



MEMORANDUM

TO: MIRA Board of Directors
FROM: Donald S. Stein, Chairman
DATE: January 13, 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, January 19, 2022 at 9:30 a.m.*

Members of the public may attend the meeting in person in the board room at MIRA headquarters (masks required), or may attend the meeting telephonically by calling (929) 205-6099, entering Meeting ID: 881 1576 7082, and entering Passcode: 115549# 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 December 8, 2021 Regular Board Meeting (*Attachment 1*).
- IV. Review and Approve – Minutes of the December 20, 2021 Special Board Meeting (*Attachment 2*).
- V. Finance Committee Report
 - a. Review and Recommend a Resolution Regarding the Purchase of a Spare Jet Engine Using Funds from the Jets Major Maintenance Reserve (*Attachment 3*).
- VI. Policies and Procurement Committee – No Report
- VII. OS & HR Committee – No Report
- VIII. Chairman's and President's Report
 - a. Attached Supplemental Information / Other Matters
- IX. Board Action will be sought for a Resolution Regarding Ratification of an Emergency Procurement for repairs to the Torrington Transfer Station Tip Floor (*Attachment 4*).

- X. Review and Recommend a Resolution to Regarding Approval of Spot Waste Solicitations Conducted in October and December 2021 (*Attachment 5*).
- XI. Executive Session to discuss:
 - a. Pending RFPs and Feasibility Estimates and Evaluations relative to prospective public supply contracts, including MIRA RFP's and prospective contracts for Connecticut Solid Waste System transfer facilities, transportation and disposal of acceptable solid waste at alternate disposal facilities and operation of MIRA's Jets and the potential impact of same upon MIRA operating and capital budgets and its Municipal Service Agreements.

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND THIRTY-NINE

DECEMBER 8, 2021

A Regular Telephonic (Zoom) Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Wednesday, December 8, 2021. Present via audio or video conferencing were:

Appointed Directors:

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

Present from MIRA:

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

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:48 a.m. and said that a quorum was present. He said that there is some confusion with the Governor's board appointments, resulting in uncertainty regarding incumbent and new members. To ensure legitimate board votes, the members in question should not vote until the uncertainty is resolved.

Chairman Stein noted that there are several new board appointments, and at his request, all board members – old and new – introduced themselves.

PUBLIC PORTION

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

1. Approval of the Minutes of the November 10, 2021 Regular Board Meeting.

Chairman Stein requested a motion to accept the minutes of the November 10, 2021 Board meeting. The motion to approve the minutes was made by Director Fortuna and seconded by Director Hunter.

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

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

	Aye	Nay	Abstain

2. Approval of the Minutes of the November 29, 2021 Special Board Meeting.

Chairman Stein requested a motion to accept the minutes of the November 29, 2021 Board meeting. The motion to approve the minutes was made by Director Fortuna and seconded by Director Assard.

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

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

3. Finance Committee Report

At Director Hunter's request, for the benefit of the new board members, Mr. Daley provided a summary of the Board of Director's Financial Report and major trends.

4. President's Report.

President Kirk reported on the operational and financial status of the CSWS for the period ending October 31, 2021, including higher than average power prices during the month.

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

Chairman Stein tabled this matter.

6. Executive Session.

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

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

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

Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		

Executive Session began at 10:15 and ended at 11:53. Chairman Stein noted that no motions were made and no votes were taken in Executive Session, and adjourned the meeting.

TAB 2

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND FORTY

December 20, 2021

A Special Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Monday, December 20, 2021. Present via video or audio conferencing were:

Directors:

Chairman Stein
Vice Chairman Jim Hayden
Carl Fortuna, Jr.
Susan Weisselberg
Bert Hunter
Leonard Assard
Ed Mone
Dave Steuber
Richard Soderman
Tom Swarr

Present from MIRA:

Tom Kirk, President
Mark Daley, Chief Financial Officer
Laurie Hunt, Director of Legal Services
Peter Egan, Director of Operations and Environmental Affairs
Thomas Gaffey, Director of Recycling & Enforcement
Cheryl Kaminsky, Manager of Accounting and Financial Reporting
Roger Guzowski, Contract and Procurement Manager

Others Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:32 p.m. and said that a quorum was present. He requested a moment of silence in memory of former Director Ed Bailey.

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. Mr. Jonathan Murray, Director of Operations for Murphy Road Recycling LLC, addressed the board. He objected to the absence of board memos related to the items on the meeting agenda, and protested that MMR had not been invited to discuss its proposal for O&M of MIRA's transfer stations.

As there were no other members of the public who wished to address the Board, the meeting commenced.

1. EXECUTIVE SESSION

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

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

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

Richard Soderman	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		

Executive Session began at 9:44 and ended at 11:39, and public meeting resumed. Chairman Stein noted that no motions were made and no votes were taken in Executive Session.

2. Resolution Regarding an Amendment to the Municipal Service Agreements.

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

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

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

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

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

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

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

WHEREAS: after considering such evaluation criteria, MIRA determined that there are significant pricing, market and economic advantages to be realized by amending the Municipal Service Agreement Opt Out clauses and has provided such an amendment to the Board and the CSWS Participating Municipalities (the "MSA Amendment") in draft pending incorporation of final disposal fee values, the execution of which by CSWS Participating Municipalities is a condition to final execution of certain contract awards recommended herein.

Now therefore be it:

RESOLVED: That the Board of Directors authorizes the President to incorporate final disposal fee values and enter into the MSA Amendment with all CSWS Participating Municipalities substantially as discussed and presented at this meeting.

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Hayden	X		

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

3. **Resolution Regarding Notices of Awards Relating to the Torrington and Watertown Transfer Stations.**

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

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

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

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

transportation services, optional facility capacity sharing arrangements and an optional facility development amendment; and

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

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

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

WHEREAS: On August 25, 2021, Enviro Express submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Torrington and Watertown Transfer Stations and on September 20, 2021 Enviro Express submitted a proposal to MIRA for the Operation and Maintenance of the Torrington and Watertown Transfer Stations and the disposal of municipal solid waste transported to these transfer stations; and

WHEREAS: The President and MIRA staff have reviewed the proposal submitted by Enviro Express and the President is recommending to the Board that a Notice of Award be issued to Enviro Express on the terms and conditions set forth herein for the operation of the Torrington and Watertown transfer stations and the transportation and disposal of such municipal solid waste and further negotiations occur on the terms and conditions of this Resolution; and

Now therefore be it:

RESOLVED: That the Board of Directors authorizes the President to issue a "Notice of Award" as set forth in the Request for Proposals based upon the proposals received from Enviro Express dated August 25, 2021 and September 20, 2021, as substantially as presented and discussed at this meeting, and with certain limitations and conditions:

- (1) That the President negotiates the terms and conditions of final agreement(s) 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, ii) Transportation and Disposal of Municipal Solid Waste from the Torrington Transfer Station to the Keystone Sanitary Landfill in Dunmore PA, iii) the fixed cost Operation and Maintenance of the Watertown Transfer Station with optional recycling transportation and capacity sharing arrangement, vi) Transportation and Disposal of Municipal Solid Waste from the Watertown 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; and
- (2) That upon meeting or exceeding the relevant Threshold Deliveries as defined in the MSA Amendment separately authorized by this Board at this meeting, as determined by MIRA, the President present to the Board for its review, consideration and approval, a final agreement that is acceptable to the President and complies with Chapter 446e of the Connecticut General Statutes; and
- (3) That the Notice of Award to Enviro Express may be revoked in the event that no final agreement is presented to or approved by the Board.

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

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

Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr	X		

4. Resolution Regarding Notices of Awards Relating to the Essex Transfer Station.

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

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

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

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

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

WHEREAS: MIRA received proposals for the Operation, Maintenance and Optional Redevelopment of the Connecticut Solid Waste System Transfer Stations from six proposing

entities offering operation, maintenance and / or redevelopment services for the Torrington, Watertown and Essex Transfer Stations and the Waste to Energy Facility; and

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

WHEREAS: On August 25, 2021, Covanta Sustainable Solutions LLC submitted a proposal to MIRA for the disposal of municipal solid waste at its Waste to Energy facility located in Preston CT and CWPM LLC submitted a proposal to MIRA for the transportation and disposal of municipal solid waste from the Essex Transfer Station, and on September 20, 2021 CWPM LLC submitted a proposal to MIRA for the Operation and Maintenance of the Essex Transfer Station; and

WHEREAS: The President and MIRA staff have reviewed the proposals submitted by Covanta Sustainable Solutions LLC and CWPM LLC and the President is recommending to the Board that a Notice of Award be issued to Covanta Sustainable Solutions LLC and CWPM LLC on the terms and conditions set forth herein for the operation of the Essex Transfer Station and the transportation and disposal of such municipal solid waste and further negotiations occur on the terms and conditions of this Resolution; and

Now therefore be it:

RESOLVED: That the Board of Directors authorizes the President to issue a "Notice of Award" as set forth in the Request for Proposals based upon the proposals received from Covanta Sustainable Solutions LLC and CWPM LLC dated August 25, 2021 and September 20, 2021, substantially as presented and discussed at this meeting, and with certain limitations and conditions:

- (1) That the President negotiates the terms and conditions of final agreement(s) with CWPM LLC, including but not limited to accepting, rejecting or modifying any business exceptions set forth in the CWPM LLC proposals as determined by the President to be necessary or appropriate, and providing for i) the fixed cost Operation and Maintenance of the Essex Transfer Station with optional recycling transportation, and ii) Transportation of Municipal Solid Waste from the Essex Transfer Station to the Covanta Waste to Energy Facility in Preston CT; and

- (2) That the President negotiates the terms and conditions of a final agreement with Covanta Sustainable Solutions LLC, including but not limited to accepting, rejecting or modifying any business exceptions set forth in the Covanta Sustainable Solutions LLC proposal as determined by the President to be necessary or appropriate, and providing for i) the disposal of municipal solid waste at its Waste to Energy facility located in Preston CT; and
- (3) That upon meeting or exceeding the relevant Threshold Deliveries as defined in the MSA Amendment separately authorized by this Board at this meeting as determined by MIRA, the President present to the Board for its review, consideration and approval, final agreement(s) that are acceptable to the President and comply with Chapter 446e of the Connecticut General Statutes; and
- (4) That the Notice of Award to each of Covanta Sustainable Solutions LLC and CWPM LLC may be revoked in the event that no final agreement is presented to or approved by the Board.

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

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

5. **Resolution Regarding a Notice of Award for the Transportation and Disposal of Municipal Solid Waste.**

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

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

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

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

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

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

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

WHEREAS: On August 25, 2021, MRR together with WIN submitted a Proposal in response to MIRA's aforementioned Request for Proposals issued on May 14, 2021 for the transportation and disposal of municipal solid waste from i) the Torrington Transfer Station, ii) the Watertown Transfer Station and iii) MRR's transfer station located at 123 / 143 Murphy Road; and

WHEREAS: The President and MIRA staff have reviewed the Proposal submitted by MRR and WIN and the President is recommending to the Board that a Notice of Award be issued to MRR and WIN and further negotiations occur on the terms and conditions of this Resolution.

Now therefore be it:

RESOLVED: That the Board of Directors authorizes the President to issue a "Notice of Award" as set forth in the Request for Proposals based upon the proposal received jointly from MRR and WIN dated August 25, 2021, for only transportation and disposal of municipal solid waste from MRR's transfer station located at 123 / 143 Murphy Road, Hartford, substantially as presented and discussed at this meeting, and with certain limitations and conditions:

- (1) That all MSW generated in "Tier 1" Participating Municipalities and currently delivered direct to the CSWS Waste to Energy Facility will be delivered to the Murphy Road Recycling Transfer Station located at 123 / 143 Murphy Road, Hartford CT for transfer by rail to the WIN Tunnel Hill Reclamation Landfill in New Lexington, Ohio and the WIN Sunny Farms Landfill in Fostoria, Ohio; and
- (2) That the President shall negotiate the terms and conditions of a final agreement between MIRA, MRR and WIN, including but not limited to accepting, rejecting or modifying the business exceptions set forth in the MRR/WIN proposal as determined by the President to be necessary or appropriate; and
- (3) That the President present to the Board for its review, consideration and approval, a final agreement that is acceptable to the President and complies with Chapter 446e of the Connecticut General Statutes, together with an opinion of legal counsel that such agreement complies with Chapter 446e; and

- (4) That the Notice of Award may be revoked in the event that no final agreement is presented to or approved by the Board.

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

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

Director Hunter, who had left the meeting at 11:30 due to a prior commitment, returned in time to vote on the resolution. He noted for the record that he would have voted “Aye” on all three of the preceding items had he been present.

6. Adjournment.

Chairman Stein wished happy holidays to everyone, and adjourned the meeting at 11:51 a.m.

TAB 3

**RESOLUTION REGARDING THE USE OF RESERVE FUNDS
FROM THE MIRA JETS MAJOR MAINTENANCE RESERVE TO
FUND THE PURCHASE, BY NAES CORPORATION, OF A JET
ENGINE TO BE USED AS A SPARE UNIT FOR THE JET TURBINE
FACILITY AT THE SOUTH MEADOWS SITE**

RESOLVED: That the MIRA Board of Directors authorizes the use of \$168,000 from the Jets Major Maintenance Reserve for purchase, by NAES Corporation, of a jet engine which will serve as a spare unit at the South Meadows Jet Turbine Facility, substantially as presented and discussed at this meeting.

Materials Innovation and Recycling Authority

Use of funds from the Jets Major Maintenance Reserve to fund the purchase by NAES Corporation of a Jet Engine to serve as a spare unit at MIRA's South Meadows Jet Turbine Facility

Presented to the MIRA Board on:	January 19, 2022
Vendor:	NAES Corporation
Effective date:	Upon approval of funding
Contract:	Agreement with NAES Corporation for operation and maintenance of the South Meadows Jet Turbine Facility.
Facility Affected:	South Meadows Site
Amount of Funding:	\$168,000
Source of Funding:	Jets Major Maintenance Reserve
Other Pertinent Information:	<p>This is to fund the purchase, by NAES Corporation, of a jet engine to serve as a spare unit at MIRA's Jet Turbine Facility. The engine which was located in Slot 12B failed on August 24, 2021, and was subsequently removed and replaced with a spare unit on August 31, 2021. Purchase of a jet engine to replace the spare that was used on August 31 will be funded from the Jets Major Maintenance Reserve. Solicitation for and purchase of the jet engine is being undertaken by NAES Corporation in accordance with its procurement procedures and pursuant to the agreement between NAES and MIRA.</p>

Materials Innovation and Recycling Authority

Use of Funds from the Jets Major Maintenance Reserve for Purchase of a Jet Engine as a Spare Unit at MIRA's South Meadows Jet Turbine Facility

January 19, 2022

Executive Summary

This is to request that the Board of Directors authorize the use of \$168,000 from the Jets Major Maintenance Reserve to fund the purchase by NAES Corporation of a jet engine to serve as a spare unit at the Jet Turbine Facility. This jet engine can be used as a spare in any of the eight slots associated with the four jet turbine twin-pack assemblies.

Discussion

On August 24, 2021 during operation of the unit #12 jet turbine twin-pack assembly the jet engine located in slot 12B experienced elevated vibration issues and was taken out of service. Preliminary diagnosis determined that the vibration was occurring in the post-combustion section of the jet engine. This engine was removed from the twin-pack assembly and the spare engine was installed. The unit was put back in service on August 31, 2021. No additional diagnosis of the vibration problem was conducted at that time.

In accordance with its purchasing procedures, NAES Corporation solicited for and received three quotations to replace the failed unit with a rebuilt unit, as summarized below. NAES recommends contracting with Power Control Services & Electric, Inc. to purchase a rebuilt unit. MIRA management concurs with this recommendation.

Power Control Services & Electric, Inc., Westfield, MA	\$168,000, plus exchange of the failed engine. This vendor <u>does not</u> require that the failed engine be serviceable. One year warranty provided.
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Wood Group Pratt & Whitney Industrial Turbine Services, LLC, Bloomfield, CT	\$198,000, plus exchange of the failed engine. Assumes the exchanged engine is serviceable. Price increases to \$485,000 if the exchanged engine is not serviceable. Serviceability to be determined by vendor.
Worldwide Turbines, LLC, Boca Raton, FL	\$175,000, plus exchange of the failed engine. Assumes the exchanged engine is serviceable. Price increases to \$245,000 if the exchanged engine is not serviceable. Serviceability to be determined by vendor. No warranty provided.

