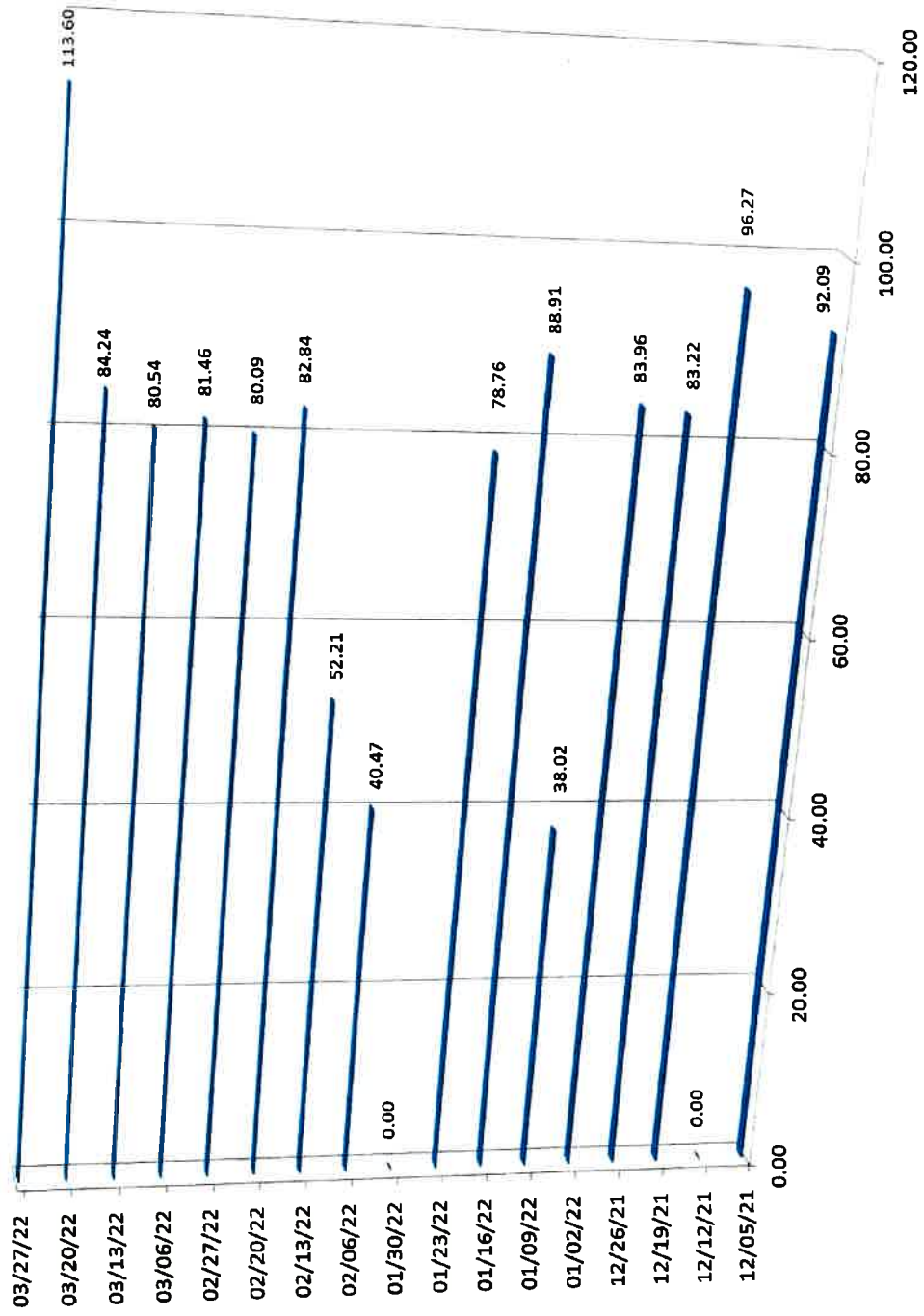
SOUTH MEADOWS JETS Monthly Operational Summary

Date	Net Generation (MWH)	Comment
07/07/21	149.25	ISO-NE Dispatch Units 11, 12, 14
07/15/21	59.04	Summer CCA Testing
07/17/21	42.91	ISO-NE Dispatch Units 11, 12, 14
08/18/21	48.34	ISO-NE Dispatch Unit 13
08/24/21	157.43	ISO-NE Dispatch Units 11, 12, 13, 14
08/25/21	275.80	ISO-NE Dispatch Units 11, 13, 14 & Vibration Test Unit 12
08/26/21	136.31	ISO-NE Dispatch Units 11, 13, 14
09/01/21	69.01	NERC Testing Unit 14
09/02/21	1.15	NERC Testing Units 12, 13
09/09/21	1.49	Testing of an Oil Pressure Problem- Unit 13
09/23/21	110.75	NERC Testing Units 12, 13
09/24/21	16.84	ISO-NE Dispatch Unit 11
10/01/21	5.83	High Vibration on the A Free Turbine- Unit 12
10/04/21	32.74	Troubleshoot High Oil Temp- Unit 11/ Replaced Transducer on A Free Turbine- Unit 12
01/21/22	60.06	Winter SCCA Test Attempt Units 11, 12
01/26/22	136.27	Winter SCCA Test Attempt Units 11, 13
01/27/22	141.00	Winter SCCA Test Attempt Units 12, 14
01/28/22	0.50	Tested Auto/ Manual Switch
02/28/22	73.27	SCCA Testing Unit 14

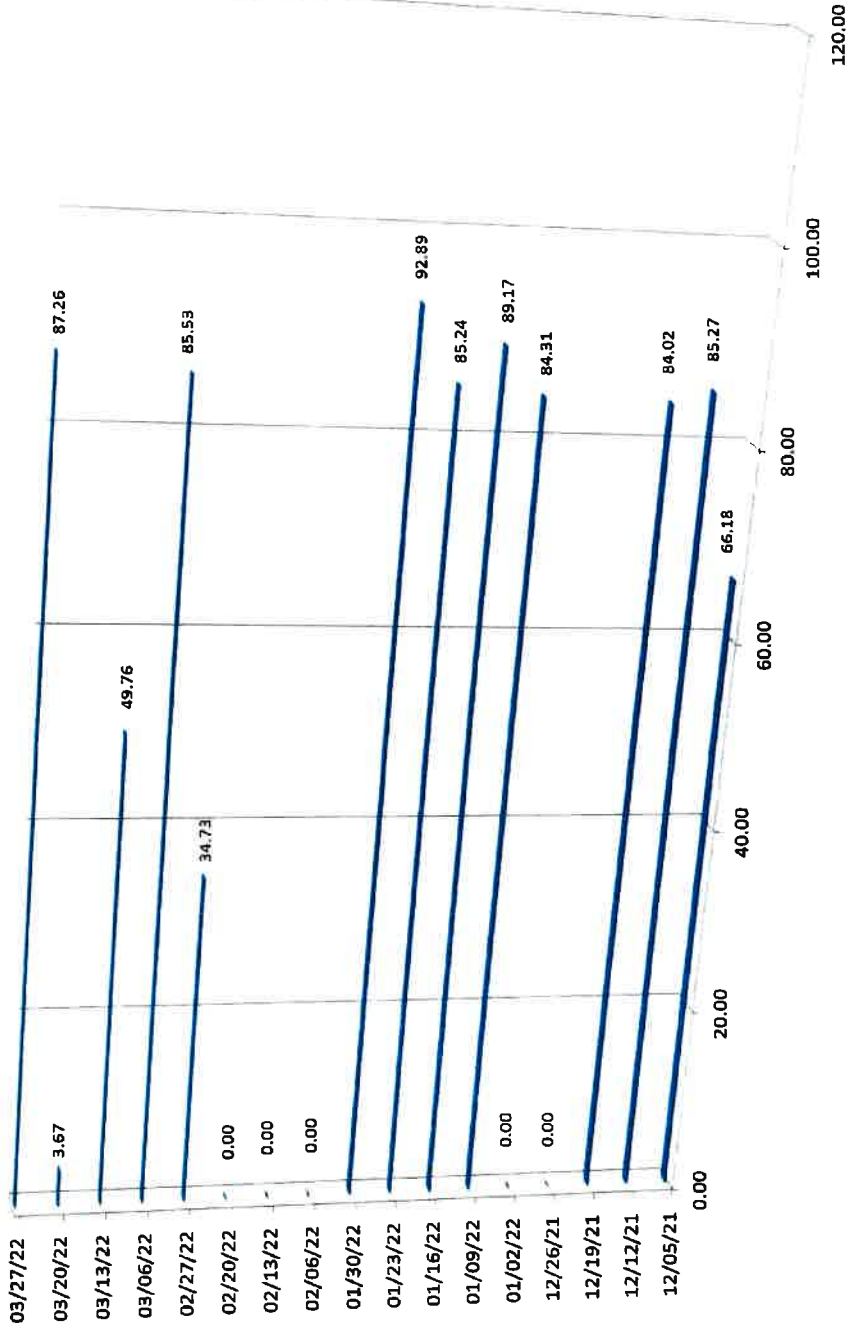
BLR#11 Steam Flow % of Target Steam flow Production



