



MEMORANDUM

TO: MIRA Board of Directors
FROM: Donald S. Stein, Chairman
DATE: December 10, 2020
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, December 16, 2020 at 9:30 a.m.*

MIRA offices are presently closed to the public due to the Corona Virus outbreak. Members of the public may attend the meeting telephonically by calling (929) 205-6099, entering meeting ID 833 3029 6037#, then entering the password 320957# 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 November 4, 2020 Special Board Meeting (*Attachment 1*).
- IV. Review and Approve - Minutes of the November 18, 2020 Regular Board Meeting (*Attachment 2*).
- V. Board Action will be sought for a Resolution Regarding Amendment to Minutes of the May 13, 2020, May 28, 2020, June 10, 2020, July 15, 2020, and August 12, 2020 Board of Directors Meetings (*Attachment 3*).
- VI. Finance Committee Report
 - a. Board Action will be sought for a Resolution Regarding Increasing the Cap on Fiscal Year 2021 Transfers to the CSWS Tip Fee Stabilization Fund (*Attachment 4*).
 - b. Board Action will be sought for a Resolution Regarding Adoption of the Fiscal Year 2022 Property Division Operating and Capital Budgets (*Attachment 5*).
 - c. Board Action will be sought for a Resolution Regarding Adoption of the Fiscal Year 2022 Landfill Division Operating and Capital Budgets (*Attachment 6*).
 - d. Discussion of the Draft Fiscal Year 2022 Waste to Energy Facility Budget (*Attachment 7*).
- VII. Policies and Procurement Committee – No Report

- VIII. OS & HR Committee – No Report
- IX. Chairman’s and President’s Report
 - a. Attached Supplemental Information / Other Matters
- X. Potential Executive Session to discuss pending claims and litigation related to *FCR, LLC v. MIRA* and to MIRA’s consideration of action to assert its legal rights.

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND TWENTY TWO

November 4, 2020

A Special Telephonic Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Wednesday, November 4, 2020. Present via video or audio conferencing were:

Directors:

Chairman Stein
Vice-Chairman Dick Barlow
John Adams
Edward Bailey
Carl Fortuna, Jr.
Jim Hayden
Scott Shanley
Susan Weisselberg
Luke Bronin, CSWS Project Ad Hoc (after 9:40)

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

Public Present:

Ann Catino, Halloran & Sage

Chairman Stein called the meeting officially to order at 9:30 a.m. and said that a quorum was present.

PUBLIC PORTION

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

EXECUTIVE SESSION

Chairman Stein requested a motion to enter into Executive Session for the following purposes:

- (1) Review preliminary drafts of feasibility estimates and evaluations regarding the development of MIRA's FY 22 budgets pursuant to Conn. Gen. Stat. Sec. 1-210(b)(1);
- (2) Review certain trade secret information pertaining to potential future solid waste disposal processes pursuant to Conn. Gen. Stat. Sec. 1-210(b)(5)(A);
- (3) Review certain commercial and financial information related to potential future opportunities and as pertains to MIRA's future strategic planning provided in confidence pursuant to Conn. Gen. Stat. Sec. 1-210(b)(5)(B).

The motion was made by Director Bailey and seconded by Director Adams. Chairman Stein requested that the following people remain for the Executive Session, in addition to the Board members:

Tom Kirk
Mark Daley
Peter Egan
Laurie Hunt
Ann Catino

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Bailey, Director Fortuna, Director Shanley, Director Weisselberg and Ad-Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Edward Bailey	X		
Scott Shanley	X		
Carl Fortuna	X		

Susan Weisselberg	X		
Jim Hayden	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke, Bronin CSWS Ad Hoc	X		

Prior to going into Executive Session, while waiting for the Zoom meeting host to arrive, the Chairman elected to begin Agenda Item IV, **Discussion regarding Future Planning for Execution of MIRA's Mission**. At the request of the Chairman, Peter Egan summarized MIRA's plans for participating in a municipal pay-as-you-throw/volumetric pricing demonstration program, organized by WasteZero, Inc. The board discussed the format of the proposed program and potential participation by municipalities and commercial haulers.

The Executive Session commenced at 10:14 a.m.

The meeting was reconvened at 11:20 p.m. Chairman Stein noted that no votes were taken.

Discussion regarding Future Planning for Execution of MIRA's Mission (continued)

The board resumed the discussion of MIRA future planning. At the request of the Chairman, Mr. Kirk summarized MIRA'S short-term plans regarding preparation of MIRA's Fiscal Year 2022 budgets and inauguration of efforts to develop a transfer operation to replace the capacity lost when the South Meadows facility shuts down.

ADJOURNMENT

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

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Bailey, Director Hayden, Director Shanley, Director Weisselberg and Ad Hoc Bronin voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Edward Bailey	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Luke Bronin, CSWS Ad Hoc	X		

The meeting adjourned at 11:25 a.m.

Respectfully Submitted,

Kanchan Arora
Consultant

TAB 2

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FIVE HUNDRED AND TWENTY THREE

November 18, 2020

A Regular Telephonic (Zoom) Board meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Wednesday, November 18, 2020. Present via audio or video conferencing were:

Directors:

Chairman Stein
Vice-Chairman Dick Barlow
John Adams
Edward Bailey (joined 10:50 a.m.)
Carl Fortuna, Jr.
Jim Hayden
Scott Shanley
Susan Weisselberg
Tom Swarr, CSWS Ad Hoc

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
Jeffrey Duvall, Director of Budgets and Forecasting
Thomas Edstrom, Risk Manager/Benefits Administrator
Thomas Gaffey, Director of Recycling & Enforcement
Roger Guzowski, Contract and Procurement Manager
Cheryl Kaminsky, Manager of Accounting & Financial Reporting

Public Present:

Attorney Ann Catino (Halloran & Sage)
Attorney Bill Wilson (Halloran & Sage)
Attorney Dan Krisch (Halloran & Sage)

Chairman Stein called the meeting officially to order at 9:30 a.m. and said that a quorum was present.

PUBLIC PORTION

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

APPROVAL OF THE OCTOBER 14, 2020 REGULAR BOARD MEETING MINUTES

Chairman Stein requested a motion to approve the minutes of the October 14, 2020 Regular Board meeting. Director Adams made the motion which was seconded by Director Fortuna.

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, Director Weisselberg and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr, CSWS Ad Hoc	X		

REVIEW AND RECOMMEND RESOLUTION REGARDING APPROVING THE FISCAL YEAR 2022 AUTHORITY BUDGET.

Chairman Stein requested a motion on the above referenced item. Director Weisselberg made the motion which was seconded by Director Fortuna.

WHEREAS, The Materials Innovation and Recycling Authority (MIRA) is contractually obligated to adopt Disposal Fees for its Connecticut Solid Waste System (CSWS) participating towns on or before February 28, 2021, which fees will apply during MIRA's Fiscal Year 2022 which begins July 1, 2021 and ends June 30, 2022; and

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

WHEREAS, in order for MIRA to progress timely with the evaluation and establishment of Disposal Fees for the CSWS it is necessary for MIRA to adopt the Authority Budget for Fiscal Year 2022 at this time including the budget for personnel and non-personnel services that comprise MIRA's general administrative expenses and the amounts thereof that are properly allocable to MIRA projects and divisions that will be active during Fiscal Year 2022 including:

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

NOW THEREFORE, be it

RESOLVED: That the Fiscal Year 2022 Materials Innovation and Recycling Authority Operating Budget attached hereto as Exhibit A be adopted substantially in the form as presented and discussed at this meeting.

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, and Director Weisselberg voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		

Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr, CSWS Ad Hoc	X		

REVIEW AND RECOMMEND RESOLUTION REGARDING ADDITIONAL PROJECTED LEGAL EXPENDITURES.

Chairman Stein requested a motion on the above referenced item. Director Adams made the motion which was seconded by Director Barlow.