Power Control Systems & Electric, Inc. (PCS&E) quoted a lump sum cost of \$168,000 for a rebuilt unit, and requires that the failed unit be exchanged as part of the purchase price. PCS&E does not require that the failed unit be serviceable. This price includes all external accessories (e.g., pressurizing/dump fuel valve assembly, ignitor box assembly, combustion chambers, oil lines) necessary for proper operation. PCS&E will provide a one year warranty.

Wood Group Pratt & Whitney Industrial Turbine Services, LLC (WGPW) quoted a lump sum cost of \$198,000 for a rebuilt unit, and also requires that the failed unit be exchanged as part of the purchase price. However, this vendor will require an additional \$287,000 in the event that the failed unit is found to be unserviceable. In this case, WGPW would make the determination as to whether or not the engine is serviceable following disassembly and inspection. This price includes all external accessories (e.g., pressurizing/dump fuel valve assembly, ignitor box assembly, combustion chambers, oil lines) necessary for proper operation. This vendor provides a one year warranty.

Worldwide Turbines, LLC (WWT) has quoted an estimate of \$175,000 for a rebuilt unit, and also requires that the failed unit be exchanged as part of the purchase price. This vendor will require an additional \$70,000 in the event that the failed unit is found to be unserviceable. In this case, WWT would make the determination as to whether or not the engine is serviceable following disassembly and inspection. This price does not include all external accessories, nor does WWT provide a warranty.

MIRA management concurs with NAES's recommendation to purchase a rebuilt jet engine from Power Control Systems & Electric, Inc., and is requesting authorization for use of \$168,000 from the Jets Major Maintenance Reserve to fund the purchase. The

purchase will be made by NAES, in accordance with its purchasing procedures and pursuant to the agreement between MIRA and NAES.

Financial Summary

Purchase of a spare jet engine was not contemplated when the FY 2022 major maintenance/capital budget for the Property Division's Jet Turbine Facility was developed last year. There is currently \$964,000 in the Jets Major Maintenance Reserve available for funding this expenditure.

TAB 4

RESOLUTION REGARDING RATIFICATION OF EMERGENCY PROCUREMENT

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

Emergency Procurement Contracts

January 19, 2022

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

2.2.12 “Emergency Situation”

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

5.10 Emergency Procurements

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

Emergency Procurement Summary

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

Memorandum

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

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

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

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

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

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

November 15, 2021

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

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

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

Thank you,

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

Thomas D. Kirk
President, Duly Authorized

TAB 5

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

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

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

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

FURTHER RESOLVED: that the President is authorized to select three Spot Waste delivery offers from A J Waste Systems LLC for delivery of MSW to the CSWS Resources Recovery Facility, substantially as presented and discussed at this meeting.

Materials Innovation & Recycling Authority

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

Presented to the MIRA Board on:	January 19, 2022
Vendor/ Contractor(s):	Paine's Inc.
Effective date:	October 26, 2021
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 600 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (2 separate bids):	October 26, 2021 to November 23, 2021; December 21, 2021 to January 28, 2022
Contract Dollar Value:	Approximately \$51,600. (243.41 tons @ \$85.50/ton; and approximately 360 tons of MSW @ \$85.50 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 600 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	None

Materials Innovation & Recycling Authority

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

Presented to the MIRA Board on:	January 19, 2022
Vendor/ Contractor(s):	CWPM LLC
Effective date:	October 20, 2021
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of 1,891.20 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (2 separate bids):	October 20, 2021 to October 26, 2021; October 27 to November 23, 2021
Contract Dollar Value:	\$154,109.25. (922.05 tons @ \$82.00 per ton, and 969.15 tons @ \$81.00 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of 1,891.20 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	None

Materials Innovation & Recycling Authority

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

Presented to the MIRA Board on:	January 19, 2022
Vendor/ Contractor(s):	A J Waste Systems LLC
Effective date:	October 20, 2021
Contract Type/Subject matter:	Market Driven Purchase: Spot Disposal Capacity Sale of approximately 1,160 tons of MSW
Facility Affected:	CSWS Resources Recovery Facility
Term (3 separate bids):	October 20, 2021 to October 26, 2021; October 27, 2021 to November 23, 2021; December 21, 2021 to January 28, 2022
Contract Dollar Value:	Approximately \$94,640. (102.20 tons @ \$82.00 per ton; 464.98 tons @ \$81.00 per ton; and approximately 600 tons @ \$81.00 per ton)
Amendment(s):	None
Term Extensions:	Not applicable
Scope of Services:	Delivery of approximately 1,160 tons of MSW to the CSWS Resources Recovery Facility
Other Pertinent Provisions:	None

Materials Innovation & Recycling Authority

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

January 19, 2022

Executive Summary

Due to low MSW inventory levels at the CSWS Resource Recovery Facility (RRF) in October 2021 and again in December 2021, and forecasted deliveries of MSW that were considered insufficient for the desired optimal operation of the RRF, particularly considering the need to operate all three boilers for several days in mid-October in order to perform annual air emission testing, and the elevated prices in the New England wholesale electric power market available during this time period, MIRA recently conducted several Spot Disposal Capacity Solicitation and Sale in accordance with Internal Management Procedure No. 140 (Spot Waste Procedure).

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

Discussion

October 19th Solicitation

Considering the MSW inventory at the WPF in mid-October, and the forecasted need for additional MSW to insure optimal operation of the PBF, including the potential need to operate all three boilers for several days during annual air emissions testing activities in October, MIRA solicited for 1,000 tons per week of spot waste on October 19, 2021 for a period of one week. MIRA set a price floor of \$82.00 per ton. MIRA emailed all known potential customers a solicitation for Spot Waste in accordance with the Spot Waste Procedure and obtained the offers shown in Table 1.

MIRA's Spot Waste Evaluation Team reviewed the response to the solicitation and made a recommendation to MIRA's President that MIRA accept the tonnage and price offered by CWPM and AJ's Waste Systems. MIRA's President agreed with the recommendations of the Evaluation Team and both offers were accepted.

MIRA accepted a total of 1,100 tons per week for one week at a price of \$82.00 per ton from both companies. Table 1 shows the hauler, the number of tons per week offered, each hauler's offer price, and the actual quantity of tons delivered by each hauler.

TABLE 1			
Market Driven Sale - Spot Waste Capacity – October 19, 2021			
Solicitation Results			
Customer	Bid	Price per Ton	Total Tons Delivered
CWPM	1,000 tons per week – 1 week	\$82.00	922.05
AJ's Waste Systems	100 Tons per week – 1 week	\$82.00	102.20

October 26, 2021 Solicitation

Again, considering the MSW inventory at the WPF in late October, and the forecasted need for additional MSW to insure optimal operation of the PBF, MIRA's management team decided to solicit for an additional 2,000 tons per week of spot waste on October 26, 2021 for a period of four weeks. MIRA set a price floor of \$81.00 per ton. MIRA emailed all known potential customers a solicitation for Spot Waste in accordance with the Spot Waste Procedure and obtained the offers shown in Table 2.

MIRA's Spot Waste Evaluation Team reviewed the responses to the solicitation and made a recommendation to MIRA's President that MIRA accept all of the offers by all respondents to the solicitation, as presented in Table 2. MIRA's President agreed with the recommendations of the Evaluation Team and all offers were accepted.

MIRA accepted all spot waste offers for a total of 695 tons per week for four weeks. Table 2 shows the hauler, the number of tons per week offered, each hauler's offer price, and the actual quantity of tons delivered by each hauler.

TABLE 2			
Market Driven Sale - Spot Waste Capacity – October 26, 2021			
Solicitation Results			
Customer	Bid	Price per Ton	Total Tons Delivered
Paine's	54.5 Tons per week – 4 weeks	\$85.50	243.41
CWPM	500 Tons per week – 2 weeks	\$81.00	969.15
AJ's Waste Systems	140 Tons per week – 4 weeks	\$81.00	464.98

December 15, 2021 Solicitation

Again, considering the MSW inventory at the WPF in mid-December, and the forecasted need for additional MSW to insure optimal operation of the PBF, MIRA's management team decided to solicit for an additional 1,500 tons per week of spot waste on December 15, 2021 for a period of six weeks. MIRA set a price floor of \$81.00 per ton. MIRA emailed all known potential customers a solicitation for Spot Waste in accordance with the Spot Waste Procedure and obtained the offers shown in Table 3.

MIRA's Spot Waste Evaluation Team reviewed the responses to the solicitation and made a recommendation to MIRA's President that MIRA accept all of the offers by all respondents to the solicitation, as presented in Table 3. MIRA's President agreed with the recommendations of the Evaluation Team and all offers were accepted.

MIRA accepted all spot waste offers for a total of 210 tons per week, for six weeks. Table 3 shows the hauler, the number of tons per week offered, and each hauler's offer price.

TABLE 3		
Market Driven Sale - Spot Waste Capacity – December 15, 2021		
Solicitation Results		
Customer	Bid	Price per Ton
Paine's	60 Tons per week – 6 weeks	\$85.50
AJ's Waste Systems	150 Tons per week – 6 weeks	\$81.00

Financial Summary

October 19, 2021 Solicitation

The total revenue generated for acceptance of 1,024.25 tons of spot waste at \$82.00 per ton was \$83,988.50.

October 26, 2021 Solicitation

The total revenue generated for acceptance of 1,677.54 tons of spot waste, 243.41 tons at \$85.50 per ton, and 1,434.13 tons at \$82.00 per ton, was \$138,410.21.

December 15, 2021 Solicitation

The total revenue projected to be generated for the spot waste received from the December 15, 2021 solicitation is expected to be approximately \$103,680.00.



Materials Innovation and Recycling Authority
Regular Board of Directors Meeting
Supplemental Information
January 19, 2022

I. Finance

1. Informational Reports for the period ending November 30, 2021 (***Attachment A***).

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

II. Summary of Project Activities

1. An update is provided on each project's monthly operations for the period ending November 30, 2021 (***Attachment B***).
2. An update is provided on waste deliveries to the CSWS project for the period ending November 30, 2021 (***Attachment C***).

III. Communications

1. Legal Expenditure Report for the period ending November 30, 2021 (***Attachment D***).

TAB A

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

As indicated in this report, operating revenues for November totaled \$5.44 million (10.5% above budget). The deficit in Member Town waste deliveries was more than offset by Non Participating Town deliveries while electricity sales revenue remained strong. Year to date operating revenues are 9.8% above budget. Total accrued expenditures for November were \$3.95 million (36.9% below budget) reflecting current savings in NAES contract operating charges in part due to postponed major maintenance. Accrued expenses include operation of the Recycling Facility as a recycling transfer operation, as well as transportation and disposal of pre-combustion ferrous metals, both of which also came in well under budget. Year to date accrued expenditures are 16.7% under budget. Year to date the CSWS has generated operating income of \$5.07 million which is \$7.28 million above budget.

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

As indicated in this report, the CSWS total average energy price was \$0.0575 per kwh in November which is \$0.0186 per kwh (47.9%) above budget. Year to date energy price is 36.9% above budget. The CSWS generated 18.37 million Kwh of energy in November which was 2.11 million Kwh (10.3%) below budget. The plant ran at full capacity for 2 out of 30 days. Overall boiler availability was 52.4%. Boiler 11 was off line for 176.89 hours (75.4% availability) for atomizer issues and for two "Cold Iron" events. The first event was caused by a blow out of the main steam stop valve and lasted one day. The second event was scheduled for multiple valve repairs and building structural repairs and extended for two and a half days. Boiler 12 was off line for 673.20 hours (6.5% availability) initially for a tube leak, but also for a UT survey of its super heaters which extended for eight days, due to low fuel inventory and to accommodate the two Cold Iron events. Boiler 13 was off line for 178.23 hours (75.2% availability) for distribution spout and bag house repairs and to accommodate the Cold Iron events. Turbine 5 was off line during eleven days due to lack of boiler availability and the Cold Iron events. Turbine 6 was off line during four days for these same reasons. On a year to date basis, in comparison to this period of fiscal year 2021, energy price is up 99.6%, production is down 3.2% and revenue is up 93.2%.

CSWS Solid Waste Summary - This report reflects the budget versus actual MSW tons delivered, revenue and price per ton for member towns, other contracts, waste haulers and spot.

November deliveries totaled 41,237 tons which is 3,172 tons (8.3%) above budget. Member town deliveries were 2,579 tons (7.5%) under budget while non-participating deliveries were 5,750 tons (158.9%) above budget. Prices for waste hauler tons averaged \$93.00 per ton in November 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 3,692 tons of other contract waste delivered in November at the rate of \$80 per ton pursuant to contracts awarded by the Authority. There was also 1,209 tons of spot waste delivered in November at an average rate of \$81.82 per ton. Price and delivery volume by contract type combine to produce total solid waste delivery revenue presently 1.3% above budget on a year to date basis.



BOARD OF DIRECTORS FINANCIAL REPORT
PERIOD ENDING **November 30, 2021**

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

As indicated in the summary report, 101.26 tons of non-participating recycling were delivered and assessed a tip fee of \$117 per ton for total revenue of \$11,847. There were no such deliveries budgeted. Operating expenses totaled \$211,792 which is 63% under budget for November primarily due to a favorable Average Commodity Rate (ACR) adjustment under the Recycling Facility operating contract. Operating expenses include transportation from the CSWS transfer stations which are detailed on the Recycling Transportation Report, Recycling Facility contract operating charges which are detailed on the Recycling Contract Operating Report, Authority direct O&M expenses and Recycling Facility residue charges. Operating expenses are 61.5% 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 November, the Authority sold 109.73 gross tons of post combustion ferrous and 9.16 gross tons of maintenance metals for total revenue of \$17,656 which was 209.3% above budget due to strong pricing and higher than budget volume of ferrous sales. Metal sales are 180.0% 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 on budget in November with deficits in real time energy sales overcome by surpluses in the capacity and reserve markets. Operating expenses were 50.3% below budget due to savings in all line items. Total operating income is 14.4% 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 November were sufficient to distribute \$633,461 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 January are \$4,550,174. CSWS cash receipts were not sufficient to execute budgeted distributions to the CSWS Operating STIF, Improvement and Major Maintenance funds causing a \$633,461 draw from the Tip Fee Stabilization Fund. After the distribution of October receipts, \$65,300,978 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 November, the Authority advanced a net amount of \$80,000 from the Major Maintenance Fund to NAES for Bag house major maintenance.

