

Materials Innovation Recycling Authority
Special Board of Directors Meeting

Agenda
Feb. 18, 2016
9:30 AM

I. Pledge of Allegiance

II. Public Portion

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. The regular meeting will commence if there is no public input.

III. Minutes

1. Board Action will be sought for Approval of the Regular Jan. 28, 2016, Board Meeting Minutes (Attachment 1).

IV. Finance Committee Reports

1. Board Action will be sought for the Resolution Approving a Revised “Authority Budget” for Fiscal Year 2017 (Attachment 2).
2. Board Action will be sought for the Resolution Approving the Operating and Capital Budgets for the Connecticut Solid Waste System for Fiscal Year 2017 (Attachment 3).

V. Policy and Procurement Committee Report

VI. Chairman and President’s Reports

VII. Executive Session

An Executive Session will be held to discuss pending litigation, trade secrets, personnel matters, security matters, pending RFP’s, and feasibility estimates and evaluations.

TAB 1

MATERIALS INNOVATION AND RECYCLING AUTHORITY

FOUR HUNDRED AND SIXTY FIRST

JAN. 28, 2016

A regular meeting of the Materials Innovation and Recycling Authority Board of Directors was held on Thurs. Jan. 28, 2016, in the Board Room at 211 Murphy Rd. Hartford, CT 06103. Those present were:

Directors: Chairman Don Stein
 Vice-Chairman Dick Barlow
 John Adams
 Marilynn Cruz-Aponte (present until 10:45 a.m.)
 Ralph Eno
 Jim Hayden
 Scott Shanley
 Bob Painter, CSWS Ad-Hoc

Present from MIRA in Hartford:

Tom Kirk, President
Mark Daley, Chief Financial Officer
Jeffrey Duvall, Director of Budgets and Forecasting
Peter Egan, Director of Operations and Environmental Affairs
Laurie Hunt, Director of Legal Services
Moira Kenney, Assistant HR Manager/Board Administrator

Others Present: Ann Catino, Esq., Halloran & Sage; Jeff Martirano, HDR Engineering, Inc.; Doug Pelham, Esq., Cohn Birnbaum & Shea; and Ed Spinella, Esq., USA Hauling.

Chairman Stein called the meeting to order at 9:35 a.m. and said 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 present who wished to address the Board the meeting commenced.

APPROVAL OF THE DEC. 17, 2016, MEETING MINUTES

Chairman Stein requested a motion to approve the minutes of the Dec. 17, 2016, Board Meeting. Director Eno made the motion which was seconded by Director Hayden.

The motion to approve the minutes as amended was approved by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Cruz-Aponte, Director Eno, Director Hayden, Director Painter and Director Shanley voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice-Chairman Barlow	X		
John Adams	X		
Marilynn Cruz-Aponte	X		
Ralph Eno	X		
Jim Hayden	X		
Scott Shanley	X		
Ad-Hoc			
Bob Painter, CSWS Project	X		

RESOLUTION REGARDING TRANSFERRING ADDITIONAL FUNDS INTO THE CSWS IMPROVEMENT FUND

Chairman Stein requested a motion on the above referenced item. The motion was made by Director Shanley and seconded by Director Eno.

WHEREAS, The Authority has previously established and maintained a Facilities Modification Reserve under the Mid Connecticut Project for the express purpose of funding capital expenditures for its Resource Recovery and related facilities and equipment; and

WHEREAS, The Authority has previously established and maintained a Rolling Stock Reserve under the Mid Connecticut Project for the express purpose of purchasing and rebuilding operating vehicles such as tractors, trailers, loaders, containers and sweepers used in the operation of its Resource Recovery and related facilities; and

WHEREAS, Effective November 16, 2012, the Authority re-designated the Facilities Modification Reserve, and \$4,576,478.49 constituting the balance of such reserve's net assets, as the CSWS Capital Expenditure Reserve, and transferred the \$1,183,779.60 balance of the Rolling Stock Reserve into such CSWS Capital Expenditure Reserve, in order to provide for the continued funding of capital expenditures related to the Hartford resource recovery and related facilities and equipment as part of its transition from the Mid Connecticut Project to the Connecticut Solid Waste System (CSWS); and

WHEREAS, The total funds made available to the CSWS Capital Expenditure Reserve of \$5,760,258.09 effective November 16, 2012 as stated above considered funds budgeted, reserved and available for such purposes at the time of such transition together with the findings of three independent engineering assessments of the resource recovery facility addressing its expected reserve fund requirements and the status of the maintenance and upkeep of its related Power Block component upon conclusion of the long term operating contract for the Power Block component; and

WHEREAS, In its report dated February 23, 2011, HDR Engineering Inc. (HDR), a firm recognized for its experience in planning and implementing recent life extension refurbishment projects at comparable resource recovery facilities in Detroit and Honolulu, recommended a reserve for scheduled capital equipment overhauls, annual or periodic capitalized maintenance projects, of \$4.0 to \$4.5 million dependent on events requiring significant capital investment, “HDR Recommended Capital Reserve”; and

WHEREAS, In its report dated May 24, 2012, HDR documented the condition of the Power Block facility based upon a Mid-Conn Facility Assessment it conducted on March 29th and 30th, 2012, which report identified an initial punch list of items requiring maintenance or repairs, which in its professional opinion would reasonably be expected to be completed by the then-current operator of the Power Block, which initial punch list included 52 numbered items estimated to cost \$3,520,000 including contingency to complete, which items are not considered to be scheduled capital equipment overhauls, annual or periodic capitalized maintenance projects as contemplated under the HDR Recommended Capital Reserve, but a substantial portion of which items are eligible capital expenditures under the Facilities Modification Reserve; and

WHEREAS, In its report dated June 21, 2012, HDR documented the condition of the Power Block facility based upon a Mid-Conn Facility Supplemental Assessment it conducted on June 7th, 8th and 12th, 2012, which report identified a final punch list of items remaining to be addressed, which in its professional opinion would reasonably be expected to have been completed before the May 31, 2012 expiration of the then-current contract for operation of the Power Block, by the then-current contract operator of the Power Block, which final punch list included 64 numbered items estimated to cost \$4,159,000 including contingency to complete, which items are not considered to be scheduled capital equipment overhauls, annual or periodic capitalized maintenance projects as contemplated under the HDR Recommended Capital Reserve, but a substantial portion of which items are eligible capital expenditures under the Facilities Modification Reserve; and

WHEREAS, Such June 21, 2012 report also documented numerous items removed from the Power Block that should have been left behind including tools, spare parts in inventory and consumables that would create nuisance hardships for a new operator and jeopardize boiler availability, which items are not considered to be scheduled capital equipment overhauls, annual or periodic capitalized maintenance projects as contemplated under the HDR Recommended Capital Reserve, but some of which items are eligible capital expenditures under the Facilities Modification Reserve; and

WHEREAS, a new contract operator of the Power Block facility (NAES Corporation) undertook a transition process and effectively assumed control of operating and maintenance responsibilities for the Power Block upon expiration of the prior contract on May 31, 2012; and

WHEREAS, prior to conclusion of the Mid Connecticut Project on November 15, 2012, NAES Corporation began work on certain final punch list items including, but not limited to, soot blower, conveyor, lighting and roof refurbishments which work was funded through the Mid Connecticut Project Facilities Modification Reserve; and

WHEREAS, after commencement of the CSWS on November 16, 2012, NAES continued work on certain final punch list items including, but not limited to, spare parts inventory replacement, baghouse refurbishment, additional soot blower and conveyor work, boiler 13 structural and roof repair and replacement, and feed water pump repairs totaling \$1,921,162.62 funded from the CSWS Capital Expenditure Reserve within the first year of CSWS operations, which work was generally completed within the first year of CSWS operations, and which work is considered a legacy of, and chargeable to, the Mid Connecticut Project; and

WHEREAS, after commencement of the CSWS on November 16, 2012, NAES undertook overhaul work within Boilers 11, 12 and 13 including, but not limited to, generation bank, super heater, water wall and tube replacements totaling \$986,490.00 funded from the CSWS Capital Expenditure Reserve within the first two months of CSWS operations, which work was completed within the first four months of CSWS operations, which work is considered a legacy of, and chargeable to, the Mid Connecticut Project; and

WHEREAS, funding of final punch list items, inventory replacement and immediate term overhaul work from the CSWS Capital Expenditure Reserve has impaired such fund's ability to serve its intended purpose as identified in the February 23, 2011 HDR Report and previous actions of this Board; and

WHEREAS, such impairment has been quantified in the amount of \$1,647,394.53 as detailed on Exhibit A attached hereto; and

WHEREAS, The Authority has previously renamed the CSWS Capital Expenditure Reserve to the CSWS Improvement Fund, and

WHEREAS, The Authority now desires that the Mid Connecticut Project reimburse the CSWS Improvement Fund for such impairment.

NOW THEREFORE, be it

RESOLVED: That management is authorized to transfer the amount of \$1,647,394.53 from the Mid Connecticut Project Operating Account to the CSWS Improvement Fund.

Director Shanley said this item has been under discussion for some time. He explained the Finance Committee requested more detail on the work which was done at the plant and how that work related specifically to wear and tear during the Mid-Conn Project and how that could also be related to investments that should have been made by the past operator. Director Shanley thanked management for the requested detail and noted that the Finance Committee fully supported this resolution.

Director Painter asked if MIRA had considered legal action against the former operator for failure to maintain properly. Mr. Kirk said the prior Board declined to pursue the action after substantial consideration of the matter. Mr. Daley said the proposed resolution would not prevent such an action in the future.

Vice-Chairman Barlow asked if this resolution details bringing inventory back up to the appropriate level. Mr. Daley replied yes.

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice-Chairman Barlow	X		
John Adams	X		
Marilynn Cruz-Aponte	X		
Ralph Eno	X		
Jim Hayden	X		
Scott Shanley	X		
Ad-Hoc			
Bob Painter, CSWS Project	X		

RESOLUTION REGARDING COST BENEFIT ANALYSIS EXAMINING THE TIMING OF MAJOR MAINTENANCE ACTIVITIES AND RESOLUTION INCREASING THE CSWS CAPITAL BUDGET FOR FY 2016

Chairman Stein requested a motion on the above referenced item. The motion to approve was made by Director Shanley and seconded by Director Hayden.