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

WHEREAS, the Board of Directors has previously authorized certain amounts for payment of fiscal year 2021 projected legal fees; and

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

NOW THEREFORE, it is RESOLVED: That the following additional amount be authorized for payment of projected legal fees and costs to be incurred during fiscal year 2021:

Firm:

Amount:

Halloran & Sage

\$300,000

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, Director Weisselberg and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr, CSWS Ad Hoc	X		

RESOLUTION TO ADD A MOTION REGARDING 3-YEAR AGREEMENT FOR INSURANCE CONSULTING AND BROKER SERVICES TO THE AGENDA.

Chairman Stein requested a motion to add the above-referenced item to the agenda. Director Adams made the motion which was seconded by Director Fortuna.

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, Director Weisselberg and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain

Tom Swarr, CSWS Ad Hoc	X		

REVIEW AND RECOMMEND RESOLUTION REGARDING 3-YEAR AGREEMENTS FOR INSURANCE CONSULTING AND BROKER SERVICES.

Chairman Stein requested a motion on the above referenced item. Director Adams made the motion which was seconded by Director Weisselberg.

RESOLVED: That the President is hereby authorized to execute an agreement with the following firm for Insurance Consulting and Broker Services, substantially as presented and discussed at this meeting:

☐ Beecher Carlson Insurance Services LLC

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, Director Weisselberg and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr, CSWS Ad Hoc	X		

EXECUTIVE SESSION

Chairman Stein requested a motion to enter into Executive Session to discuss pending litigation related to FCR, LLC v. MIRA and to MIRA's consideration of action to assert its legal rights. The motion was made by Director Adams and seconded by Director Barlow. Chairman Stein requested that the following people remain for the Executive Session, in addition to the Board members:

Tom Kirk
Mark Daley
Peter Egan
Laurie Hunt
Ann Catino
Bill Wilson
Dan Krisch

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, Director Weisselberg and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr, CSWS Ad Hoc	X		

MOTION TO ADD CERTAIN TRADE SECRET INFORMATION PERTAINING TO POTENTIAL FUTURE SOLID WASTE DISPOSAL PROCESSES TO EXECUTIVE SESSION.

Chairman Stein requested a motion on the above-referenced item. Director Fortuna made the motion which was seconded by Director Adams.

The motion previously made and seconded was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Shanley, Director Hayden, Director Fortuna, Director Weisselberg and Ad Hoc Swarr voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice Chairman Barlow	X		
John Adams	X		
Jim Hayden	X		
Scott Shanley	X		
Carl Fortuna	X		
Susan Weisselberg	X		
Ad Hoc Members	Aye	Nay	Abstain
Tom Swarr, CSWS Ad Hoc	X		

Executive Session began at 10:05 a.m. and concluded at 12:10 p.m. Chairman Stein noted that no votes were taken in Executive Session, and adjourned the meeting.

Respectfully Submitted,

Kanchan Arora
Consultant

TAB 3

RESOLUTION REGARDING AMENDMENT TO MINUTES OF THE MAY 13, 2020, MAY 28, 2020, JUNE 10, 2020, JULY 15, 2020, and AUGUST 12, 2020 BOARD OF DIRECTORS MEETINGS

RESOLVED: That the Minutes of both the May 13, 2020 Regular Board Meeting and the May 28, 2020 Special Board Meeting be, and they hereby are, amended as set forth below.

The first sentence under the heading EXECUTIVE SESSION is deleted, and the following is inserted in its place:

Chairman Stein requested a motion to enter into Executive Session to discuss pending responses to the Connecticut DEEP Request for Proposals in the solicitation known as Resources Rediscovery, pursuant to C.G.S. Section 1-210(b)(24), and the contents of feasibility estimates and evaluations made by or for MIRA relative to the prospective public supply contract with Sacyr Rooney Recovery Team Ltd. in the same solicitation, pursuant to C.G.S. Section 1-210(b)(7);

and

FURTHER RESOLVED: That the Minutes of the June 10, 2020 Regular Board Meeting be, and they hereby are, amended as set forth below.

The first sentence under the heading EXECUTIVE SESSION is deleted, and the following is inserted in its place:

Chairman Stein requested a motion to enter into Executive Session to discuss pending responses to MIRA's Request for Proposals for Delivery of Interruptible Contract Waste for FY 2021 and to the Connecticut DEEP Request for Proposals in the solicitation known as Resources Rediscovery, pursuant to C.G.S. Section 1-210(b)(24), and the contents of feasibility estimates and evaluations made by or for MIRA relative to the prospective public supply contract with Sacyr Rooney Recovery Team Ltd., pursuant to C.G.S. Section 1-210(b)(7);

and

FURTHER RESOLVED: That the Minutes of the July 15, 2020 Regular Board Meeting be, and they hereby are, amended as set forth below.

The first sentence under the heading EXECUTIVE SESSION is deleted, and the following is inserted in its place;

Chairman Stein requested a motion to enter into Executive Session to discuss MIRA's consideration of action to assert its legal rights pursuant to C.G.S. Section 1-210(b)(4);

and

FURTHER RESOLVED: That the Minutes of the August 12, 2020 Regular Board Meeting be, and they hereby are, amended as set forth below.

The first sentence under the heading EXECUTIVE SESSION is deleted, and the following is inserted in its place:

Chairman Stein requested a motion to enter into Executive Session to discuss pending responses to the Connecticut DEEP Request for Proposals in the solicitation known as Resources Rediscovery, pursuant to C.G.S. Section 1-210(b)(24), and the contents of feasibility estimates and evaluations made by or for MIRA relative to the prospective public supply contract with Sacyr Rooney Recovery Team Ltd. in the same solicitation, pursuant to C.G.S. Section 1-210(b)(7).

TAB 4

Finance Committee Recommendation

The attached resolution provides for an increase to the current cap on transfers to the CSWS Tip Fee Stabilization Fund.

The ongoing utility of the cap under current CSWS financial circumstances, and financial reporting practices, was discussed at Finance Committee.

The Finance Committee is recommending elimination of the cap on transfers to the Tip Fee Stabilization Fund and continuation of monthly reporting on the status of such fund.

The Finance Committee prefers to discuss the attached resolution in this context at the December 2020 Board of Director's meeting.

ATTACHMENT 4

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING INCREASING THE CAP ON FY 2021 TRANSFERS TO THE CSWS TIP FEE STABILIZATION FUND

WHEREAS, The Materials Innovation and Recycling Authority ("Authority") Board of Directors adopted its Fiscal Year 2021 Property Division Operating and Capital Budget ("Property Division Budget") at its December 11, 2019 meeting; and

WHEREAS, The Property Division Budget provided total operating income of \$7,792,744 and authorized the transfer of \$5,000,000 in Property Division receipts to the CSWS Tip Fee Stabilization Fund and \$2,792,744 in Property Division receipts to the Property Division General Fund ("Authorized Transfers"); and

WHEREAS, The Property Division Budget further included a budget for the purchase of jet fuel in the amount of \$1,008,000; and

WHEREAS, As of the transfer of Property Division receipts for the month of November 2020, \$4,175,883.17 in FY 2021 receipts has been transferred to the CSWS Tip Fee Stabilization Fund and the Authority projects to reach such Authorized Transfers to the CSWS Tip Fee Stabilization Fund on or before the distribution of receipts for the month of January 2021; and

WHEREAS, The CSWS has experienced deficits in FY 2021 budget versus actual operating revenue documented in presentation material titled "Covid 19 Related and Other Impacts and Adaptations", reviewed with the Authority Finance Committee on July 8, 2020 and attached hereto; and

WHEREAS, Such presentation material identified \$9.96 million in reduced CSWS operating revenue expectations, \$5.42 million in corresponding net CSWS operating expense reductions implemented administratively by management, and \$4.54 million in estimated future actions that would require Authority Board approval in the event CSWS economic circumstances did not improve by mid-fiscal year; and

WHEREAS, such CSWS economic circumstances have not improved; and

WHEREAS, The Property Division continues to experience surplus FY 2021 budget versus actual operating income.