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

[Narrative](#)

CSWS Monthly Financial Report

Period Ending: **November 30, 2021**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
REVENUES								
Member Towns	\$ 3,619,647	\$ 3,349,033	\$ (270,614)	-7.5%	\$ 18,867,701	\$ 17,307,056	\$ (1,560,645)	-8.3%
Other Contracts	\$ 116,622	\$ 295,371	\$ 178,749	153.3%	\$ 583,110	\$ 980,206	\$ 397,096	68.1%
Hauler - Direct	\$ 145,854	\$ 249,207	\$ 103,354	70.9%	\$ 785,065	\$ 1,463,664	\$ 678,598	86.4%
Hauler - TS	\$ 74,032	\$ 166,317	\$ 92,286	124.7%	\$ 385,896	\$ 788,959	\$ 403,063	104.4%
Spot Waste	\$ -	\$ 98,893	\$ 98,893	n/a	\$ -	\$ 343,698	\$ 343,698	n/a
Bypass, Delivery & Other Charges	\$ -	\$ -	\$ -	n/a	\$ -	\$ 6,165	\$ 6,165	n/a
Member Service Fee	\$ 2,177	\$ 2,263	\$ 86	4.0%	\$ 11,347	\$ 11,514	\$ 167	1.5%
Metal Sales & Excess Residue	\$ 5,708	\$ 17,656	\$ 11,948	209.3%	\$ 28,542	\$ 79,931	\$ 51,389	180.0%
Bulky Waste	\$ 20,550	\$ 3,114	\$ (17,436)	-84.8%	\$ 102,750	\$ 128,666	\$ 25,916	25.2%
Recycling Facility	\$ -	\$ 11,847	\$ 11,847	n/a	\$ -	\$ 47,927	\$ 47,927	n/a
Electricity Sales	\$ 796,000	\$ 1,056,427	\$ 260,428	32.7%	\$ 3,816,288	\$ 4,985,386	\$ 1,169,098	30.6%
Other Energy Markets	\$ 141,250	\$ 189,356	\$ 48,106	34.1%	\$ 1,491,069	\$ 2,438,088	\$ 947,020	63.5%
Misc. (Interest, Fees, Other)	\$ 1,667	\$ 700	\$ (967)	-58.0%	\$ 8,935	\$ 52,953	\$ 44,018	492.7%
TOTAL ACCRUED REVENUES	\$ 4,923,506	\$ 5,440,186	\$ 516,680	10.5%	\$ 26,080,703	\$ 28,634,213	\$ 2,553,511	9.8%
EXPENDITURES								
Administrative Expenses	\$ 189,230	\$ 160,003	\$ 29,227	15.4%	\$ 1,019,281	\$ 973,944	\$ 45,337	4.4%
Operational & Contingent . Exp.	\$ 220,412	\$ 133,592	\$ 86,820	39.4%	\$ 1,158,642	\$ 902,276	\$ 256,366	22.1%
PILOTs & Fees	\$ 195,490	\$ 194,133	\$ 1,357	0.7%	\$ 995,641	\$ 992,377	\$ 3,264	0.3%
Waste Transport	\$ 986,506	\$ 875,857	\$ 110,649	11.2%	\$ 5,171,994	\$ 5,080,611	\$ 91,383	1.8%
Recycling Facility	\$ 572,932	\$ 211,792	\$ 361,140	63.0%	\$ 2,989,103	\$ 1,150,170	\$ 1,838,933	61.5%
Murphy Road Operations	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Facilities Operating Exp.	\$ 86,716	\$ 75,108	\$ 11,608	13.4%	\$ 468,755	\$ 577,831	\$ (109,076)	-23.3%
NAES Contract Operating Charges	\$ 2,740,255	\$ 1,944,820	\$ 795,435	29.0%	\$ 12,806,624	\$ 12,040,629	\$ 765,995	6.0%
NAES Contract Major Maint.	\$ 900,000	\$ -	\$ 900,000	n/a	\$ 1,800,000	\$ -	\$ 1,800,000	n/a
NAES On-Site Incentive Comp.	\$ 86,326	\$ 86,326	\$ -	0.0%	\$ 431,630	\$ 385,034	\$ 46,596	10.8%
NAES Management Fees	\$ 104,818	\$ 91,575	\$ 13,243	12.6%	\$ 524,090	\$ 535,139	\$ (11,049)	-2.1%
Transfer Station - Ellington	\$ 1,141	\$ 303	\$ 838	73.4%	\$ 8,205	\$ 6,683	\$ 1,522	18.5%
Transfer Station - Essex	\$ 65,727	\$ 65,653	\$ 74	0.1%	\$ 330,185	\$ 331,080	\$ (895)	-0.3%
Transfer Station - Torrington	\$ 50,138	\$ 48,566	\$ 1,572	3.1%	\$ 252,240	\$ 250,117	\$ 2,123	0.8%
Transfer Station - Watertown	\$ 65,569	\$ 64,433	\$ 1,136	1.7%	\$ 329,395	\$ 335,836	\$ (6,441)	-2.0%
TOTAL ACCRUED EXPENDITURES	\$ 6,265,260	\$ 3,952,161	\$ 2,313,099	36.9%	\$ 28,285,785	\$ 23,561,727	\$ 4,724,058	16.7%
OPERATING INCOME								
(Before Reserves / Transfers)	\$ (1,341,754)	\$ 1,488,025	\$ 2,829,779	-210.9%	\$ (2,205,083)	\$ 5,072,486	\$ 7,277,569	-330.0%
DISTRIBUTION OF CSWS OPERATING INCOME								
CSWS Improvement Fund	\$ -	\$ -	\$ -	n/a	\$ 100,000	\$ 100,000	\$ -	0.0%
CSWS Major Maint. Fund	\$ 900,000	\$ 900,000	\$ -	0.0%	\$ 4,400,000	\$ 4,400,000	\$ -	0.0%
CSWS Risk Fund	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
CSWS Legal Reserve	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
MIRA Severance Reserve	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
TOTAL DISTRIBUTIONS	\$ 900,000	\$ 900,000	\$ -	0.0%	\$ 4,500,000	\$ 4,500,000	\$ -	0.0%
SURPLUS / (DEFICIT)	\$ (2,241,754)	\$ 588,025	\$ 2,829,779	-126.2%	\$ (6,705,083)	\$ 572,486	\$ 7,277,569	-108.5%

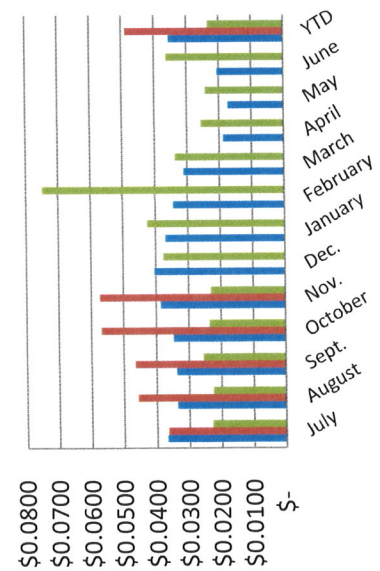
Materials Innovation and Recycling Authority
FY 2022 Board of Directors Financial Report

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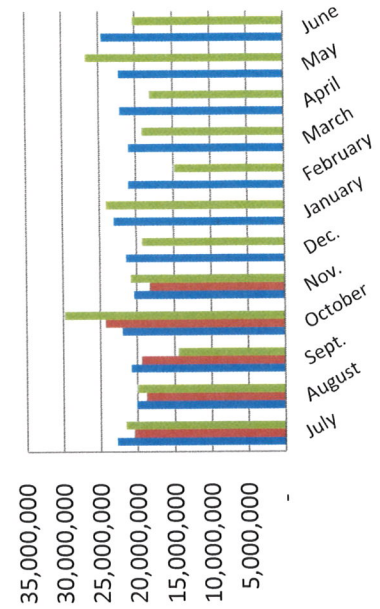
CSWS Electricity Production Period Ending: November 30, 2021

	Price			Production			Generation Revenue		
	Budget	Actual	Variance	Budget	Actual	Variance	Budget	Actual	Variance
FY 2022									
July	\$ 0.0370	\$ 0.0368	\$ (0.0002)	22,916,522	20,592,010	(2,324,512)	\$ 848,167	\$ 757,604	\$ (90,563)
August	\$ 0.0339	\$ 0.0460	\$ 0.0121	20,239,205	18,895,700	(1,343,505)	\$ 685,759	\$ 868,490	\$ 182,730
Sept.	\$ 0.0341	\$ 0.0467	\$ 0.0126	20,913,621	19,514,660	(1,398,961)	\$ 713,124	\$ 911,632	\$ 198,509
October	\$ 0.0350	\$ 0.0571	\$ 0.0221	22,098,687	24,364,910	2,266,223	\$ 773,238	\$ 1,391,233	\$ 617,995
Nov.	\$ 0.0389	\$ 0.0575	\$ 0.0186	20,477,905	18,369,720	(2,108,185)	\$ 796,000	\$ 1,056,427	\$ 260,428
Dec.	\$ 0.0407	-	n/a	21,522,531		n/a	\$ 876,170		n/a
January	\$ 0.0372	-	n/a	23,196,412		n/a	\$ 863,844		n/a
February	\$ 0.0348	-	n/a	21,127,012		n/a	\$ 735,201		n/a
March	\$ 0.0315	-	n/a	21,118,545		n/a	\$ 664,338		n/a
April	\$ 0.0190	-	n/a	22,276,288		n/a	\$ 423,302		n/a
May	\$ 0.0175	-	n/a	22,408,293		n/a	\$ 392,576		n/a
June	\$ 0.0208	-	n/a	24,704,979		n/a	\$ 512,781		n/a
YTD	\$ 0.0358	\$ 0.0490	\$ 0.0132	106,645,940	101,737,000	(4,908,940)	3,816,288	4,985,386	\$ 1,169,098
YTD % Var.			36.9%			-4.6%			30.6%

Price / kWh



Production (KWh)



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

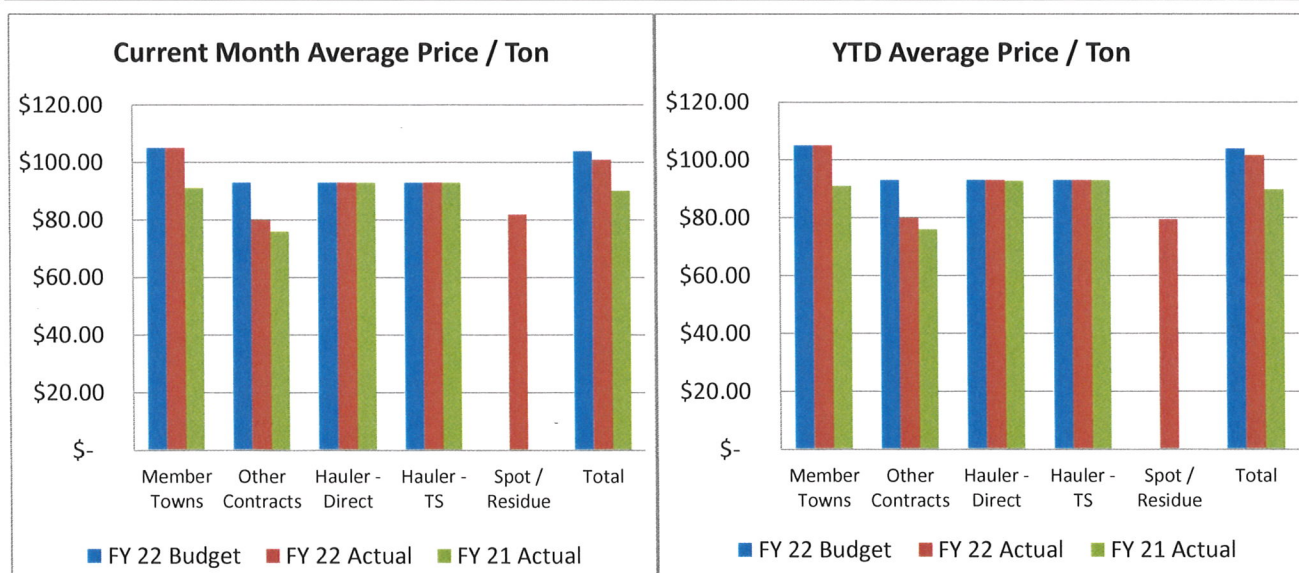
[Narrative](#)

CSWS Solid Waste Summary

Period Ending:

November 30, 2021

	Current Month			Year To Date		
	Tons	Revenue	Price	Tons	Revenue	Price
FY 22 Budget						
Member Towns	34,447	\$ 3,619,647	\$ 105.08	179,560	\$ 18,867,701	\$ 105.08
Other Contracts	1,254	\$ 116,622	\$ 93.00	6,270	\$ 583,110	\$ 93.00
Hauler - Direct	1,568	\$ 145,854	\$ 93.00	8,442	\$ 785,065	\$ 93.00
Hauler - TS	796	\$ 74,032	\$ 93.00	4,149	\$ 385,896	\$ 93.00
Spot / Residue	-	\$ -	\$ -	-	\$ -	\$ -
Total	38,066	\$ 3,956,154	\$ 103.93	198,421	\$ 20,621,772	\$ 103.93
FY 22 Actual						
Member Towns	31,869	\$ 3,349,033	\$ 105.09	164,695	\$ 17,307,056	\$ 105.09
Other Contracts	3,692	\$ 295,371	\$ 80.00	12,253	\$ 980,206	\$ 80.00
Hauler - Direct	2,680	\$ 249,207	\$ 93.00	15,738	\$ 1,463,664	\$ 93.00
Hauler - TS	1,788	\$ 166,317	\$ 93.00	8,479	\$ 788,959	\$ 93.05
Spot / Residue	1,209	\$ 98,893	\$ 81.82	4,329	\$ 343,698	\$ 79.40
Total	41,237	\$ 4,158,822	\$ 100.85	205,493	\$ 20,883,582	\$ 101.63
Variance						
Member Towns	(2,579)	\$ (270,614)	\$ 0.01	(14,865)	\$ (1,560,645)	\$ 0.01
Other Contracts	2,438	\$ 178,749	\$ (13.00)	5,983	\$ 397,096	\$ (13.00)
Hauler - Direct	1,111	\$ 103,354	\$ -	7,297	\$ 678,598	\$ -
Hauler - TS	992	\$ 92,286	\$ -	4,329	\$ 403,063	\$ 0.05
Spot / Residue	1,209	\$ 98,893	\$ 81.82	4,329	\$ 343,698	\$ 79.40
Total	3,172	\$ 202,668	\$ (3.08)	7,073	\$ 261,810	\$ (2.30)
Total % Var.	8.3%	5.1%	-3.0%	3.6%	1.3%	-2.2%



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

[Narrative](#)

Period Ending:

November 30, 2021

Budget FY 2022	Non Participating Delivery Revenue							Operating Expenses				
	Essex	Torrington	Watertown	Hartford	Total	Rate	Revenue	Trans.	Contract Op.	Direct O&M	Residue	Total
July	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 21,101	\$ -	\$ 634,116
August	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
September	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
October	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
November	-	-	-	-	-	\$ 117	\$ -	\$ 52,974	\$ 503,107	\$ 16,851	\$ -	\$ 572,932
December	-	-	-	-	-	\$ 117	\$ -	\$ 58,934	\$ 554,081	\$ 16,851	\$ -	\$ 629,866
January	-	-	-	-	-	\$ 117	\$ -	\$ 55,623	\$ 525,762	\$ 16,851	\$ -	\$ 598,236
February	-	-	-	-	-	\$ 117	\$ -	\$ 44,366	\$ 429,477	\$ 16,851	\$ -	\$ 490,694
March	-	-	-	-	-	\$ 117	\$ -	\$ 49,663	\$ 474,787	\$ 16,851	\$ -	\$ 541,302
April	-	-	-	-	-	\$ 117	\$ -	\$ 56,947	\$ 537,090	\$ 16,851	\$ -	\$ 610,888
May	-	-	-	-	-	\$ 117	\$ -	\$ 59,596	\$ 559,745	\$ 16,851	\$ -	\$ 636,192
June	-	-	-	-	-	\$ 117	\$ -	\$ 59,596	\$ 559,745	\$ 16,839	\$ -	\$ 636,180
YTD	-	-	-	-	-	\$ 117	\$ -	\$ 277,452	\$ 2,623,146	\$ 88,505	\$ -	\$ 2,989,103

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					-	\$ 117	\$ -	\$ -	\$ -			\$ -
January					-	\$ 117	\$ -	\$ -	\$ -			\$ -
February					-	\$ 117	\$ -	\$ -	\$ -			\$ -
March					-	\$ 117	\$ -	\$ -	\$ -			\$ -
April					-	\$ 117	\$ -	\$ -	\$ -			\$ -
May					-	\$ 117	\$ -	\$ -	\$ -			\$ -
June					-	\$ 117	\$ -	\$ -	\$ -			\$ -
YTD	21.00	-	28.76	359.87	409.63	\$ 117	\$ 47,927	\$ 264,856	\$ 830,403	\$ 41,069	\$ 13,843	\$ 1,150,170

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												
January												
February												
March												
April												
May												
June												
YTD	21.00	-	28.76	359.87	409.63	\$ -	\$ 47,927	\$ (12,597)	\$ (1,792,743)	\$ (47,436)	\$ 13,843	\$ (1,838,933)

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

[Narrative](#)

Period Ending:

November 30, 2021

Budget FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	Expense
July	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
August	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
September	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
October	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
November	640.00	\$ 22.78	\$ 14,579	648.00	\$ 37.49	\$ 24,294	592.00	\$ 23.82	\$ 14,101	\$ 52,974
December	712.00	\$ 22.78	\$ 16,219	720.90	\$ 37.49	\$ 27,027	658.60	\$ 23.82	\$ 15,688	\$ 58,934
January	672.00	\$ 22.78	\$ 15,308	680.40	\$ 37.49	\$ 25,508	621.60	\$ 23.82	\$ 14,807	\$ 55,623
February	536.00	\$ 22.78	\$ 12,210	542.70	\$ 37.49	\$ 20,346	495.80	\$ 23.82	\$ 11,810	\$ 44,366
March	600.00	\$ 22.78	\$ 13,668	607.50	\$ 37.49	\$ 22,775	555.00	\$ 23.82	\$ 13,220	\$ 49,663
April	688.00	\$ 22.78	\$ 15,673	696.60	\$ 37.49	\$ 26,116	636.40	\$ 23.82	\$ 15,159	\$ 56,947
May	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
June	720.00	\$ 22.78	\$ 16,402	729.00	\$ 37.49	\$ 27,330	666.00	\$ 23.82	\$ 15,864	\$ 59,596
YTD	3,352.00	22.78	76,359	3,393.90	37.49	127,237	3,100.60	23.82	73,856	\$ 277,452