WHEREAS, The Authority has previously adopted a Fiscal Year 2016 Operating and Capital Budget (Budget) for the Connecticut Solid Waste System (CSWS); and

WHEREAS, The Authority is in the process of considering and developing a Fiscal Year 2017 Budget for the CSWS; and

WHEREAS, Such budget development process includes developing a schedule for shutting down and conducting capital equipment maintenance activity within each of the three boilers (Units 11, 12 and 13) comprising part of the CSWS Resource Recovery Facility, with each such shut down being referred to as a “Major Outage”; and

WHEREAS, Such schedule is generally designed with the goal of conducting a Major Outage upon each boiler every twelve months; and

WHEREAS, The last Major Outage for Unit 13 was conducted in October 2015 during which new techniques and products for the repair and improvement of air heater systems were conducted which have since proven to significantly increase boiler performance, and consequently, potential energy output from the CSWS Resource Recovery facility; and

WHEREAS, Unit 11 has experienced similar air heater constraints that have diminished its performance in the same manner Unit 13 performance had diminished prior to its last Major Outage but Unit 11 is not scheduled for a similar air heater rebuild until April 2017; and

WHEREAS, Management has conducted a cost benefit analysis examining the impacts of maintaining the current schedule of Major Outages versus i) moving up the Unit 11 outage, including the air heater rebuild, by 6 months to October 2016 in place of a planned Major Outage on Unit 13; or ii) expanding the scope of Unit 11's planned April 2016 Major Outage to include the air heater rebuild, which analysis is attached hereto as Exhibit A; and

WHEREAS, Management has determined based on such cost benefit analysis that it is **not** beneficial to move up the Unit 11 outage, including the air heater rebuild, by 6 months to October 2016 because the incremental costs of additional life extension work required to delay Unit 13's Major Outage exceeds the incremental revenue projected to be derived through improved performance on Unit 11; and

WHEREAS, Management has determined based on such cost benefit analysis that it is beneficial to expand the scope of the planned April 2016 Major Outage on Unit 11 to include the air heater rebuild because the incremental costs of additional life extension work required to delay Unit 13's Major Outage is avoided, improved boiler performance will increase revenue generated in the fourth quarter of FY 2016 and all of FY 2017 by approximately \$1.3 million, and the total cost for Major Outages paid through the FY 2017 budget will be reduced by approximately \$0.58 million.

NOW THEREFORE, be it

RESOLVED: That management is authorized to transfer \$82,605.47 from the Property Division General Fund to the CSWS Improvement Fund; and

FURTHER RESOLVED: That the CSWS Capital Budget for FY 2016 is hereby increased by \$1,730,000 from \$9,452,004 to 11,182,004.

Director Shanley said this analysis was done to demonstrate that accelerating an investment into air heater technology would make sense fiscally. He explained the improvements would generate adequate revenue to justify moving the funds from the reserve fund.

Mr. Kirk said this is a change in schedule to advance an outage as the previous motion provides funding availability for management to advance this schedule and work on a replacement of the air heater modules in Unit 11. He explained the work which was completed in Unit 13 has demonstrated the expected substantial improvement in performance. Mr. Kirk said management expects that similar improvements would be seen after the work in Unit 11. He said the improvements increase revenue substantially because of the capacity of the plant improves with the change. Mr. Kirk said this is not additional spending but advancement of budgeted planned improvements.

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice-Chairman Barlow	X		
John Adams	X		
Marilynn Cruz-Aponte	X		
Ralph Eno	X		
Jim Hayden	X		
Scott Shanley	X		
Ad-Hoc			
Bob Painter, CSWS Project	X		

EXECUTIVE SESSION

Chairman Stein requested a motion to enter into Executive Session to discuss pending litigation. The motion was made by Director Adams and seconded by Director Shanley and was approved unanimously.

Chairman Stein asked the following people to join the Directors in the Executive Session:

- Tom Kirk
- Mark Daley
- Peter Egan
- Laurie Hunt
- Chris Shepard, Environmental Compliance Manager
- Doug Pelham, Esq.

The motion was approved unanimously by roll call. Chairman Stein, Vice-Chairman Barlow, Director Adams, Director Cruz-Aponte, Director Eno, Director Hayden, Director Painter, and Director Shanley voted yes.

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice-Chairman Barlow	X		
John Adams	X		
Marilyn Cruz-Aponte	X		
Ralph Eno	X		
Jim Hayden	X		
Scott Shanley	X		
Ad-Hoc			
Bob Painter, CSWS Project	X		

The Executive Session began at 9:56 a.m. and concluded at 11:15 a.m. Chairman Stein noted that no votes were taken in Executive Session.

The meeting was reconvened at 11:15 a.m. The door was opened, and the Board Secretary and all members of the public were invited back in for the continuation of public session.

DISCUSSION OF CSWS FY 2017 DRAFT BUDGET DEVELOPMENT MATERIAL

Mr. Kirk said MIRA has a requirement under the Tier 1-4 agreements to inform the member towns of their tipping fees by the end of February. He said the Finance Committee had provided direction at its last meeting and management hopes to come to a consensus today to ensure approval at the Feb. 18, 2016, Board meeting.

Mr. Kirk said the budget anticipates the \$3.00 tip fee increase. Director Eno said that the \$3.00 increase puts the towns over the threshold for opting out. Mr. Daley said in the strategic plan management anticipated a 1.5% increase in the base opt-out price through a CPI adjustment. He said for the second year in a row the CPI index required in the Municipal Service Agreements actually declined. Mr. Daley said this year the index used to adjust the opt -ut price went down a third of a percent.

Mr. Daley said the premise of this budget is that we proceed with the expanded scope for Unit 11's overhaul including air heater replacement this April. He said this produced a reduction in FY 2017 capital budget and an increase in the expected energy output from the plant.

Director Shanley said clear communication to MIRA's customers detailing the difficulties MIRA is facing due to the economy is necessary. Chairman Stein agreed and suggested outreach meetings may best accomplish that. After a substantial discussion the Board asked that management reduce budgeted expenses as necessary to limit the tip fee increase to \$2.00 to avoid exceeding the opt-out disposal fee and to also eliminate the budgeted recycling rebate to reduce the required draw from the Tip Fee Stabilization Fund by approximately \$240,000.

RESOLUTION RECOMMENDING ON CALL ECONOMIC ADVISORY CONSULTANTS FOR THREE YEARS ENDING FEBRUARY 28, 2019

Chairman Stein requested a motion on the above resolution. The motion to approve was made by Director Shanley and seconded by Director Hayden.

RESOLVED: That the President is hereby authorized to execute agreements with the following firms for on-call Economic Advisory and Consulting Services, substantially as presented and discussed at this meeting:

- Alternative Resources, Inc.
- Connecticut Economic Resource Center
- Environmental Capital, LLC
- Gershman, Brickner & Bratton, Inc.
- HDR Engineering, Inc.

Mr. Kirk said MIRA is staffing its stable of contractors. He said there is no money associated with this resolution.

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice-Chairman Barlow	X		
John Adams	X		
Ralph Eno	X		
Jim Hayden	X		
Scott Shanley	X		
Ad-Hoc			
Bob Painter, CSWS Project	X		

PRESIDENT’S REPORT

Mr. Kirk said no environmental safety or public health events occurred during the reporting period. He referred the Board to the Supplemental Package for further information on the reports. Director Shanley asked that the Supplemental Packages be posted to the website going forward.

Mr. Kirk said the significant power production improvement (about 15%) is associated with the air unit change out to Unit 15. He said electrical power pricing continues to be very poor. Mr. Kirk said spot prices are marginally better than years past but the worst priced months are yet to come.

Mr. Kirk said concerning the RFP process with the CT DEEP management has been working with the CT DEEP to answer questions from the various bidders and providing tours of the facility. He said MIRA is evaluating potential for participation in a solar energy development RFP issued by the CT DEEP focused on landfills for a 2 megawatts solicitation. Mr. Kirk said MIRA has been contacted for possible participation at three of their landfills. He said management is optimistic that they will be able to find a vendor interested in participating and potentially allow MIRA to lease its land and develop further solar projects.

ADJOURNMENT

Chairman Stein requested a motion to adjourn the meeting. The motion to adjourn was made by Director Shanley seconded by Director Eno and was approved unanimously

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

Directors	Aye	Nay	Abstain
Chairman Stein	X		
Vice-Chairman Barlow	X		
John Adams	X		
Ralph Eno	X		
Jim Hayden	X		
Andy Nunn	X		
Ad-Hoc			
Bob Painter, CSWS Project	X		

There being no other business to discuss, the meeting adjourned at 12:15 p.m.

Respectfully Submitted,

Moira Kenney
Assistant HR Manager/Board Administrator

TAB 2

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING ADOPTION OF THE FISCAL YEAR 2017 AUTHORITY BUDGET

WHEREAS, The Materials Innovation and Recycling Authority (MIRA) is contractually obligated to adopt Disposal Fees for its Connecticut Solid Waste System (CSWS) member towns on or before February 29, 2016; which fees will apply during MIRA's fiscal year 2017 which begins July 1, 2016 and ends June 30, 2017; 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 member towns it is necessary for MIRA to adopt the Authority Budget for fiscal year 2017 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 2017 including:

5. Connecticut Solid Waste System (CSWS)
6. Mid Connecticut Project
7. Property Division
8. Landfill Division

NOW THEREFORE, be it

RESOLVED: That the fiscal year 2017 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.



EXHIBIT A
Final Budget Development - February 11, 2016 Finance Committee
Proposed Total Personnel Services
Proposed Authority Budget

	FY 2015 Actual	FY 2016 Adopted	FY 2017 Proposed	Increase or Decrease From			
				FY 2015 Actual		FY 2016 Adopted	
				\$	%	\$	%
Personnel Services							
Charged Direct to Projects	\$ 2,382,016	\$ 2,018,578	\$ 1,870,520	\$ (511,496)	-21.5%	\$ (148,058)	-7.3%
Indirect via Authority Budget	\$ 2,659,356	\$ 3,225,269	\$ 2,875,983	\$ 216,627	8.1%	\$ (349,286)	-10.8%
Total	\$ 5,041,372	\$ 5,243,847	\$ 4,746,503	\$ (294,869)	-5.8%	\$ (497,344)	-9.5%
Authority Budget							
Indirect Personnel Services*	\$ 2,659,356	\$ 3,225,269	\$ 2,875,983	\$ 216,627	8.1%	\$ (349,286)	-10.8%
Non Personnel Services	\$ 1,115,744	\$ 1,604,400	\$ 1,263,123	\$ 147,379	13.2%	\$ (341,277)	-21.3%
Total	\$ 3,775,100	\$ 4,829,669	\$ 4,139,106	\$ 364,006	9.6%	\$ (690,563)	-14.3%
Combined Personnel and Non Personnel Services	\$ 6,157,116	\$ 6,848,247	\$ 6,009,626	\$ (147,490)	-2.4%	\$ (838,621)	-12.2%

Personnel Services

The FY 2017 total proposed Personnel Services budget of \$4,746,503 reflects a 5.8% reduction from FY 2015 actual audited Personnel Services and a 9.5% reduction from the FY 2016 adopted budget for Personnel Services. The reduction in Personnel Services was achieved primarily through position eliminations, consolidations and reduced funding for employee medical. Total Personnel Services includes regular payroll and overtime, payroll taxes, employee benefits, the cost to administer employee benefits and a modest provision for market progression adjustments evaluated on case by case basis. See Exhibit 1 for the breakdown of total Personnel Services and the longer term trend, and Exhibit 1A for a comparison of the salary roster between FY 2016 and FY 2017 budgets. The budget also includes provision for contributions to the Health Savings Accounts of MIRA employees that selected its new high deductible health plan. The budget funds 50% of the maximum annual contribution. Personnel Services are allocated among the various projects and divisions that comprise MIRA on a direct and indirect basis. Direct allocation is used when positions are dedicated solely to a specific project / function (CSWS scale operator positions being a good example). Indirect allocations are used when positions serve multiple projects and divisions (finance and accounting positions being a good example).