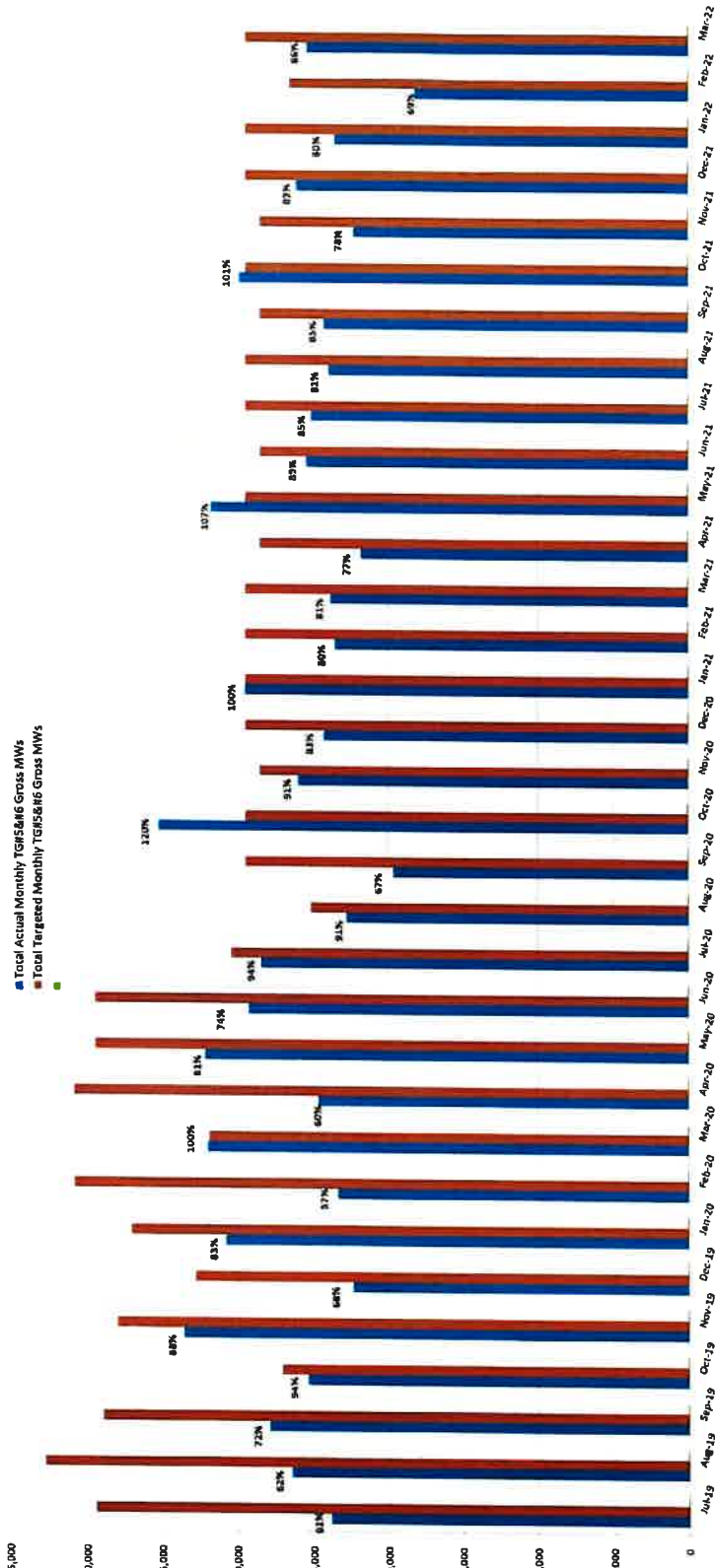
BLR#12 Steam Flow % of Target Steam flow Production



BLR#13 Steam Flow % of Target Steam flow Production



Combined Monthly TG#5 Gross MWs - Actual to Targeted



TAB C

MATERIALS INNOVATION AND RECYCLING AUTHORITY

Monthly Customer MSW and Recyclables Deliveries

March-22

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Mar 21	Mar 22	Growth
CSWS MSW									
Tier 1	391,251	400,941	2%	295,875	268,013	(9%)	34,026	28,978	(15%) (1)
Tier 2	13,013	13,580	4%	10,138	9,859	(3%)	1,136	1,063	(6%) (1)
Non-Processible MSW	2,637	2,946	12%	1,647	1,092	(34%)	217	6	(97%) (1)
Hauler Contract	114,976	64,521	(44%)	54,007	63,358	17%	4,625	6,275	36%
Contract (FCR Residue)	11,723	7,736	(34%)	7,009	0	(100%)	642	0	(100%) (1)
Ferrous Residue	6,868	6,502	(5%)	4,748	3,527	(26%)	448	445	(1%)
In-State Spot	0	9,219	-	1,858	10,595	470%	588	3,776	542%
Out-of-State Spot	0	27	-	10	822	8344%	10	556	5608%
MSW TOTAL	540,468	505,471	(6%)	375,291	357,266	(5%)	41,692	41,099	(1%)

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Mar 21	Mar 22	Growth
CSWS Recyclables									
Tier 1	56,609	54,036	(5%)	40,654	35,732	(12%)	4,228	3,990	(6%) (2)
Hauler Contract	20,474	5,361	(74%)	5,124	850	(83%)	97	104	7% (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%)	45,779	36,582	(20%)	4,326	4,094	(5%)

MSW CSWS Diversions, Exports, Re-Redirected Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Mar 21	Mar 22	Growth
CSWS Facility and/or TS	4,416	0	(100%)	0	0	-	0	0	-
Re-Redirected Material (1)	93	0	(100%)	0	0	-	0	0	-
TOTAL TONNAGE	4,509	0	(100%)	0	0	-	0	0	-

Recycling CSWS Diversions, Exports, Re-Redirected Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Mar 21	Mar 22	Growth
CSWS Facility and/or TS	4,122	11,216	172%	2,043	36,423	1683%	0	4,419	-
Re-Redirected Material (2)	0	1,650	-	1,650	0	(100%)	0	0	-
TOTAL TONNAGE	4,122	12,866	212%	3,693	36,423	886%	0	4,419	-

(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	Mar 21	Mar 22	Growth
Avon	12,112	12,660	5%	9,383	9,643	3%	1,064	1,047	(2%)
Bethlehem	1,710	1,811	6%	1,361	1,339	(2%)	159	144	(10%)
Bloomfield	15,811	13,870	(12%)	9,944	11,831	19%	1,192	1,313	10%
Canaan	474	496	5%	364	379	4%	45	40	(11%)
Canton	4,637	4,779	3%	3,585	3,583	(0%)	398	381	(4%)
Clinton	8,193	8,371	2%	6,208	5,831	(6%)	721	621	(14%)
Chester	1,139	1,392	22%	1,062	824	(22%)	100	68	(32%)
Colebrook	604	595	(1%)	440	475	8%	43	47	9%
Cornwall	530	599	13%	457	430	(6%)	49	55	11%
Deep River	3,359	3,087	(8%)	2,275	2,421	6%	262	289	10%
Durham/Middlefield	6,634	5,988	(10%)	4,589	2,825	(38%)	521	219	(58%)
East Granby	2,480	2,221	(10%)	1,641	1,718	5%	192	174	(9%)
East Hartford (2)	27,411	28,425	4%	20,843	0	(100%)	2,458	0	(100%)
East Hampton	6,691	7,017	5%	5,259	4,547	(14%)	561	505	(10%)
Ellington	5,228	5,271	1%	3,915	3,850	(2%)	439	413	(6%)
Essex	2,997	2,640	(12%)	1,943	2,054	6%	248	217	(12%)
Farmington	13,526	12,866	(5%)	9,532	8,903	(7%)	1,098	939	(14%)
Glastonbury	18,718	19,725	5%	14,535	13,836	(5%)	1,684	1,415	(16%)
Goshen	1,452	1,543	6%	1,147	1,071	(7%)	128	101	(21%)
Granby	4,271	4,416	3%	3,292	3,328	1%	374	341	(9%)
Haddam	3,346	3,495	4%	2,596	2,551	(2%)	305	261	(14%)
Hartford	80,122	84,363	5%	61,813	62,408	1%	7,631	7,016	(8%)
Harwinton	2,017	2,061	2%	1,537	1,599	4%	154	187	22%
Killingworth	2,061	1,647	(20%)	1,218	1,281	5%	136	146	8%
Litchfield	5,264	5,360	2%	3,982	4,016	1%	455	404	(11%)
Lyme	759	798	5%	599	584	(2%)	67	60	(11%)
Marlborough	2,401	2,759	15%	2,056	1,940	(6%)	251	176	(30%)
Middlebury	2,369	2,504	6%	1,954	1,657	(15%)	185	182	(2%)
Naugatuck	13,281	13,939	5%	10,397	8,450	(19%)	1,116	964	(14%)
Newington	19,499	20,347	4%	14,980	14,715	(2%)	1,719	1,606	(7%)
Norfolk	777	774	(0%)	593	560	(6%)	57	50	(13%)
North Canaan	2,005	2,054	2%	1,527	1,526	(0%)	167	160	(4%)
North Branford (4)	4,996	4,467	(11%)	3,330	0	(100%)	365	0	(100%)
Old Lyme	4,133	4,966	20%	3,500	3,326	(5%)	342	258	(24%)
Old Saybrook	8,742	8,715	(0%)	6,441	6,512	1%	667	656	(2%)
Portland	3,734	4,100	10%	3,015	3,010	(0%)	327	337	3%
Rocky Hill	12,171	12,510	3%	9,241	9,450	2%	961	1,039	8%
Roxbury (3)	671	722	8%	553	0	(100%)	55	0	(100%)
RRDD#1	11,082	11,319	2%	8,392	8,181	(3%)	961	908	(5%)
Salisbury/Sharon	3,152	3,508	11%	2,614	2,431	(7%)	298	238	(20%)
Simsbury	11,370	11,315	(0%)	8,414	8,597	2%	926	931	1%
Thomaston	4,299	4,425	3%	3,273	3,410	4%	391	380	(3%)
Torrington	22,954	23,611	3%	17,429	17,676	1%	2,025	1,942	(4%)
Watertown	11,157	12,005	8%	8,884	8,143	(8%)	1,036	989	(5%)
Westbrook (1)	2,856	3,010	5%	2,158	2,626	22%	215	319	49%
Wethersfield	14,357	14,380	0%	10,584	11,198	6%	1,165	1,058	(9%)
Woodbury	3,699	4,015	9%	3,023	3,277	8%	312	381	22%
TOTAL TIER 1 PART.	391,251	400,941	2%	295,875	268,013	(9%)	34,026	28,978	(15%)