NOW THEREFORE, be it

RESOLVED: That the Fiscal Year 2021 Property Division Budget for jet fuel is hereby reduced by \$600,000 to \$408,000; and

FURTHER RESOLVED: That the Fiscal Year 2021 Property Division Budget for total operating income is increased by \$600,000 to \$8,392,744; and

FURTHER RESOLVED: That Fiscal Year 2021 Authorized Transfers of Property Division receipts to the CSWS Tip Fee Stabilization Fund are hereby increased by \$2,000,000 to \$7,000,000; and

FURTHER RESOLVED: That Fiscal Year 2021 Authorized Transfers of Property Division receipts to the Property Division General Fund are hereby reduced by \$1,400,000 to \$1,392,744; and

FURTHER RESOLVED: That all other terms and conditions of the Property Division Budget resolution concerning the adopted budgets and distribution of funds remain in full force and effect.

MATERIALS INNOVATION AND RECYCLING AUTHORITY

1

ATTACHMENT 2

CSWS DIVISION

FY 2021 OPERATING AND CAPITAL BUDGET STATUS

COVID 19 RELATED AND OTHER IMPACTS AND ADAPTATIONS

JULY 8, 2020

FINANCE COMMITTEE

MIRA BOARD OF DIRECTORS

Operating Revenue Reduced \$9.96 Million

2

- **Waste Hauler Deliveries:**
 - Contracting Completed @ \$93 Per Ton Budget
 - Commitments 12,316 Tons Under Budget
 - Revenue \$1,145,388 Under Budget
- **Interruptible Contract Deliveries:**
 - Contracting Completed @ \$76 Per Ton (\$1.00 Above Budget)
 - Commitments 46,946 Tons Under Budget
 - Revenue \$3,494,950 Under Budget
- **Energy Generation and Pricing:**
 - Generation Budget Reduced by 30 Million Kwh
 - Electricity Sales Price Reduced from \$0.034 to \$0.020 Per Kwh
 - Renewable Energy Credits Held at \$12 Per Mwh
 - Revenue \$5,202,000 Under Budget
- **Metal Sales and Residue:**
 - \$121,320 Under Budget
- **Total Operating Revenue Reduction -**
\$9,963,658

Operating Expenses Reduced \$5.42 Million (Net)

3

• Insurance Premiums Increased -	\$1,695, 673
• Adopted Operational Contingency Applied -	(\$1,578,053)
• Ash Disposal Cost Reduced -	(\$1,042,388)
• NAES Contract Operating Expense Reduced -	(\$ 678,959)
• CSWS Major Maintenance Reduced -	(\$3,730,000)
• Solid Waste Assessment Reduced -	<u>(\$ 88,500)</u>
• Net Operating Expense Reduction -	(\$5,422,227)
• Implemented Through:	
○ Budget Modification (Processed Through Purchasing System)	
○ Modified Flow of Funds (CSWS Operating and Major Maintenance Funding Distributions)	
○ Formal Correspondence / Instructions to NAES	
• Estimated Future Actions -	<u>\$4,541,431</u>

Potential Future Actions

4

- Tip Fee Stabilization Funding:
 - FY 2021 Property Division Income Not Applied in FY 2021 Budget -
(Board Action Required) \$2,792,744
- FY 2021 Property Division Budget Modification:
 - Adopted Funding for Jet Fuel - \$1,008,000
 - Division Share of Insurance Impact - (\$368,942)
 - Net Potential Additional Funds for Tip Fee Stabilization
(Board Action Required) \$ 639,058
- Potential Use of Existing Reserves -
(Board Action Required) \$1,109,629
- Ongoing Activities:
 - Monitoring of Energy Markets
 - Second Phase Bidding of Interruptible Contract Waste
 - Evaluation of Insurance Requirements

TAB 5

ATTACHMENT 5
RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS
REGARDING ADOPTION OF THE FISCAL YEAR 2022 PROPERTY DIVISION OPERATING AND CAPITAL
BUDGETS

WHEREAS, The Materials Innovation and Recycling Authority ("Authority") maintains a Property Division for certain revenue producing assets not in service to its Connecticut Solid Waste System; and

WHEREAS, The Authority has previously established certain reserve funds for the retention, transfer and use of its Property Division income consistent with its statutory purposes which reserve funds currently include, but are not limited to, a Tip Fee Stabilization Fund intended to be drawn upon by the Connecticut Solid Waste System (CSWS) during periods of relatively low Non-Disposal Fee Revenue, and subsequently refunded contingent on future CSWS financial performance, as a means to mitigate inflationary pressures on CSWS solid waste disposal fees, a Property Division Improvement Fund, Jets Major Maintenance Fund, MIRA Severance Fund, Property Division General Fund and CSWS Improvement Fund; and

WHEREAS, The Authority annually adopts a Property Division Operating and Capital Budget and directs the distribution of its Property Division income to such funds in support of CSWS and Property Division operations and its other organizational needs; and

WHEREAS, The Authority anticipates that declining CSWS Non Disposal Fee Revenue, the operational performance of the CSWS Resource Recovery Facility and required transition to a new operating agreement for the CSWS Recycling Facility will continue to put added pressure on CSWS tip fees in connection with the development of its Fiscal Year 2022 operating and capital budgets necessitating additional contributions to the CSWS Tip Fee Stabilization Fund.

NOW THEREFORE, be it

RESOLVED: That the Fiscal Year 2022 Materials Innovation and Recycling Authority Operating and Capital Budgets for the Property Division attached hereto as Exhibit A be adopted substantially in the form as presented in Exhibit B attached hereto and discussed at this meeting; and

FURTHER RESOLVED: That effective with the disbursement of receipts for the period ending July 31, 2021 and continuing through and including the disbursement of receipts for the period ending June 30, 2022, the Board of Directors authorizes \$7,170,656 in Property Division receipts remaining within the Property Division Clearing Account after disbursement to the Property Division Operating STIF to be transferred directly to the CSWS Tip Fee Stabilization Fund in lieu of the Property Division General Fund, and the heretofore established maximum Tip Fee Stabilization Fund value is hereby increased by the amount of such transfers. Management is directed to report monthly to the Board on the status of such transfers to the Tip Fee Stabilization Fund which shall not exceed \$7,170,656 during this period without further Board authorization.

Exhibit A - Page 1

Materials Innovation and Recycling Authority
FY 2022 Proposed Draft Operating Budget