Actual FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	Expense
July	605.87	\$ 22.28	\$ 13,499	782.64	\$ 38.30	\$ 29,975	538.30	\$ 23.34	\$ 12,564	\$ 56,038
August	562.73	\$ 22.32	\$ 12,560	715.35	\$ 38.38	\$ 27,455	532.08	\$ 23.38	\$ 12,440	\$ 52,455
September	543.60	\$ 21.99	\$ 11,954	733.68	\$ 38.41	\$ 28,181	551.67	\$ 23.40	\$ 12,909	\$ 53,043
October	500.29	\$ 22.35	\$ 11,181	662.06	\$ 38.42	\$ 25,436	553.20	\$ 22.35	\$ 12,364	\$ 48,982
November	565.62	\$ 22.62	\$ 12,794	703.00	\$ 38.87	\$ 27,326	599.88	\$ 23.70	\$ 14,217	\$ 54,337
December			\$ -			\$ -			\$ -	\$ -
January			\$ -			\$ -			\$ -	\$ -
February			\$ -			\$ -			\$ -	\$ -
March			\$ -			\$ -			\$ -	\$ -
April			\$ -			\$ -			\$ -	\$ -
May			\$ -			\$ -			\$ -	\$ -
June			\$ -			\$ -			\$ -	\$ -
YTD	2,778.11	22.3131867	61,988	3,596.73	38.4718478	138,373	2,775.13	23.2400667	64,494	\$ 264,856

Variance FY 2022	Essex to Willimantic			Torrington to Berlin			Watertown to Berlin			Total
	Tons	Rate	Expense	Tons	Rate	Expense	Tons	Rate	Expense	Expense
July	(106.13)	(0.50)	(2,721)	61.74	0.81	2,949	(120.30)	(0.48)	(3,124)	(2,896)
August	(109.27)	(0.46)	(2,748)	34.95	0.89	1,947	(89.52)	(0.44)	(2,366)	(3,168)
September	(96.40)	(0.79)	(2,625)	85.68	0.92	3,887	(40.33)	(0.42)	(1,192)	69
October	(187.71)	(0.43)	(4,491)	(34.54)	0.93	(679)	(83.20)	(1.47)	(2,795)	(7,965)
November	(74.38)	(0.16)	(1,785)	55.00	1.38	3,032	7.88	(0.12)	116	1,363
December										
January										
February										
March										
April										
May										
June										
YTD	(573.89)	(0.47)	(14,370)	202.83	0.98	11,136	(325.47)	(0.58)	(9,362)	(12,597)

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

[Narrative](#)

Period Ending:

November 30, 2021

Budget FY 2022	Hartford to Berlin			Base Operating Charge					Management Fee	Total Expense
	Tons	Rate	Expense	Total Tons	BPF	ACR	Net Price	Expense		
July	2,888.05	\$ 30.00	\$ 86,642	4,895.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 417,440	\$ 50,000	\$ 554,081
August	2,725.80	\$ 30.00	\$ 81,774	4,620.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 393,988	\$ 50,000	\$ 525,762
September	2,596.00	\$ 30.00	\$ 77,880	4,400.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 375,227	\$ 50,000	\$ 503,107
October	2,790.70	\$ 30.00	\$ 83,721	4,730.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 403,369	\$ 50,000	\$ 537,090
November	2,596.00	\$ 30.00	\$ 77,880	4,400.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 375,227	\$ 50,000	\$ 503,107
December	2,888.05	\$ 30.00	\$ 86,642	4,895.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 417,440	\$ 50,000	\$ 554,081
January	2,725.80	\$ 30.00	\$ 81,774	4,620.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 393,988	\$ 50,000	\$ 525,762
February	2,174.15	\$ 30.00	\$ 65,225	3,685.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 314,252	\$ 50,000	\$ 429,477
March	2,433.75	\$ 30.00	\$ 73,013	4,125.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 351,775	\$ 50,000	\$ 474,787
April	2,790.70	\$ 30.00	\$ 83,721	4,730.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 403,369	\$ 50,000	\$ 537,090
May	2,920.50	\$ 30.00	\$ 87,615	4,950.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 422,130	\$ 50,000	\$ 559,745
June	2,920.50	\$ 30.00	\$ 87,615	4,950.00	\$ 85.00	\$ 0.28	\$ 85.28	\$ 422,130	\$ 50,000	\$ 559,745
YTD	13,597	30.00	407,897	23,045	\$ 85.00	\$ 0.28	\$ 85.28	1,965,250	250,000	\$ 2,623,146

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			\$ -				\$ -	\$ -		\$ -
January			\$ -				\$ -	\$ -		\$ -
February			\$ -				\$ -	\$ -		\$ -
March			\$ -				\$ -	\$ -		\$ -
April			\$ -				\$ -	\$ -		\$ -
May			\$ -				\$ -	\$ -		\$ -
June			\$ -				\$ -	\$ -		\$ -
YTD	13,104	30	393,111	20,446	\$ 85.00	\$ 75.84	\$ 9.16	187,292	250,000	\$ 830,403

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										
January										
February										
March										
April										
May										
June										
YTD	(493)	-	(14,786)	(2,599)	-	75.56	(76.12)	(1,777,957)	-	(1,792,743)

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

[Narrative](#)

Period Ending: **November 30, 2021**

Budget FY 2022	Post Combustion Ferrous					Maintenance Metals					Total Revenue
	Gross Tons	Base Price	Adj.	Net Price	Revenue	Gross Tons	Base Price	Adj.	Net Price	Revenue	
July	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
August	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
September	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
October	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
November	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
December	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
January	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
February	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
March	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
April	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
May	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
June	29.17	\$ 38.57	\$ -	\$ 38.57	\$ 1,125	41.67	\$ 110.00	\$ -	\$ 110.00	\$ 4,583	\$ 5,708
YTD	145.83	\$ 38.57	\$ -	\$ 38.57	5,625	208.33	\$ 110.00	\$ -	\$ 110.00	22,917	\$ 28,542

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				\$ -	\$ -				\$ -	\$ -	\$ -
January				\$ -	\$ -				\$ -	\$ -	\$ -
February				\$ -	\$ -				\$ -	\$ -	\$ -
March				\$ -	\$ -				\$ -	\$ -	\$ -
April				\$ -	\$ -				\$ -	\$ -	\$ -
May				\$ -	\$ -				\$ -	\$ -	\$ -
June				\$ -	\$ -				\$ -	\$ -	\$ -
YTD	484.97	\$ 110.00	\$ 11.63	\$ 121.63	58,988.84	96.02	\$ 165.00	\$ 53.10	\$ 218.10	20,942.00	\$ 79,931

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											
January											
February											
March											
April											
May											
June											
YTD	339.14	71.43	11.63	83.06	53,363.84	(112.31)	55.00	53.10	108.10	(1,974.67)	51,389.17

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

[Narrative](#)

Property Division Monthly Financial Report

Period Ending: **November 30, 2021**

	Current Month		Variance Better (Worse) than Budget		Year to Date		Variance Better (Worse) than Budget	
	Budget	Actual	\$	%	Budget	Actual	\$	%
REVENUES								
Jets Electric:								
Capacity Payments	\$ 687,671	\$ 725,898	\$ 38,227	5.6%	\$ 3,438,355	\$ 3,565,651	\$ 127,296	3.7%
VARs Payments	\$ 3,184	\$ 3,233	\$ 49	1.5%	\$ 15,920	\$ 14,952	\$ (968)	-6.1%
Reserve Credits	\$ 37,500	\$ 42,256	\$ 4,756	12.7%	\$ 187,500	\$ 291,428	\$ 103,928	55.4%
Real Time Energy	\$ 50,000	\$ (5)	\$ (50,005)	-100.0%	\$ 250,000	\$ 403,116	\$ 153,116	61.2%
Total Jets Electric	\$ 778,355	\$ 771,382	\$ (6,973)	-0.9%	\$ 3,891,775	\$ 4,275,147	\$ 383,372	9.9%
Lease Income:								
CSWS Murphy Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Golf Center	\$ 1,664	\$ 1,664	\$ 0	0.0%	\$ 8,319	\$ 8,320	\$ 1	0.0%
Wheelabrator Lease	\$ 38,079	\$ 38,079	\$ -	0.0%	\$ 190,395	\$ 190,395	\$ -	0.0%
Jets Billboard	\$ -	\$ 3,779	\$ 3,779	n/a	\$ 45,350	\$ 25,116	\$ (20,234)	-44.6%
Total Lease Income	\$ 39,743	\$ 43,522	\$ 3,779	9.5%	\$ 244,064	\$ 223,831	\$ (20,233)	-8.3%
South Central Facility Capacity	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Interest / Misc. Income	\$ -	\$ -	\$ -	n/a	\$ 62,500	\$ 3,458	\$ (59,042)	-94.5%
TOTAL ACCRUED REVENUES	\$ 818,098	\$ 814,904	\$ (3,194)	-0.4%	\$ 4,198,339	\$ 4,502,436	\$ 304,097	7.2%
EXPENDITURES								
MIRA Non-Personnel Services	\$ 16,771	\$ -	\$ 16,771	n/a	\$ 83,855	\$ 2,029	\$ 81,826	97.6%
MIRA Allocated Costs	\$ 64,295	\$ 55,656	\$ 8,639	13.4%	\$ 347,318	\$ 332,094	\$ 15,224	4.4%
Railroad Maintenance	\$ -	\$ -	\$ -	n/a	\$ 10,500	\$ 10,050	\$ 450	4.3%
211 Murphy Road Ops. Center	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
1410 Honey Spot Road	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
171 Murphy Road	\$ 2,269	\$ 1,017	\$ 1,252	55.2%	\$ 11,345	\$ 4,503	\$ 6,842	60.3%
Education & Trash Museum	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
South Central Facility Operating C	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Jets Operating Charges	\$ 140,877	\$ 54,662	\$ 86,215	61.2%	\$ 738,385	\$ 712,566	\$ 25,819	3.5%
TOTAL ACCRUED EXPENDITURES	\$ 224,212	\$ 111,335	\$ 112,877	50.3%	\$ 1,191,403	\$ 1,061,242	\$ 130,161	10.9%
OPERATING INCOME								
(Before Reserves / Transfers)	\$ 593,886	\$ 703,569	\$ 109,683	18.5%	\$ 3,006,936	\$ 3,441,194	\$ 434,258	14.4%
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)	\$ 593,886	\$ 703,569	\$ 109,683	18.5%	\$ 3,006,936	\$ 3,441,194	\$ 434,258	14.4%

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

[Narrative](#)

Property Division and CSWS Flow of Funds

Period Ending: **November 30, 2021**
Transfer Date: **December 4, 2021**
Funding: **January**

Property Division Receipts	Beginning Balance	Interest [+]	Receipts [-]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 1,000.00		\$ 872,736.04		\$ 872,736.04	\$ 1,000.00
Property Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating Fund	\$ 1,571,413.94	\$ 197.88	\$ 131,008.61		\$ 239,275.12	\$ 1,679,878.33
PD General Fund	\$ 11,067,289.21	\$ 814.67				\$ 11,068,103.88
PD Improvement Fund	\$ 260,179.85					\$ 260,179.85
Jets Major Maintenance	\$ 964,000.00					\$ 964,000.00
Severance Fund	Combined Below					Combined Below
CSWS Improvement Fund	Combined Below					Combined Below
CSWS Major Maintenance	Combined Below					Combined Below
CSWS Tip Fee Stabilization	Combined Below				\$ 633,460.92	Combined Below
Total	\$ 13,862,883.00	\$ 1,012.55	\$ 131,008.61	\$ -	\$ 872,736.04	\$ 13,972,162.06
CSWS Division Receipts	Beginning Balance	Interest [+]	Receipts [-]	Adjustments [+(-)]	Net Receipts to Distribution [-]	Ending Balance
Clearing Account	\$ 40,000.00		\$ 5,133,093.76		\$ 5,133,093.76	\$ 40,000.00
CSWS Division Disbursements	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Operating STIF	\$ 8,544,984.40	\$ 468.51	\$ 3,739,899.19		\$ 5,766,554.73	\$ 10,572,108.45
Debt Service Fund	\$ 3,875.01					\$ 3,875.01
General Fund	\$ 1,101.23	\$ 0.06				\$ 1,101.29
CSWS Risk Fund	\$ 897,451.05	\$ 66.07				\$ 897,517.12
CSWS Legal Fund	\$ 588,811.69	\$ 43.36				\$ 588,855.05
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				\$ (633,460.97)	Combined Below
Total	\$ 10,036,223.38	\$ 578.00	\$ 3,739,899.19	\$ -	\$ 5,133,093.76	\$ 12,063,456.92
Combined	Beginning Balance	Interest [+]	Expenditures [-]	Adjustments [+(-)]	Distribution of Net Receipts [+(-)]	Ending Balance
Severance Fund	\$ 2,542,131.11	\$ 187.14				\$ 2,542,318.25
CSWS Improvement Fund	\$ 319,447.51					\$ 319,447.51
CSWS Major Maintenance	\$ 4,117,394.88	\$ 262.18	\$ 1,330,984.00			\$ 2,786,673.06
CSWS Tip Fee Stabilization	\$ 1,000.00	\$ 0.05			\$ (0.05)	\$ 1,000.00
Other Division Balances	Beginning Balance	Interest [+]	Receipts [-]	Expenditures [-]	Adjustments [+(-)]	Ending Balance
General Fund Checking	\$ 1,156,878.84		\$ 246,007.46	\$ 211,610.00		\$ 1,191,276.30
Hartford Solar Reserve	\$ 335,066.39	\$ 24.66				\$ 335,091.05
Pollution Insurance Reserve	\$ -					\$ -
Landfill Operating Account	\$ 2,067,700.38		\$ 59,041.53	\$ 6,807.30		\$ 2,119,934.61

Mark T. Daley, Chief Financial Officer

- Ending balances include the fund transfers represented on this flow of funds as a distribution. Excludes receipt of customer security deposits /guarantees of payment and Mid-Connecticut reserves not subject to disbursement or funding in accordance with adopted flow of funds.
- An additional \$425,888.24 was contributed to the CSWS Operating STIF account, which was short funded earlier in the year due to a shortfall from cash receipts and a lack of unencumbered funds in the CSWS Tip Fee Stabilization reserve.
- The YTD CSWS Operating STIF account has been short funded by \$421,912.09
- After the distribution of October receipts, \$65,300,978.49 remained due to the Tip Fee Stabilization Fund from the CSWS.
- YTD \$4,550,174.28 has been contributed to the CSWS Tip Fee Stabilization reserve from receipts.