(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)

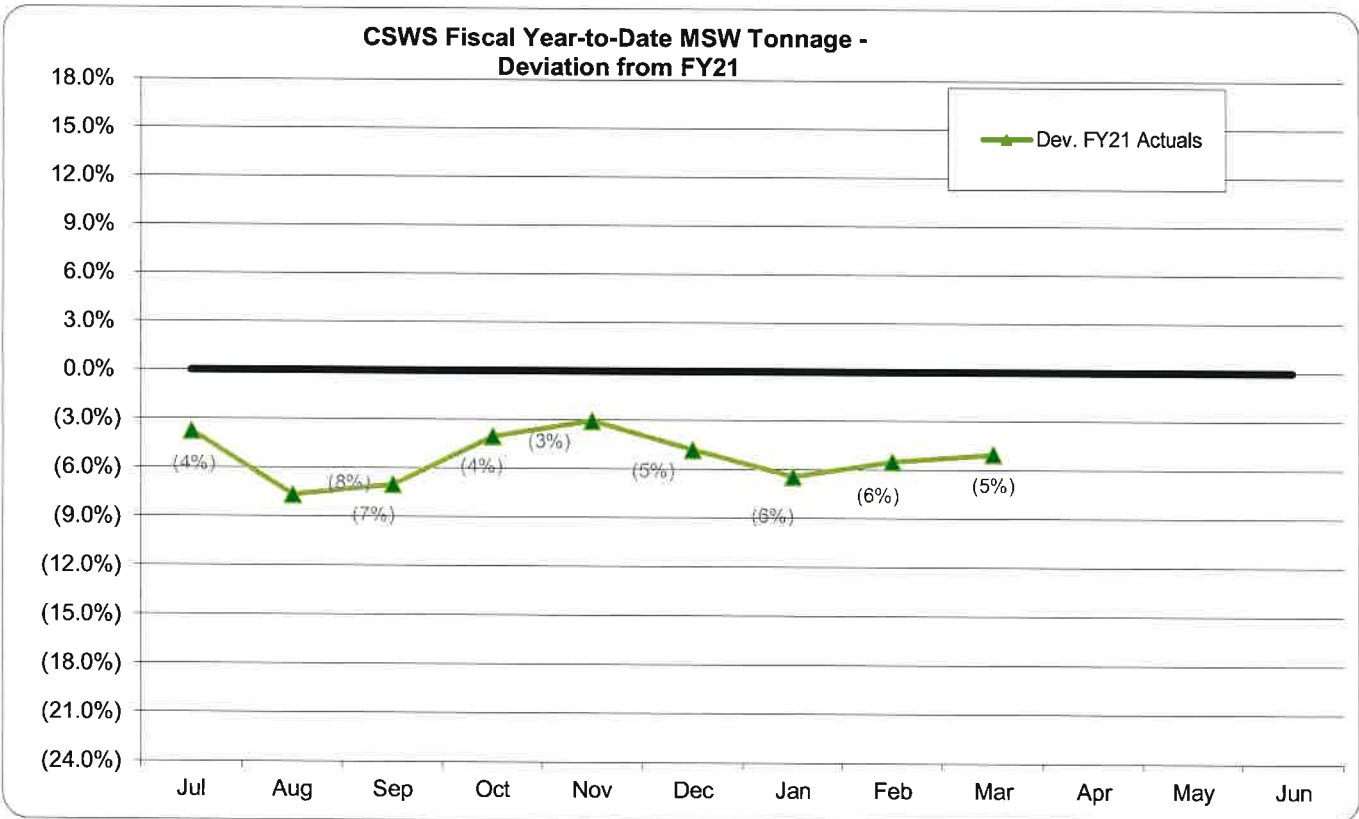
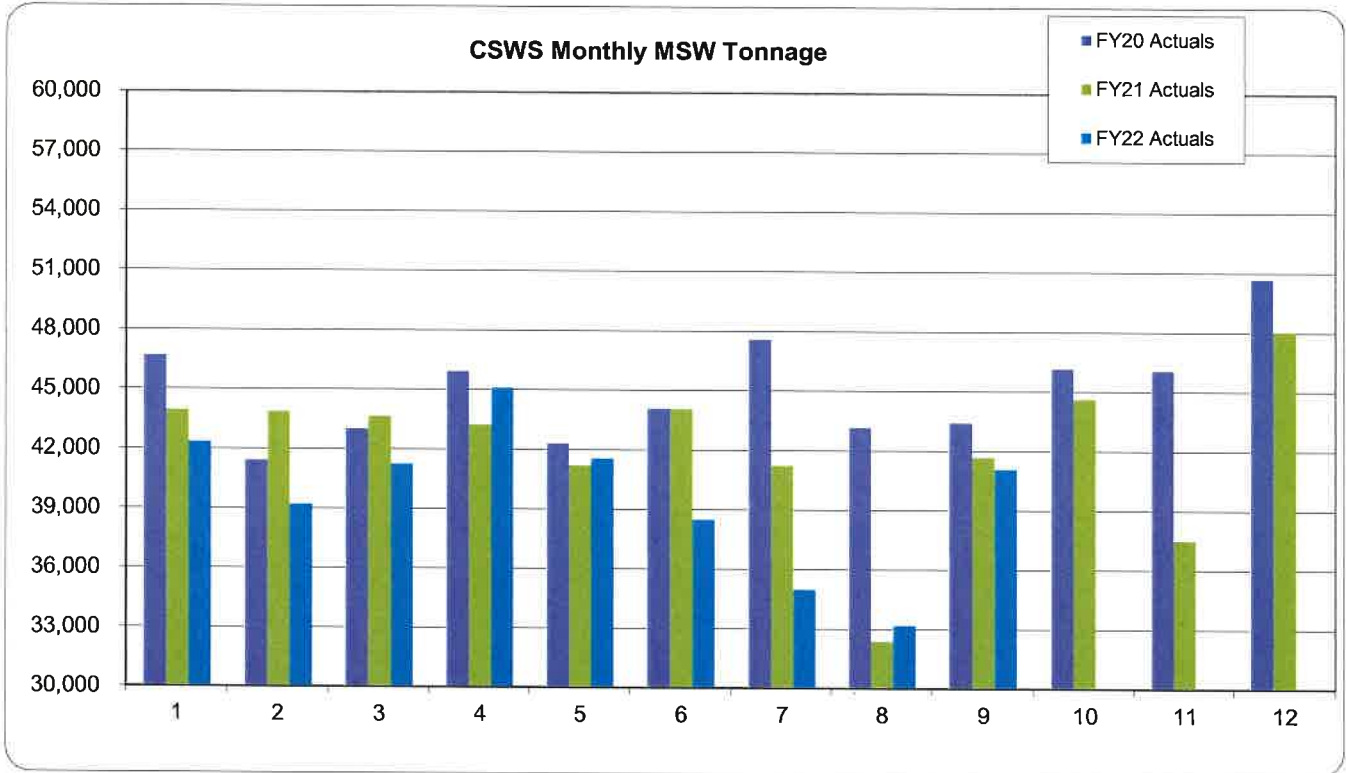
(3) Roxbury- Not a member starting 7/1/2021

(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	Mar 21	Mar 22	Growth
Manchester	13,013	13,580	4%	10,138	9,859	(3%)	1,136	1,063	(6%)
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,013	13,580	4%	10,138	9,859	(3%)	1,136	1,063	(6%)

