



Materials Innovation and Recycling Authority

200 CORPORATE PLACE Suite 202 • Rocky Hill • CONNECTICUT • 06067 • TELEPHONE (860) 757-7700  
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November 2, 2016

The Honorable Brendan Sharkey  
Speaker of the House  
Legislative Office Building, Room 4100  
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, 2016**

Dear Speaker Sharkey 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, 2016, as required by Connecticut General Statutes Section 22a-263 (the "Statute").

During Fiscal Year 2016, the Authority's operations consisted primarily of the Connecticut Solid Waste System (CSWS). The Authority began transitioning financial control of its Southeast Project to the Southeastern Connecticut Regional Resource Recovery Authority (SCRRA) in the first quarter of fiscal year 2016, and by the end of the second quarter; the Authority no longer recognized Southeast Project revenues or expenses on its financial statements. The Mid Connecticut Project remains active on the Authority's financial statements solely for project closeout activities. The Authority also maintains a Property Division and a Landfill Division for assets no longer in service to its projects. Therefore, the referenced Statute's 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,

A handwritten signature in black ink, appearing to read "T. Kirk", is written over a light blue horizontal line.

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



**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, 2016**

▪ 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<br>( Expenses) | Project   |
|---|---|-------------------------|-----------|
| HALLORAN & SAGE                               | Legal Services  | (\$30,000)              | Authority |
| HALLORAN & SAGE                               | Legal Services  | (\$200,000)             | Authority |
| HORTON INTERNATIONAL LLC                      | Human Resources Consulting  | On-call                 | Authority |
| KAINEN, ESCALERA                              | Legal Services  | (\$25,000)              | Authority |
| LINIUM STAFFING                               | Human Resources Consulting  | on-call                 | Authority |
| MR. VALUATION                                 | Real Estate Services Agreement  | on-call                 | Authority |
| VIMINI VALUATION                              | Real Estate Services Agreement  | on-call                 | Authority |
| A.J WASTE SYSTEM                              | Solid Waste Delivery  | \$330,358               | CSWS      |
| ALBREADA REFUSE & SWEEPING                    | Solid Waste Delivery  | \$36,694                | CSWS      |
| ALL ABOUT SERVICE                             | Solid Waste Delivery  | \$116,159               | CSWS      |
| ALL AMERICAN, ALL WASTE, SOMERS<br>SANITATION | Solid Waste Delivery  | \$2,511,762             | CSWS      |
| ALL TOWN HAULING                              | Solid Waste Delivery  | \$643                   | CSWS      |
| ALLIED SANITATION, INC                        | Solid Waste Delivery  | \$674                   | CSWS      |
| AMERICAN CARTING COMPANY                      | Solid Waste Delivery  | \$12,070                | CSWS      |
| ARTIC TRUCKING SERVICES                       | Solid Waste Delivery  | \$360                   | CSWS      |
| CAN IT LLC                                    | Solid Waste Delivery  | \$6,034                 | CSWS      |
| CANTON VILLAGE CONSTRUCTION COMPANY           | Solid Waste Delivery  | \$636                   | CSWS      |
| CAPITAL SWEEPING SERVICES INC.                | Solid Waste Delivery  | \$4,945                 | CSWS      |
| CONNECTICUT WASTE SYSTEMS                     | Solid Waste Delivery  | \$6,498                 | CSWS      |
| COPE'S RUBBISH REMOVAL                        | Solid Waste Delivery  | \$151,001               | CSWS      |
| CWPM  | Solid Waste Delivery  | \$765,617               | CSWS      |
| CWPM LLC                                      | Delivery Of Interruptible Waste   | \$234,262               | CSWS      |
| DAINTY RUBBISH SVS                            | Solid Waste Delivery  | \$85,653                | CSWS      |