Property Division

	FY 2020		Variance	FY 2021	FY 2022	Better (Worse) Than FY 2021	
	Budget	Actual	Better (Worse)	Adopted	Proposed	\$	%
REVENUES							
Use of Reserves	\$ -	\$ -	\$ -	\$ 389,000	\$ -	\$ (389,000)	n/a
Operating Revenue:							
Jets Electric:							
Capacity Payments	\$ 12,273,828	\$ 12,451,450	\$ 177,622	\$ 9,340,464	\$ 8,128,655	\$ (1,211,809)	-13.0%
VARs Payments	\$ 50,400	\$ 38,229	\$ (12,171)	\$ 39,108	\$ 38,211	\$ (897)	-2.3%
Reserve Credits	\$ 600,000	\$ 795,742	\$ 195,742	\$ 600,000	\$ 600,000	\$ -	0.0%
Real Time Energy	\$ 300,000	\$ 165,253	\$ (134,747)	\$ 200,000	\$ 450,000	\$ 250,000	125.0%
Total Jets Electric	\$ 13,224,228	\$ 13,450,674	\$ 226,446	\$ 10,179,572	\$ 9,216,866	\$ (962,706)	-9.5%
Lease Income:							
CSWS Murphy Road	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
Golf Center	\$ 19,965	\$ 19,965	\$ -	\$ 19,965	\$ 19,965	\$ -	0.0%
Wheelabrator Lease	\$ 431,348	\$ 456,949	\$ 25,601	\$ 456,949	\$ 456,949	\$ -	0.0%
Jets Billboard	\$ 45,350	\$ 45,350	\$ -	\$ 45,350	\$ 45,350	\$ -	0.0%
Total Lease Income	\$ 496,663	\$ 522,264	\$ 25,601	\$ 522,264	\$ 522,264	\$ -	0.0%
Interest Income	\$ 150,000	\$ 293,432	\$ 143,432	\$ 300,000	\$ 250,000	\$ (50,000)	-16.7%
Total Operating Revenue	\$ 13,870,891	\$ 14,266,370	\$ 395,479	\$ 11,001,836	\$ 9,989,130	\$ (1,012,706)	-9.2%
TOTAL REVENUES AND USE OF RESERVES	\$ 13,870,891	\$ 14,266,370	\$ 395,479	\$ 11,390,836	\$ 9,989,130	\$ (1,401,706)	-12.3%
EXPENDITURES							
MIRA Total Allocated Costs	\$ 805,844	\$ 747,226	\$ 58,618	\$ 841,375	\$ 842,376	\$ (1,001)	-0.1%
MIRA Non-Personnel Services	\$ 247,169	\$ 341,010	\$ (93,841)	\$ 286,065	\$ 213,860	\$ 72,205	25.2%
Railroad Maintenance	\$ 10,500	\$ 10,050	\$ 450	\$ 10,500	\$ 10,500	\$ -	0.0%
211 Murphy Road Ops. Center	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	n/a
171 Murphy Road	\$ 26,915	\$ 14,556	\$ 12,359	\$ 27,015	\$ 27,215	\$ (200)	-0.7%
Jets Operating Charges	\$ 2,017,898	\$ 1,376,983	\$ 640,915	\$ 2,044,137	\$ 1,724,523	\$ 319,614	15.6%
TOTAL ACCRUED EXPENDITURES	\$ 3,108,326	\$ 2,489,825	\$ 618,501	\$ 3,209,092	\$ 2,818,474	\$ 390,618	12.2%
OPERATING INCOME	\$ 10,762,565	\$ 11,776,545	\$ 1,013,980	\$ 7,792,744	\$ 7,170,656	\$ (622,088)	-8.0%
Use of Jets Major Maintenance Reserve	\$ -	\$ -	\$ -	\$ 389,000	\$ -	\$ (389,000)	-100.0%
INCOME AND USE OF RESERVES	\$ 10,762,565	\$ 11,776,545	\$ 1,013,980	\$ 7,792,744	\$ 7,170,656	\$ (622,088)	-8.0%
DISTRIBUTION OF INCOME							
MIRA Severance	\$ 800,000	\$ 800,000	\$ -	\$ -	\$ -	\$ -	n/a
Jets Major Maintenance Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!
PD Improvement Fund	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	#DIV/0!
Tip Fee Stabilization Fund	\$ 8,700,000	\$ 9,600,000	\$ 900,000	\$ 5,000,000	\$ 7,170,656	\$ 2,170,656	43.4%
General Fund (Net)	\$ 1,062,565	\$ 1,244,077	\$ 181,512	\$ 2,792,744	\$ -	\$ (2,792,744)	-100.0%
TOTAL DISTRIBUTIONS	\$ 10,762,565	\$ 11,844,077	\$ 1,081,512	\$ 7,792,744	\$ 7,170,656	\$ (622,088)	-8.0%
SURPLUS / (DEFICIT) *	\$ -	\$ (67,532)	\$ (67,532)	\$ -	\$ -	\$ -	n/a

* Actual Distribution of PD Operating Income shown for FY 2020 reflects execution of the flow of funds procedure undertaken to fund each months budget in advance. The actual surplus / deficit shown for FY 2020 represents both i) the difference between accrual based income and monthly advance cash distributions, and ii) the accumulation of funds within the Property Division general fund and operating accounts due to budget versus actual expenditure variance.

EXHIBIT B - MATERIALS INNOVATION AND RECYCLING AUTHORITY



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

SUMMARY DRAFT BUDGET

▶ Total Operating Revenues -	\$9,989,130
▶ Total Operating Expenses -	<u>\$2,818,474</u>
▶ Operating Income -	\$7,170,656

▶ Property Division FY 2022 Flow of Funds:

▶ MIRA Severance Reserve -	\$0
▶ PD General Fund -	\$0
▶ Jets Major Maintenance Reserve -	\$0
▶ PD Improvement Fund -	\$0
▶ CSWS Improvement Fund -	\$0
▶ Tip Fee Stabilization Fund -	<u>\$ 7,170,656</u>
▶ Total Reserves / Transfers -	\$ 7,170,656

HIGHLIGHTS

- ▶ **Operating Revenues decline by \$1,012,705 (9.2%) from FY 2021 to FY 2022 budget:**
 - ▶ Jets capacity payments decline from \$5.297 per kilowatt month under FCA 11 to \$4.63 under FCA 12.
 - ▶ Increase in real time energy sales reflects current FY 2021 trend.
 - ▶ No change in lease revenue.
 - ▶ Interest income declining with interest rates.
- ▶ **Operating Expenses decline by \$390,618 (12.2%) from FY 2021 to FY 2022 budget:**
 - ▶ Allocated Authority Budget and direct personnel increase by \$1,001 (0.1%).
 - ▶ MIRA direct non personnel decrease by \$72,205 (25.2%).
 - ▶ **Primarily due to property insurance transition away from full Waste to Energy Facility coverage.**
 - ▶ Jets operating charges decline by \$319,614 (15.6%) reflecting:
 - ▶ Decrease to Jet fuel budget of \$336,000 (33.3%).
 - ▶ NAES contract operating charges increase \$16,386 (2.1%).
 - ▶ No change in MIRA operating expenses.
- ▶ **\$7.17 million in Operating Income represents an 8.0% decline from FY 2021.**

TOTAL OPERATING REVENUE

▶ Electric Generation from Jets-		\$9,216,866
▶ Forward Capacity Market -	\$ 8,128,655	
▶ Reserve Time -	\$ 600,000	
▶ Real Time -	\$ 450,000	
▶ VAR Payments -	\$ 38,211	
▶ Total -	\$ 9,216,866	
▶ Other Property -		\$ 522,264
▶ Wheelabrator (Bridgeport) Lease -	\$ 456,949	
▶ Jets Billboard -	\$ 45,350	
▶ Golf Center -	\$ 19,965	
▶ Total -	\$ 522,264	
▶ Interest Income -		\$ <u>250,000</u>
▶ Total Operating Revenue -		\$9,989,130

TOTAL OPERATING EXPENSE

▶ MIRA Allocated Costs-		\$842,376
▶ Authority Budget - Personnel Services -	\$559,376	
▶ Authority Budget - Non Personnel Services -	\$162,308	
▶ Direct Personnel Services -	<u>\$120,692</u>	
▶ Total Allocated Costs -	\$842,376	
▶ MIRA Direct Non Personnel Services -		\$213,860
▶ Insurance (including allocated portion of \$1 million property premium) -	\$193,560	
▶ Legal -	\$ 5,000	
▶ Other -	\$ 15,300	
▶ Total Direct Non Personnel -	\$213,860	
▶ Other Property O&M -		\$ 37,715
▶ 171 Murphy Road -	\$ 27,215	
▶ Railroad Maintenance -	<u>\$ 10,500</u>	
▶ Total Other Property-	\$ 37,715	