CSWS MSW Trends



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

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Mar 21	Mar 22	Growth
Avon	1,925	2,041	6%	1,539	1,451	(6%)	190	185	(3%) (a)
Bethlehem	367	369	1%	280	230	(18%)	34	28	(17%)
Bloomfield	1,582	1,568	(1%)	1,158	1,166	1%	116	125	7% (a)
Canaan	106	204	93%	118	120	1%	16	7	(56%)
Canton	891	920	3%	711	684	(4%)	75	66	(13%) (a)
Chester	328	405	23%	313	228	(27%)	31	16	(49%)
Clinton	1,215	1,029	(15%)	843	554	(34%)	75	88	18%
Colebrook	184	206	12%	153	155	2%	16	16	3%
Cornwall	174	190	9%	142	121	(14%)	15	13	(10%)
Deep River	400	292	(27%)	219	291	33%	29	33	15%
Durham/Middlefield	933	903	(3%)	694	520	(25%)	75	53	(30%) (a)
East Granby	439	478	9%	363	326	(10%)	45	40	(10%) (a)
East Hartford (2)	3,461	2,998	(13%)	2,165	0	(100%)	177	0	(100%) (a)
East Hampton	1,028	1,044	2%	768	758	(1%)	72	79	9% (a)
Ellington	1,263	1,290	2%	975	923	(5%)	121	108	(11%) (a)
Essex	828	748	(10%)	564	606	8%	62	77	25%
Farmington	2,221	2,086	(6%)	1,582	1,445	(9%)	173	159	(8%) (a)
Glastonbury	3,493	3,445	(1%)	2,641	2,327	(12%)	263	254	(3%) (a)
Goshen	371	383	3%	284	252	(11%)	28	23	(18%)
Granby	1,296	1,273	(2%)	948	908	(4%)	89	81	(9%) (a)
Haddam	649	672	3%	509	466	(8%)	52	52	1% (a)
Hartford	3,826	1,375	(64%)	988	1,724	74%	42	255	505% (a)
Harwinton	476	502	5%	375	358	(5%)	37	44	21%
Killingworth	494	462	(6%)	359	302	(16%)	38	32	(15%)
Litchfield	780	837	7%	617	596	(3%)	74	65	(12%)
Lyme	263	290	10%	221	210	(5%)	25	21	(17%)
Marlborough	523	533	2%	403	392	(3%)	42	50	19% (a)
Middlebury	898	922	3%	707	636	(10%)	74	68	(8%)
Naugatuck	2,216	2,249	1%	1,724	1,597	(7%)	181	176	(3%)
Newington	2,481	2,503	1%	1,882	1,767	(6%)	212	192	(9%) (a)
Norfolk	166	167	1%	131	124	(5%)	13	13	(1%)
North Branford (4)	1,210	1,159	(4%)	841	0	(100%)	87	0	(100%)
North Canaan	258	251	(3%)	199	192	(4%)	23	22	(6%)
Old Lyme	1,256	1,358	8%	1,011	943	(7%)	92	100	9%
Old Saybrook	1,276	1,414	11%	1,088	995	(9%)	103	94	(9%)
Portland	816	857	5%	650	612	(6%)	67	76	13% (a)
Rocky Hill	1,540	1,471	(4%)	1,108	1,046	(6%)	121	113	(7%) (a)
Roxbury (3)	232	268	16%	209	0	(100%)	20	0	(100%)
RRDD#1	1,666	1,671	0%	1,265	1,207	(5%)	152	144	(5%)
Salisbury-Sharon	1,179	1,229	4%	929	840	(10%)	98	78	(20%)
Simsbury	2,602	2,602	0%	1,971	1,864	(5%)	211	205	(3%) (a)
Thomaston	913	881	(3%)	677	705	4%	78	75	(5%)
Torrington	2,785	2,883	4%	2,130	2,083	(2%)	245	235	(4%)
Watertown	1,558	1,634	5%	1,238	1,151	(7%)	127	120	(6%)
Westbrook (1)	573	503	(12%)	365	400	10%	33	45	37%
Wethersfield	2,647	2,575	(3%)	1,918	1,859	(3%)	205	200	(2%) (a)
Woodbury	820	893	9%	681	598	(12%)	75	64	(14%)
TOTAL TIER 1 PART.	56,609	54,036	(5%)	40,654	35,732	(12%)	4,228	3,990	(6%)

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

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

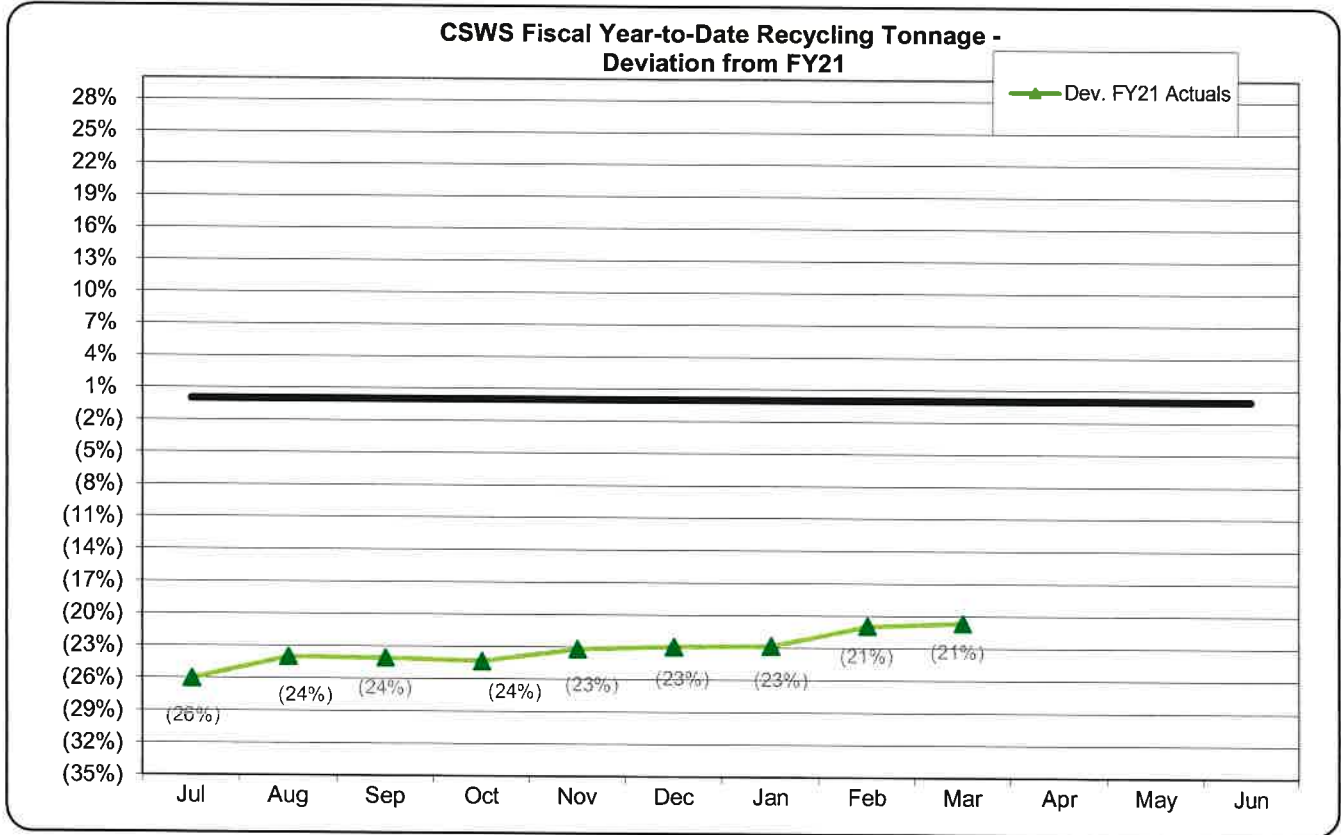
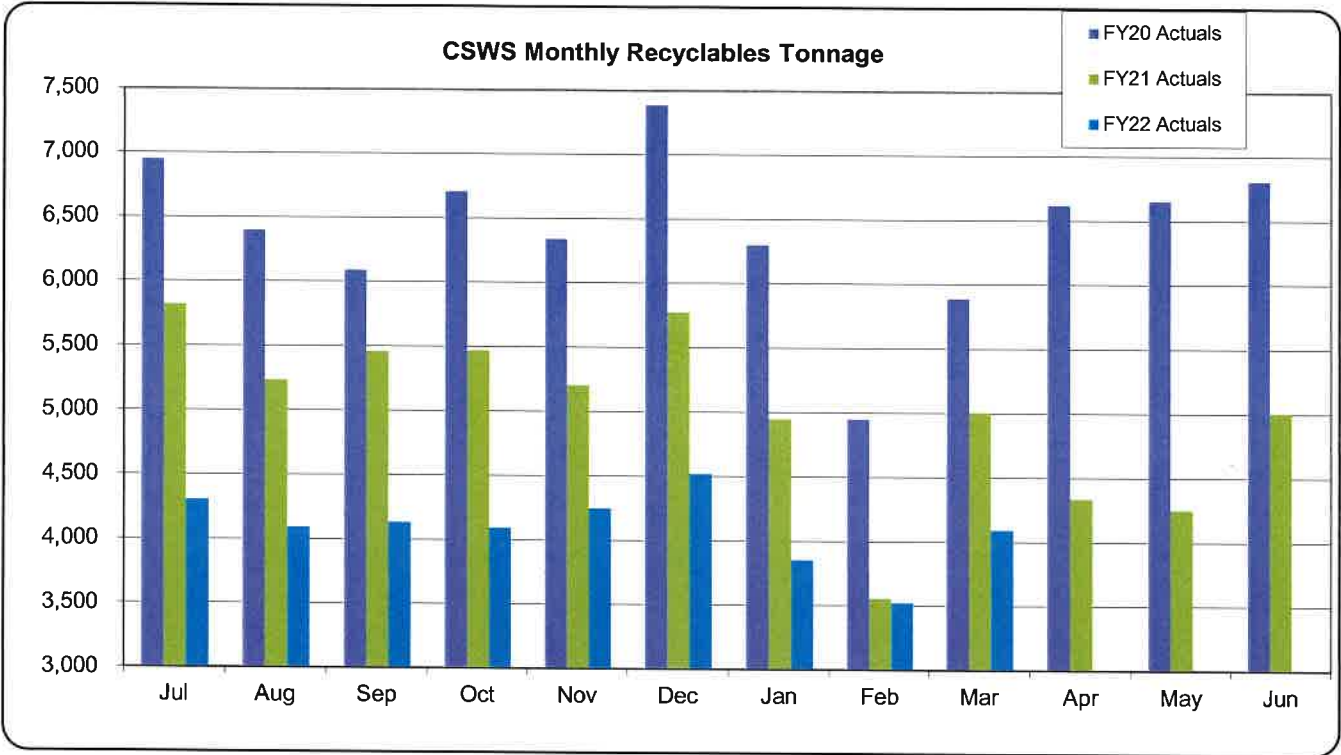
(2) East Hartford- Not a member starting 7/1/21