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

[Narrative](#)

Period Ending:

11/30/21

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

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

[Narrative](#)

Period Ending:

11/30/21

	Current Month			Year to Date		
	Budget	Actual	Variance	Budget	Actual	Variance
WASTE PROCESSING FACILITY						
Trommels	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Conveyors	\$ -	\$ -	\$ -	\$ 50,000	\$ (681)	\$ 50,681
MSW / RDF Tip Floor Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Building Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roof Repairs	\$ -	\$ -	\$ -	\$ 65,000	\$ -	\$ 65,000
Loaders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Rolling Stock	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Site Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Shredders	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scale Systems	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WPF Sub-total	\$ -	\$ -	\$ -	\$ 115,000	\$ (681)	\$ 115,681
POWER BLOCK FACILITY						
Boiler 11	\$ -	\$ -	\$ -	\$ 2,045,000	\$ 1,834,439	\$ 210,561
Boiler 12	\$ -	\$ -	\$ -	\$ -	\$ 160,278	\$ (160,278)
Boiler 13	\$ -	\$ -	\$ -	\$ -	\$ (22,530)	\$ 22,530
Turbine 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Turbine 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Baghouse	\$ 200,000	\$ 80,000	\$ 120,000	\$ 675,000	\$ 425,722	\$ 249,278
Auxiliary Systems	\$ 75,000	\$ -	\$ 75,000	\$ 225,000	\$ (768)	\$ 225,768
Building Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ 49,500	\$ 500
Roof Repairs	\$ -	\$ -	\$ -	\$ 75,000	\$ 52,230	\$ 22,770
Site Repairs	\$ -	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000
Switch Yard / Switchgear	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Stack / Common Duct	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ash System / Load Out	\$ -	\$ -	\$ -	\$ -	\$ 57,010	\$ (57,010)
M Caps	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PBF Sub-total	\$ 275,000	\$ 80,000	\$ 195,000	\$ 3,120,000	\$ 2,555,881	\$ 564,119
TRANSFER STATIONS						
Essex	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Torrington	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Watertown	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Transfer Stations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL CSWS MAJOR MAINTENANCE FUND	\$ 275,000	\$ 80,000	\$ 195,000	\$ 3,235,000	\$ 2,555,200	\$ 679,800

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

Segmented Income Statement

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

DRAFT

Period Ending: November 30, 2021

	General Fund	Connecticut Solid Waste System	Mid-Connecticut Project	Southeast Project	Property Division	Landfill Division	Eliminations	Total
Operating Revenues								
Service charges:								
Members	\$ -	\$ 17,307	\$ -	\$ -	\$ -			\$ 17,307
Others	-	3,635	-	-	-			3,635
Energy sales	-	7,423	-	-	4,275	67		11,765
Other operating revenues	-	266	-	-	224	-		490
Total Operating Revenues	-	28,631	-	-	4,499	67	-	33,197
Operating Expenses								
Solid waste operations	-	21,571	-	-	530	99	11	22,211
Maintenance and utilities	-	3,010	-	-	71	-		3,081
Legal services - external	-	91	-	-	-	-		91
Administrative and Operational services	-	1,479	-	-	326	28		1,833
Total Operating Expenses	-	26,151	-	-	927	127	11	27,216
Operating Income (Loss) before Depreciation and Amortization	-	2,480	-	-	3,572	(60)	(11)	5,981
Depreciation and amortization	4	-	-	-	534	34	0	572
Operating Income (Loss)	(4)	2,480	-	-	3,038	(94)	(11)	5,409
Non-Operating Revenues (Expenses)								
Investment income	-	2	-	-	4	-	-	6
Settlement income (expenses)	-	-	-	-	-	-	-	-
Other income (expenses)	-	-	2	-	-	-	-	2
Distribution to SCRRA	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses), net	-	2	2	-	4	-	-	8
Income (Loss) before Transfers	(4)	2,482	2	-	3,042	(94)	(11)	5,417
Transfers in (out)	-	(100)	-	-	100	-	11	11
Change in Net Position	(4)	2,382	2	-	3,142	(94)	-	5,428
Total Net Position, beginning of period	3,426	(10,967)	0	-	57,700	20,621	-	70,780
Total Net Position, end of period	\$ 3,422	\$ (8,585)	\$ 2	\$ -	\$ 60,842	\$ 20,527	\$ -	\$ 76,208
RECONCILIATION TO VARIANCE REPORT:								
Add: Expenses paid from reserves	-	2,606	0	-	32	-	-	2,638
Add: Amortization	4	-	-	-	534	34	-	572
less: GAAP Exp (Deferred for Budget)	-	-	-	-	-	-	-	-
add: Spare parts and fuel inventory adjustment	-	(16)	-	-	(167)	-	-	(183)
add: Capitalized expenses net of asset disposals	-	-	-	-	-	-	-	-
add: Settlement income	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
Operating Income (Loss) per Variance report	n/a	5,072	n/a	n/a	3,441	n/a	n/a	8,513

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 GL for Sept'20 s/h/b billed in October'20.

THE AUTHORITY - FINANCIAL RESULTS
For the Period Ending November 30, 2021

DETAILS	MONTH TO DATE				YEAR TO DATE			
	Budget	Actual	Variance		Budget	Actual	Variance	
Authority Budget								
Personnel Services (a)	\$ 195,983	\$ 153,636	\$ 42,347	21.61%	\$ 1,076,636	\$ 891,293	\$ 185,343	17.22%
Non-Personnel Services (b)	\$ 54,281	\$ 57,974	\$ (3,693)	-6.80%	\$ 271,405	\$ 397,414	\$ (126,009)	-46.43%
Total Authority Budget	\$ 250,264	\$ 211,610	\$ 38,654	15.45%	\$ 1,348,041	\$ 1,288,706	\$ 59,335	4.40%
LESS: STIF Interest Income	\$ -	\$ -	\$ -	100.00%	\$ -	\$ 626	\$ (626)	100.00%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 211,610	\$ 38,654	15.45%	\$ 1,348,041	\$ 1,288,081	\$ 59,960	4.45%
Authority Budget Allocation								
Landfill Division	\$ 6,033	\$ 5,102	\$ 931	15.43%	\$ 32,497	\$ 31,056	\$ 1,441	4.44%
Property Division	\$ 55,001	\$ 46,506	\$ 8,495	15.45%	\$ 296,263	\$ 283,082	\$ 13,181	4.45%
CSWS Division	\$ 189,230	\$ 160,003	\$ 29,227	15.45%	\$ 1,019,281	\$ 973,944	\$ 45,337	4.45%
TOTAL AUTHORITY BUDGET ALLOCATED	\$ 250,264	\$ 211,610	\$ 38,654	15.45%	\$ 1,348,041	\$ 1,288,081	\$ 59,960	4.45%
MIRA Direct Personnel								
Landfill Division	\$ -	\$ -	\$ -	n/a	\$ -	\$ -	\$ -	n/a
Property Division	\$ 9,293	\$ 9,151	\$ 142	1.53%	\$ 51,053	\$ 49,013	\$ 2,040	4.00%
CSWS Division	\$ 113,235	\$ 113,106	\$ 129	0.11%	\$ 622,056	\$ 594,460	\$ 27,596	4.44%
TOTAL MIRA DIRECT	\$ 122,528	\$ 122,257	\$ 271	0.22%	\$ 673,109	\$ 643,473	\$ 29,636	4.40%
Total Allocation								
Landfill Division	\$ 6,033	\$ 5,102	\$ 931	15.43%	\$ 32,497	\$ 31,056	\$ 1,441	4.44%
Property Division	\$ 64,294	\$ 55,656	\$ 8,638	13.43%	\$ 347,316	\$ 332,095	\$ 15,221	4.38%
CSWS Division	\$ 302,465	\$ 273,109	\$ 29,356	9.71%	\$ 1,641,337	\$ 1,568,404	\$ 72,933	4.44%
TOTAL AUTHORITY & MIRA DIRECT	\$ 372,792	\$ 333,867	\$ 38,925	10.44%	\$ 2,021,150	\$ 1,931,554	\$ 89,596	4.43%

YTD VARIANCE EXPLANATION

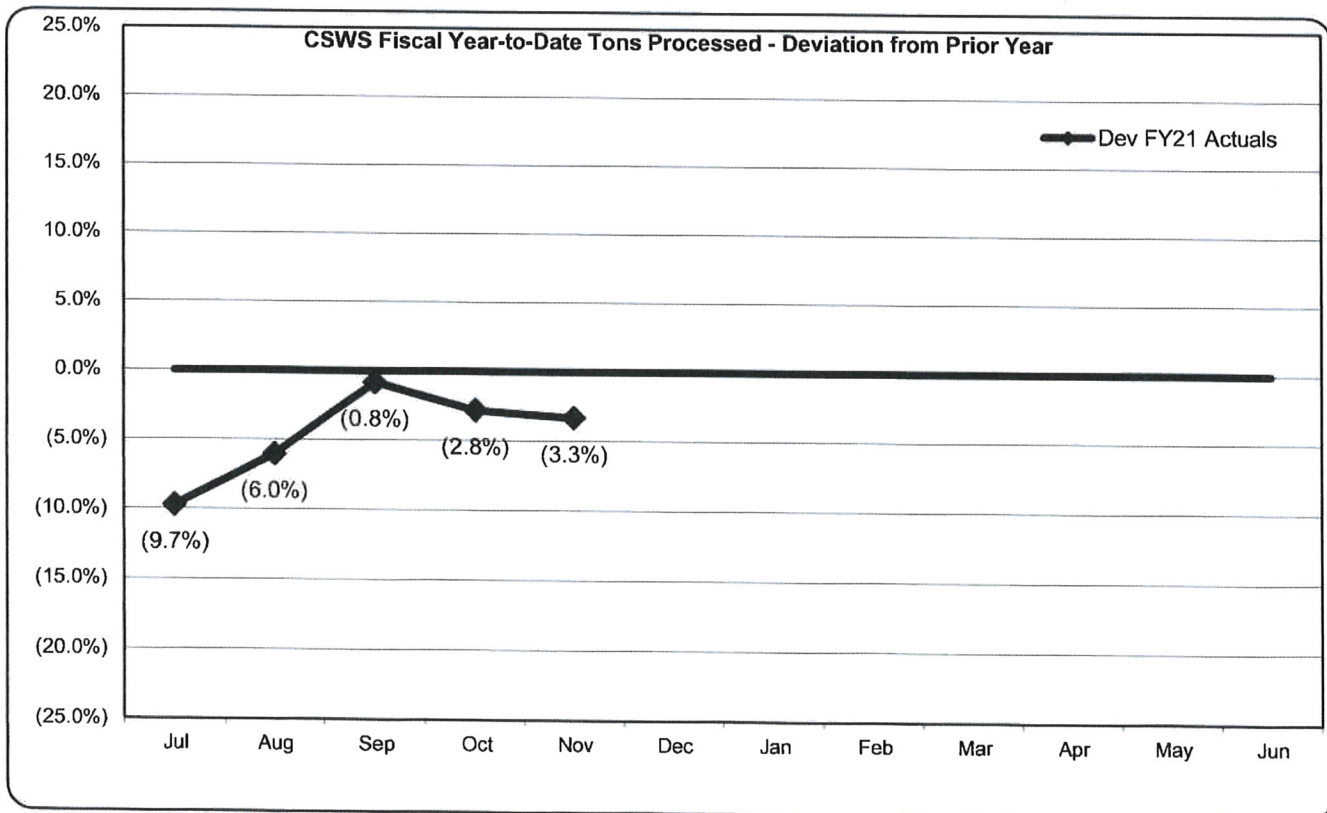
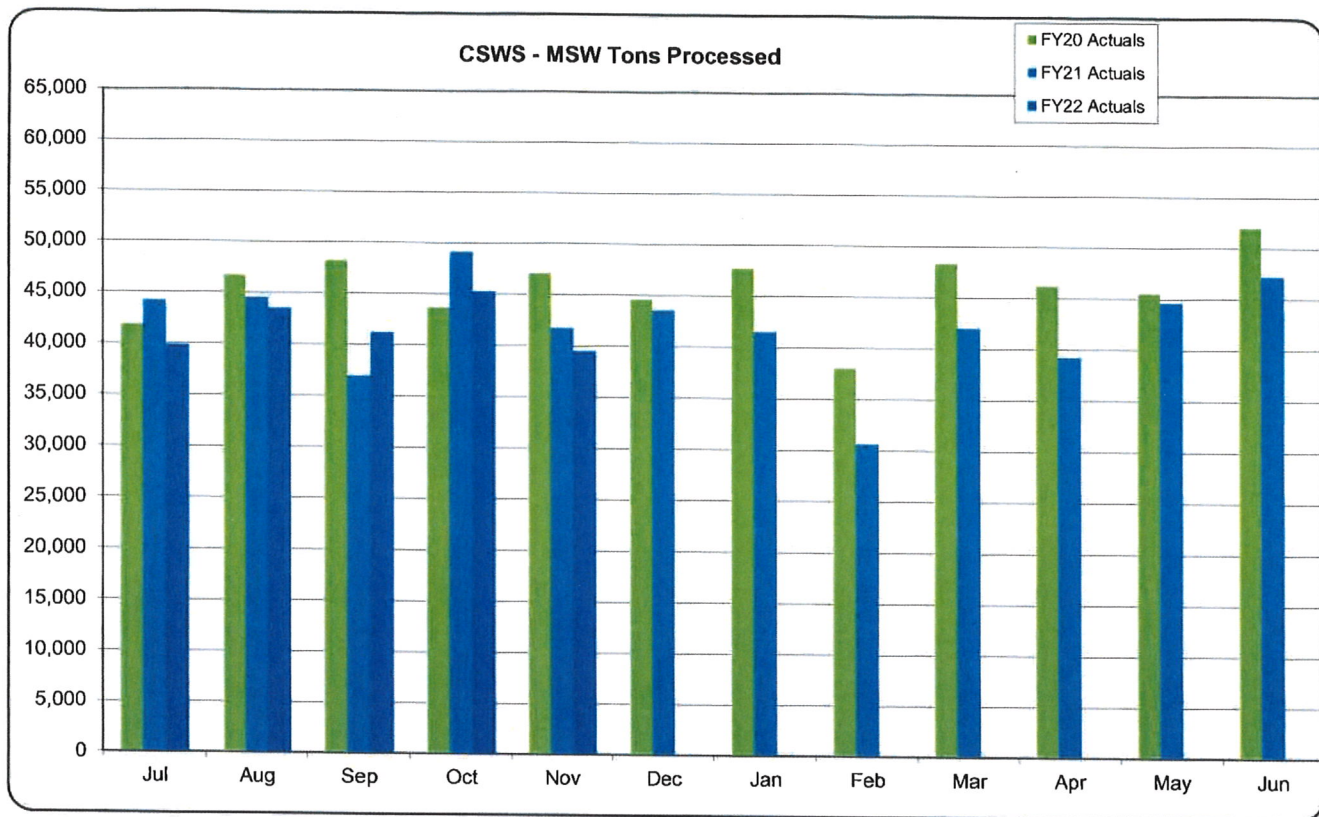
- (a) Favorable due to lower than budgeted direct and indirect labor & benefits allocation related to the following:
- reversal of accrued FY21 Payroll expenditure of approximately \$34k;
 - lower than budgeted salaries and benefits due to an employee who is on medical leave and receiving disability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