| DISPOSAL PLUS LLC                             | Solid Waste Delivery  | No revenue yet          | CSWS      |
| HALLORAN & SAGE                               | Legal Services  | (\$50,000)              | CSWS      |
| HANNA PAPER RECYCLING INC.                    | Solid Waste Delivery  | \$2,247                 | CSWS      |
| HOMETOWN WASTE                                | Solid Waste Delivery  | \$266,812               | CSWS      |
| HQ DUMPSTERS                                  | Solid Waste Delivery  | \$17,885                | CSWS      |
| HRP ASSOCIATES                                | Engineering Services To Replace Roof At 171 Murphy Road                   | (\$4,600)               | CSWS      |
| HRP ASSOCIATES                                | Engineering Services For Roof Structure At Essex Transfer<br>Station      | (\$4,000)               | CSWS      |
| HRP ASSOCIATES                                | Engineering Services For Roof Structure At Torrington<br>Transfer Station | (\$4,000)               | CSWS      |
| JANSKYS RUBBISH REMOVAL COMPANY               | Solid Waste Delivery  | No revenue yet          | CSWS      |
| JOE ROCCO RUBBISH REMOVAL                     | Solid Waste Delivery  | \$33,493                | CSWS      |
| JOHN REFUSE & RECYCLING                       | Solid Waste Delivery  | \$124,738               | CSWS      |
| K&W MATERIALS RECYCLING                       | Delivery Of Interruptible Waste   | No revenue yet          | CSWS      |
| MURPHY ROAD RECYCLING                         | Delivery Of Interruptible Waste   | \$240,120               | CSWS      |
| OLD LYME SANITATION                           | Solid Waste Delivery  | No revenue yet          | CSWS      |
| OLIVER RUBBISH REMOVAL                        | Solid Waste Delivery  | \$4,044                 | CSWS      |
| OLSEN SANITATION COMPANY                      | Solid Waste Delivery  | \$22                    | CSWS      |
| PAINE'S INC.                                  | Solid Waste Delivery  | \$432,848               | CSWS      |
| PATTERSON ENTERPRISES INC                     | Solid Waste Delivery  | \$5,094                 | CSWS      |
| PETES WASTE REMOVAL                           | Solid Waste Delivery  | \$15,423                | CSWS      |
| PJ TRUCKING INC                               | Solid Waste Delivery  | No revenue yet          | CSWS      |
| PMA, LLC                                      | Consulting, Engineering Agreement   | (\$8,700)               | CSWS      |
| PMA, LLC                                      | Consulting, Engineering Agreement   | (\$3,770)               | CSWS      |
| RICHARD RIGGIO AND SONS INC.                  | Solid Waste Delivery  | \$80                    | CSWS      |
| RICH'S WASTE REMOVAL                          | Solid Waste Delivery  | \$4,426                 | CSWS      |
| SOUTHBRIDGE RECYCLING & CASELLA WASTE<br>MGMT | On Call Msws  | on call                 | CSWS      |
| SPRINGERS SANITATION INC.                     | Solid Waste Delivery  | \$83,559                | CSWS      |
| STEVE YATES                                   | Independent Service Agreement   | (\$5,500)               | CSWS      |
| STONE CONSTRUCTION CO. INC.                   | Solid Waste Delivery  | No revenue yet          | CSWS      |
| TEAM TRASH REMOVAL                            | Solid Waste Delivery  | \$2,051                 | CSWS      |
| TIDY SERVICES LLC                             | Solid Waste Delivery  | No revenue yet          | CSWS      |
| TOWN OF EAST HARTFORD                         | Tier 4 Solid Waste  | No revenue yet          | CSWS      |
| TOWN OF LITCHFIELD                            | Tier 1 Solid Waste  | \$78,863                | CSWS      |
| TOWN OF MANCHESTER                            | Tier 2 Solid Waste  | \$227,604               | CSWS      |
| TRASH AWAY INC                                | Solid Waste Delivery  | No revenue yet          | CSWS      |
| TRASH MASTER                                  | Solid Waste Delivery  | \$247                   | CSWS      |
| TRC ENVIRONMENTAL                             | Odor Monitoring Task  | (\$30,000)              | CSWS      |