(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

**FINAL ACTIVITY REPORT
FOR THE
MATERIALS INNOVATION
AND
RECYCLING AUTHORITY (MIRA)
CONNECTICUT SOLID WASTE SYSTEM
FACILITY**

**Final Report
March 31, 2022**

*Submitted by:
United States Department of Agriculture
Animal and Plant Health Inspection Service
Wildlife Services
463 West Street
Amherst, MA 01002
(413) 253-6684*

Timothy S. Cozine Staff Wildlife Biologist, Amherst, Massachusetts

*Project was monitored by:
Donald J. Wilda, District Supervisor*

*Assistance Provided by: Wildlife Specialist Michael Parenteau,
Massachusetts, Rhode Island and Connecticut*

Introduction

The United States Department of Agriculture, Animal Plant Health Inspection Service, Wildlife Services (USDA/APHIS/WS) has a long standing working relationship with Connecticut Resources Recovery Authority (CRRA) now the Materials Innovation and Recycling Authority (MIRA) by providing assistance in the management of migratory bird species causing damage to property and posing a threat to human health and safety.

WS began assisting CRRA in the management of migratory birds at the Hartford Landfill in 2003. When the Hartford Landfill closed in 2008, WS transitioned operational control activities to the Mid-Connecticut Project, now referred to as the Connecticut Solid Waste System Facility, for the remainder of the agreement. During this time WS provided operational control to reduce threats to human health and safety at the facility. WS also worked closely with Hartford-Brainard Airport to reduce threats to aviation. WS regularly communicated with the airport when performing operational control activities at the facility to prevent any added risk to aircraft.

On July 1, 2021 WS renewed the cooperative agreement with MIRA. The purpose of this agreement was to facilitate APHIS/WS conducting operational control at the Connecticut Solid Waste System Facility to reduce the number of birds and other wildlife that pose a threat to human health and safety and pose a threat to aviation at the adjacent Hartford-Brainard Airport for one year.

Legal Authority of Wildlife Services

The USDA is directed by law to protect American agriculture and other resources from damage associated with wildlife. APHIS, WS has statutory authority under the Act of March 2, 1931 (46 Stat. 1468; 7 U.S.C.426-426b) as amended, and the Act of December 22, 1987 (101Stat. 1329-331, 7 U.S.C. 426c), to cooperate with States, local jurisdictions, individuals, public and private agencies, organizations, and institutions while conducting a program of wildlife service's involving mammal and bird species that are reservoirs for zoonotic diseases, or animal species that are injurious and/or a nuisance to, among other things, agriculture, horticulture, forestry, animal husbandry, wildlife, and human health and safety

The WS program is a non-regulatory, federal cooperative wildlife management program whose mission is to provide leadership in reducing conflicts between people and wildlife. WS has the primary responsibility for responding to threats caused by migratory birds. A growing focus of WS is to help promote the safe operation of aircraft by working with airport management to document, monitor and manage wildlife hazards at airports throughout the country.

Legal Status of Wildlife Species

Federal, state, or municipal laws protect most forms of wildlife and their habitats. Before conducting any control action at the Connecticut Solid Waste System Facility, whether lethal or non-lethal, the identification and legal status of the target species should be determined. Regulatory agencies governing wildlife issue permits to trap or kill wild animals depending on the species and method of control involved. MIRA is responsible for adhering to the current regulations regarding wildlife control and for obtaining the appropriate permits to take or harass specific types of wildlife. Potential non-target animals should be identified, as well, to aid in determining the appropriate control methods that would avoid killing or harassing these species.

Federal Regulations

The U.S. Congress has passed several acts for the protection of wildlife including the Migratory Bird Treaty Act (MBTA), the Lacey Act, the Endangered Species Act, Bald and Golden Eagle Protection Act, the National Environmental Policy Act (NEPA), the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Clean Water Act regulated by the U.S. Army Corps of Engineers. These are the basis of

most wildlife regulations that have been issued in the Codes of Federal Regulations (CFR). Several agencies are responsible for implementing these regulations and many of these regulations affect wildlife management. Federal wildlife laws are administered by the U.S. Fish and Wildlife Service (USFWS) and primarily involve migratory birds protected under the MBTA and all species protected under the Endangered Species Act. Permits from the USFWS must be updated annually unless otherwise stated on the permit.

MIRA was authorized to take migratory birds under U.S. Fish and Wildlife Service Depredation Permit Number MB 826758-0 (Appendix 1). This permit authorized MIRA and those listed as a sub-permittee to kill “non-endangered and non-threatened species of migratory birds only after non-lethal techniques have been tried.” Depredation permits are subject to the conditions stated in 50 CFR § 21.27 Special Purpose Permits. Under these guidelines MIRA is required to document the permitted activity including type of action, species and numbers involved, and disposition of carcasses. These records should be readily available when needed. Wildlife Services maintains all take records and they are available to MIRA upon request.

Although MIRA’s permit has been renewed, due to issues involving the COVID-19 pandemic and changes in how permits are renewed at the U. S. Fish and Wildlife Service, the permit for 2020-2021 has not been issued as of 21 April 2021. In the interim, any required take of migratory birds will be conducted under Wildlife Services statewide depredation permit for Connecticut.

USDA Wildlife Services has long been excluded from activities to control urban rodents under our enacting legislation. However, no definition of urban rodents was provided, and Wildlife Services has operated with definition of urban rodents to mean commensal rodents, specifically Norway and black/roof rats and house mice. Due to conflicts with the National Pest Management Association and others, Wildlife Services has redefined and clarified the definition of urban rodents as follows.

For the purposes of activities authorized under the Act of December 22, 1987 (7 U.S.C. 426c), the term "urban rodent control" shall mean actions to directly control mice, rats, voles, squirrels, chipmunks, gophers, woodchucks, and groundhogs in a city or town with a population greater than 50,000 inhabitants and the urbanized area contiguous and adjacent to such a city or town, except actions involving: (1) federal agencies; (2) government entities engaged in a cooperative service agreement with APHIS to provide direct control of rodents as of October 1, 2013; (3) a state in which direct control of the rodent species has been expressly authorized by state law, rulemaking, or a local jurisdiction's ordinance promulgated by public notice and an opportunity for public comment or as otherwise promulgated as required and authorized by the respective state or local law; and (4) railways and airport air sides areas. APHIS will refer all requests for operational assistance with "urban rodent control" from private entities such as home and business owners and associations to the private sector.

Due to the population of the City of Hartford and its clear urban setting, Wildlife Services will remain unable to conduct control of woodchucks, also known as groundhogs, on MIRA property in the absence of a state law or local ordinance specifically authorizing Wildlife Services to conduct rodent control. However, woodchuck damage management was a minor part of Wildlife Services activities in the past.

State and Local Regulations

Connecticut state wildlife laws generally follow the federal regulations for migratory bird species and further regulate actions concerning mammals, upland game birds and other vertebrates. The Connecticut Department of Energy and Environmental Protection Wildlife Division (CT DEEP WD) state permit issued to Hartford-Brainard Airport allows for the harassment and lethal removal of game and fur bearing species to protect public safety: white-tailed deer, Eastern wild turkey, coyote, red fox, grey fox, and raccoon. This permit further allows that mammals interfering with bird control measures may be trapped and euthanized from the Connecticut Solid Waste System Facility (MIRA) at 300 Maxim Road in Hartford, CT.”

