



**MATERIALS INNOVATION AND  
RECYCLING AUTHORITY**  
A Component Unit of the State of Connecticut

**CT GENERAL STATUTES SECTION 22a-263  
ANNUAL REPORT  
FOR  
FISCAL YEAR ENDING JUNE 30, 2017**



Materials Innovation and Recycling Authority

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November 14, 2017

The Honorable Joe Aresimowicz  
Speaker of the House  
Legislative Office Building, Room 4105  
300 Capitol Avenue  
Hartford, CT 06106

The Honorable Martin M. Looney  
President Pro Tempore of the Senate  
Legislative Office Building, Room 3300  
300 Capitol Avenue  
Hartford, CT 06106

**RE: Connecticut General Statutes Section 22a-263  
Annual Report of Materials Innovation and Recycling Authority Operations  
For the Fiscal Year Ending June 30, 2017**

Dear Speaker Aresimowicz and President Looney:


Attached please find the annual report of operations of the Materials Innovation and Recycling Authority (the "Authority") to the Connecticut General Assembly for the Fiscal Year ending June 30, 2017, as required by Connecticut General Statutes Section 22a-263 (the "Statute").

During Fiscal Year 2017, the Authority's operations consisted primarily of the Connecticut Solid Waste System (CSWS). The Authority operates the Connecticut Solid Waste System (CSWS) and separately maintains a Property Division and Landfill Division for reporting its other financial activities. The Authority's Mid-Connecticut and Southeast projects remain active only for close out purposes. Therefore, the Statute requirements are reported separately for each project and division.

If you have any questions on these or other matters, or if I may provide additional information, please contact me directly at 860-757-7777.

Sincerely,

Thomas D. Kirk  
President

cc: Mark Daley, Chief Financial Officer   
Laurie Hunt, Esq., Director of Legal Services  
Deepa Krishna, Manager of Accounting and Financial Reporting  
Jeffrey Duvall, Director of Budgets and Cash Management

= A listing of the number and type of waste management service contracts entered into with local government units and persons, and the charges therefore; a listing of the contracts entered into for the services of private industry in the operation of systems and facilities:

Name	Type of Contract	Revenues ( Expenses)	Project
Alternative Resources, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Analytical Consulting Technology	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Arcadis, US, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
CK Environmental, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
D&B Engineers, LLC	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Daymark Energy Advisors, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Diversified Technology Consultants	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Fuss & O'Neill, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Gershman, Brickner & Bratton	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
GNCB Consulting Engineers, P.C.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Halloran and Sage	Agreement for Legal Services-Authority Budget	(\$50,000)	Authority
Halloran and Sage	Agreement for Legal Services-FOIA Complaint	(\$25,000)	Authority
Hatch Mott MacDonald	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
HDR Engineering, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Hooker & Holcombe	401k Plan Services Agreement	On Call	Authority
HRP Associates, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Kainen, Escalera and McHale, PC	Agreement for Legal Services-Employment Matters	(\$25,000)	Authority
Kleinschmidt Association	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
La Capra Associates, Inc.	For Wholesale Electric Rate Forecasts for the ISO New England Control Area	(\$8,500) Not-to-Exceed	Authority
Langan CT, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Loureiro Engineering Associates	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Milone & Macbroom, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Power Advisory, LLC	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Project Management Associates	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
TRC Engineering Corporation	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Van Zelm Heywood & Shadford, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
Zuvic, Carr Associates, Inc.	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	Authority
ADT Security Systems	Service & Repair DVR's for Watertown, Torrington, Essex, RRC and WPF	Term Sheet	CSWS
CWPM, Inc.	Agreement for Equipment rental at Essex & Watertown	(\$5,868)	CSWS
Eversource	Agreement for the Purchase of Sale of Renewable Energy Certificates	(\$19,500)	CSWS
Halloran and Sage	Agreement for Legal Services-CSWS	(\$50,000)	CSWS
Loureiro Engineering Associates	Agreement for Services for Consulting, Engineering and Land Surveying Services	(\$21,298) total for 3 yrs	CSWS
Nextera Energy Resources, LLC	Agreement for South Meadows Resource Recovery Facility and Jet Turbine Facility	On Call	CSWS
Project Management Associates	Agreement for Engineering, Consulting and Power Product Professional Services	On Call	CSWS
TRC Environmental Corporation	Odor Monitoring-CT Solid Waste Systems	(\$30,000)	CSWS
USDA Wildlife Services	Cooperative Service Agreement	(\$31,000) Not-to-Exceed	CSWS
Daymark Energy Advisors, Inc.	Agreement for Services for Power Marketing Professional Services	(\$47,500) Not-to-Exceed	CSWS & Property Division