TOTAL OPERATING EXPENSE

► JETS O&M - \$1,724,523

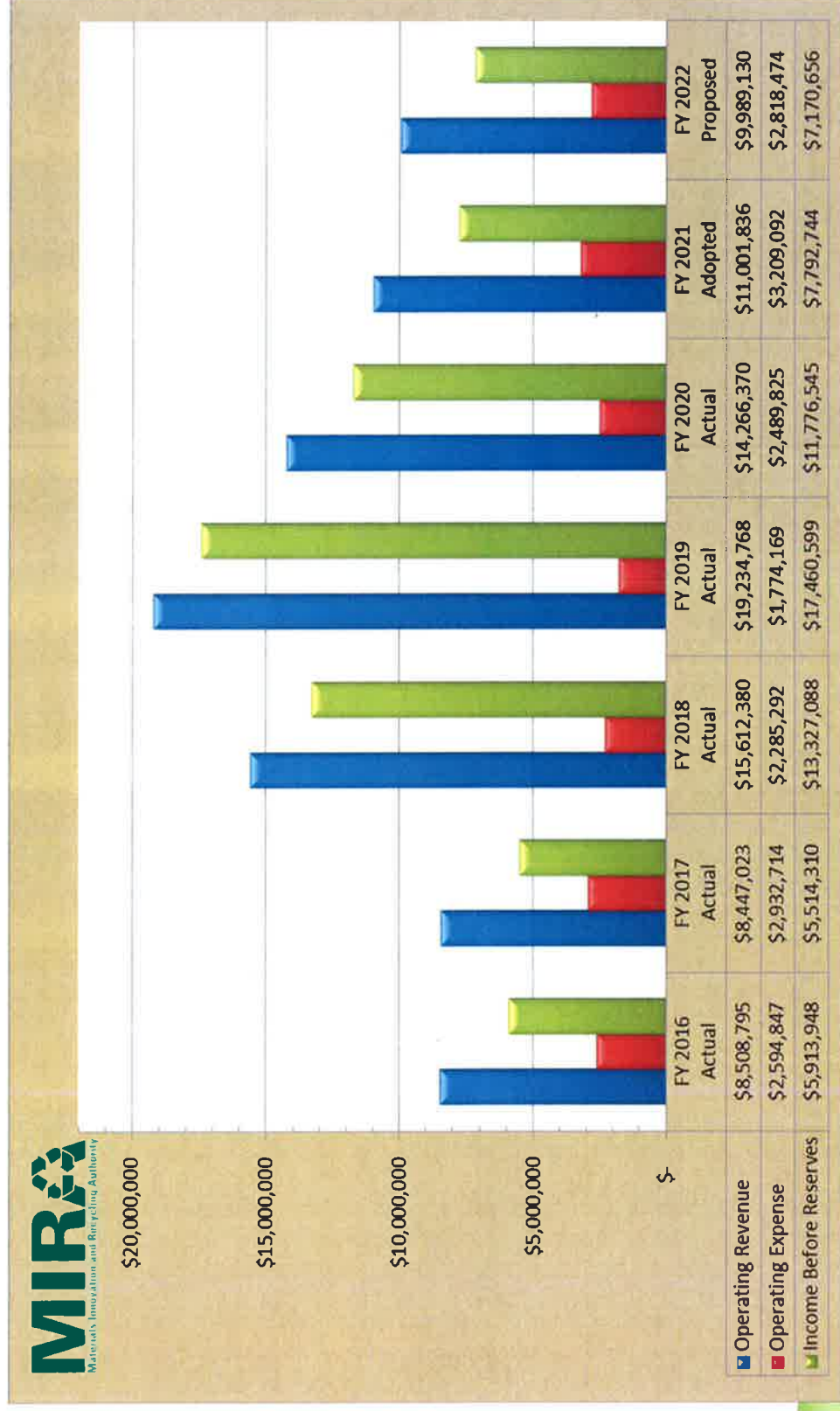
Operating Expense	NAES Contract	MIRA Related	Total
Fuel for Twin Packs	\$ 0	\$672,000	\$672,000
Management Fee and Incentive	\$ 119,467	\$ 0	\$ 119,467
Home Office Support	\$ 66,652	\$ 0	\$ 66,652
Direct Labor & Overhead	\$ 150,327	\$ 0	\$ 150,327
Employee Incentive Bonus	\$ 8,922	\$ 0	\$ 8,922
Operations & Maintenance	\$ 439,555	\$ 267,600	\$ 707,155
Total Operating Expense	\$ 784,923	\$ 939,600	\$1,724,523

► Total Operating Expense \$2,818,474

CAPITAL IMPROVEMENTS / MAJOR MAINTENANCE

- ▶ Any proposed projects dedicated to preserving the capacity of the Jets will be funded from the existing Jets Major Maintenance Reserve subject to future Board approval.
- ▶ Current balance in the Jets Major Maintenance Reserve is \$1,078,000.
- ▶ No Further Contribution to Jets Major Maintenance Reserve.
- ▶ No projects are proposed / scheduled for other assets assigned to MIRA's Property Division.
- ▶ All FY 2022 Property Division Operating Income dedicated to Tip Fee Stabilization Fund

PROPERTY DIVISION INCOME TREND



TAB 6

ATTACHMENT 6
RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS
REGARDING ADOPTION OF THE FISCAL YEAR 2022 LANDFILL DIVISION OPERATING BUDGET

RESOLVED: That the Fiscal Year 2022 Materials Innovation and Recycling Authority Operating Budget for the Landfill Division attached hereto as Exhibit A be adopted substantially in the form as presented and discussed at this meeting.

MIRA - LANDFILL DIVISION

REVENUES

ACCOUNT	DESCRIPTION	ACTUAL FY20	ADOPTED FY21	PROPOSED FY22
51-001-000-43101	Electricity Sales to the City of Hartford	\$ 67,545	\$ 67,005	\$ 66,673
51-001-000-43106	ZREC/Energy Payments from Eversource	\$ 116,203	\$ 163,790	\$ 162,979
51-001-000-xxxxx	Miscellaneous Income	\$ 133,300	\$ 23,000	\$ 53,237
51-001-000-46101	Interest Income	\$ 7,913	\$ -	\$ -
Total Revenues		\$ 324,960	\$ 253,795	\$ 282,889

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL FY20	ADOPTED FY21	PROPOSED FY22
51-001-501-xxxxx	MIRA Operating Expenses	\$ 315	\$ 3,900	\$ 3,900
51-001-501-52856	Legal	\$ 3,192	\$ 10,000	\$ 10,000
51-001-501-52611	ZREC Income Share with City of Hartford	\$ 58,101	\$ 55,646	\$ 55,166
51-001-501-52640	Insurance Premium	\$ 40,321	\$ 55,559	\$ 61,800
51-001-501-52701	Contract Operating Charges	\$ (6,410)	\$ 15,270	\$ 15,270
51-001-501-52875	Insurance Consulting & Brokerage	\$ 2,363	\$ 2,480	\$ 3,321
51-001-501-56605	Construction	\$ 11,603	\$ -	\$ -
51-001-501-57871	Authority Budget Allocation BOD	\$ 79,074	\$ 82,633	\$ 79,158
Total Expenditures		\$ 188,558	\$ 225,488	\$ 228,615
NET INCOME/(LOSS)		\$ 136,402	\$ 28,307	\$ 54,274
51-001-501-57871	Resource Rediscovery *	\$ 542,872	\$ -	\$ -

* FY20 Resource Rediscovery reflects legal, consulting, and other expenses related to the redevelopment of the Waste Processing Facility.