Authority Budget

The Authority Budget comprises the indirect portion of the Personnel Services budget described (and highlighted) above and all Non Personnel Services not directly associated with a specific project or division. Non Personnel Services include such expenses as office rent, office supplies, postage and printing, customer service activities, temporary services, insurance, brokerage and consulting. The proposed Non Personnel Services budget of \$1,263,123 reflects a 13.2% increase in comparison to FY 2015 actual audited expenses and a 21.3% decrease in comparison to the FY 2016 budget. See Exhibit 2 for the breakdown of Non Personnel Services. The total proposed Authority Budget for FY 2017 is \$4,139,106 which represents a 9.6% increase from FY 2015 actual and a 14.3% decrease from the FY 2016 budget. FY 2017 combined personnel and non-personnel services are down 2.4% in comparison to FY 2015 actual and down 12.2% in comparison to the FY 2016 budget.

Allocation / Revenue Requirements

Exhibit 3 depicts the benchmark ratios used to allocate the \$4,139,106 proposed Authority Budget for FY 2017 among the projects and divisions that will be active during FY 2017. This now excludes the Southeast Project. Exhibit 4 depicts the dollar amount of the Authority Budget allocated to each project and division on the basis of these benchmarks. Also shown is the allocation of Direct Personnel Services made on the basis of dedicated function.

Long Term Plan Comparison

The FY 2017 total proposed budget for personnel and non personnel services is \$294,565 (4.7%) less than the long term plan target for FY 2017 of \$6,304,191.

* FY 2015 actual includes all current year charges. Excludes \$178,854 adjustment to prior year Mid Ct. allocation reflected audit report.

EXHIBIT 1
MATERIALS INNOVATION AND RECYCLING AUTHORITY
FY 2017 PROPOSED
TOTAL PERSONNEL SERVICE BUDGET

	FY16 Adopted	FY17 Proposed	Difference	% Inc/Dec
Labor Related Payroll				
Regular Payroll (including leave)	\$ 3,625,895	\$ 3,365,045	\$ (260,850)	-7.19%
Merit / General Pool Increases	\$ -	\$ -	\$ -	100.00%
Proposed MPA Adjustments	\$ 60,000	\$ 50,000	\$ (10,000)	-16.67%
Overtime Payroll (Based upon prior year)	\$ 50,000	\$ 35,000	\$ (15,000)	-30.00%
	\$ 3,735,895	\$ 3,450,045	\$ (285,850)	-7.65%
Labor Related Payroll Taxes				
Medicare Tax	\$ 53,116	\$ 47,455	\$ (5,661)	-10.66%
Social Security	\$ 201,297	\$ 179,363	\$ (21,934)	-10.90%
CT Unemployment Compensation	\$ 19,800	\$ 18,450	\$ (1,350)	-6.82%
	\$ 274,213	\$ 245,268	\$ (28,945)	-10.56%
Subtotal Labor Costs	\$ 4,010,108	\$ 3,695,313	\$ (314,795)	-7.85%
Employee Benefits				
HSA Contribution	\$ -	\$ 48,850	\$ 48,850	100.00%
Medical & Dental	\$ 804,941	\$ 616,510	\$ (188,431)	-23.41%
Basic Life, STD, LTD, Sup Life	\$ 60,474	\$ 42,724	\$ (17,750)	-29.35%
Vision	\$ 10,158	\$ 8,824	\$ (1,334)	-13.13%
Medical Opt-out	\$ 17,000	\$ 20,190	\$ 3,190	18.76%
Total Health Benefits Costs	\$ 892,573	\$ 737,098	\$ (155,475)	-17.42%
Employee Medical & Dental Contributions	\$ (120,741)	\$ (83,107)	\$ 37,634	-31.17%
Net Health Benefits Costs	\$ 771,832	\$ 653,991	\$ (117,841)	-15.27%
401-K Contribution	\$ 368,307	\$ 327,274	\$ (41,033)	-11.14%
Subtotal Employee Benefits Costs	\$ 1,140,139	\$ 981,265	\$ (158,874)	-13.93%
Subtotal Other Benefits	\$ 33,600	\$ 25,425	\$ (8,175)	-24.33%
Other Benefit-Related Costs				
401k Administration	\$ 10,000	\$ -	\$ (10,000)	-100.00%
401(k) Consultant	\$ 20,000	\$ 12,000	\$ (8,000)	-40.00%
Benefits Administration/Brokerage	\$ 30,000	\$ 32,500	\$ 2,500	8.33%
Subtotal Other Benefit-Related Costs	\$ 60,000	\$ 44,500	\$ (15,500)	-25.83%
TOTAL PERSONNEL SERVICES	\$ 5,243,847	\$ 4,746,503	\$ (497,344)	-9.48%

HISTORICAL COMPARISON - BUDGET VERSUS ACTUAL

Fiscal Year	Adopted	Budget Inc/Dec	Actual Amount	Actual Inc/Dec	Difference Amount
FY10	\$ 6,491,220		\$ 6,021,240		\$ (469,980)
FY11	\$ 6,653,010	2.49%	\$ 5,902,315	-1.98%	\$ (750,695)
FY12	\$ 6,448,392	-3.08%	\$ 5,861,802	-0.69%	\$ (586,590)
FY13	\$ 6,709,074	4.04%	\$ 5,804,429	-0.98%	\$ (904,645)
FY14	\$ 5,906,786	-11.96%	\$ 5,502,509	-5.20%	\$ (404,277)
FY15	\$ 5,592,010	-5.33%	\$ 5,041,372	-8.38%	\$ (550,638)
Total	\$ 37,800,492		\$ 34,133,667		\$ (3,666,825)

MIRA FY12 - FY17 Personnel Services Expenses

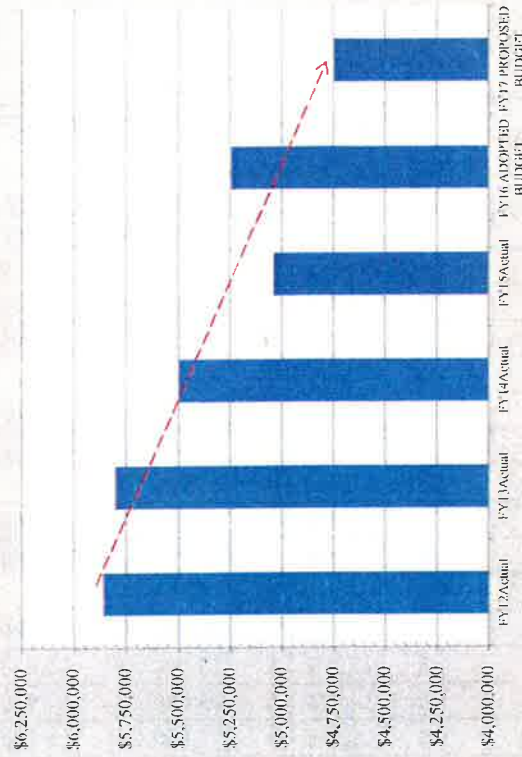


EXHIBIT 2
MATERIALS INNOVATION AND RECYCLING AUTHORITY
FY 2017 PROPOSED
TOTAL NON PERSONNEL SERVICES BUDGET

Description	ACTUAL FY15	ADOPTED FY16	PROPOSED FY17	Increase or Decrease From			
				FY 2015 Actual		FY 2016 Adopted	
				\$	%	\$	%
Postage and Delivery Fees	\$ 11,975	\$ 14,000	\$ 15,410	\$ 3,435	29%	\$ 1,410	10%
Telecommunications	\$ 54,752	\$ 67,000	\$ 68,200	\$ 13,448	25%	\$ 1,200	2%
Copier	\$ 6,848	\$ 12,000	\$ 10,000	\$ 3,152	46%	\$ (2,000)	-17%
Printing Services	\$ 6,246	\$ 7,000	\$ 5,800	\$ (446)	-7%	\$ (1,200)	-17%
Advertising - Legal Notices/Recruitment	\$ 5,971	\$ 13,000	\$ 11,000	\$ 5,029	84%	\$ (2,000)	-15%
Customer Service	\$ 7,648	\$ 45,000	\$ 45,000	\$ 37,352	488%	\$ -	0%
Office Supplies	\$ 12,609	\$ 22,000	\$ 16,000	\$ 3,391	27%	\$ (6,000)	-27%
Protect Clothing/Safety Equipment	\$ -	\$ -	\$ -	\$ -	100%	\$ -	100%
Miscellaneous Services	\$ 6,356	\$ 10,000	\$ 7,500	\$ 1,144	18%	\$ (2,500)	-25%
Subscript/Publ/Ref. Material	\$ 9,896	\$ 19,500	\$ 17,400	\$ 7,504	76%	\$ (2,100)	-11%
Dues-Professional Organizations	\$ 4,888	\$ 9,200	\$ 7,100	\$ 2,212	45%	\$ (2,100)	-23%
Business Meetings and Travel	\$ 3,880	\$ 6,500	\$ 6,050	\$ 2,170	56%	\$ (450)	-7%
Training	\$ 6,143	\$ 8,000	\$ 7,400	\$ 1,257	20%	\$ (600)	-8%
Payroll Software Services	\$ 12,266	\$ 14,000	\$ 13,000	\$ 734	6%	\$ (1,000)	-7%
Record Retention Services	\$ 4,346	\$ 13,000	\$ 11,500	\$ 7,154	165%	\$ (1,500)	-12%
Mileage Reimbursement	\$ 1,848	\$ 7,500	\$ 5,700	\$ 3,852	208%	\$ (1,800)	-24%
Vehicle Repair/Maintenance	\$ 886	\$ 4,500	\$ 5,000	\$ 4,114	464%	\$ 500	11%
Office Equipment Service	\$ -	\$ 2,000	\$ 3,000	\$ 3,000	100%	\$ 1,000	50%
Building Operations	\$ 7,133	\$ 60,500	\$ 7,000	\$ (133)	-2%	\$ (53,500)	-88%
Insurance Claims/Losses	\$ -	\$ 3,000	\$ -	\$ -	100%	\$ (3,000)	-100%
Bad Debt Expense	\$ -	\$ -	\$ -	\$ -	100%	\$ -	100%
Rent	\$ 299,185	\$ 300,000	\$ 174,063	\$ (125,122)	-42%	\$ (125,937)	-42%
Fuel for Vehicles	\$ 5,663	\$ 8,000	\$ 10,000	\$ 4,337	77%	\$ 2,000	25%
Temporary Agency Services	\$ 187,385	\$ 16,000	\$ 1,000	\$ (186,385)	-99%	\$ (15,000)	-94%
Insurance Premiums	\$ 34,520	\$ 186,000	\$ 152,100	\$ 117,580	341%	\$ (33,900)	-18%
Information Technology Consultant	\$ 45,633	\$ 60,000	\$ 60,000	\$ 14,367	31%	\$ -	0%
Information Technology Maintenance	\$ 77,249	\$ 75,000	\$ 74,200	\$ (3,049)	-4%	\$ (800)	-1%
Legal Fees	\$ 106,317	\$ 375,000	\$ 200,000	\$ 93,683	88%	\$ (175,000)	-47%
Auditor	\$ 47,210	\$ 80,000	\$ 52,000	\$ 4,790	10%	\$ (28,000)	-35%
Insurance Consulting/Brokerage	\$ 7,285	\$ 9,700	\$ 8,700	\$ 1,415	19%	\$ (1,000)	-10%
Engineering, Technology & Consulting	\$ 83,335	\$ 73,000	\$ 110,000	\$ 26,665	32%	\$ 37,000	51%
Vehicles	\$ -	\$ -	\$ -	\$ -	100%	\$ -	100%
Office Furniture	\$ -	\$ -	\$ -	\$ -	100%	\$ -	100%
Computer Hardware	\$ 37,958	\$ 22,000	\$ 16,000	\$ (21,958)	-58%	\$ (6,000)	-27%
Computer Software	\$ -	\$ 22,000	\$ 14,000	\$ 14,000	100%	\$ (8,000)	-36%
Debt Service - Principal	\$ -	\$ -	\$ -	\$ -	100%	\$ -	100%
Other Equipment	\$ -	\$ 20,000	\$ 14,000	\$ 14,000	100%	\$ (6,000)	-30%
Trustee / Bank Fees	\$ 20,313	\$ 20,000	\$ 15,000	\$ (5,313)	-26%	\$ (5,000)	-25%
Debt Service - Interest	\$ -	\$ -	\$ -	\$ -	100%	\$ -	100%
Operational Contingency	\$ -	\$ -	\$ 100,000	\$ 100,000	100%	\$ 100,000	100%
Subtotal Non-Personnel Services	\$ 1,115,744	\$ 1,604,400	\$ 1,263,123	\$ 147,379	13%	\$ (341,277)	-21%