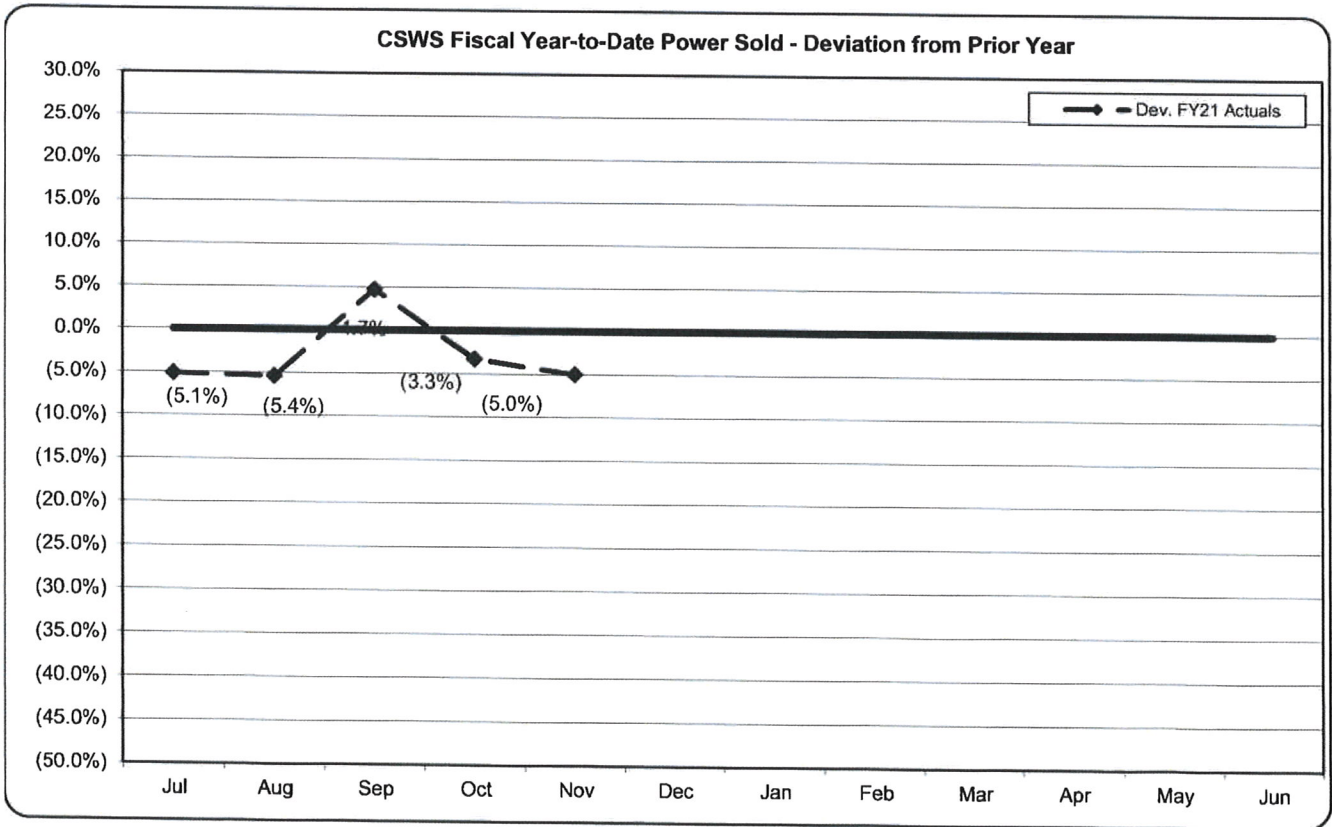
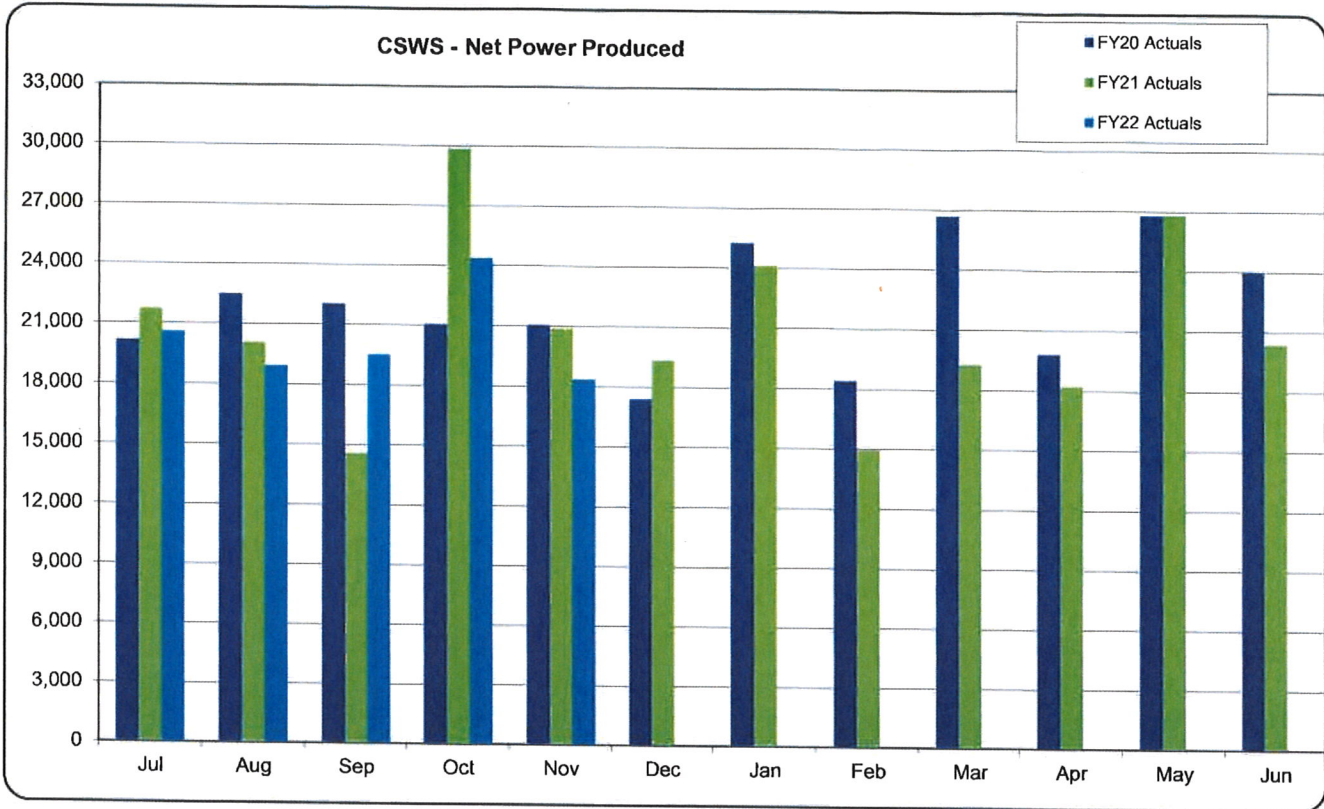
TAB B

MATERIALS INNOVATION AND RECYCLING AUTHORITY
Monthly Operational Summary
November-21

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

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Change	2021	2022	Change	Nov 20	Nov 21	Change
CSWS									
Tons MSW Processed	549,717	505,335	(8.1%)	216,459	209,302	(3.3%)	41,756	39,496	(5.4%)
Steam (klbs)	3,264,837	3,096,441	(5.2%)	1,379,387	1,237,682	(10.3%)	252,638	210,629	(16.6%)
(% MCR)	53.8%	51.0%		54.2%	48.6%		50.6%	42.2%	
Power (Net MWh)	272,358	250,166	(8.1%)	107,073	101,733	(5.0%)	20,883	18,356	(12.1%)
South Meadow Jets									
Net MWh	1,616	1,694	4.8%	1,173	1,107	(5.6%)	192	0	100.0%





CSWS Waste to Energy Plant Monthly Operational Summary

Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Nov 21	60%	6%	61%

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
07/01/21	07/04/21	12	84.70	Large Furnance Slag Rock on B Grate
07/07/21	07/30/21	12	565.90	Failed ID Fan Bus # 2 Breaker and Failed ID Fan Drive Motor
08/05/21	08/07/21	12	54.20	Waterwall Furnace Tube Leaks
08/19/21	08/21/21	12	40.50	Furnace Slag Broke Grate
09/02/21	09/05/21	12	58.20	High Baghouse Delta P
10/13/21	10/18/21	12	113.90	Waterwall Furnace Tube Leaks
10/23/21	10/31/21	12	193.10	Tube Leak Repairs/Low RDF Inventory
11/01/21	11/29/21	12	672.20	Tube Leak Repairs/Low RDF Inventory
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

Scheduled Downtime

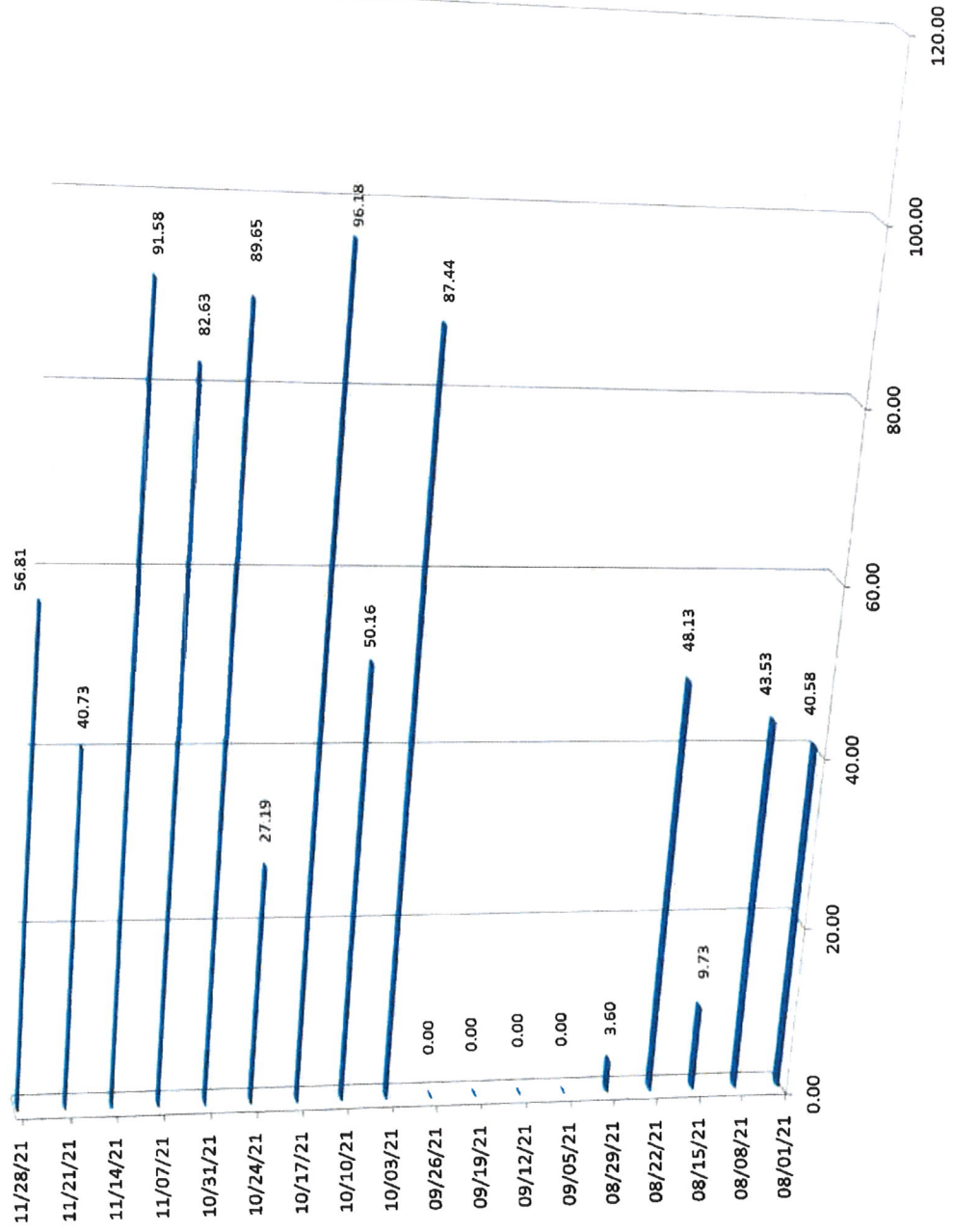
08/08/21	08/15/21	11	169.00	IRIS Testing on Gen. Bank Tube Leaks
09/07/21	09/28/21	11	514.10	Scheduled Major Outage
11/18/21	11/24/21	11	153.00	Scheduled Cleaning Outage
07/05/21	07/06/21	12	48.00	Scheduled Cleaning Outage
09/27/21	09/30/21	12	96.00	Scheduled Cleaning Outage
10/01/21	10/02/21	12	40.80	Scheduled Cleaning Outage
11/01/21	11/01/21	12	1.00	Scheduled Annual Major Outage
08/15/21	08/20/21	13	122.20	Scheduled Cleaning Outage
10/03/21	10/07/21	13	113.20	Scheduled Cleaning Outage

SOUTH MEADOWS JETS

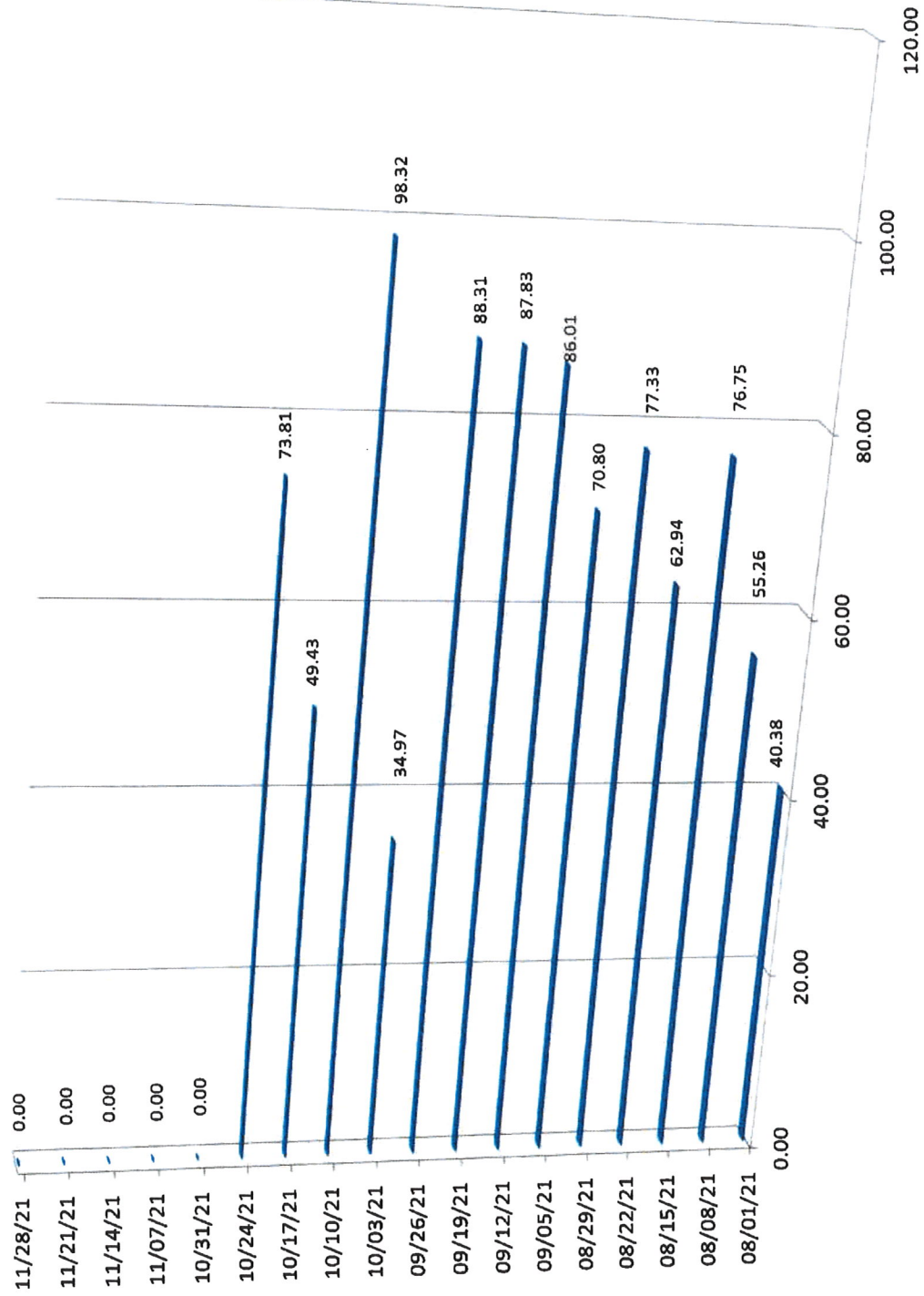
Monthly Operational Summary

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

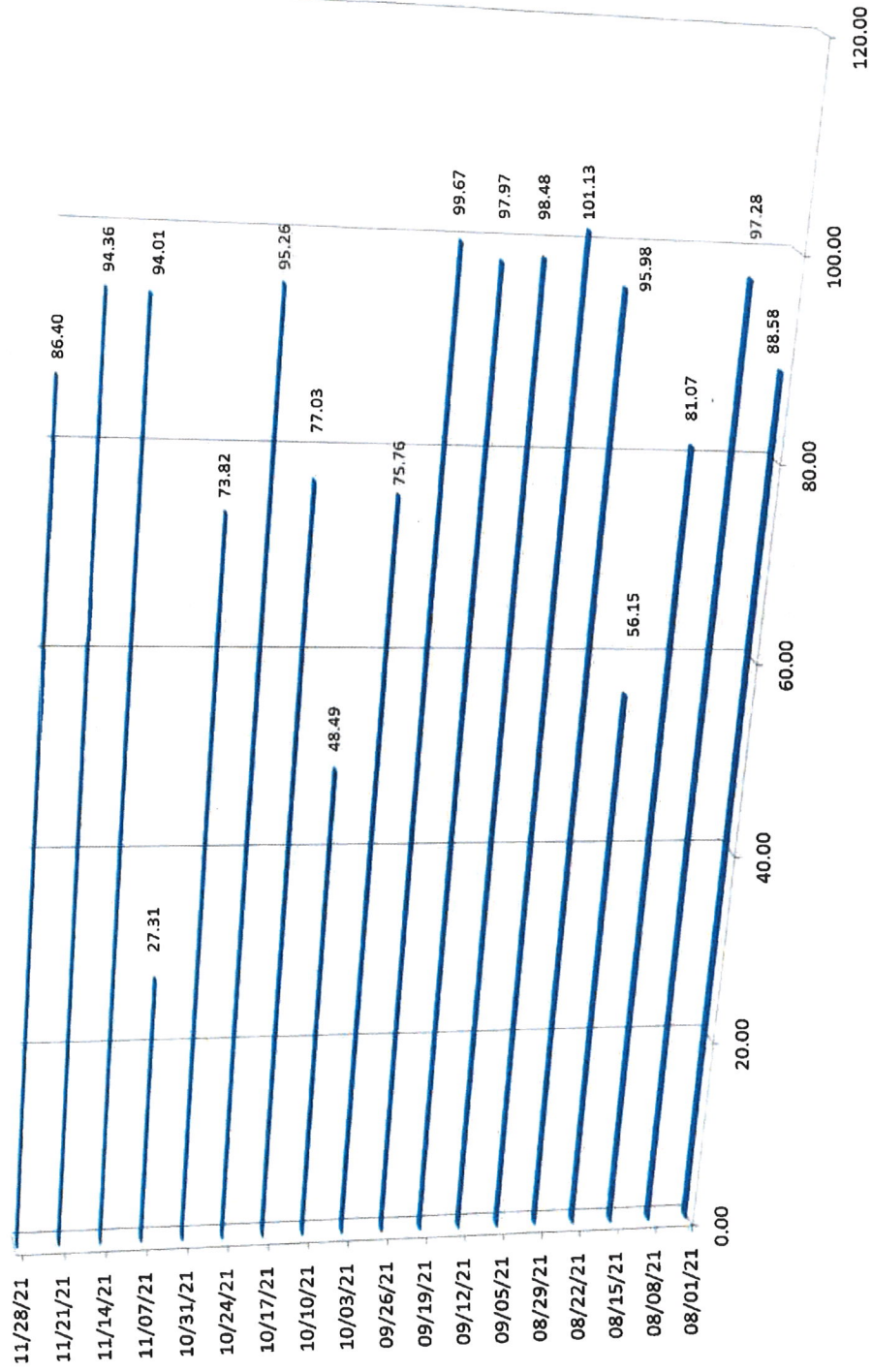
BLR#111 Steam Flow % of Target Steam flow Production