| Name                                  | Type of Contract   | Revenues<br>( Expenses) | Project                |
|---------------------------------------|--|-------------------------|------------------------|
| TRC ENVIRONMENTAL                     | Air Emissions Testing At The Csws Pbf  | (\$70,000)              | CSWS                   |
| USDA WILDLIFE SVS                     | Cooperative Service Agreement  | No revenue yet          | CSWS                   |
| VALLEY SHORE WASTE AND RECYCLING      | Solid Waste Delivery   | \$4,228                 | CSWS                   |
| WASTE MATERIAL TRUCKING               | Solid Waste Delivery   | \$6,428                 | CSWS                   |
| WELSH SANITATION                      | Solid Waste Delivery   | \$4,281                 | CSWS                   |
| WINDSOR SANITATION INC.               | Solid Waste Delivery   | \$375,623               | CSWS                   |
| WINTER BROTHERS HAULING               | Solid Waste Delivery   | \$238,209               | CSWS                   |
| CITY OF HARTFORD                      | Site Access Agreement  | no cost                 | LANDFILL               |
| CITY OF HARTFORD                      | Solar Power Agreement  | No revenue yet          | LANDFILL               |
| COHN BIRNBAUM & SHEA                  | South Meadow Strategy  | (\$45,000)              | MidCT                  |
| HALLORAN & SAGE                       | Legal Services   | (\$75,000)              | MidCT                  |
| HALLORAN & SAGE                       | Legal Services   | (\$75,000)              | MidCT                  |
| KAINEN, ESCALERA                      | Legal Services   | (\$100,000)             | MidCT                  |
| HALLORAN & SAGE                       | Legal Services   | (\$10,000)              | Property Division      |
| HALLORAN & SAGE                       | Legal Services   | (\$20,000)              | Southeast              |
| PULLMAN & COMLEY                      | Legal Services   | (\$30,000)              | Southeast              |
| PROJECT MANAGEMENT ASSOCIATES         | Agreement for Consulting, Engineering and Land Surveyin                          | (\$9,395)               | CSWS                   |
| TOWN OF EAST HARTFORD                 | Tier 4 Municipal Solid Waste Management Agreement                                | (\$166,992)             | CSWS                   |
| FUSS ONEILL, INC                      | Greater Hartford Flood Commission for Subordination                              | (\$5,000)               | CSWS                   |
| CITY OF HARTFORD                      | Settlement Agreement   | (\$549,685)             | Landfill               |
| ELECTRICAL ENERGY SYSTEMS CORPORATION | Agreement for Medium Voltage Interconnection                                     | (\$387,029)             | Landfill               |
| 100-200 CORPORATE PLACE, LLC          | Office Lease for 200 Corporate Place, Rocky Hill, CT-<br>Term of lease 88 months | (\$1,283,483)           | Authority              |
| ALTERNATIVE RESOURCES, INC.           | Economic Advisory & Consulting Services  | On call                 | Authority              |
| CT ECONOMIC RESOURCE CENTER           | Economic Advisory & Consulting Services  | On call                 | Authority              |
| ENVIRONMENTAL CAPITAL, LLC            | Economic Advisory & Consulting Services  | On call                 | Authority              |
| GERSHMAN, BRICKNER & BRATTON, INC.    | Economic Advisory & Consulting Services  | On call                 | Authority              |
| HDR ENGINEERING, INC.                 | Economic Advisory & Consulting Services  | On call                 | Authority              |
| HRP ASSOCIATES, INC.                  | Engineering Services Agreement   | (\$8,980)               | Authority              |
| MELANIE MCMILLAN                      | Personal Service Agreement   | On call                 | Authority              |
| NORTHEAST RECYCLING COUNCIL           | Personal Service Agreement   | On call                 | Authority              |
| PAUL NONNENMACHER                     | Personal Service Agreement   | (\$2,000)               | Authority              |
| OFFICE OF THE STATE COMPTROLLER       | Memorandum of Understanding  | No Amount               | All Projects/Divisions |
| DAYMARK ENERGY ADVISORS               | Electric Power Marketing Professional Services                                   | (\$13,244)              | CSWS                   |
| HDR ENGINEERING                       | General Engineering, Environmental Consulting                                    | (\$10,564)              | CSWS                   |
| ALGONQUIN GAS TRANSMISSION            | Waterbury Landfill Lease Agreement   | \$33,120                | Landfill Division      |
| ELECTRICAL ENERGY SYSTEMS CORPORATION | Medium Voltage Interconnection from Mira to Hftd DPW                             | (\$391,784)             | Landfill Division      |
| GREENSKIES RENEWABLE                  | Access and Use Option Agreement-217 Sadds Mill Road                              | \$1,000/monthly         | Landfill Division      |
| GREENSKIES RENEWABLE                  | Access and Use Ooption Agreement-Waterbury Landfill                              | \$1,000/monthly         | Landfill Division      |
| LEND LEASE ENERGY                     | Access and Use Option Agreement-Wallingford                                      | \$5,200                 | Landfill Division      |
| MIRA, CL&P, CITY OF HARTFORD          | Process Generator Interconnection Agreement                                      | On call                 | Landfill Division      |
| KAINEN, ESCALERA & MCHALE             | Legal Services for MDC Arbitration   | (\$100,000)             | MidCT                  |
| MR. VALUATION CONSULTING              | Real Estate Services Agreement   | (\$26,820)              | 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.