EXHIBIT 3

MATERIALS INNOVATION AND RECYCLING AUTHORITY
MIRA PRIMARY INDIRECT EXPENSE ALLOCATION METHODOLOGY BY PROJECT / DIVISION

FY2017 BUDGET
(000 omitted on \$ Amounts)

	CSWS	Landfill Division	Southeast	Mid-Con Project	Property Division	Total
MSW Tons FY15 Actual	653,099	-	-	-	217	653,316
Percentage	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Weighting	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
Adjusted Weighting	10.0%	0.0%	0.0%	0.0%	0.0%	10.0%
Recycling Tons FY15 Actual	64,252	-	-	-	-	64,252
Percentage	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Weighting	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
Adjusted Weighting	10.0%	0.0%	0.0%	0.0%	0.0%	10.0%
Total Operating Revenues FY15	\$ 60,427	\$ 222	\$ -	\$ -	\$ 7,636	\$ 68,285
Percentage	88.5%	0.3%	0.0%	0.0%	11.2%	100.0%
Weighting	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
Adjusted Weighting	13.3%	0.0%	0.0%	0.0%	1.7%	15.0%
Total Current Assets FY15	\$ 23,222	\$ 3,943	\$ -	\$ 17,958	\$ 16,974	\$ 62,097
Percentage	37.4%	6.3%	0.0%	28.9%	27.3%	100.0%
Weighting	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
Adjusted Weighting	5.6%	1.0%	0.0%	4.3%	4.1%	15.0%
Transactions	5,499	905	-	702	2,807	9,913
Percentage	55.5%	9.1%	0.0%	7.1%	28.3%	100.0%
Weighting	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Adjusted Weighting	13.9%	2.3%	0.0%	1.8%	7.1%	25.0%
Full Time Equivalents	17	-	-	-	1	18
Percentage	94.4%	0.0%	0.0%	0.0%	5.6%	100.0%
Weighting	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%
Adjusted Weighting	23.6%	0.0%	0.0%	0.0%	1.4%	25.0%
Cumulative Weighting	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total Adjusted Weighting	76.36%	3.28%	0.00%	6.11%	14.25%	100.00%

EXHIBIT 4
MATERIALS INNOVATION AND RECYCLING AUTHORITY
FY 2017 PROPOSED
ALLOCATION OF AUTHORITY BUDGET & DIRECT PERSONNEL SERVICES

Total Authority Budget \$ 4,139,106

Project / Division	Indirect Allocation Benchmarked Percent	Authority Budget Allocation
Mid-Connecticut	6.11%	\$ 252,899
Southeast Project	0.00%	\$ -
Landfill Division	3.28%	\$ 135,763
Property Division	14.25%	\$ 589,823
CSWS	76.36%	\$ 3,160,621
Total Authority Budget	100.00%	\$ 4,139,106

Total Direct Personnel Services \$ 1,870,520

Project / Division	Direct Personnel Service Allocation	
	Function	FY 2016 Budget
Mid-Connecticut		\$ -
Southeast Project		\$ -
Landfill Division		\$ -
Property Division	Operations Staff - Jets	\$ 173,524
CSWS	Operations Staff - CSWS	\$ 1,696,996
Total Direct Personnel Services		\$ 1,870,520

Combined Authority Budget and Direct Personnel Services \$ 6,009,626

Project / Division	Overall Allocation Percent	Total Allocated Cost
Mid-Connecticut	4.21%	\$ 252,899
Southeast Project	0.00%	\$ -
Landfill Division	2.26%	\$ 135,763
Property Division	12.70%	\$ 763,346
CSWS	80.83%	\$ 4,857,618
Total Direct Personnel Services	100.00%	\$ 6,009,626

TAB 3

RESOLUTION FOR THE MATERIALS INNOVATION AND RECYCLING AUTHORITY BOARD OF DIRECTORS

REGARDING ADOPTION OF THE FISCAL YEAR 2017

CSWS DIVISION OPERATING AND CAPITAL BUDGETS

RESOLVED: That the Fiscal Year 2017 Materials Innovation and Recycling Authority Operating and Capital Budget attached hereto as Exhibit A be adopted substantially in the form as presented in Exhibit B attached hereto and discussed at this meeting.

MATERIALS INNOVATION AND RECYCLING AUTHORITY

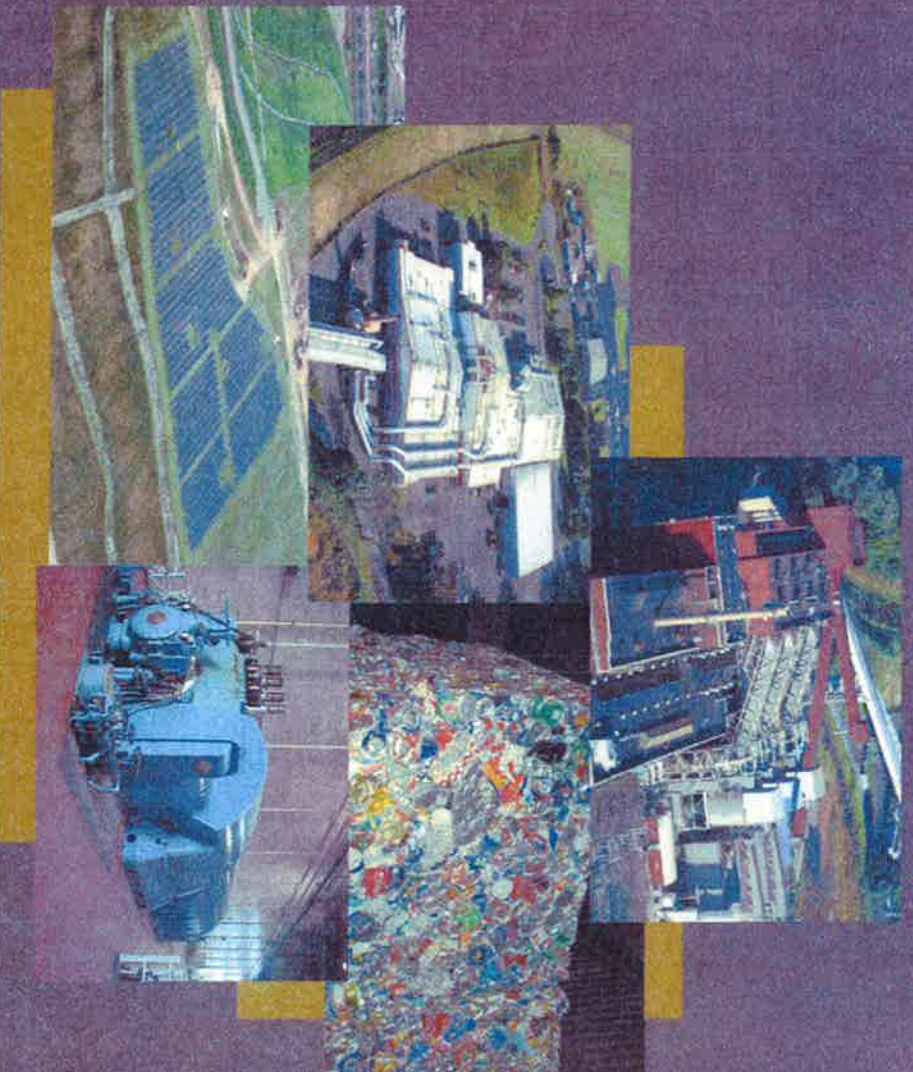


EXHIBIT A

CSWS Division
FY 2017 Budget
Development

February 11, 2016
MIRA Finance
Committee

SUMMARY PROPOSED BUDGET

■ Total Operating Revenues -		\$63.5 Million
■ Total Operating Expenses -		\$58.3 Million
■ Operating Income Before Reserve Contributions -		\$5.2 Million
■ Proposed Reserve Contributions		
■ CSWS Debt Service Fund -		\$0.0 Million
■ CSWS General Fund:		\$5.2 Million
■ CSWS Improvement Fund -	\$10.3 Million	
■ CSWS Risk Fund -	\$ 0	
■ CSWS Legal Fund -	\$ 0	
■ CRRA Severance Fund -	\$ 0	
■ CSWS Tip Fee Stabilization Fund -	\$ (5.2 Million)	
■ CSWS General Fund Retained -	\$ 0	
■ \$2.00 Per Ton Increase From FY 2016 Tip Fee		

SUMMARY PROPOSED BUDGET

<ul style="list-style-type: none"> ■ Cost of Operation - • Operating Expense Budget - \$58,315,389 (\$434,997, 0.74% Reduction) • Reserve Contributions - \$10,320,705 (\$868,701, 9.2% Increase) • Net Increase - \$433,704 / 0.64% 	\$68,636,094
<ul style="list-style-type: none"> ■ Non Disposal Fee Revenue - • \$4,568,727, 10.5% Decrease • Includes \$40,000 Member Service Fees (Tier 2 @ \$2.00 & Tier 4 @ \$1.00 / Ton) 	\$38,902,873
<ul style="list-style-type: none"> ■ Net Cost of Operation - • \$5,002,431 / 20.2% Increase from FY 2016 	\$29,733,221
<ul style="list-style-type: none"> ■ Add: Cost of Service Discounts - • Tier 1 Long - 204,000 Tons @ \$2.00 / Ton; and • Tier 3 - 2,500 Tons @ \$2.00 / Ton 	\$ 413,000
<ul style="list-style-type: none"> ■ Deduct: Deficit Funded by Stabilization Fund - 	\$ (5,165,221)
<ul style="list-style-type: none"> ■ Note: Equivalent Subsidy of Uniform Base Disposal Fee - 	\$ (13.55 / ton)