TAB 7

ATTACHMENT 7

DRAFT CSWS Trash to Energy Facility Budgets

Exhibit A: Summary Trash to Energy Facility Budgets

Exhibit A – 1: MIRA Facility Operating Expenses

Exhibit A – 2: NAES Waste Processing Facility Administrative
NAES Waste Processing Facility Operating
NAES Waste Processing Facility Maintenance

Exhibit A – 3: NAES Power Block Facility Administrative
NAES Power Block Facility Operating
NAES Power Block Facility Maintenance

Exhibit A – 4: NAES Home Office Support (FY 2020 Actual Detail)

Exhibit A

Materials Innovation and Recycling Authority

FY 2022 Budget Development

CSWS Cost of Operation

Summary Trash to Energy Facility Budgets (December 9, 2020 Finance)

DRAFT SCENARIO - 6/30/2022 COMPLETED TRANSITION

500,000 Tons of MSW Processed

Pairs with Added \$5.4 Million Major Maintenance / CIP Program

	FY 2020 Actual	FY 2021 Adopted	FY 2022 Proposed	Variance (FY 2021 to FY 2022)		Variance (FY 2020 to FY 2022)	
MIRA Facilities Operating Expenses	\$ 1,444,254	\$ 1,488,142	\$ 1,433,266	\$ (54,876)	-3.7%	\$ (10,988.00)	-0.8%
NAES WPF Contract Operating Charges							
Payroll (54.5 FTE Positions)	\$ 3,294,720	\$ 3,931,402	\$ 4,135,105	\$ 203,703	5.2%	\$ 840,385	25.5%
Overtime	\$ 610,583	\$ 767,079	\$ 808,501	\$ 41,422	5.4%	\$ 197,918	32.4%
Benefits and Related	\$ 1,340,125	\$ 1,900,787	\$ 1,999,574	\$ 98,787	5.2%	\$ 659,449	49.2%
Sub-total: Labor	\$ 5,245,428	\$ 6,599,268	\$ 6,943,180	\$ 343,912	5.2%	\$ 1,697,752	32.4%
Administrative Expense	\$ 153,488	\$ 158,000	\$ 184,000	\$ 26,000	16.5%	\$ 30,512	19.9%
Maintenance Expense	\$ 3,485,116	\$ 3,559,980	\$ 3,202,980	\$ (357,000)	-10.0%	\$ (282,136)	-8.1%
Operating Expense	\$ 1,115,984	\$ 1,165,500	\$ 1,236,600	\$ 71,100	6.1%	\$ 120,616	10.8%
Sub-total: O&M	\$ 4,754,589	\$ 4,883,480	\$ 4,623,580	\$ (259,900)	-5.3%	\$ (131,009)	-2.8%
Sub-total: WPF	\$ 10,000,017	\$ 11,482,748	\$ 11,566,760	\$ 84,012	0.7%	\$ 1,566,743	15.7%
NAES PBF Contract Operating Charges							
Payroll (59.5 FTE Positions)	\$ 4,051,161	\$ 4,864,736	\$ 5,010,744	\$ 146,008	3.0%	\$ 959,583	23.7%
Overtime	\$ 1,574,853	\$ 1,109,023	\$ 1,134,000	\$ 24,977	2.3%	\$ (440,853)	-28.0%
Benefits and Related	\$ 1,691,641	\$ 2,391,822	\$ 2,462,061	\$ 70,239	2.9%	\$ 770,420	45.5%
Sub-total: Labor	\$ 7,317,655	\$ 8,365,581	\$ 8,606,805	\$ 241,224	2.9%	\$ 1,289,150	17.6%
Administrative Expense	\$ 162,391	\$ 276,270	\$ 276,270	\$ -	0.0%	\$ 113,879	70.1%
Maintenance Expense	\$ 9,635,256	\$ 8,103,055	\$ 8,614,106	\$ 511,051	6.3%	\$ (1,021,150)	-10.6%
Operating Expense	\$ 4,661,366	\$ 4,171,284	\$ 4,201,307	\$ 30,023	0.7%	\$ (460,059)	-9.9%
Sub-total: O&M	\$ 14,459,013	\$ 12,550,609	\$ 13,091,683	\$ 541,074	4.3%	\$ (1,367,330)	-9.5%
Sub-total: PBF	\$ 21,776,668	\$ 20,916,190	\$ 21,698,488	\$ 782,298	3.7%	\$ (78,180)	-0.4%
Total NAES Contract Operating Charges	\$ 31,776,685	\$ 32,398,937	\$ 33,265,248	\$ 866,311	2.7%	\$ 1,488,563	4.7%
NAES On-Site Incentive Compensation							
Maximum Opportunity:							
WPF (54.5 FTE Positions)	N/A Actual	\$ 503,336	\$ 529,203	\$ 25,867	5.1%		
PBF (59.5 FTE Positions)	N/A Actual	\$ 668,784	\$ 689,526	\$ 20,742	3.1%		
Sub-total: Max Opportunity Incentives	\$ -	\$ 1,172,120	\$ 1,218,729	\$ 46,609	4.0%	\$ 1,218,729	100.0%
85% Budgeted / Funded Opportunity:							
WPF (54.5 FTE Positions)	\$ 394,869	\$ 427,836	\$ 449,822	\$ 21,987	5.1%	\$ 54,954	13.9%
PBF (59.5 FTE Positions)	\$ 583,849	\$ 568,466	\$ 586,097	\$ 17,631	3.1%	\$ 2,248	0.4%
Sub-total: Budgeted Incentives	\$ 978,718	\$ 996,302	\$ 1,035,919	\$ 39,618	4.0%	\$ 57,201	5.8%
NAES Management Fees & Charges							
Management Fee	\$ 455,546	\$ 467,588	\$ 476,199	\$ 8,611	1.8%	\$ 20,653	4.5%
Incentive Compensation	\$ 386,744	\$ 397,450	\$ 404,769	\$ 7,319	1.8%	\$ 18,025	4.7%
Allocated GL (Management)	\$ 5,482	\$ 5,593	\$ 7,352	\$ 1,759	31.5%	\$ 1,870	34.1%
Allocated GL (Labor)	n/a	\$ -	\$ 144,281	\$ 144,281	100.0%	n/a	100.0%
Sub-total	\$ 847,772	\$ 870,631	\$ 1,032,601	\$ 161,970	18.6%	\$ 184,829	21.8%
Home Office Support	\$ 294,673.28	\$ 364,582	\$ 366,432	\$ 1,850	0.5%	\$ 71,759	24.4%
Allocated GL	\$ 2,060	\$ 2,357	\$ 3,058	\$ 701	29.7%	\$ 998	48.5%
Sub-total	\$ 296,733	\$ 366,939	\$ 369,490	\$ 2,551	0.7%	\$ 72,757	24.5%
Sub-total: Management Fees & Charges	\$ 1,144,505	\$ 1,237,570	\$ 1,402,091	\$ 164,521	13.3%	\$ 257,586	22.5%
Total Trash to Energy Facility	\$ 35,344,162	\$ 36,120,951	\$ 37,136,525	\$ 1,015,573	2.8%	\$ 1,792,362	5.1%

Exhibit A-1
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
	<u>Adopted</u>	<u>Proposed</u>	<u>Variance</u>	<u>%</u>
<u>MIRA FACILITIES OPERATING EXPENSES</u>				
Telecommunications	\$ 2,100	\$ 2,341	\$ 241	11.5%
Building Operations	\$ 9,000	\$ 9,350	\$ 350	3.9%
Electricity	\$ 100	\$ 100	\$ -	0.0%
Computer Hardware	\$ -	\$ -	\$ -	100.0%
Project Equipment Maintenance	\$ 4,800	\$ 4,800	\$ -	0.0%
Fees/Licenses/Permits	\$ 5,875	\$ 5,875	\$ -	0.0%
Other Operating Charges	\$ 126,267	\$ 34,600	\$ (91,667)	-72.6%
Engineering Consultants	\$ 47,200	\$ 47,200	\$ -	0.0%
Environmental Testing	\$ 13,800	\$ 15,800	\$ 2,000	14.5%
Subtotal MIRA WPF Operating Expenses	\$ 209,142	\$ 120,066	\$ (89,076)	-42.6%
 Fees/Licenses/Permits	\$ 424,700	\$ 403,300	\$ (21,400)	-5.0%
Power Products Management Fee	\$ 129,000	\$ 129,000	\$ -	0.0%
Engineering Consultants	\$ 22,700	\$ 22,200	\$ (500)	-2.2%
Environmental Testing	\$ 57,600	\$ 61,700	\$ 4,100	7.1%
Electricity	\$ 220,000	\$ 275,000	\$ 55,000	25.0%
Other Utilities	\$ 425,000	\$ 422,000	\$ (3,000)	-0.7%
Subtotal MIRA PBF Operating Expenses	\$ 1,279,000	\$ 1,313,200	\$ 34,200	2.7%
 Total MIRA Facilities Operating Expenses	<u>\$ 1,488,142</u>	<u>\$ 1,433,266</u>	<u>\$ (54,876)</u>	<u>-3.7%</u>