The permit letter is issued by the state to protect property and human health and safety. Wildlife in Connecticut is regulated primarily by Connecticut General Statutes (CGS), Title 26: Chapter 460 Fisheries and Game and Chapter 495 Connecticut Endangered Species.

WILDLIFE SURVEYS RESULTS AND ANALYSIS

Wildlife Service's Employed Methods

WS utilized a variety of equipment to perform operational control at the Connecticut Solid Waste System facility to manage migratory bird species and mammals. WS completed surveys during each visit to the facility. The data gathered during the surveys was used to create wildlife population indices. Indices, unlike true population counts, loosely represent wildlife populations and are useful in showing changes in populations over time or comparing one population to another. The survey information is not intended to represent the total wildlife population at Connecticut Solid Waste System Facility, but the technique allows Wildlife Services to build an index of species presence and behavior which satisfies the intent of this study. Because there was no hypothesis being tested, other statistical analysis was not necessary.

WS utilized two types of pyrotechnics to harass wildlife at the Connecticut Solid Waste System Facility. One type, the whistler/screamer, emits a loud scream while the other, the bird bomb/banger, emits a loud bang after discharge.

Observations

The Connecticut Solid Waste System Facility is highly attractive to a wide variety of wildlife. WS identified three groups of birds that congregate in numbers and pose a threat to human health and safety, property damage, and pose a serious threat to aviation. These birds are blackbirds (European starlings), Corvids (American crows), and gulls (great black-backed, herring, and ring-billed gulls). Rock pigeons and house sparrows have also occurred in small numbers in the past and pose a minor threat to human health on site and to aviation safety.

Other bird species are attracted to the site due to the volume of other bird species. These include a wide variety of hawk species. These birds do not pose a threat to human health and safety on property at the Connecticut Solid Waste System Facility, but instead pose a serious threat to aviation at the adjacent Hartford-Brainard Airport.

WS has also identified raccoons as another species of wildlife that pose a serious threat to property damage and human health and safety at the Connecticut Solid Waste System Facility.

Free-ranging or stray domesticated dogs and stray and feral cats have also been a past issue that could have potentially caused a threat to human health, since stray domestic pets can transmit disease and are attracted to people for food and affection.

Gull Guild:

Description: Gulls are large bodied, robust birds with webbed feet, long pointed wings, and stout bills. Most adults are white with a gray or black back and wings; however, juveniles are typically mottled brown or gray for the first two to three years of life. Gulls are commonly attracted to areas when food or water is available. Food sources may include refuse from dumpsters or nearby landfills, shellfish, fish, earthworms, insects, or carrion. These birds become habituated quickly to easy sources of food such as handouts at construction sites and parking areas.

Legal Status: Gulls are classified as migratory non-game birds and can be killed with a USFWS depredation permit and a concurrent state depredation permit.

Control Measures: Habitat modifications are the most effective methods for controlling gulls. Clean and contained trash areas, elimination of standing water, and prevention of food handouts will usually deter gulls, especially if combined with an active hazing and shooting program. However, gulls quickly habituate to dispersal techniques (pyrotechnics, bioacoustics, and visual scare devices) and individuals may need to be shot to reinforce non-lethal methods.

Damage Threat to Aircraft: Gulls are hazardous to aircraft due to their large body size, abundance, expanding distributions, flocking behavior, and relatively slow flight characteristics. Nationally, gulls account for 9.68% of known species bird-aircraft strikes and 9.69% of known species damaging bird strikes within the United States resulting in \$65,403,741 in damage from 1990 to 2020 (Dolbeer et al. 2021). Gulls are the third most commonly struck species group reported to the National Wildlife Strike Database. Ring-billed, herring, and laughing gulls are the 11th, 16th, and 25th most struck species during this period. When struck, gulls are ranked 10th out of the 21 species causing significant damage to aircraft (Dolbeer et al. 2000).

Observations: WS noted a significant decline in gull numbers between 2009 and 2017 followed by a significant increase from 25 in 2017-18 to 466 in 2018-19. There was a significant decrease of 84.1%, from 466 gulls observed during 2018-19 to 74 (66 herring gulls and 8 great black-backed gulls) observed during 2019-20 and 17 herring gulls observed during 2020-21. Numbers again dropped significantly to only 3 herring gulls observed during 2021-22 a decrease of 82.35%. The ten-year average number of gulls observed at MIRA is 263.4 (249 herring gulls, 4.6 great black-backed gulls, and 9.8 ring-billed gulls). No great black-backed gulls, ring-billed gulls or other gull species were observed at MIRA during 2021-22 to date.

Gulls were observed during 1 of 38 visits to date during the 2021-22 agreement. The single observation was 3 herring gulls on February 23, 2022.

WS's harassment program continued to benefit from the change in practices, including closing of doors, implemented by NAES. Overall gulls respond well to harassment. As a result, there were no gulls lethally taken to date during the 2021-22 agreement.

Blackbirds:

Description: The blackbird guild at MIRA consisted solely of European starlings again during 2021-22. Brown-headed cowbirds and common grackles have not been observed in significant numbers since July 1, 2013.

European starlings are gregarious or flocking birds, and are known to form large flocks, sometimes mixed with other black-bird species, which can range in the thousands during the winter months. Flocks typically form near areas with suitable roosting sites and adequate foraging habitats. European starlings are opportunistic feeders and consume a variety of foods, including fruits, grains, weed seeds, and insects. Starlings were introduced into the United States in the 1890's and quickly spread throughout North America. The European starling is a cavity nester and seeks out nesting areas with both suitable nesting cavities, usually near buildings, and short grass areas for foraging.

Legal Status: European starlings are an introduced species and are not protected by federal law and are minimally protected by Connecticut law. They may be killed at any time of year without a permit when concentrated in a manner that constitutes a threat to human health and safety. Other black-birds such as brown-headed cowbirds and common grackles are protected by the Migratory Bird Treaty Act, but may be taken under the Federal Crow and Blackbird Depredation Order. Under the order, cowbirds "may be taken when causing or about to commit damage to...or when concentrated in numbers or in a manner as to constitute a health hazard or nuisance". There is a newly required reporting requirement under the blackbird depredation order, which is currently being handled by Wildlife Services.

Control Measures: Habitat management (i.e., grass management, roost removal, etc.) and exclusion are usually the most cost effective methods because they serve as long term deterrents. Exclusion can be considered as covering trailers full of residue material awaiting transport and closing roll-up bay doors to prevent access to the interior of the facility. If doors cannot be closed due to safety or fire concerns, bird barriers such as clear plastic barrier straps or forced air barriers can be installed in the door way.

Habitat management alone is not enough to discourage European starlings. Often birds simply move to another location at the facility so it is important to be persistent in harassing this bird species. Shooting as reinforcement to harassment, toxicant applications, or trapping can also be used as population control methods if the birds become habituated to pyrotechnics or other non-lethal methods. Other black-birds are much less common on site and they are generally controlled in conjunction with starlings when necessary.

Damage Threat to Aircraft: European starlings and black-birds are considered hazardous to aviation because of the large flocks they form and their relatively dense body. Blackbirds and European starlings rank 2nd out of the 21 wildlife species most often reported struck by aircraft and 19th of 21 species causing damage when reported struck by aircraft (Dolbeer et al. 2000). European starlings are the sixth most commonly struck species and were responsible for \$8,306,502 in damage between 1990 and 2020 (Dolbeer et al. 2021). In October of 1960, a Lockheed Electra turbo-prop aircraft ingested European starlings into all engines during takeoff at Logan Airport and crashed resulting in 62 human fatalities.

Observations: The number of European starlings harassed or removed in 2021-22 decreased significantly, 73.05% from 2021-22, down to 8,356 from 31,015. Starlings were observed on 38 of 40 visits from April 6, 2021 to April 1, 2022. WS used harassment to manage starling numbers at the facility. There was no lethal take of starlings during 2021-22.

Corvids:

Description: The corvid guild at MIRA consists entirely of American crows. American crows are large sized passerine birds of the family Corvidae. The Corvidae family includes American and fish crows, blue jays and common ravens. All are considered highly intelligent and social. American crows are omnivores and capable of consuming a wide range of food types including: fruits, grains, seeds, nuts, small vertebrates, insects and other invertebrates, refuse and carrion. Studies show that crows consume over 600 different food items. Crows commonly feed in open areas, especially when there is dense cover nearby such as trees or heavy brush.

Legal Status: American crows are protected by the Migratory Bird Treaty Act, but certain species may be taken under the Federal Crow and Blackbird Depredation Order. American and fish crows are included in the blackbird depredation order and “may be taken when causing or about to commit damage to... or when concentrated in numbers or in a manner as to constitute a health hazard or nuisance”. As with other blackbirds, there is now a reporting requirement under the blackbird depredation order which will be handled by Wildlife Services. American crows could be hunted with a valid Connecticut state hunting license during the 2021-22 open seasons from January 8th through March 26th Monday through Saturday. It is anticipated the season will resume from August through October and October through November on Wednesday, Friday, and Saturday, ½ hour before sunrise to ½ hour after sunset. However, dates have not been announced to date and regulations may vary each year.