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

SUMMARY PROPOSED BUDGET

- Total Rate Base - \$24,981,100
 - Net Cost of Operation & Cost of Service Discounts

- Aggregate Tons - 378,500
 - Service Discounted (Tier 1 Long & Tier 3) - 206,500
 - Gate Rate (Tier 1 Short) - 145,000
 - \$2 Service Fee (Tier 2) - 13,000
 - \$1 Service Fee (Tier 4) - 14,000
 - Total - 378,500

- Uniform Base Disposal Fee - \$66.00 / Ton

Contract	FY 2017 Proposed Disposal Fee	FY 2017 Base Opt Out	FY 2017 Total Opt Out (With Additional Opt Out Costs)
Tier 1 Long	\$64.00	\$61.95	\$64.07
Tier 1 Short	\$66.00	\$63.95	\$66.07
Tier 2	\$68.00	n/a	n/a
Tier 3	\$64.00	n/a	n/a
Tier 4	\$67.00	n/a	n/a

- Total Member Disposal Fees - \$24,568,000
 - \$757,000 / 3.2% increase from FY 2016

OPERATING EXPENSE BUDGET

■ Transfer Stations -

• Ellington -	\$ 22,500
• Essex -	\$ 570,500
• Torrington -	\$ 547,400
• Watertown -	\$ 566,500
• Total -	\$1,706,900

\$ 1,706,900
0.4% Increase from FY 2016

■ Waste Transportation -

• MSW From Essex -	\$ 851,370
• MSW From Torrington -	\$ 611,470
• MSW From Watertown -	\$ 1,529,580
• MSW From RRDD#1 -	\$ 20,043
• MSW From Ellington -	\$ 42,196
• Solid Waste Bypass -	\$ 58,000
• Ash Disposal -	\$ 10,375,620
• Non-Processible -	\$ 79,343
• Total -	\$13,567,622

\$13,567,622
2.0% Decrease from FY 2016

■ Trash to Energy Facility -

• Waste Processing -	\$11,219,171 (\$426,829 / 3.7% Reduction)
• Power Block -	\$21,062,525 (\$1,158,025 / 5.8% Increase)
• Facility Contractor -	\$ 1,233,000 (\$38,000 / 3.2% Increase)
• Total -	\$33,514,696 (769,196 2.3% Increase)

\$33,514,696
2.5% Increase from FY 2016

OPERATING EXPENSE BUDGET

■ Recycling Facility -

\$591,215

36.2% Reduction from FY 2016

• Transport From Essex -	\$ 184,025
• Transport From Torrington -	\$ 212,940
• Transport From Watertown -	\$ 129,900
• Direct O&M Expenses -	\$ 64,350
• Recycling Rebate -	\$ 0
• Total	\$ 591,215

■ Indirect Expense-

\$8,934,956

6.2% Reduction from FY 2016

• Authority Budget Allocation-	\$3,160,621
• MIRA Direct Personnel-	\$1,696,996
• MIRA Direct Non Personnel -	\$1,235,039
• Assessment, Fees and Taxes -	\$2,715,000
• Murphy Road Ops Center -	\$ 127,300
• Total	\$8,934,956

■ Total Operating Expense Budget -

\$58,315,389

RECOMMENDED RESERVE CONTRIBUTIONS

<ul style="list-style-type: none"> ▪ Operating Income Before Reserve Contributions - ▪ CSWS Debt Service Fund - ▪ CSWS General Fund: ▪ CSWS Improvement Fund - Represents Strategic Plan Update required funding adjusted for Unit 11 overhaul moved up including air heaters. ▪ CSWS Risk Fund - There is presently in excess of \$440,000 in this fund. Based on review with the Risk manager, this is viewed as sufficient in comparison to the deductibles of all insurance policies other than business interruption. No contributions to this fund are recommended for FY 2017. ▪ CSWS Legal Fund - There is presently in excess of \$600,000 in this fund. This is viewed as sufficient in comparison to prior actual CSWS legal expenses. No contributions to this fund are recommended for FY 2017. ▪ MIRA Severance Fund - There is presently in excess of \$792,000 in this fund. This is viewed as sufficient in comparison to total FY 2017 Personnel Services. No contributions to this fund are recommended for FY 2017. ▪ CSWS Tip Fee Stabilization Fund - Draw expected based on second proposed draft budget parameters. \$401,362 below Strategic Plan Update projection. ▪ CSWS General Fund Retained - No surplus to retain based on current draft budget parameters 	<p>\$ 5,155,484</p> <p>\$ 0</p> <p>\$ 5,155,484</p> <p>\$10,320,705</p> <p>\$ 0</p> <p>\$ 0</p> <p>\$ 0</p> <p>\$ 0</p> <p>\$ (5,165,221)</p> <p>\$ 0</p>
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NON DISPOSAL FEE REVENUE

- Energy Sales -

- Capacity Payments & RECs - \$ 2,232,000
- Real Time Market - \$16,724,400
- Contract Sales - \$ 0
- Total - \$18,956,400

\$18,956,400
\$3,558,659, 15.8% Decrease

- Other Recovered Products -

- Inbound CSWS Base @ \$8.50 / Ton - \$ 425,000
- Inbound FCR Base @ \$7.50 / Ton - \$ 75,000
- Revenue Share (Container Sales) - \$ 206,736
- Revenue Share (Paper Sales) - \$ 100,292
- FCR Residue Disposal / Other - \$ 172,800
- Other Recycling / Waste Revenue - \$ 285,000
- Metal Sales - \$1,135,000
- Total - \$2,399,828

\$2,399,828
\$662,713, 21.6% Decrease

- Contract Waste -

- Hauler Contracts \$9,139,200
- Other Contracts \$4,915,200
- Total \$14,054,400

\$14,054,400
\$905,600, 6.1% Decrease

- Spot Waste -

\$3,412,000
\$561,000, 19.7% Increase

- Other (Interest / Service Fees)

\$ 80,245
\$2,755, 3.3% Decrease

- Total Non Disposal Fee Revenue -

\$38,902,873

KEY DRIVERS

Trash to Energy Operations:

- Total MSW Deliveries -

718,000

• "Aggregate Tons" -	378,500
• Hauler Contract -	142,800
• Other Contract -	95,000
• Spot -	98,700
• Municipal Bulky -	3,000
• Total -	718,000

- Total MSW to RDF Production Rate -
- Total RDF -
- RDF to KWH Production Rate -
- Energy Production -
- Contract / Non Contract Energy Price -
- RDF to Ash Production Rate -
- Ash to Disposal -
- Ash Disposal Cost Per Ton -

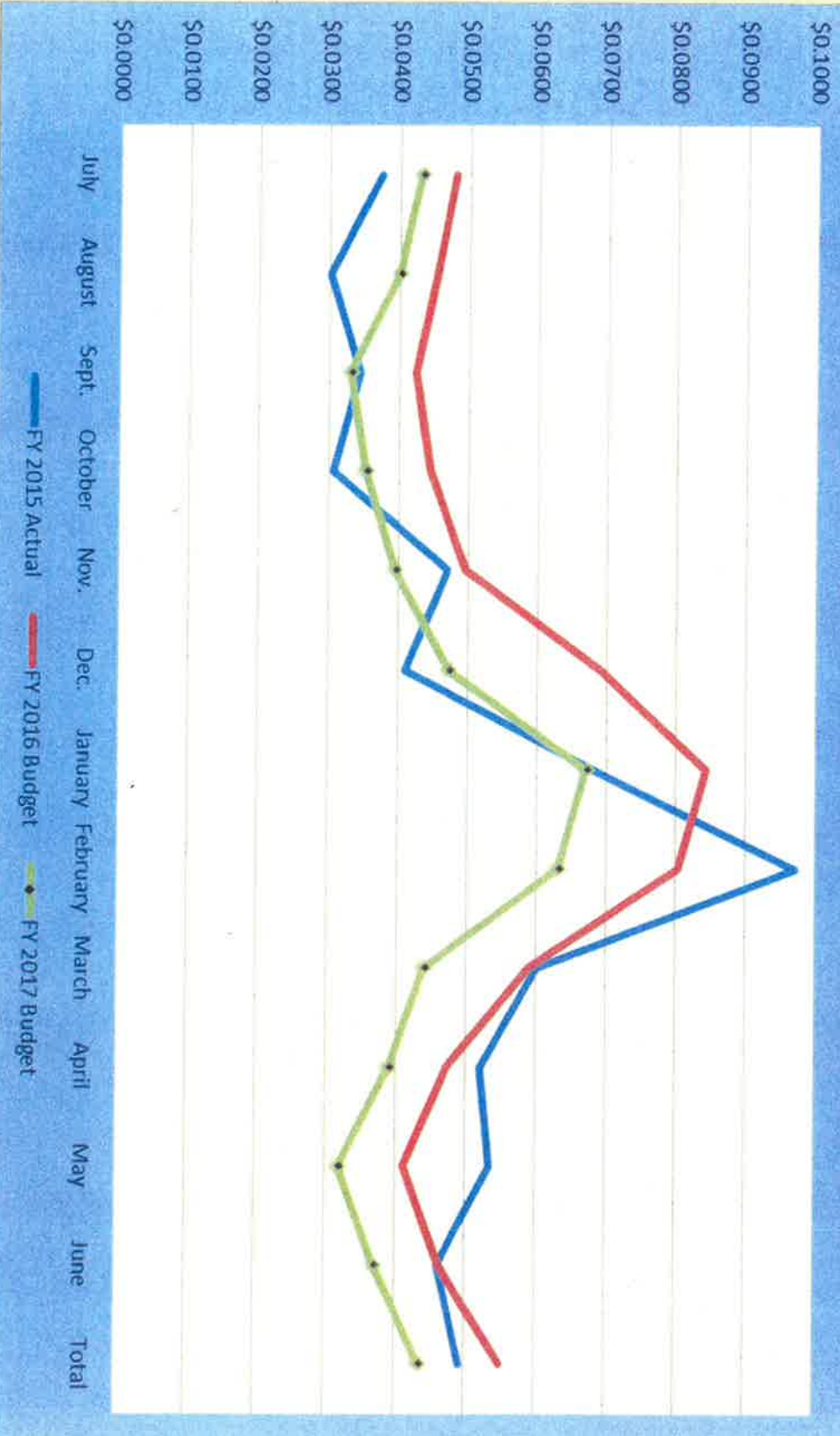
98.75%
709,000
543 kwh / ton
385,000,000 kwh
\$.04344 / kwh
25.1%
178,000 tons
\$58.29

Recycling Operations:

- CSWS Sourced Recyclables -
- FCR Sourced Recyclables -

50,000 tons
10,000 tons

Energy Pricing FY 2015 to FY 2017 (\$ / Kwh)