▪ A listing of the number and type of waste management service contracts entered into with local government units and persons, and the charges therefore; a listing of the contracts entered into for the services of private industry in the operation of systems and facilities:

Halloran and Sage	Request for Legal Services-Landfill Division-General Counsel	(\$5,000)	Landfill
U.S. Solar Corporation	Access and Use Option Agreement	Revenue	Landfill
Cohn Birnbaum Shea	South Meadows Exit Strategy	(\$30,000)	Mid-Conn
Halloran and Sage	Agreement for Legal Services-MDC Arbitration	(\$250,000)	Mid-Conn
Kainen, Escalera and McHale, PC	Agreement for Legal Services-MDC Arbitration	(\$250,000)	Mid-Conn
Cohn Birnbaum Shea	Agreement for Legal Services for Stratford	(\$10,000)	Property Division
Halloran and Sage	Agreement for Legal Services-Property Division	(\$25,000)	Property Division
HRP Associates, Inc.	Agreement for Services for Power Product Professional Services	On Call	Property Division
Pfizer, Inc.	Agreement for Sales of Emission Reduction Credits	(\$39,000)	Property Division
Halloran and Sage	Agreement for Legal Services-Southeast Project	(\$10,000)	Southeast
Hatch Mott MacDonald	Agreement for Engineering Services @ CSWS Recycling Facility	(\$18,729.00)	CSWS
Fuss & O'Neill, Inc.	Agreement for Hartford Landfill Solar for EFG Failure	(\$4,200.00)	MidConnecticut
Amec Holding, LLC	Agreement for the Purchase and Sale of 1410 Honeyspot Road, Stratford, CT	\$4,797,775.32	Property Division
Amec Holding, LLC	Agreement for Short Term Lease on purchase of 1410 Honeyspot Rd, Stratford, CT	\$85,066.68	Property Division
Eversource	Agreement for Temporary Work Space	\$0.00	Property Division
Vimini Valuation	Agreement for Commercial & Industrial Real Estate Services	(\$5,957.00)	Property Division
Vimini Valuation	Agreement for 171 Murphy Road, Hartford, CT	\$0.00	Property Division
Vimini Valuation	Agreement for 1410 Honeyspot Rd., Stratford, CT & 171 Murphy Rd., Hartford, CT	(\$9,575.00)	Property Division
Peoples United Insurance/R.C. Knox	Health/Welfare Broker of Record Services Agreement	No Payment	General
Project Management Associates, LLC.	Draft RRF Renewal Permit - Request For Service related to existing Engineering, Consulting and Power-Product Professional Services Agreement.	(\$1,475.00)	General
Vimini Associates/Vimini Valuation Services	Brokerage Agreement for Leasing of 211 Murphy Road, Hartford, CT - Request For Service related to existing on-call Commercial And Industrial Real Estate Services Agreement	Nothing unless we lease the space	Property Division
Wheelabrator Technologies, Inc.	Agreement for Transportation & Disposal of Ash Residue from CSWS RRF	\$61.00/per ton	CSWS
Tony's Trucking Company, Inc.	Agreement for Delivery of Solid Waste and Recyclables	\$10,264.32	CSWS
Arcadis, U.S. Inc.	Agreement for MIRA Transfer Staton Feasibility Study	(\$75,340)	Authority
Environmental Capital, LLP	Economic Advisory Services Agreement	Not-to-Exceed (\$40,000)	CSWS
HDR Engineering, Inc.	Engineering, Consulting & Power Product Services Agreement	(\$92,350)	CSWS
RRR & Maintenance, Inc.	Solid Waste/Recyclables Delivery Agreement	\$200 - Permit fee	CSWS
TRC Environmental, Inc.	First Amendment to Air Emissions Testing at CSWS Power Block Facility	(\$16,400)	CSWS
Willimantic Waste Paper	Solid Waste/Recyclables Delivery Agreement	\$500 - Permit fee	CSWS
Electrical Energy Systems Corporation	Agreement for Medium Voltage Interconnection	(\$3,813)	Landfill
Greenskies Renewable Energy	Access and Use Option Agreement-Waterbury Landfill	\$7,733	Landfill
Pfizer, Inc.	Agreement for Sale of Emission Reduction Credits	(\$81,500)	Property Division