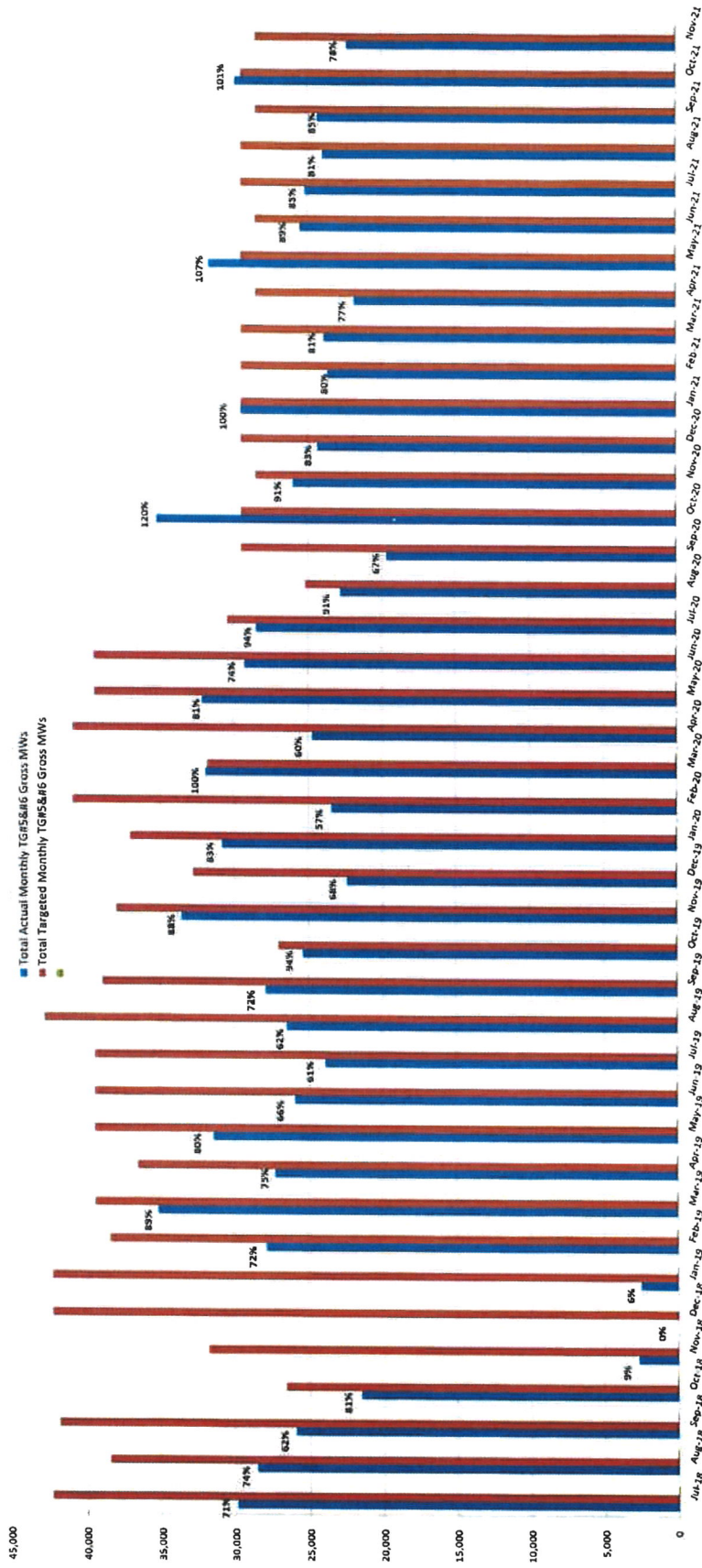
BLR#12 Steam Flow % of Target Steam flow Production



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

November-21

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Nov 20	Nov 21	Growth
CSWS MSW									
Tier 1	391,251	400,941	2%	170,986	158,956	(7%)	33,241	30,737	(8%) (1)
Tier 2	13,013	13,580	4%	5,872	5,757	(2%)	1,141	1,132	(1%) (1)
Non-Processible MSW	2,637	2,946	12%	1,094	1,050	(4%)	196	19	(90%) (1)
Hauler Contract	114,976	64,521	(44%)	31,286	36,644	17%	5,051	8,160	62%
Contract (FCR Residue)	11,723	7,736	(34%)	3,868	0	(100%)	908	0	(100%) (1)
Ferrous Residue	6,868	6,502	(5%)	2,796	2,739	(2%)	663	309	(53%)
In-State Spot	0	9,219	-	0	4,337	-	0	1,209	-
Out-of-State Spot	0	27	-	0	0	-	0	0	-
MSW TOTAL	540,468	505,471	(6%)	215,902	209,483	(3%)	41,199	41,566	1%

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Nov 20	Nov 21	Growth
CSWS Recyclables									
Tier 1	56,609	54,036	(5%)	23,689	20,183	(15%)	4,493	4,147	(8%) (2)
Hauler Contract	20,474	5,361	(74%)	3,503	410	(88%)	711	101	(86%) (2)
Contractor Sourced	0	0	-	0	0	-	0	0	-
In-State Spot	0	0	-	0	0	-	0	0	-
Out-of-State Spot	0	0	-	0	0	-	0	0	-
RECYC. TOTAL	77,083	59,397	(23%)	27,192	20,593	(24%)	5,204	4,249	(18%)

MSW CSWS Diversions, Exports, Re-Directed Tons

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

Recycling CSWS Diversions, Exports, Re-Directed Tons

Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Nov 20	Nov 21	Growth
CSWS Facility and/or TS	4,122	11,216	172%	0	20,572	-	0	4,204	-
Re-Directed Material (2)	0	1,650	-	1,650	0	(100%)	0	0	-
TOTAL TONNAGE	4,122	12,866	212%	1,650	20,572	1147%	0	4,204	-

(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	Nov 20	Nov 21	Growth
Avon	12,112	12,660	5%	5,347	5,577	4%	1,015	1,114	10%
Bethlehem	1,710	1,811	6%	787	790	0%	149	165	11%
Bloomfield	15,811	13,870	(12%)	5,803	6,912	19%	1,090	1,322	21%
Canaan	474	496	5%	218	217	(1%)	41	43	6%
Canton	4,637	4,779	3%	2,052	2,125	4%	393	407	3%
Clinton	8,193	8,371	2%	3,772	3,423	(9%)	683	747	9%
Chester	1,139	1,392	22%	629	526	(16%)	112	119	6%
Colebrook	604	595	(1%)	257	280	9%	49	45	(8%)
Cornwall	530	599	13%	251	235	(6%)	44	41	(8%)
Deep River	3,359	3,087	(8%)	1,385	1,303	(6%)	237	313	32%
Durham/Middlefield	6,634	5,988	(10%)	2,652	1,944	(27%)	546	284	(48%)
East Granby	2,480	2,221	(10%)	943	1,033	10%	213	210	(1%)
East Hartford (2)	27,411	28,425	4%	11,981	0	(100%)	2,289	0	(100%)
East Hampton	6,691	7,017	5%	3,056	2,669	(13%)	618	508	(18%)
Ellington	5,228	5,271	1%	2,279	2,253	(1%)	452	451	(0%)
Essex	2,997	2,640	(12%)	1,090	1,210	11%	248	221	(11%)
Farmington	13,526	12,866	(5%)	5,388	5,126	(5%)	1,064	982	(8%)
Glastonbury	18,718	19,725	5%	8,324	8,420	1%	1,625	1,656	2%
Goshen	1,452	1,543	6%	700	671	(4%)	131	121	(8%)
Granby	4,271	4,416	3%	1,845	1,927	4%	380	357	(6%)
Haddam	3,346	3,495	4%	1,460	1,501	3%	271	307	13%
Hartford	80,122	84,363	5%	34,553	37,076	7%	6,974	7,089	2%
Harwinton	2,017	2,061	2%	907	914	1%	162	159	(2%)
Killingworth	2,061	1,647	(20%)	735	694	(6%)	135	144	7%
Litchfield	5,264	5,360	2%	2,377	2,433	2%	472	498	6%
Lyme	759	798	5%	347	347	0%	68	70	4%
Marlborough	2,401	2,759	15%	1,184	1,167	(1%)	267	213	(20%)
Middlebury	2,369	2,504	6%	1,112	943	(15%)	193	185	(4%)
Naugatuck	13,281	13,939	5%	6,198	4,842	(22%)	1,134	923	(19%)
Newington	19,499	20,347	4%	8,623	8,706	1%	1,724	1,681	(2%)
Norfolk	777	774	(0%)	377	349	(7%)	66	65	(2%)
North Canaan	2,005	2,054	2%	919	925	1%	166	172	3%
North Branford (4)	4,996	4,467	(11%)	1,953	0	(100%)	359	0	(100%)
Old Lyme	4,133	4,966	20%	2,188	2,334	7%	351	338	(4%)
Old Saybrook	8,742	8,715	(0%)	3,919	3,894	(1%)	748	754	1%
Portland	3,734	4,100	10%	1,757	1,766	1%	327	315	(4%)
Rocky Hill	12,171	12,510	3%	5,398	5,608	4%	1,084	1,084	0%
Roxbury (3)	671	722	8%	328	0	(100%)	62	0	(100%)
RRDD#1	11,082	11,319	2%	4,961	4,967	0%	964	998	4%
Salisbury/Sharon	3,152	3,508	11%	1,554	1,486	(4%)	301	284	(6%)
Simsbury	11,370	11,315	(0%)	4,826	5,065	5%	957	1,014	6%
Thomaston	4,299	4,425	3%	1,845	2,017	9%	398	410	3%
Torrington	22,954	23,611	3%	10,120	10,468	3%	1,936	2,008	4%
Watertown	11,157	12,005	8%	5,086	4,662	(8%)	992	948	(4%)
Westbrook (1)	2,856	3,010	5%	1,333	1,447	8%	195	278	42%
Wethersfield	14,357	14,380	0%	6,373	6,828	7%	1,210	1,311	8%
Woodbury	3,699	4,015	9%	1,790	1,876	5%	345	383	11%
TOTAL TIER 1 PART.	391,251	400,941	2%	170,986	158,956	(7%)	33,241	30,737	(8%)

(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)

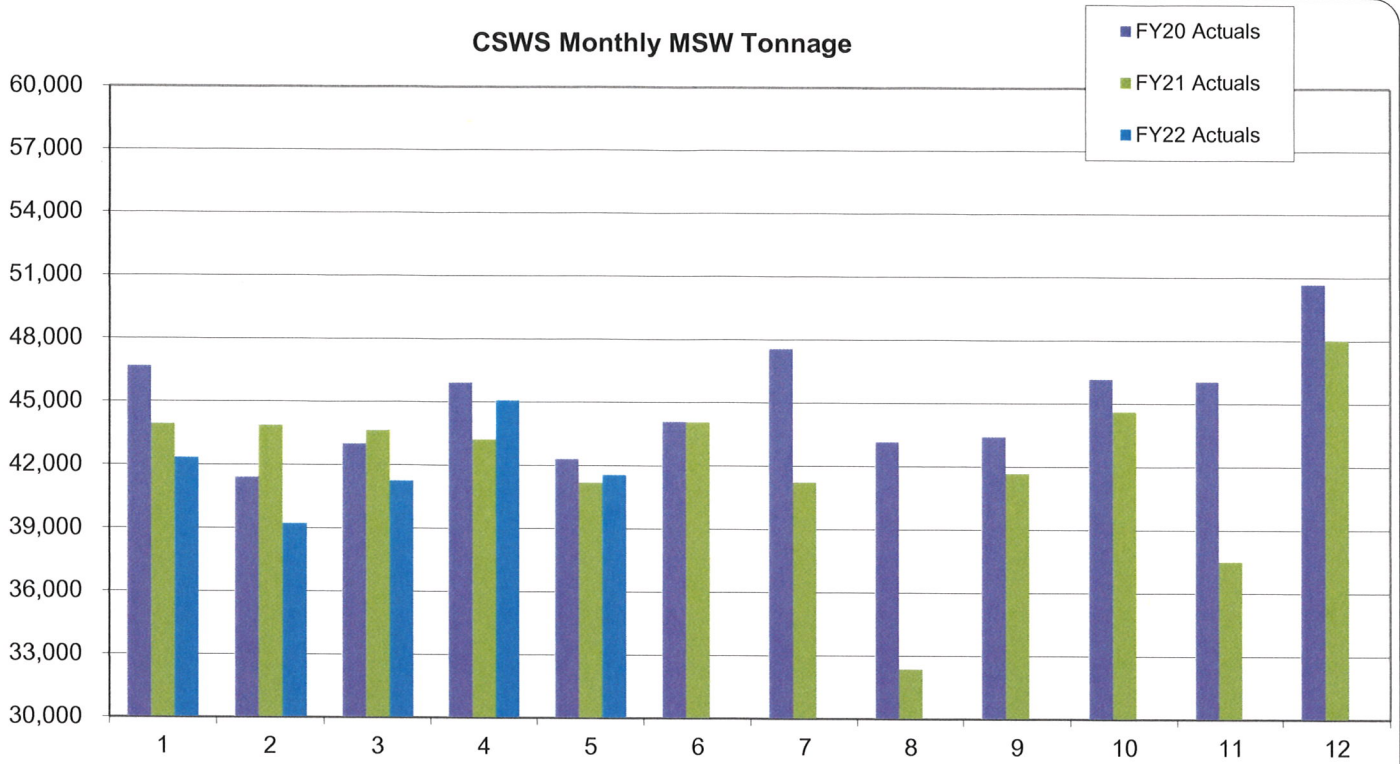
(3) Roxbury- Not a member starting 7/1/2021