February 11, 2016

**FISCAL YEAR 2017
CONNECTICUT SOLID WASTE SYSTEM DIVISION
PROPOSED OPERATING BUDGET**

MATERIALS INNOVATION AND RECYCLING AUTHORITY

MIRA - CONNECTICUT SOLID WASTE SYSTEM (CSWS)

ASSUMPTIONS

POWER kWh/ton of RDF Produced

DETAILS	ACTUAL	ADOPTE	PROPOSED	Fiscal Year 17	Better (Worse) than FY16 Budget
	FY15	FY16	FY17	units	%
Total kWh Sold	332,091,800	375,000,000	385,000,000	10,000,000	2.67%
Contract rate	\$ 0.0672	\$ 0.05412	n/a	n/a	n/a
Non-Contract rate	\$ 0.0329	varies by month	0.0434	n/a	n/a
Capacity Payment	\$ 1,487,132	\$ 1,788,000	\$ 1,857,000	69,000	3.86%
Renewable Energy Credits (REC) II	\$ 100,401	\$ 115,000	\$ 375,000	260,000	226.09%

DELIVERIES MSW

Participating Towns	370,939	378,500	378,500	-	0.00%
Hauler Contract	163,015	155,000	142,800	(12,200)	-7.87%
Other Contract	92,944	100,000	95,000	(5,000)	-5.00%
Municipal Bulky Waste	700	500	3,000	2,500	500.00%
Spot - MSW	26,202	61,000	83,000	22,000	36.07%
Ferrous Residue (Inbound)	10,004	10,000	10,000	-	0.00%
Recycling Residue	4,871	5,415	5,700	285	5.26%
Total MSW	668,675	710,415	718,000	7,585	1.07%

RECYCLING OPERATIONS

Recycling Delivery Credit per Ton	\$ 5.00	\$ 10.00	\$ 5.00	(5.00)	-50.00%
CSWS Acceptable Recyclables (tons)	51,312	47,000	50,000	3,000	6.38%
Contractor Sourced Acceptable Recyclables (tons)	15,783	10,000	10,000	-	0.00%
Total Recyclable Materials	67,095	57,000	60,000	3,000	5.26%
Recycling Residue	n/a	9.50%	9.50%	0.00%	0.00%
CSWS Paper Per Ton Sales Revenue - ONP	n/a	n/a	39.71%	n/a	n/a
CSWS Paper Per Ton Sales Revenue - OCC	n/a	n/a	15.57%	n/a	n/a
CSWS Container Per Ton Sales Revenue	n/a	n/a	24.26%	n/a	n/a
CSWS Commercial Tons	n/a	n/a	0.14%	n/a	n/a
FCR Paper Per Ton Sales Revenue-ONP	n/a	n/a	9.26%	n/a	n/a
FCR Paper Per Ton Sales Revenue-OCC	n/a	n/a	3.60%	n/a	n/a
FCR Container Per Ton Sales Revenue	n/a	n/a	5.61%	n/a	n/a
FCR Commercial Tons	n/a	n/a	1.85%	n/a	n/a

Outbound Tons

Recycling Residue Total	n/a	n/a	5,700	n/a	n/a
Recycling Residue Chargeable	n/a	2,350	2,700	350	14.89%
CSWS Paper Per Ton Sales Revenue - ONP	n/a	n/a	21.563	n/a	n/a
CSWS Paper Per Ton Sales Revenue - OCC	n/a	n/a	8.455	n/a	n/a
CSWS Container Per Ton Sales Revenue	n/a	n/a	13,173	n/a	n/a
CSWS Commercial Tons	n/a	n/a	76	n/a	n/a
FCR Paper Per Ton Sales Revenue-ONP	n/a	n/a	5,028	n/a	n/a
FCR Paper Per Ton Sales Revenue-OCC	n/a	n/a	1,955	n/a	n/a
FCR Container Per Ton Sales Revenue	n/a	n/a	3,046	n/a	n/a
FCR Commercial Tons	n/a	n/a	1,005	n/a	n/a

Recycling Sales

Residential Recyclables Per Ton Revenues	n/a	8.50	8.50	0.00%	0.00%
Commercial Recyclables Per Ton Revenues	n/a	7.50	7.50	0.00%	0.00%
CSWS Paper Per Ton Sales Revenue - ONP	n/a	6.00	6.00	0.00%	0.00%
CSWS Paper Per Ton Sales Revenue - OCC	n/a	n/a	10.00	n/a	n/a
CSWS Container Per Ton Sales Revenue	n/a	n/a	15.00	n/a	n/a
CSWS Commercial Tons	n/a	n/a	50.00	n/a	n/a
FCR Paper Per Ton Sales Revenue-ONP	n/a	n/a	2.00	n/a	n/a
FCR Paper Per Ton Sales Revenue-OCC	n/a	n/a	3.00	n/a	n/a
FCR Container Per Ton Sales Revenue	n/a	n/a	8.00	n/a	n/a

MIRA - CONNECTICUT SOLID WASTE SYSTEM (CSWS)

ASSUMPTIONS		DETAILS				Variance	
		ACTUAL	ADOPTED	PROPOSED	Better (Worse) than FY16 Budget	Fiscal Year 17	units
		FY15	FY16	FY17			

FACILITY OPERATIONS		DETAILS				Variance	
		ACTUAL	ADOPTED	PROPOSED	Better (Worse) than FY16 Budget	Fiscal Year 17	units
		FY15	FY16	FY17			
Tons Processed		641,000	701,000	717,000	16,000		2.28%
RDF Consumed		632,000	693,000	709,000	16,000		2.31%
Residue Rates		26.03%	25.11%	25.11%	0.00%		-0.01%
Ash Rate (Per Ton of RDF)		25.17%	24.82%	24.83%	0.00%		0.02%
Ash Rate (Per Ton of MSW)		0.00%	0.00%	0.00%	0.00%		0.00%
Process Residue Rate (Per Ton of MSW)		2.78%	3.00%	3.00%	0.00%		0.00%
Ferrous Metals Rate (Outbound) (Per Ton of MSW)		1.53%	2.00%	2.00%	0.00%		0.00%
Non-processible Waste - Out-of-State		0.11%	0.10%	0.11%	0.01%		10.00%
Other		\$ 60.66	\$ 75.00	\$ 50.00	(25.00)		-33.33%
Ferrous Metals including post combustion (Outbound)		\$ 18,980	\$ 21,000	\$ 22,000	1,000		4.76%
Scrap Metal Maintenance Metal Revenue (price per ton)		\$ 215.46	\$ 267.00	\$ 100.00	(167.00)		-62.55%
Scrap Metal Maintenance Metal Revenue (Outbound)		\$ 270.68	675	350	(325)		-48.15%
MUNICIPAL PAYMENTS							
Fees		\$ 0.560	\$ 0.570	\$ 0.580	0.01		1.75%
Essex TS Host Benefit (per ton)		\$ 0.560	\$ 0.570	\$ 0.580	0.01		1.75%
Watertown TS Host Benefit (per ton)		\$ 0.560	\$ 0.570	\$ 0.580	0.01		1.75%
Deliveries		66,185	54,000	67,500	500		0.75%
Essex TS Host Benefit		54,737	47,000	56,000	2,000		3.70%
Watertown TS Host Benefit		112,452	110,000	112,000	2,000		1.82%
WASTE TRANSPORT							
Fees		\$ 13.69	\$ 14.35	\$ 14.43	0.08		0.56%
Essex per ton MSW		\$ 20.74	\$ 21.52	\$ 21.65	0.13		0.60%
Torrington per ton MSW		\$ 12.21	\$ 12.93	\$ 13.01	0.08		0.62%
Torrington Recyclables		\$ 22.62	\$ 23.52	\$ 23.66	0.14		0.60%
Torrington per ton Recyclables		\$ 13.64	\$ 14.35	\$ 14.43	0.08		0.56%
Watertown per ton MSW		\$ 20.69	\$ 21.52	\$ 21.65	0.13		0.60%
Watertown Recyclables		\$ 9.32	\$ 9.46	na	na		na
Sharon/Salisbury per ton MSW		\$ 108.66	\$ 110.34	\$ 108.34	(2.00)		-1.81%
RD#1 per load MSW		\$ 59.22	\$ 61.64	\$ 58.29	(3.35)		-5.43%
Ash to Other (blended rate per ton T&D)		\$ 97.00	\$ 102.71	\$ 105.79	3.08		3.00%
Non-processible Waste to Other (per ton T&D)		\$ 65.00	\$ 65.00	\$ 66.00	1.00		1.54%
South Central Facility		\$ 58.00	\$ 58.00	\$ 58.00	-		0.00%
Southeast Project		\$ -	\$ 62.00	\$ -	(62.00)		-100.00%
Other Location		\$ -	\$ -	\$ -	-		0.00%
Hauled Tons		58,050	59,000	59,000	-		0.00%
Essex MSW		8,134	8,500	8,500	500		6.25%
Essex Recyclables		46,880	47,000	47,000	-		0.00%
Torrington MSW		7,857	7,000	9,000	2,000		28.57%
Torrington Recyclables		106,520	104,000	106,000	2,000		1.92%
Watertown MSW		5,932	6,000	6,000	-		0.00%
Watertown Recyclables		2,055	3,000	na	na		na
Sharon/Salisbury MSW		172	200	185	(15)		-7.50%
RD#1 per load MSW		163,744	174,000	178,000	4,000		2.30%
Ash to Other		260	600	750	150		25.00%
Non-processible Waste to Other		162	1,000	-	(1,000)		-100.00%
South Central Facility		7,351	-	1,000	1,000		na
Southeast Project		9,758	1,000	1,000	-		0.00%
Total Diverted MSW Tons		9,758	1,000	1,000	-		0.00%
South Central Diversion & Other Location		na	na	na	na		na
Diverted MSW Tons		9,758	1,000	1,000	-		0.00%
MSW Byproduct Tons		163,744	174,000	178,000	4,000		2.30%
Ash to Other		260	600	750	150		25.00%
Non-processible Waste to Other		162	1,000	-	(1,000)		-100.00%
South Central Facility		7,351	-	1,000	1,000		na
Southeast Project		9,758	1,000	1,000	-		0.00%
Total Diverted MSW Tons		9,758	1,000	1,000	-		0.00%