**Note:**

Authority = MIRA general administrative expenses

PD= Property Division

CSWS = Connecticut Solid Waste System

Expenses are contracted amounts

Revenues are actual revenues earned.

Above list includes multiple Request for services generated from a single contract with a vendor.

Contracts are listed based on effective date of the contract

**STATUS OF OUTSTANDING BONDS ISSUED AS OF JUNE 30, 2017**

**Southeast Project Bonds:** The 2010 Series A Project Refunding Bonds matured and were fully paid during fiscal year 2016 and the State's contingent liability no longer exists.

The Authority was not obligated for the repayment of debt on the 1992 Series A Corporate Credit Bonds that matured and were fully paid in November 2016 or the 2001 Series A Covanta Southeastern Connecticut Company I and II bonds that also matured and were fully paid during fiscal year 2016. The payment of debt on these bonds is not guaranteed by the Authority or the State. Therefore, the Authority does not record the assets and liabilities related to these bond issues on its financial statements.

There are no outstanding bonds as of June 30, 2017.

**A schedule of the amounts of waste received and processed in such facilities:**

<b>Facility</b>	<b>Tons Received for the Year Ending 6/30/17</b>	<b>Tons Processed for the Year Ending 6/30/17</b>
CSWS	643,242	622,673

**A budget showing the administrative expenses of the Authority:**

<b>Project / Division</b>	<b>Adopted FY 2017 Budget (\$000)</b>
CSWS	3,161
Mid-Connecticut Project	253
Property Division	590
Landfill Division	136
Total	4,140

**A report of revenues of the Authority from all sources and of the redistribution of any surplus revenues:**

	Revenues received for the Fiscal Year Ending 6/30/17 (\$000) <sup>(1)</sup>	Redistribution <sup>(2)</sup> for the Fiscal Year Ending 6/30/17 (\$000)	Accrual <sup>(3)</sup> for Redistribution for the Year Ending 6/30/17 (\$000)
CSWS	\$ 55,242	\$ -	\$ -
Landfill Division	\$ (15)	\$ -	\$ -
Mid-Connecticut Project	\$ 81	\$ -	\$ -
Property Division	\$ 11,312	\$ -	\$ -
Southeast Project <sup>(4)</sup>	\$ 6	\$ -	\$ -

<sup>(1)</sup> Revenues include Operating, Investment and Other income ( Sale of assets)

<sup>(2)</sup> There was no redistribution as of 6/30/17.

<sup>(3)</sup> There are no accruals for the redistribution as of 6/30/17.

*Note: Member tipping fees are established based on the municipality's tiered contractual arrangement.*

**The tiered rates for FY17 are as follows:**

Tier 1 short-term	\$	66.00
Tier 1 long-term	\$	64.00
Tier 2	\$	66.00
Tier 3	\$	64.00
Tier 4	\$	66.00

*The non-member tipping fees vary by individual contract.*

**A listing of towns participating in the Authority's Connecticut Solid Waste System.**

**Tier 1 Long (MSW & Recycling)**

Avon  
Bethlehem  
Bloomfield  
Canaan  
Canton  
Clinton  
Colebrook  
Cornwall  
Deep River  
East Granby  
East Hampton  
Ellington  
Essex  
Farmington  
Granby  
Glastonbury  
Goshen  
Harwinton  
Killingworth  
Litchfield  
Marlborough  
Norfolk  
North Canaan  
Old Saybrook  
Portland  
Rocky Hill  
Roxbury  
RRDD#1 (a)  
Torrington  
Watertown  
Wethersfield