Control Measures: The most effective method to prevent crows from using an area is habitat modification. This method includes allowing the grass to grow taller than 7 inches, removing trees used for roosting and structures used for perching. If crows continue to use the facility, they should be dispersed with pyrotechnics and reinforced with an air rifle.

Damage Threat to Aircraft: Crows can inflict severe damage to aircraft. Fortunately, most crows are somewhat adept when it comes to avoiding aircraft, and are generally not considered a great threat to aviation. However, this does not mean they can be dismissed as a hazard altogether. They are known to form large

flocks, especially during the fall and winter which increases the potential for damaging strikes. There were 581 American crow strikes responsible for \$2,145,210 in damage to civil aircraft between 1990 and 2020 (Dolbeer et. al 2021). Crows and ravens rank 14th out of the 21 most struck species groups and rank 18th out of 21 species based on the number of strikes resulting in major damages (Dolbeer et al. 2000).

Observations: The number of American crows harassed or taken in 2021-22 decreased significantly 68.16% from 2020-21, to 676 from 2,123. Crows were observed on 19 of 38 visits from April 6, 2021 to April 1, 2022. This is a significant increase in overall observations of crows at MIRA. American crows congregate in large numbers during winter months as they travel to and from winter roosting sites and tend to gather at the facility starting late in October and disperse by late March. It is possible that the decrease in crow numbers is simply the result of the Hartford winter crow roost relocating to a site further from MIRA during the winter of 2021-22. There were no American crows lethally removed and 676 American crows non-lethally dispersed with pyrotechnics to date.

Other Wildlife of Concern:

Rock pigeons:

Description: Feral pigeons, commonly referred to as rock pigeons or rock doves, are familiar birds that are abundant in cities and farms throughout Connecticut. Pigeons are powerful fliers with robust bodies, small heads, and short beaks. Feral pigeons tend to fly at higher altitude, descending to their destination in a rapid circling pattern with their wings spread back. Although both species are primarily granivorous, they will occasionally consume protein rich animal mater such as insect larvae. Pigeons are known for readily accepting handouts from humans.

Legal Status: Rock pigeons, like European starling, are an introduced species and are not protected by federal law and are minimally protected by Connecticut law. They may be killed at any time of year without a permit when concentrated in a manner that constitutes a threat to human health and safety.

Control Measures: Exclusion by closing roll-up bay doors to prevent access to the interior of the facility and lethal control using an air rifle are the primary methods available for controlling pigeons. Trapping can be effective, but is best when conducted on a rooftop or similar structure near feeding or roosting sites.

Damage Threat to Aircraft: Although pigeons are not as large-bodied as many species considered dangerous to air safety, they are still a concern because of their flocking behavior, which increases the risk of collision with aircraft. Nationally this species is the 7th most commonly struck species and has accounted for \$13,962,060 in damage between 1990 and 2020 (Dolbeer et al. 2021). Pigeons ranked 11th out of the top 21 species resulting in major damage to aircraft (Dolbeer et al. 2000).

Observations: WS did not observe rock pigeons in sufficient numbers to require recording observations at the Connecticut Solid Waste System Facility during the duration of the operational control program. Although there have been no significant observations, this species could return in larger numbers at any time due to the large population in the Hartford area.

House Sparrows

Description: House sparrows are small brown granivorous (seed-eating) birds with thick, heavy bills for opening seed husks that form loose flocks, especially during the winter months. Males have a distinct black facial mask and females are uniformly streaked brown.

Legal Status: House sparrows, like both European starlings and rock pigeons, are an introduced species and are not protected by federal law and are minimally protected by Connecticut law. They may be killed at any time of year without a permit when concentrated in a manner that constitutes a threat to human health and safety.

Control Measures: Exclusion by closing roll-up bay doors to prevent access to the interior of the facility and lethal control using an air rifle are the primary methods available for controlling pigeons. Trapping can be effective, but is best when conducted on a rooftop or similar structure near feeding or roosting sites. House sparrows are cavity nesters; they build straw and grass nests in holes and confined spaces, commonly in buildings and other structures. These nests can result in clogged rooftop drains or result in fires when nests are made in electrical devices such as lights or circuit boxes. These nests should be removed, along with any eggs or chicks, and excluded whenever possible.

Damage Threat to Aircraft: Due to their small size and loose flocking behavior, house sparrows are not a significant threat to aviation safety. House sparrows have been identified in 423 strikes resulting in \$2,366 worth of damages from 1990 to 2020 (Dolbeer et al. 2021).

Observations: Similar to rock pigeons, WS did not observe house sparrows in sufficient numbers to require recording observations 2021-22. There were no house sparrows lethally taken or non-lethally dispersed. Although there have been no significant observations, this species could return in larger numbers at any time due to the large population in the Hartford area.

Mammals:

WS received no requests for assistance from MIRA staff to deal with dogs, cats, or other mammals frequenting the Connecticut Solid Waste System Facility during 2020-21. However, Wildlife Services would be able to facilitate capture and transport of dogs and cats to a shelter or veterinary care upon request. Wildlife Service will also continue to be able to assist MIRA with damage and threats caused by mammals such as raccoons, Virginia opossums and striped skunks, with the exception of urban rodents.

Summary

WS used multiple methods of non-lethal harassment to manage wildlife at the Connecticut Solid Waste System Facility to reduce overall bird populations. No lethal control has been conducted to date to manage the local bird population. Non-lethal dispersal reduce property damage and threats to human health and safety and aviation safety at neighboring Hartford-Brainard Airport.

In total, WS used a total of 129 pyrotechnics, 20 bird bombs and 109 whistler/screamers to disperse 33,007 birds (676 American crows, 3 herring gulls, and 8,309 European starlings) from the Connecticut Solid Waste System Facility. There were 47 European starlings non-lethally dispersed with vehicle chasing.

Recommendations

WS recommends a continuation of a proactive wildlife management program at the Connecticut Solid Waste System Facility to reduce the threat to human health and safety caused by birds and their droppings. Proactive management of wildlife at the facility shows a due-diligence and can reduce or eliminate liabilities if a damaging bird strike were to occur at Hartford-Brainard Airport. Furthermore, direct communication with Hartford-Brainard Airport must occur when conducting operational control at the facility to reduce further threats to aviation.

Recommendations at this time would be to ensure that personnel loading residue material in trailers continue to cover the trailers while they sit awaiting transport. Birds feed from the trailers regardless of the time of year. Covering trailers prevents easy access of birds to the residue material. This will help to prevent a habituation of birds to the site and reduce bird numbers overall. To date, most trailers get covered, but more trailers have been left uncovered while awaiting transport as the bird numbers have declined.

WS recommends the installation of a pigeon trap to reduce the numbers of pigeons using the power generation portion of the facility if this becomes an issue of concern during 2022-23. WS believes the pigeons roost and nest at the power generation side of the plant. In past years these birds have been observed flying over and feeding on the waste processing side of the facility. Accumulations of pigeon droppings are known to harbor diseases that can be transferred to humans. Furthermore, pigeon droppings are corrosive and can lead to damage to the facilities.

WS recommends keeping roll-up doors closed as much as possible or installing barriers which will help prevent birds from entering the facility. WS observed high numbers of starlings flying into all open bay doors to access the interior of the facility. The most widely used doors are East and West RDF and doors facing the west side of the facility.

WS recommends continued live trapping of raccoons, opossums, skunks, and other medium and small mammals that occur within the facility as the need arises. These mammal species can carry a variety of diseases that are transmittable to humans. WS recommends that MIRA either hire a private nuisance wildlife control operator or pest control operator to manage woodchucks and other rodents. Alternatively, WS can provide technical assistance so MIRA staff can manage woodchucks and other rodents without outside assistance. WS also recommends that stray and feral cats on the facility either be turned over to licensed animal shelters or provided veterinary care to include stray/neuter and vaccination.

WS would like to thank MIRA and NAES for allowing WS to conduct operational control at the Connecticut Solid Waste System Facility. WS looks forward to working with MIRA in the future to reduce wildlife conflicts and development of more effective management techniques.

Appendix 1

Dolbeer, R. A., M. J. Begier, P.R. Miller, J. R. Weller, and A. L. Anderson. 2021. Wildlife Strikes to Civil Aircraft in the United States, 1990-2020, Serial Report Number 27. U.S. Department of Transportation, Federal Aviation Administration, Office of Airport Safety and Standards, Airport Safety and Certification, Washington, D.C., USA.

Dolbeer, R.A., S.E. Wright, and E.C. Cleary. 2000. Ranking the hazard level of wildlife species to aviation. *Wildlife Society Bulletin* 28:372-378.