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

REVENUES		ACCOUNT	DESCRIPTION	ACTUAL	ADOPTE	PROPOSED	Variance
				FY15	FY16	FY17	units
							Better (Worse) than FY16 Budget
							Fiscal Year 17
							%
3.18%		49-001-000-40101	Service Charges Solid Waste-Participating Town	\$ 23,351,179	\$ 23,811,000	\$ 24,568,000	757,000
-7.87%		49-001-000-40110	Service Charges Solid Waste-Hauler Contracts	\$ 10,432,950	\$ 9,920,000	\$ 9,139,200	(780,800)
-2.48%		49-001-000-40109	Service Charges Solid Waste-Other Contracts	\$ 4,771,163	\$ 5,040,000	\$ 4,913,200	(124,800)
19.68%		49-001-000-40103	Service Charges Solid Waste - Spot	\$ 1,077,775	\$ 2,851,000	\$ 3,412,000	561,000
-23.08%		49-001-000-40111	Member Service Fee	\$ 50,845	\$ 52,000	\$ 40,000	(12,000)
-35.34%		49-001-000-49104	Metal Sales	\$ 1,362,533	\$ 1,755,225	\$ 1,135,000	(620,225)
290.41%		49-001-000-49106	Municipal Bulky Waste & Mattresses Box Spring	\$ 91,982	\$ 73,000	\$ 285,000	212,000
-20.62%		49-001-000-42101	Recycling Facility	\$ 1,264,237	\$ 1,234,316	\$ 979,828	(254,488)
-15.81%		49-001-000-xxxxx	Electricity	\$ 17,983,722	\$ 22,515,059	\$ 18,956,400	(3,558,659)
20.21%		49-001-000-45150	Miscellaneous Income	\$ 40,114	\$ 21,000	\$ 25,245	4,245
50.00%		49-001-000-46101	Interest Income	\$ 27,308	\$ 10,000	\$ 15,000	5,000
TOTAL OPERATING REVENUES				\$ 60,453,828	\$ 67,282,600	\$ 63,470,873	(3,811,727)
							-5.67%

EXPENDITURES		ACCOUNT	DESCRIPTION	ACTUAL	ADOPTE	PROPOSED	Variance
				FY15	FY16	FY17	units
							Better (Worse) than FY16 Budget
							Fiscal Year 17
							%
3.39%		49-001-501-57871	Administrative Expenses	\$ 3,345,510	\$ 3,271,618	\$ 3,160,621	110,997
14.88%		49-001-501-xxxxx	Operational Expenses	\$ 2,416,437	\$ 3,444,678	\$ 2,932,033	512,643
-1.04%		49-001-xxx-xxxxx	Assessment, Fees, Subsidies, & PILOTS	\$ 2,603,127	\$ 2,687,000	\$ 2,715,000	(28,000)
2.03%		49-001-505-xxxxx	Waste Transport	\$ 13,431,297	\$ 13,848,620	\$ 13,567,622	280,998
5.87%		49-001-xxx-xxxxx	MIRA Facilities Operating Expenses	\$ 1,073,025	\$ 1,146,000	\$ 1,078,700	67,300
-2.73%		49-001-xxx-xxxxx	NAES Contract Operating Charges	\$ 28,394,626	\$ 29,485,000	\$ 30,289,971	(804,971)
0.65%		49-001-xxx-52719	NAES On-Site Incentive Compensation	\$ 835,070	\$ 919,000	\$ 913,025	5,975
-3.18%		49-001-501-59105	NAES Management Fees & Charges	\$ 1,016,134	\$ 1,195,000	\$ 1,233,000	(38,000)
0.00%		49-001-501-xxxxx	Murphy Road Operations Center	\$ 139,000	\$ 127,300	\$ 127,300	-
-0.41%		49-001-xxx-xxxxx	Transfer Stations	\$ 1,642,531	\$ 1,700,000	\$ 1,706,900	(6,900)
36.17%		49-001-506-xxxxx	Recycling Facility	\$ 705,289	\$ 926,170	\$ 591,215	334,955
TOTAL OPERATING EXPENDITURES				\$ 55,602,047	\$ 58,750,386	\$ 58,315,389	434,997
							0.74%

NET INCOME / (LOSS) \$ 4,851,781

\$ 8,532,214 \$ 5,153,484 \$ (3,376,730) -39.58%

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

DISBURSEMENT OF CSWS NET INCOME		ACCOUNT	DESCRIPTION	ACTUAL FY15	ADOPTED FY16	PROPOSED FY17	Variance Fiscal Year 17 Better (Worse) than FY16 Budget units %
\$	9.19%	49-001-501-52687	Contribution to CSWS Improvement Fund	\$ 9,452,004	\$ 10,320,705	\$ 868,701	9.19%
\$	461.57%	49-001-000-47216	CSWS Tip Fee Stabilization Fund	\$ (919,790)	\$ (5,165,221)	\$ (4,245,431)	461.57%
\$	-			\$ -	\$ -	\$ -	-
\$	-39.58%		TOTAL DISBURSEMENT OF CSWS NET INCOME	\$ -	\$ 8,532,214	\$ 5,155,484	-39.58%
\$	0.00%		BALANCE	\$ 4,851,781	\$ -	\$ -	0.00%

TIP FEES		ACCOUNT	DESCRIPTION	ACTUAL FY15	ADOPTED FY16	PROPOSED FY17	Variance Fiscal Year 17 Better (Worse) than FY16 Budget units %
\$	3.13%	MSW	Tier 1 Short-term	\$ 64.00	\$ 64.00	\$ 66.00	3.13%
\$	3.23%		Tier 1 Long-term / Tier 3	\$ 62.00	\$ 62.00	\$ 64.00	3.23%
\$	n/a		Tier 4	\$ -	\$ -	\$ 67.00	n/a
\$	3.03%		Tier 2	\$ 566.00 - 568.50	\$ 66.00	\$ 68.00	3.03%
\$	n/a		Other Contracts Tip Fee	\$ -	\$ -	\$ -	n/a
\$	0.00%		Hauler Contracts Tip Fee	\$ 64.00	\$ 64.00	\$ 64.00	0.00%
\$	0.00%		Municipal Bulky Waste	\$ 85.00	\$ 85.00	\$ 85.00	0.00%
\$	n/a		Spot	\$ -	\$ -	\$ -	n/a
\$	0.00%	Other	Matresses Box Spring Surcharge (per unit)	\$ 30.00	\$ 30.00	\$ 30.00	0.00%
\$	0.00%		Ferrous Residue (Inbound)	\$ 40.00	\$ 40.00	\$ 40.00	0.00%

(a) Rate based on negotiated contract.
(b) Rate based on market condition.

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL	ADOPTED	PROPOSED	units	%
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ADMINISTRATIVE EXPENSES

INDIRECT SALARIES/LABOR & BENEFITS - ADMINISTRATION	\$ 3,345,510	\$ 3,271,618	\$ 3,160,621	110,997		3.39%
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OPERATIONAL EXPENSES

DIRECT SALARIES/LABOR & BENEFITS - OPERATIONAL	\$ 1,284,465	\$ 1,910,678	\$ 1,696,996	213,682		11.18%
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ASSET PROTECTION & STATUTORY COMPLIANCE

Legal Notices	\$ 2,674	\$ 7,500	\$ 7,500	7,500		0.00%
Project Equipment Maintenance	\$ (605)	\$ -	\$ -	-		n a
Fees Licenses Permits	\$ 40	\$ 1,000	\$ 600	400		40.00%
Claims Losses	\$ 11,066	\$ 50,000	\$ 10,000	40,000		80.00%
Bad Debt Expense	\$ -	\$ 500	\$ 500	-		0.00%
Legal	\$ 235,264	\$ 100,000	\$ 100,000	233,440		0.00%
WPF and PBF Insurance Premium	\$ 733,858	\$ 1,166,000	\$ 932,560	233,440		20.02%
Insurance Broker	\$ 49,602	\$ 60,000	\$ 48,000	12,000		20.00%
Subtotal Asset Protection & Statutory Compliance	\$ 1,031,899	\$ 1,385,000	\$ 1,099,160	285,840		20.64%

ENGINEERING, TECHNOLOGY, AND EQUIPMENT/FACILITY

Engineering & Technology Consulting Services	\$ 29,779	\$ 30,000	\$ 30,000	30,000		0.00%
Computer Hardware	\$ 336	\$ 1,500	\$ 5,000	(3,500)		-233.33%
Computer Software	\$ -	\$ 500	\$ 300	200		40.00%
Subtotal Engineering, Technology, and Equipment/Facility	\$ 30,115	\$ 32,000	\$ 35,300	(3,300)		-10.31%

OTHER OPERATING EXPENSES

Postage & Delivery Fees	\$ 1,074	\$ 4,100	\$ 4,100	4,100		0.00%
Printing Services	\$ 8,584	\$ 5,000	\$ 7,500	(2,500)		-50.00%
Office Supplies	\$ 495	\$ 4,000	\$ 1,500	2,500		62.50%
Protect Clothing Safety Equipment	\$ 6,233	\$ 4,400	\$ 6,800	(2,400)		-54.55%
Miscellaneous Services	\$ 100	\$ 1,000	\$ 179	821		82.10%

n a not applicable

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL	ADOPTED	PROPOSED	Variance
		FY15	FY16	FY17	Fiscal Year 17
					Better (Worse) than FY16 Budget
					%

49-001-501-xxxx	Meetings & Training	\$ 2,454	\$ 15,500	\$ 4,000	25.81%
49-001-501-52401	Vehicle Repair Maintenance	\$ 5,059	\$ 16,000	\$ 5,000	31.25%
49-001-501-52612	Fuel for Vehicles	\$ 11,958	\$ 17,000	\$ 4,000	23.53%
49-001-501-52615	Temporary Agency Services	\$ 34,002	\$ -	\$ (5,000)	100.00%
49-001-501-52859	Financial Services	\$ -	\$ 50,000	\$ 40,000	20.00%

Subtotal Other Operating	\$ 69,958	\$ 117,000	\$ 100,579	\$ 16,421	14.04%
Subtotal Operational Expenses	\$ 2,416,437	\$ 3,444,678	\$ 2,932,035	\$ 512,643	14.88%

ASSESSMENT, FEES, SUBSIDIES, & PILOTS

49-001-501-52507	City of Hartford PILOT	\$ 1,500,000	\$ 1,500,000	\$ -	0.00%
49-001-xxxx-52508	Transfer Station Host Community Benefit Fees	\$ 145,692	\$ 147,500	\$ (4,000)	-2.71%
49-001-602-52506	Solid Waste Assessment (Dioxin)	\$ 957,435	\$ 1,039,500	\$ 1,063,500	-2.31%

Subtotal Assessment, Fees, Subsidies, & PILOTS	\$ 2,603,127	\$ 2,687,000	\$ 2,715,000	\$ (28,000)	-1.04%
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WASTE TRANSPORT

49-001-501-52701	Contract Operating Charges (excludes recycling transportation)	\$ 2,878,686	\$ 2,996,620	\$ 3,054,660	10.77%
49-001-505-52710	Disposal Fees - Solid Waste Bypass	\$ 805,167	\$ 65,000	\$ 7,000	-1.94%
49-001-505-52711	Ash Disposal	\$ 9,702,048	\$ 10,725,360	\$ 349,740	3.26%
49-001-505-52716	Non-Processible Disposal Fees	\$ 43,396	\$ 61,640	\$ 79,343	-28.72%

Subtotal Waste Transport	\$ 13,431,297	\$ 13,848,620	\$ 13,567,622	\$ 280,998	2.03%
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MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL	ADOPTED	PROPOSED	Fiscal Year 17	Variance
					Better (Worse) than FY 16 Budget	%