Exhibit A - 2 (Page 1 of 3)
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
<u>WPF Administrative</u>	<u>Adopted</u>	<u>Proposed</u>	<u>Variance</u>	<u>%</u>
Postage & Delivery	\$ 2,000	\$ 2,000	\$ -	0.0%
Telephones, Cell Phones	\$ 22,000	\$ 22,000	\$ -	0.0%
Copier	\$ 500	\$ 500	\$ -	0.0%
Printing and Reproduction	\$ 3,000	\$ 2,000	\$ (1,000)	-33.3%
Office Equipment	\$ 2,000	\$ 2,000	\$ -	0.0%
Office Supplies / Coffeeetc	\$ 8,000	\$ 10,000	\$ 2,000	25.0%
Miscellanies expenses / services WPF	\$ 5,000	\$ 5,000	\$ -	0.0%
Dues Professional Organizations	\$ -	\$ -	\$ -	100.0%
Travel & Meals	\$ 5,000	\$ 5,000	\$ -	0.0%
Training & Tuition Reimbursement	\$ 3,000	\$ 3,000	\$ -	0.0%
Mileage Reimbursement	\$ 500	\$ 500	\$ -	0.0%
Office Equipment Service	\$ 2,000	\$ 2,000	\$ -	0.0%
Freight & Shipping	\$ 55,000	\$ 65,000	\$ 10,000	18.2%
Information Technology Maintenance	\$ 50,000	\$ 65,000	\$ 15,000	30.0%
Insurance	\$ -	\$ -	\$ -	100.0%
Computer Hardware	\$ -	\$ -	\$ -	100.0%
Computer Software	\$ -	\$ -	\$ -	100.0%
	<u>\$ 158,000</u>	<u>\$ 184,000</u>	<u>\$ 26,000</u>	<u>16.5%</u>
Total Office Overhead	<u>\$ 158,000</u>	<u>\$ 184,000</u>	<u>\$ 26,000</u>	<u>16.5%</u>

Exhibit A - 2 (Page 2 of 3)
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
WPF Maintenance	Adopted	Proposed	Variance	%
OTHER VEHICLE REPAIR & MAINTENANCE	\$ 370,000	\$ 370,000	\$ -	0.0%
BUILDINGS	\$ 182,000	\$ 182,000	\$ -	0.0%
100A/200A* CONVEYORS	\$ 46,000	\$ 31,000	\$ (15,000)	-32.6%
100B*/200B* CONVEYORS	\$ 59,500	\$ 39,500	\$ (20,000)	-33.6%
101/201 CONVEYORS	\$ 27,000	\$ 17,000	\$ (10,000)	-37.0%
102/202 CONVEYORS	\$ 15,000	\$ 15,000	\$ -	0.0%
103/203 CONVEYORS	\$ 88,800	\$ 43,800	\$ (45,000)	-50.7%
104/204 SHREDDERS	\$ 291,500	\$ 165,000	\$ (126,500)	-43.4%
105/205 CONVEYORS	\$ 46,000	\$ 42,000	\$ (4,000)	-8.7%
107/207 BAGHOUSE	\$ -	\$ -	\$ -	100.0%
MAGNETS	\$ 60,000	\$ 30,000	\$ (30,000)	-50.0%
111/211 CONVEYORS	\$ 24,000	\$ 19,000	\$ (5,000)	-20.8%
401 CONVEYOR	\$ 33,700	\$ 28,700	\$ (5,000)	-14.8%
402 CONVEYOR	\$ 5,000	\$ 5,000	\$ -	0.0%
115/215 CONVEYORS	\$ 29,000	\$ 29,000	\$ -	0.0%
117/217 CONVEYORS	\$ 22,000	\$ 22,000	\$ -	0.0%
118/218 CONVEYORS	\$ 31,000	\$ 23,000	\$ (8,000)	-25.8%
119/120, 219/220 & 127/227 TROMMELS	\$ 60,500	\$ 41,000	\$ (19,500)	-32.2%
123/223 CONVEYORS	\$ 2,000	\$ 2,000	\$ -	0.0%
124/224 & 125/225 CONVEYORS	\$ 18,400	\$ 18,400	\$ -	0.0%
126/226 CONVEYORS	\$ 28,000	\$ 16,000	\$ (12,000)	-42.9%
128/228 CONVEYORS	\$ 2,000	\$ 2,000	\$ -	0.0%
130/230 CONVEYORS	\$ 65,000	\$ 65,000	\$ -	0.0%
131/231 SECONDARY SHREDDERS	\$ 517,500	\$ 316,000	\$ (201,500)	-38.9%
132/232 LUBE UNIT	\$ 2,500	\$ 2,500	\$ -	0.0%
133/233 CONVEYORS	\$ 10,000	\$ 10,000	\$ -	0.0%
138/238 CONVEYORS	\$ 43,500	\$ 39,500	\$ (4,000)	-9.2%
135/235 AIR LOCK/CYCLONE	\$ 700	\$ 700	\$ -	0.0%
137/237 AIR LOCK	\$ 2,500	\$ 2,500	\$ -	0.0%
139/239 CONVEYORS	\$ 21,000	\$ 21,000	\$ -	0.0%
140/240 PACKERS	\$ 21,800	\$ 21,800	\$ -	0.0%
136/236 BAGHOUSE	\$ 21,780	\$ 21,780	\$ -	0.0%
134/234 FAN	\$ 4,000	\$ 4,000	\$ -	0.0%
11G/21G/145 PICKING STATION	\$ 33,100	\$ 33,100	\$ -	0.0%
301/302 CONVEYORS	\$ 2,700	\$ 2,700	\$ -	0.0%
407/409/411/413/410/412/414/415 CONVEYORS	\$ 3,000	\$ 3,000	\$ -	0.0%
500 CONVEYORS	\$ 34,500	\$ 35,500	\$ 1,000	2.9%
RDF PUSH WALL REPAIRS (DISCHARGE OF PACKERS)	\$ 2,500	\$ 2,500	\$ -	0.0%
SWITCH GEAR	\$ 15,000	\$ 15,000	\$ -	0.0%
GROUNDS MAINTENANCE	\$ 37,000	\$ 47,000	\$ 10,000	27.0%
LOADER REPAIR & MAINTENANCE	\$ 1,155,000	\$ 1,190,000	\$ 35,000	3.0%
LUBRICANTS	\$ 35,000	\$ 53,000	\$ 18,000	51.4%
CONSUMABLES WELDING	\$ 20,000	\$ 12,000	\$ (8,000)	-40.0%
CONSUMABLES ELECTRICAL	\$ 8,000	\$ 8,000	\$ -	0.0%
CONSUMABLES MECHANICAL	\$ 60,000	\$ 150,000	\$ 90,000	150.0%
PLANT SUPPLIES OTHER (TOOLS)	\$ 2,500	\$ 5,000	\$ 2,500	100.0%
Total Maintenance Expenses	\$ 3,559,980	\$ 3,202,980	\$ (357,000)	-10.0%

Exhibit A - 2 (Page 3 of 3)
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
WPF Operating Costs	Adopted	Proposed	Variance	%
Protective Clothing & Uniforms	\$ 45,000	\$ 45,000	\$ -	0.0%
Janitorial Supplies & Contracting	\$ 10,000	\$ 10,000	\$ -	0.0%
Safety & Medical	\$ 70,000	\$ 133,600	\$ 63,600	90.9%
Fees / Licenses / Permits	\$ 2,000	\$ 2,000	\$ -	0.0%
Equipment Rental & Lease	\$ 3,000	\$ 3,000	\$ -	0.0%
Fuel (Vehicles & Equipment)	\$ 408,000	\$ 408,000	\$ -	0.0%
Contract Services (Other)	\$ 500,000	\$ 500,000	\$ -	0.0%
Engineering Services	\$ 10,000	\$ 10,000	\$ -	0.0%
Technical & Professional Services	\$ -	\$ -	\$ -	100.0%
Environmental Testing & Consulting	\$ 15,000	\$ 15,000	\$ -	0.0%
Natural Gas	\$ 80,000	\$ 80,000	\$ -	0.0%
Other Utilities Water & Sewer	\$ 20,000	\$ 30,000	\$ 10,000	50.0%
MCAPS	\$ 2,500	\$ -	\$ (2,500)	-100.0%
TOTAL OPERATING COSTS	\$ 1,165,500	\$ 1,236,600	\$ 71,100	6.1%