**Tier 1 Short (MSW & Recycling)**

Beacon Falls  
Haddam  
Hartford  
Middlebury  
Oxford  
Woodbury  
Salisbury  
Sharon

**Tier 1 Short (MSW only)**

Durham  
Middlefield  
Naugatuck  
Simsbury  
Lyme  
Old Lyme

**T2 (MSW Only)**

Manchester

**T3 (MSW & Recycling)**

Chester  
Thomaston

**T4 (MSW & Recycling)**

East Hartford

(a) Includes Barkhamsted, Winsted, New Hartford



**A. listing showing the location of all facilities owned or leased by the Authority:**

<b>MIRA Owned Property</b>				
Street Address	City	State	Zip	Property Use
6 Howard Avenue	Bridgeport	CT	06604	MIRA owns land only Land is leased to Wheelabrator
171 Murphy Road	Hartford	CT	06114	Adjacent to CSWS Recycling Center
211 Murphy Road	Hartford	CT	06114	Recycling Center and Trash Museum
300 Maxim Road	Hartford	CT	06114	WPF Facility
1 Reserve Road	Hartford	CT	06114	Constitutes the CSWS Waste-to-Energy Facility PBF Facility
1 Reserve Road	Hartford	CT	06114	Jets Facility
Vista Drive	Torrington	CT	06790	Torrington Transfer Station
Echo Lake Road	Watertown	CT	06795	Watertown Transfer Station
140/217 Sadds Mill Road	Ellington	CT	06029	Closed 1993/ January 2013 Ellington Landfill and Transfer Station
866 River Road (Route 110)	Shelton	CT	06484	Closed 1998 Shelton Landfill
109 Nichols Drive	Waterbury	Ct	06708	Closed November, 2009 Waterbury Landfill
Pent Road	Wallingford	CT	06492	Adjacent to the Wallingford Landfill
<b>MIRA Leased Property</b>				
Street Address	City	State	Zip	Property Use
Town Dump Road	Essex	CT	06442	Owned by the Town of Essex Essex Transfer Station
200 Corporate Place- Suite 202	RockyHill	CT	06067	Office Space
<b>MIRA Property with access agreements</b>				
Street Address	City	State	Zip	Property Use
189 Leibert Road	Hartford	CT	06120	Stopped Operating 12/2008 Hartford Landfill

**(A) Ellington Landfill Site consists of the following:**

1. Landfill proper (27 acres)
2. MIRA owns adjacent parcel upon which Transfer Station is located (14 acres) Ellington Transfer Station
3. MIRA owns former Thompson Family Land Trust property: 58 acres (plume control)
4. MIRA owns former Art Barber property: 20 acres (plume control)
5. MIRA owns former Charette property: 1.3 acres (plume control)
6. MIRA owns former B&L Dev Corp property: 5.3 acres (plume control)

**(B) Shelton Landfill Site consists of the following:**

1. Landfill proper (SMUs = 49 acres; entire property = 110 acres)
- a. Includes 1.2 acres leased to City of Shelton for Muni Transfer Station Operation
2. MIRA owns Former Crump Parcel: 6.3 Acres (Plume control)

**(C) Waterbury Landfill Site includes the following:**

1. Landfill is owned by MIRA (5.2 acres)
2. Adjacent Property (1.8 acres) MIRA retains the property for the benefit of the Bridgeport Project Municipalities

**(D) Wallingford Landfill Site includes the following:**

1. Former Barbarino Property: 45 Acres (Plume control) (Algonquin Gas Line Easement)

**(E) Hartford Landfill Site includes the following:**

1. Landfill is owned by City of Hartford (SMUs = 96 acres; entire parcel = 124 acres)  
Owned by City of Hartford
- Hartford landfill is certified closed as of 2/15. MIRA has installed owns and operates a photovoltaic solar panel system location on a portion of the property and therefore MIRA has entered in to a site access agreement with City of Hartford.