Appendix 2

12/22/21, 11:10 AM

Federal Permit PER0029876



DEPREDAATION

Permit Number: MB826758

Version Number: 1

Effective: 2022-01-01 **Expires:**
2022-12-31

Issuing Office:

Department of the Interior
U.S. FISH AND WILDLIFE SERVICE
MB Hadley Permit Office
300 Westgate Center Drive
Hadley, Massachusetts 01035-0779
permitsR5MB@fws.gov
Tel: 413-253-8643

ARTHUR
MCCOLLUM
Acting Permit Chief

Digitally signed by
ARTHUR MCCOLLUM
Date: 2021.12.22
11:16:47 -05'00'

Permittee:

MATERIAL INNOVATION AND
RECYCLING AUTHORITY
200 CORPORATE PLACE SUITE 202
ROCKY HILL, CT 06067
US

Authority: Statutes and Regulations: 16 U.S.C 703-712 50 CFR Part 13, 50 CFR 21.41

Location where authorized activity may be conducted:

Mid-Connecticut Project RDF Trash-to-Energy Facility, 300 Maxim Road, Hartford, CT and
Regional Recycling Center, 211 Murphy Road, Hartford, CT

Reporting requirements:

You must submit a report to your Regional Migratory Bird Permit Office, even if you had no activity. Report form is at: www.fws.gov/forms/3-202-9.pdf.



DEPREDTATION

Permit Number: MB826758

Version Number: 1

Effective: 2022-01-01 Expires:
2022-12-31**Authorizations and Conditions:**

A. You are authorized to take up to:

(1) TWENTY (20) EACH: Herring gulls, Great black-backed gulls, Ring-billed gulls;

(2) FIVE (5) EACH: Glaucous gulls, Icelandic gulls, Laughing gulls, Lesser black-backed gulls;

and **MUST** destroy carcasses. Lethal take is not to be the primary means of control. Active hazing, harassment or other non-lethal techniques must continue in conjunction with any lethal take of migratory birds.

B. You may use the following method(s) of take: Shotgun, in accordance with Standard Condition #6, firearms, nets; live trapping followed by euthanasia. Use of paint ball guns is prohibited.

C. Anyone who takes birds under the authority of this permit must follow the American Veterinary Medical Association Guidelines on Euthanasia (<https://www.avma.org/resources-tools/avma-policies/avma-guidelines-euthanasia-animals>).

D. The following subpermittees are authorized: Employees of USDA Wildlife Services. In addition, any other person who is (1) employed by or under contract to you for the activities specified in this permit, or (2) otherwise designated a subpermittee by you in writing, may exercise the authority of this permit.

E. You and any subpermittees must comply with the below Standard Conditions.

State Restrictions: No species may be taken which is State listed as Endangered, Threatened or Special Concern without prior authorization from the Connecticut Department of Environmental Protection Commissioner Tel: (860) 424-3011. Included on the State list, among other species, are Peregrine falcon, Short-eared owl, Northern harrier, Upland sandpiper and Grasshopper sparrow.**These standard conditions are a continuation of your permit conditions and must remain with your permit. These standard conditions are nationwide and may not be modified for individual permits.**



DEPREDAATION

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1. All of the provisions and conditions of the governing regulations at 50 CFR part 13 and 50 CFR part 21.41 are conditions of your permit. Failure to comply with the conditions of your permit could be cause for suspension of the permit. If you have questions regarding these conditions, refer to the regulations or, if necessary, contact your migratory bird permit issuing office. For copies of the regulations and forms, or to obtain contact information for your issuing office, go to www.fws.gov/epermits, search for your permit type, then scroll to the bottom of the information page to find all related pdf forms.
2. General conditions set out in Subpart B of 50 CFR 13, and specific conditions contained in Federal regulations cited above, are hereby made a part of this permit. All activities authorized herein must be carried out in accord with and for the purposes described in the application submitted. Continued validity, or renewal of this permit is subject to complete and timely compliance with all applicable conditions, including the filing of all required information and reports.
3. The validity of this permit is also conditioned upon strict observance of all applicable foreign, state, local tribal, or other federal law.
4. Valid for use by permittee named above.
5. To minimize the lethal take of migratory birds, you are required to continually apply non-lethal methods of harassment in conjunction with lethal control. Note: Explosive Pest Control Devices (EPCDs) are regulated by the Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF). If you plan to use EPCDs, you require a Federal explosives permit, unless you are exempt under 27 CFR 555.141. Information and contacts may be found at <https://www.atf.gov/explosives>.
6. Shotguns used to take migratory birds can be no larger than 10-gauge and must be fired from the shoulder. You must use nontoxic shot listed in 50 CFR 20.21(j).
7. You may not use blinds, pits, or other means of concealment, decoys, duck calls, or other devices to lure or entice migratory birds into gun range.
8. You are not authorized to take, capture, harass, or disturb bald eagles or golden eagles, or species listed as threatened or endangered under the Endangered Species Act found in 50 CFR 17, without additional authorization. For a list of threatened and endangered species in your state, visit the U.S. Fish and Wildlife Service's Threatened and Endangered Species System (TESS) at: <http://www.fws.gov/endangered>.



DEPREDDATION

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9. If you encounter a migratory bird with a Federal band issued by the U.S. Geological Survey Bird Banding Laboratory, Laurel, MD, report the band number to <http://www.reportband.gov>.
10. This permit does not authorize take or release of any migratory birds, nests, or eggs on Federal lands without additional prior written authorization from the applicable Federal agency, or on State lands or other public or private property without prior written permission or permits from the landowner or custodian.
11. Unless otherwise specified on the face of the permit, migratory birds, nests, or eggs taken under this permit must be:
- turned over to the U.S. Department of Agriculture for official purposes, or
 - donated to a public educational or scientific institution as defined by 50 CFR 10, or
 - completely destroyed by burial or incineration, or
 - with prior approval from the permit issuing office, donated to persons authorized by permit or regulation to possess them.
12. A subpermittee is an individual to whom you have provided written authorization to conduct some or all of the permitted activities in your absence. Subpermittees must be at least 18 years of age. As the permittee, you are legally responsible for ensuring that your subpermittees are adequately trained and adhere to the terms of your permit. You are responsible for maintaining current records of who you have designated as a subpermittee, including copies of designation letters you have provided.
13. You and any subpermittees must carry a legible copy of this permit, including these Standard Conditions, and display it upon request whenever you are exercising its authority.
14. You must maintain records as required in 50 CFR 13.46 and 50 CFR 21.41. All records relating to the permitted activities must be kept at the location indicated in writing by you to the migratory bird permit issuing office.
15. Acceptance of this permit authorizes the U.S. Fish and Wildlife Service to inspect any wildlife held, and to audit or copy any permits, books, or records required to be kept by the permit and governing regulations.
16. You may not conduct the activities authorized by this permit if doing so would violate the laws of the applicable State, county, municipal or tribal government or any other applicable law.



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For suspected illegal activity, immediately contact USFWS Law Enforcement 1-844-FWS-TIPS (397-8477)

<https://www.fws.gov/le/regional-law-enforcement-offices.html>

TAB E

FISCAL YEAR 2022 LEGAL REQUEST FOR SERVICES

FOR PERIOD ENDING 3/31/22

LEGAL FIRM	Matter	Board Approval	PO Number	PO Amount	FY22 expenses paid from FY22 PO	FY21 expenses paid from FY22 PO	FY22 accrued estimates	FY21 expenses Paid from FY21 PO (not accrued in FY21)	FY21 over/under accrual, Refunds received etc.	Total per General Ledger
Cohn Birnbaum & Shea	South Meadows Exit Strategy Hillington									
Total Cohn Birnbaum & Shea		\$10,000.00		\$ -	\$ -	\$ -	\$ -	\$ -	(2,000)	\$ (2,000)
Day Pitney	NPDES Permitting Support									
Total Day Pitney		\$0.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Halloran & Sage	GC - Authority Budget		PO#14568 PO#14826	25,000 25,000	25,000 7,834		19,839		(7,080)	17,921 27,672
	Property Division		PO#14530	5,000						
	CSWS		PO#14532 PO#14825	25,000 \$75,000	25,000 50,261		11,000		(2,990)	22,010 61,261
	NAES		PO#14594	60,000						
	NAES - from reserve account		PO#14687	300,000	85,477		2,587			88,064
	Landfill Division		PO#14529	5,000						
	MidCT									
Beginning Halloran & Sage		\$715,000.00		\$ 520,000	\$ 193,572	\$ -	\$ 33,425	\$ -	\$ (10,069)	\$ 216,927
Kainen, Escalera & McHale	Employment		PO#14531	15,000	7,467	237			(237)	7,467
Total Kainen, Escalera & McHale		\$25,000.00		\$ 15,000	\$ 7,467	\$ 237	\$ -	\$ -	\$ (237)	\$ 7,467
Melick & Porter	Tremont									
Total Melick & Porter		\$750,000.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS:				\$ 535,000	\$ 201,039	\$ 237	\$ 33,425	\$ -	\$ (12,306)	\$ 222,394

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

9/22/21 BOD approved \$400,000 for Halloran & Sage
 \$300,000 of which is to be used for NAES litigation and can be taken from CSWS' Legal Reserve
 2/23/22 BOD approved \$175,000 for Halloran & Sage