Exhibit A - 3 (Page 1 of 3)
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
	<u>Adopted</u>	<u>Proposed</u>	<u>Variance</u>	<u>%</u>
<u>PBF Administrative</u>				
Postage & Delivery	\$ 1,700	\$ 1,700	\$ -	0.0%
Telephones, Cell Phones, Internet Access	\$ 26,000	\$ 26,000	\$ -	0.0%
Copier Lease	\$ 9,000	\$ 9,000	\$ -	0.0%
Printing and Reproduction	\$ 2,000	\$ 2,000	\$ -	0.0%
Office Equipment	\$ 20,000	\$ 20,000	\$ -	0.0%
Office Supplies / Coffee / Water	\$ 19,000	\$ 19,000	\$ -	0.0%
Educational Supplies	\$ -	\$ -	\$ -	100.0%
Subscriptions / Publications / Reference Material	\$ 120	\$ 120	\$ -	0.0%
Dues Professional Organizations	\$ 450	\$ 450	\$ -	0.0%
Travel & Meals / Employee Morale	\$ 13,000	\$ 13,000	\$ -	0.0%
Training & Tuition Reimbursement	\$ 56,000	\$ 56,000	\$ -	0.0%
Records Retention	\$ -	\$ -	\$ -	100.0%
Mileage Reimbursement	\$ -	\$ -	\$ -	100.0%
Office Equipment Service	\$ 13,000	\$ 13,000	\$ -	0.0%
Freight & Shipping	\$ 105,000	\$ 105,000	\$ -	0.0%
Office Temporaries	\$ -	\$ -	\$ -	100.0%
Information Technology Maintenance	\$ 11,000	\$ 11,000	\$ -	0.0%
 Total Office Overhead	 \$ 276,270	 \$ 276,270	 \$ -	 0.0%

Exhibit A - 3 (Page 2 of 3)
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
<u>PBF Maintenance</u>	<u>Adopted</u>	<u>Proposed</u>	<u>Variance</u>	<u>%</u>
VEHICLE REPAIR/MAINTENANCE	\$ 52,200	\$ 52,200	\$ -	0.0%
BUILDING OPERATIONS	\$ 198,000	\$ 223,000	\$ 25,000	12.6%
PROJECT EQUIPMENT MAINTENANCE	\$ 7,115,600	\$ 7,598,550	\$ 482,950	6.8%
GROUNDS MAINTENANCE	\$ 50,355	\$ 51,866	\$ 1,511	3.0%
MOBILE EQUIPMENT SUPPLIES	\$ 110,000	\$ 110,750	\$ 750	0.7%
LUBRICANTS	\$ 45,600	\$ 45,600	\$ -	0.0%
PAINTING SUPPLIES	\$ 11,000	\$ 11,000	\$ -	0.0%
WELDING SUPPLIES	\$ 89,500	\$ 89,500	\$ -	0.0%
ELECTRICAL SUPPLIES	\$ 73,500	\$ 73,500	\$ -	0.0%
MECHANICAL SUPPLIES	\$ 126,700	\$ 126,700	\$ -	0.0%
PLANT SUPPLIES - OTHER	\$ 106,500	\$ 106,500	\$ -	0.0%
MCAPS O & M	\$ 40,000	\$ 40,000	\$ -	0.0%
CONTINUOUS EMISSION MONITORING	\$ 84,100	\$ 84,940	\$ 840	1.0%
 Total Maintenance Expenses	 <u>\$ 8,103,055</u>	 <u>\$ 8,614,106</u>	 <u>\$ 511,051</u>	 <u>6.3%</u>

Exhibit A - 3 (Page 3 of 3)
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

	FY 2021	FY 2022		
<u>PBF Operating Costs</u>	<u>Adopted</u>	<u>Proposed</u>	<u>Variance</u>	<u>%</u>
Protective Clothing & Uniforms	\$ 65,289	\$ 67,240	\$ 1,951	3.0%
Security (Gate Guard)	\$ 89,695	\$ 92,400	\$ 2,705	3.0%
Calibration Gases (CEMS)	\$ 25,686	\$ 25,686	\$ -	0.0%
Hydrogen Gas	\$ 12,000	\$ 12,000	\$ -	0.0%
Janitorial Supplies & Contracting	\$ 58,116	\$ 58,116	\$ -	0.0%
Safety & Medical	\$ 235,492	\$ 295,776	\$ 60,284	25.6%
Laboratory Supplies	\$ 2,058	\$ 2,058	\$ -	0.0%
Fees / Licenses / Permits	\$ 3,320	\$ 3,855	\$ 535	16.1%
Equipment Rental & Lease	\$ 116,030	\$ 116,030	\$ -	0.0%
Fuel (Vehicles & Equipment)	\$ 56,995	\$ 56,995	\$ -	0.0%
Lime	\$ 1,678,699	\$ 1,487,206	\$ (191,493)	-11.4%
Urea	\$ 241,678	\$ 211,619	\$ (30,059)	-12.4%
Other Ops Charges (Water Treat)	\$ 195,000	\$ 195,000	\$ -	0.0%
Contract Services (Other)	\$ 958,900	\$ 1,145,000	\$ 186,100	19.4%
Engineering Services	\$ 13,114	\$ 13,114	\$ -	0.0%
Environmental Testing & Consulting	\$ 121,612	\$ 121,612	\$ -	0.0%
Natural Gas	\$ 297,600	\$ 297,600	\$ -	0.0%
			\$ -	
TOTAL OPERATING COSTS	\$ 4,171,284	\$ 4,201,307	\$ 30,023	0.7%

Exhibit A-4
Materials Innovation and Recycling Authority
FY 2022 Budget Development
CSWS Cost of Operation
Trash to Energy Facility

NEAS Home Office Support

	<u>FY 2020 Actual Home Office Support</u>		
<u>Managerial / Administrative</u>	<u>Total Cost</u>	<u>Total Hours</u>	<u>Average Rate</u>
Division Directors	\$ 13,012.23	54.00	\$ 240.97
Project Managers	\$ 64,320.08	348.00	\$ 184.83
Safety Director	\$ 971.18	4.10	\$ 236.87
Safety Manager	\$ 19,822.92	156.00	\$ 127.07
Senior Accountant	\$ -	-	n/a
Accounting Specialist	\$ -	-	n/a
Staff Accountant	\$ 4,855.55	57.25	\$ 84.81
HR Specialist	\$ 8,467.15	76.00	\$ 111.41
HR Representative	\$ -	-	n/a
HR Manager	\$ -	-	#DIV/0!
Administrative Assistant	\$ -	-	
IS Support I	\$ -	-	
Subtotal Managerial / Administrative	\$ 111,449.11	695.35	\$ 160.28
<u>Environmental / Engineering Support</u>			
Environmental	\$ 11,559.04	91.00	\$ 127.02
Engineering	\$ 16,221.92	88.00	\$ 184.34
Technical/NERC	\$ 19,999.92	-	#DIV/0!
Subtotal Engineering / Environmental	\$ 47,780.88	179.00	\$ 266.93
Total Home Office Personnel	\$ 159,229.99	874.35	\$ 182.11
Reimbursable Expenses	\$ 135,443.29		
Liability Insurance	\$ 2,059.94		
Total Home Office Support	<u>\$ 296,733.22</u>		