MIRA FACILITIES OPERATING EXPENSES

49-001-601-52104	Telecommunications	\$ 1,618	\$ 1,600	\$ 1,625	\$ (25)	-1.56%
49-001-601-52404	Building Operations	\$ 4,873	\$ 7,000	\$ 7,000	\$ -	0.00%
49-001-601-53304	Electricity	\$ 149	\$ -	\$ 100	\$ (100)	100.00%
49-001-601-54482	Computer Hardware	\$ -	\$ 500	\$ 300	\$ 200	-40.00%
49-001-601-52407	Project Equipment Maintenance	\$ 800	\$ 6,500	\$ 3,500	\$ 3,000	46.15%
49-001-601-52502	Fees/Licenses/Permits	\$ 1,000	\$ 8,000	\$ 5,875	\$ 2,125	26.56%
49-001-601-52709	Other Operating Charges	\$ 30,780	\$ 36,100	\$ 34,000	\$ 2,100	5.82%
49-001-601-52858	Engineering Consultants	\$ 45,407	\$ 38,100	\$ 49,100	\$ (11,000)	-28.87%
49-001-601-52901	Environmental Testing	\$ 11,429	\$ 5,000	\$ 13,100	\$ (8,100)	-162.00%
Subtotal MIRA WPF Operating Expenses		\$ 96,056	\$ 103,000	\$ 114,600	\$ (11,600)	-11.26%
49-001-602-52502	Fees/Licenses/Permits	\$ 296,641	\$ 345,000	\$ 335,750	\$ 9,250	2.68%
49-001-602-52720	Power Products Management Fee	\$ 79,220	\$ 75,100	\$ 75,800	\$ (700)	-0.93%
49-001-602-52858	Engineering Consultants	\$ 13,846	\$ 33,100	\$ 27,100	\$ 6,000	18.13%
49-001-602-52901	Environmental Testing	\$ 47,852	\$ 102,300	\$ 59,450	\$ 42,850	41.89%
49-001-602-53304	Electricity	\$ 276,673	\$ 128,000	\$ 176,000	\$ (48,000)	-37.50%
49-001-602-53309	Other Utilities	\$ 262,737	\$ 360,000	\$ 290,000	\$ 70,000	19.44%
Subtotal MIRA PBF Operating Expenses		\$ 976,969	\$ 1,043,500	\$ 964,100	\$ 79,400	7.61%
Total MIRA Facilities Operating Expenses		\$ 1,073,025	\$ 1,146,000	\$ 1,078,700	\$ 67,300	5.87%

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

EXPENDITURE DETAILS

ACCOUNT	DESCRIPTION	ACTUAL	ADOPTED	PROPOSED	units	Variance
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Fiscal Year 17
 Better (Worse) than FY 16 Budget
 %

NAES CONTRACT OPERATING CHARGES

49-001-601-52701	WPF Operating & Maintenance (O&M) Fees	\$ 4,772,309	\$ 5,244,300	\$ 4,693,700	S	550.600	10.50%
49-001-601-52718	WPF Labor & Overhead	\$ 5,427,971	\$ 5,906,000	\$ 6,026,948	S	(120,948)	-2.05%
49-001-601-xxxxx	Subtotal NAES WPF Contract Operating Charges	\$ 10,200,280	\$ 11,150,000	\$ 10,720,648	S	429,352	3.85%

49-001-602-52701	PBF Operating & Maintenance (O&M) Fees	\$ 10,823,121	\$ 10,543,500	\$ 11,480,058	S	(936,558)	-8.88%
49-001-602-52718	PBF Labor & Overhead	\$ 7,371,225	\$ 7,791,200	\$ 8,089,265	S	(298,065)	-3.83%
49-001-602-xxxxx	Subtotal NAES PBF Contract Operating Charges	\$ 18,194,346	\$ 18,335,000	\$ 19,569,323	S	(1,234,323)	-6.73%

NAES ON-SITE INCENTIVE COMPENSATION

49-001-601-52719	WPF On-Site Personnel Incentive Compensation	\$ 349,933	\$ 393,000	\$ 383,922	S	9,078	2.31%
49-001-602-52719	PBF On-Site Personnel Incentive Compensation	\$ 485,137	\$ 526,000	\$ 529,103	S	(3,103)	-0.59%
	Subtotal NAES On-Site Incentive Compensation	\$ 835,070	\$ 919,000	\$ 913,025	S	5,975	0.65%

NAES MANAGEMENT FEES & CHARGES

49-001-501-52703	Management Fee	\$ 700,199	\$ 803,000	\$ 816,000	S	(13,000)	-1.62%
49-001-501-52717	Engineering, accounting, and regulation expenses	\$ 315,935	\$ 392,000	\$ 417,000	S	(25,000)	-6.38%
	Subtotal NAES Management Fees & Charges	\$ 1,016,134	\$ 1,195,000	\$ 1,233,000	S	(38,000)	-3.18%

MURPHY ROAD OPERATIONS CENTER

49-001-501-59105	CSWS Share of Murphy Rd Operations Center	\$ 139,000	\$ 127,300	\$ 127,300	S	-	0.00%
	Subtotal Murphy Rd Operations Center	\$ 139,000	\$ 127,300	\$ 127,300	S	-	0.00%

TRANSFER STATION - ELLINGTON (G)

49-001-610-52104	Telecommunications	\$ 263	\$ 1,000	\$ 1,000	S	-	0.00%
49-001-610-52404	Building Operations	\$ 1,924	\$ 5,500	\$ 9,000	S	(3,500)	-63.64%
49-001-610-52407	Project Equipment Maintenance	\$ 1,574	\$ -	\$ -	S	-	n/a
49-001-610-52415	Ground Maintenance	\$ -	\$ 2,500	\$ 5,000	S	(2,500)	-100.00%
49-001-610-53304	Electricity	\$ 4,148	\$ 4,500	\$ 5,000	S	(500)	-11.11%
49-001-610-52502	Fees Licenses Permits	\$ 288	\$ 2,500	\$ 2,500	S	-	0.00%
	Subtotal Ellington TS	\$ 8,197	\$ 16,000	\$ 22,500	S	(6,500)	-40.63%

(c) Ellington TS closed in January 2013

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

EXPENDITURE DETAILS

Fiscal Year 17
 Better (Worse) than FY16 Budget
 %

ACCOUNT DESCRIPTION ACTUAL FY16 ADOPTED PROPOSED FY17

units

TRANSFER STATION - ESSEX

49-001-611-52104	Telecommunications	\$	2,200	\$	2,100	\$	2,100	S	2,100	0.00%
49-001-611-52404	Building Operations	\$	3,440	\$	11,600	\$	11,600	S	900	7.20%
49-001-611-52407	Project Equipment Maintenance	\$	8,471	\$	11,500	\$	11,500	S	-	0.00%
49-001-611-52502	Fees Licenses Permits	\$	342	\$	1,550	\$	1,550	S	-	0.00%
49-001-611-52701	Contract Operating Charges	\$	533,462	\$	532,800	\$	536,550	S	(3,750)	-0.70%
49-001-611-52858	Engineering Consultants	\$	2,169	\$	8,000	\$	5,000	S	3,000	37.50%
49-001-611-52901	Environmental Testing	\$	175	\$	2,450	\$	2,200	S	250	10.20%

Subtotal Essex TS

\$ 550,260 \$ 570,900 \$ 570,500 S 400 0.07%

TRANSFER STATION - TORRINGTON

49-001-612-52104	Telecommunications	\$	2,494	\$	2,600	\$	2,600	S	2,600	0.00%
49-001-612-52404	Building Operations	\$	3,409	\$	9,000	\$	10,000	S	(1,000)	-11.11%
49-001-612-52407	Project Equipment Maintenance	\$	7,971	\$	11,500	\$	11,500	S	-	0.00%
49-001-612-52502	Fees Licenses Permits	\$	342	\$	1,550	\$	1,550	S	-	0.00%
49-001-612-52701	Contract Operating Charges	\$	516,564	\$	511,000	\$	514,250	S	(3,250)	-0.64%
49-001-612-52858	Engineering Consultants	\$	1,730	\$	8,000	\$	5,000	S	3,000	37.50%
49-001-612-52901	Environmental Testing	\$	2,385	\$	2,450	\$	2,500	S	(50)	-2.04%

Subtotal Torrington TS

\$ 534,896 \$ 546,100 \$ 547,400 S (1,300) -0.24%

TRANSFER STATION - WATERTOWN

49-001-613-52104	Telecommunications	\$	1,182	\$	1,700	\$	1,600	S	100	5.88%
49-001-613-52404	Building Operations	\$	4,828	\$	10,000	\$	9,000	S	1,000	10.00%
49-001-613-52407	Project Equipment Maintenance	\$	7,971	\$	11,500	\$	11,500	S	-	0.00%
49-001-613-52502	Fees Licenses Permits	\$	342	\$	1,550	\$	1,550	S	-	0.00%
49-001-613-52701	Contract Operating Charges	\$	534,025	\$	532,800	\$	536,600	S	(3,800)	-0.71%
49-001-613-52858	Engineering Consultants	\$	1,247	\$	8,000	\$	5,000	S	3,000	37.50%
49-001-613-52901	Environmental Testing	\$	(416)	\$	1,450	\$	1,250	S	200	13.79%

Subtotal Watertown TS

\$ 549,179 \$ 567,000 \$ 566,500 S 500 0.09%

MIRA - CONNECTICUT SOLID WASTE SYSTEM DIVISION (CSWS)

REVENUE & EXPENDITURE DETAILS		ACTUAL	ADOPTED	PROPOSED	Variance
ACCOUNT	DESCRIPTION	FY15	FY16	FY17	Fiscal Year 17 Better (Worse) than FY16 Budget
					%

RECYCLING FACILITY

REVENUES

49-001-000-42101	Recycling Sales	\$ 1,264,237	\$ 1,234,316	\$ 979,828	(254,488)	-20.62%
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EXPENDITURES

49-001-506-52104	Telecommunications	\$ *	\$ 500	\$ (500)	(500)	-100.00%
49-001-506-52115	Legal Notices	\$ *	\$ 500	\$ (500)	(500)	-100.00%
49-001-506-52305	Bus, Meetings & Travel	\$ *	\$ 500	\$ (500)	(500)	-100.00%
49-001-506-52355	Mileage Reimbursement	\$ *	\$ 500	\$ (500)	(500)	-100.00%
49-001-506-52404	Building Operations	\$ *	\$ 500	\$ (500)	(500)	-100.00%
49-001-506-52407	Project Equipment Maintenance	\$ 2,763	\$ (d)	\$ -	-	n.a.
49-001-506-52502	Fees Licenses/Permits	\$ 10,899	\$ 25,500	\$ 25,500	14,601	0.00%
49-001-506-52520	Recycling Delivery Rebate	\$ 1,563	\$ 4,250	\$ 3,250	1,687	23.53%
49-001-506-52620	Contract Operating Charges	\$ 216,346	\$ 400,000	\$ 400,000	183,654	100.00%
49-001-506-52701	Transportation Expense	\$ 240	\$ 1,000	\$ 500	260	50.00%
49-001-506-52858	Engineering Consultants	\$ 465,876	\$ 465,920	\$ 526,865	60,945	-13.08%
49-001-506-52901	Environmental Testing	\$ 3,052	\$ 5,000	\$ 4,000	1,000	20.00%

Total Expenditures \$ 705,289

\$ 926,170

\$ 591,215

\$ 334,955

36.17%