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

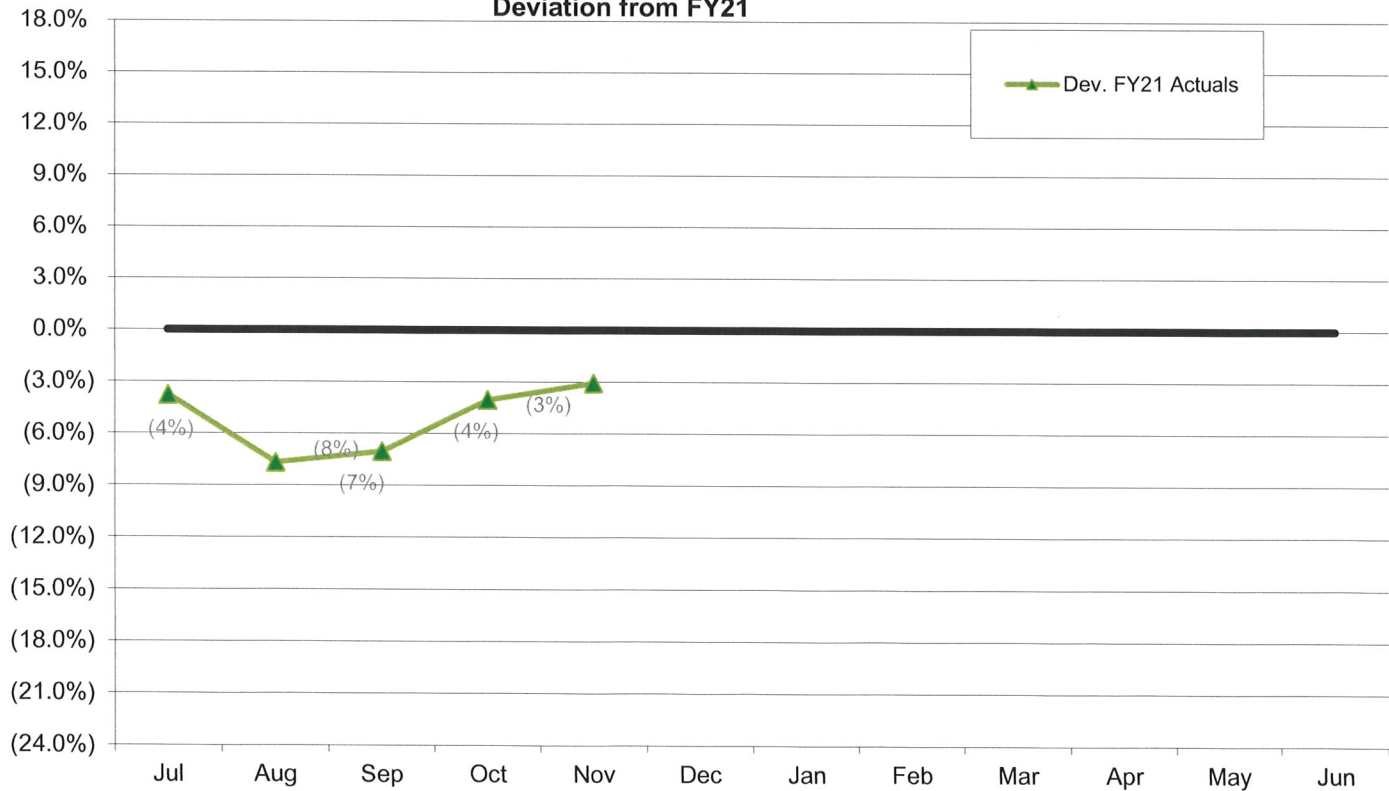
CSWS Tier 2 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2020	2021	Growth	2021	2022	Growth	Nov 20	Nov 21	Growth
Manchester	13,013	13,580	4%	5,872	5,757	(2%)	1,141	1,132	(1%)
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	13,013	13,580	4%	5,872	5,757	(2%)	1,141	1,132	(1%)

CSWS MSW Trends

CSWS Monthly MSW Tonnage



CSWS Fiscal Year-to-Date MSW Tonnage - Deviation from FY21



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	Nov 20	Nov 21	Growth	
Avon	1,925	2,041	6%	863	790	(9%)	164	163	(1%)	(a)
Bethlehem	367	369	1%	154	120	(22%)	29	26	(10%)	
Bloomfield	1,582	1,568	(1%)	695	681	(2%)	127	134	5%	(a)
Canaan	106	204	93%	62	88	42%	12	10	(22%)	
Canton	891	920	3%	380	382	1%	76	86	13%	(a)
Chester	328	405	23%	182	146	(20%)	35	30	(16%)	
Clinton	1,215	1,029	(15%)	543	240	(56%)	112	65	(42%)	
Colebrook	184	206	12%	88	90	3%	17	15	(15%)	
Cornwall	174	190	9%	78	65	(16%)	15	13	(16%)	
Deep River	400	292	(27%)	126	143	14%	24	36	50%	
Durham/Middlefield	933	903	(3%)	402	287	(29%)	86	53	(38%)	(a)
East Granby	439	478	9%	196	187	(4%)	50	37	(25%)	(a)
East Hartford (2)	3,461	2,998	(13%)	1,453	0	(100%)	232	0	(100%)	(a)
East Hampton	1,028	1,044	2%	426	415	(3%)	86	95	11%	(a)
Ellington	1,263	1,290	2%	553	532	(4%)	104	93	(10%)	(a)
Essex	828	748	(10%)	328	305	(7%)	60	67	13%	
Farmington	2,221	2,086	(6%)	888	809	(9%)	168	163	(3%)	(a)
Glastonbury	3,493	3,445	(1%)	1,454	1,291	(11%)	306	275	(10%)	(a)
Goshen	371	383	3%	161	152	(6%)	36	32	(9%)	
Granby	1,296	1,273	(2%)	536	525	(2%)	103	118	15%	(a)
Haddam	649	672	3%	294	251	(15%)	61	54	(12%)	(a)
Hartford	3,826	1,375	(64%)	866	948	9%	82	200	143%	(a)
Harwinton	476	502	5%	211	197	(7%)	41	38	(9%)	
Killingworth	494	462	(6%)	187	158	(15%)	38	36	(6%)	
Litchfield	780	837	7%	341	336	(1%)	73	74	3%	
Lyme	263	290	10%	117	123	5%	20	25	24%	
Marlborough	523	533	2%	234	207	(12%)	53	54	3%	(a)
Middlebury	898	922	3%	395	348	(12%)	70	79	13%	
Naugatuck	2,216	2,249	1%	988	904	(9%)	189	193	2%	
Newington	2,481	2,503	1%	1,053	1,003	(5%)	205	205	0%	(a)
Norfolk	166	167	1%	77	70	(9%)	13	12	(10%)	
North Branford (4)	1,210	1,159	(4%)	525	0	(100%)	77	0	(100%)	
North Canaan	258	251	(3%)	115	100	(13%)	21	25	21%	
Old Lyme	1,256	1,358	8%	620	571	(8%)	107	95	(12%)	
Old Saybrook	1,276	1,414	11%	655	598	(9%)	123	112	(9%)	
Portland	816	857	5%	367	343	(6%)	74	63	(15%)	(a)
Rocky Hill	1,540	1,471	(4%)	621	604	(3%)	128	121	(6%)	(a)
Roxbury (3)	232	268	16%	125	0	(100%)	23	0	(100%)	
RRDD#1	1,666	1,671	0%	710	690	(3%)	146	146	0%	
Salisbury-Sharon	1,179	1,229	4%	545	523	(4%)	106	94	(12%)	
Simsbury	2,602	2,602	0%	1,090	1,051	(4%)	224	209	(7%)	(a)
Thomaston	913	881	(3%)	374	412	10%	73	100	36%	
Torrington	2,785	2,883	4%	1,201	1,201	(0%)	228	240	5%	
Watertown	1,558	1,634	5%	709	659	(7%)	144	130	(10%)	
Westbrook (1)	573	503	(12%)	225	228	2%	35	44	23%	
Wethersfield	2,647	2,575	(3%)	1,095	1,061	(3%)	209	217	4%	(a)
Woodbury	820	893	9%	385	353	(8%)	89	70	(21%)	
TOTAL TIER 1 PART.	56,609	54,036	(5%)	23,689	20,183	(15%)	4,493	4,147	(8%)	

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

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

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

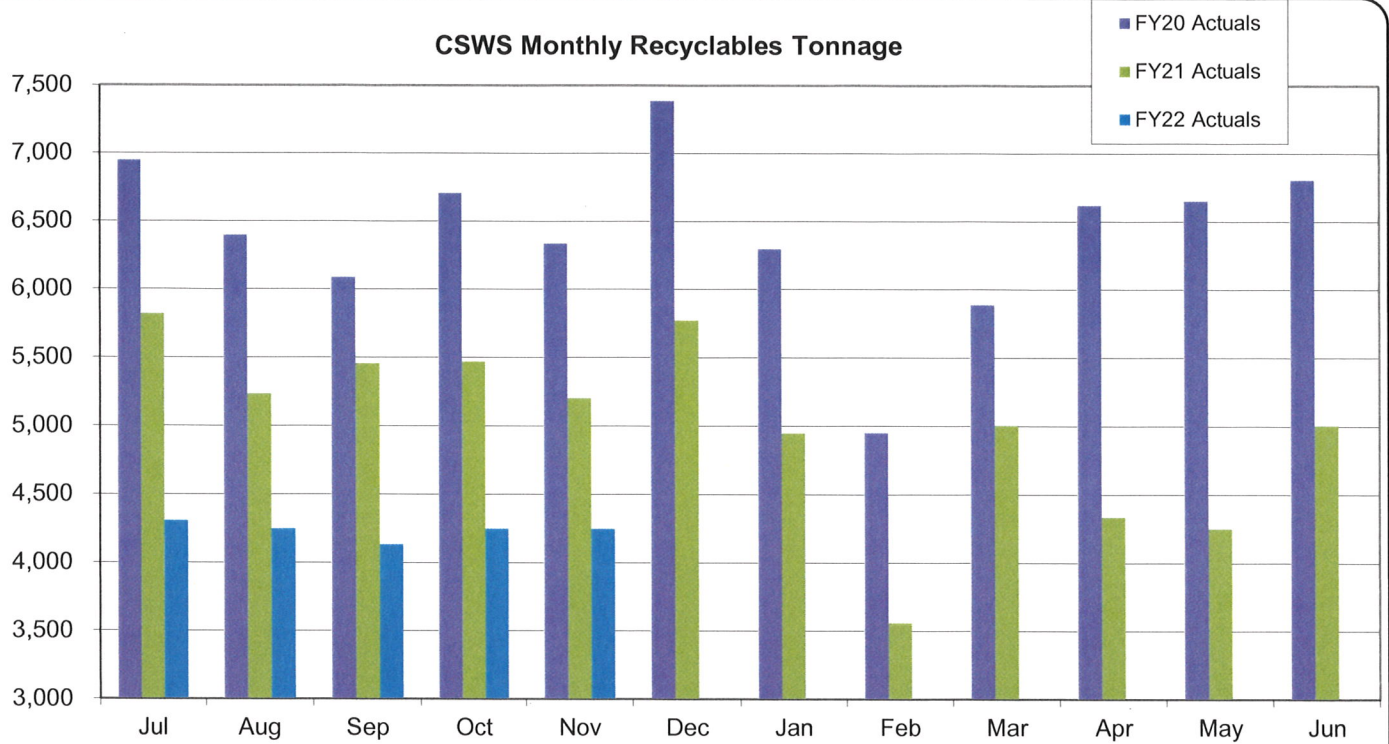
(4) North Branford- Not a Member starting 7/1/21

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

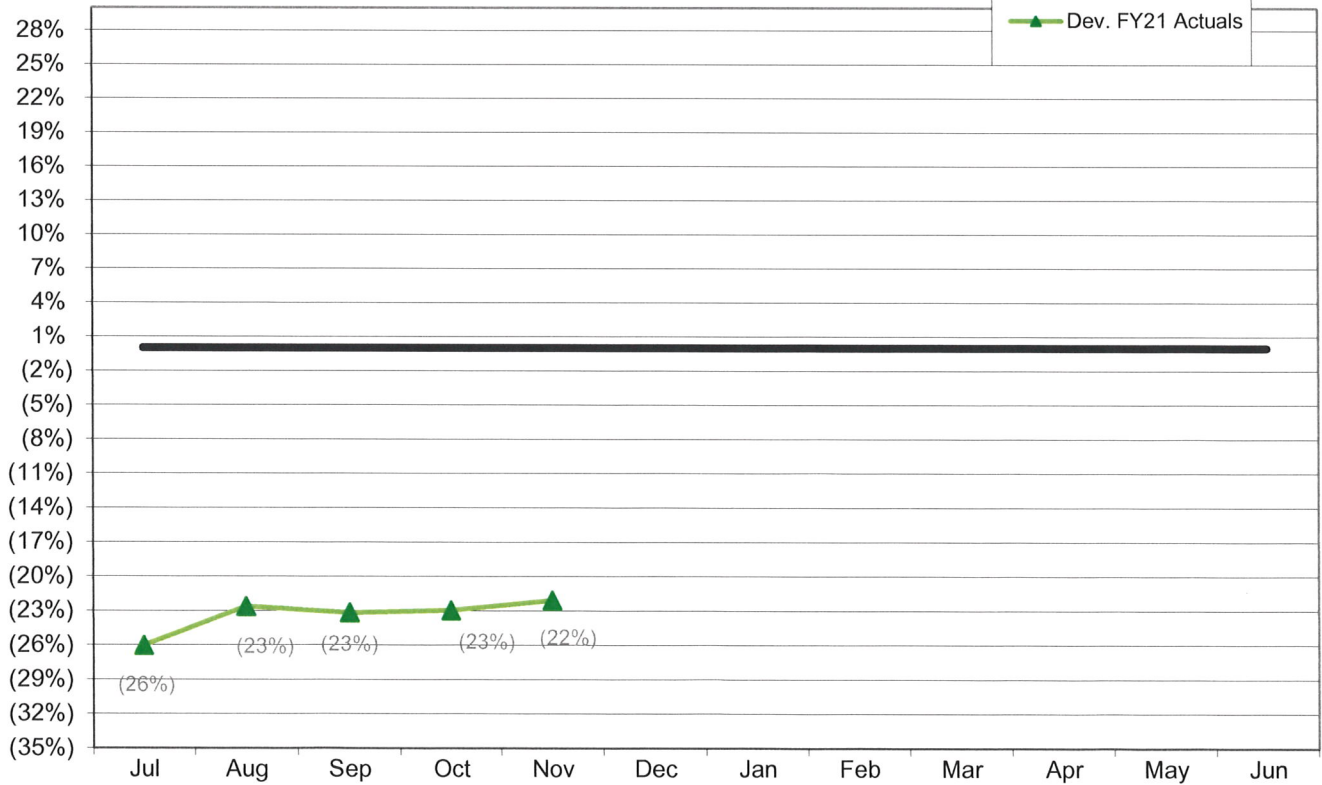
(a) INCLUDES Tons re-directed to Non-MIRA Facility (FY21 Jul, Aug)

CSWS Recyclables Trends

CSWS Monthly Recyclables Tonnage



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



TAB D

FISCAL YEAR 2022 LEGAL REQUEST FOR SERVICES
FOR PERIOD ENDING 11/30/21

LEGAL FIRM	Matter	Board Approval	PO Number	PO Amount	FY22 expenses paid from FY22 PO	FY21 expenses paid from FY22 PO	FY22 accrued estimates	FY21 expenses Paid from FY21 PO (not accrued in FY21)	FY21 over/under accrual, Refunds received etc	Total per General ledger
Cohn Birnbaum & Shea	South Meadows Exit Strategy								\$ (2,000)	\$ (2,000)
Total Cohn Birnbaum & Shea		\$10,000.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,000)	\$ -
Day Pincus	NPD&S Permitting Support									
Total Day Pincus		\$0.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Halloran & Sage	GC - Authority Budget		PO#14568	25,000	\$ 21,093		\$ 46,000		\$ (7,080)	\$ 60,013
	Property Division		PO#14530	5,000						\$ -
	CSWS		PO#14532	25,000	\$ 8,458		\$ 8,400		\$ (2,990)	\$ 13,868
	NAES									\$ -
	NAES - From reserve account		PO#14594	60,000						\$ -
					\$ 50,504		\$ 27,000			\$ 77,504
										\$ -
	Landfill Division		PO#14529	5,000						\$ -
	MidCT									\$ -
Beginning Halloran & Sage		\$140,000.00		\$ 420,000	\$ 80,054	\$ -	\$ 81,400	\$ -	\$ (10,069)	\$ 151,385
Kainen, Escalera & McHale	Employment		PO#14531	15,000	\$ 5,904	\$ 237			\$ (237)	\$ 5,904
Total Kainen, Escalera & McHale		\$25,000.00		\$ 15,000	\$ 5,904	\$ 237	\$ -	\$ -	\$ (237)	\$ 5,904
Melick & Porter	Tremont									\$ -
										\$ -
Total Melick & Porter				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTALS:		\$175,000.00		\$ 435,000	\$ 85,958	\$ 237	\$ 81,400	\$ -	\$ (12,306)	\$ 155,288

Agrees with Controller

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

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