**STATUS OF OUTSTANDING BONDS ISSUED AS OF JUNE 30, 2016**

| <b>PROJECT / Series</b>                                     | <b>Moody's<br/>Rating</b> | <b>Standard<br/>&amp; Poor's<br/>Rating</b> | <b>X=<br/>SCR-F-<br/>Backed<sup>1</sup></b> | <b>Dated</b> | <b>Maturity<br/>Date</b> | <b>Original<br/>Principal<br/>(\$000)</b> | <b>Principal<br/>Outstanding<br/>(\$000)</b> | <b>On<br/>Authority's<br/>Books<br/>(\$000)</b> |
|---|---------------------------|---|---|--------------|--------------------------|---|--|---|
| <b>SOUTHEAST PROJECT</b>                                    |                           |   |   |              |                          |   |  |   |
| 2010 Series A - Project Refunding <sup>2</sup>              | Aa3                       | AA  | X   | 12/02/10     | 11/15/15                 | 27,750                                    | 0  | -   |
| <b>CORPORATE CREDIT REVENUE BONDS</b>                       |                           |   |   |              |                          |   |  |   |
| 1992 Series A - Corporate Credit                            | Ba1                       | NR  | --  | 09/01/92     | 11/15/22                 | 30,000                                    | 30,000                                       | -   |
| 2001 Series A - Covanta Southeastern Connecticut Company-I  | Ba1                       | NR  | --  | 11/15/01     | 11/15/15                 | 6,750                                     | 0  | -   |
| 2001 Series A - Covanta Southeastern Connecticut Company-II | Ba1                       | NR  | --  | 11/15/01     | 11/15/15                 | 6,750                                     | 0  | -   |
| <b>TOTAL PRINCIPAL BONDS OUTSTANDING</b>                    |                           |   |   |              |                          |   | <u>30,000</u>                                | <u>-</u>  |

<sup>1</sup> SCR-F = Special Capital Reserve Fund of the State of Connecticut.

<sup>2</sup> The 2010 Series A Bonds refunded the 1998 Series A Bonds originally issued in the amount of \$87,650,000 on August 18, 1998.

NR = Not Rated

Note: As of June 30, 2016, the Southeast Project had \$30 million of total outstanding debt that is not carried on the Authority's books. This includes only the 1992 Series A Corporate Credit Revenue Bonds. During fiscal year 2016, the Authority's Resource Recovery Revenue Refunding Bonds (Covanta Southeastern Connecticut Company Project - 2010 Series A) supported by a Special Capital Reserve Fund (SCR-F) with the State, matured and were fully paid, as were two additional series of Corporate Credit Revenue Bonds. With maturity of the 2010 Series A Refunding Bonds, there is no longer any contingent liability of the State via a SCR-F associated with the Authority.

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

| <b>Facility</b> | <b>Tons Received for<br/>the Year Ending<br/>6/30/16</b> | <b>Tons Processed for<br/>the Year Ending<br/>6/30/16</b> |
|-----------------|--|---|
| CSWS            | 651,508  | 631,450   |
| Southeast       | 141,147  | 140,570   |

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

| <b>Project / Division</b> | <b>Adopted FY 2016<br/>Budget (\$000)</b> |
|---------------------------|---|
| CSWS                      | 3,272                                     |
| Mid-Connecticut Project   | 407                                       |
| Property Division         | 714                                       |
| Southeast Project         | 396                                       |
| Landfill Division         | 41  |
| Total                     | 4,830                                     |

Note: On November 15, 2015 the Southeast Projects Series A Refunding Bonds dated December 1, 2010 matured and were fully paid.

On 12/15/15 ownership of Southeast Project Resource Recovery Facility transferred to Covanta.

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

|                                  | Revenues received for the<br>Fiscal Year Ending 6/30/16<br>(\$000) <sup>(1)</sup> | Redistribution for the Fiscal<br>Year Ending 6/30/16 (\$000) |
|----------------------------------|---|--|
| CSWS                             | \$ 56,911   | \$ -   |
| Landfill Division                | \$ 273  | \$ -   |
| Mid-Connecticut Project          | \$ 22   | \$ -   |
| Property Division                | \$ 8,420  | \$ 181 <sup>(2)</sup>  |
| Southeast Project <sup>(4)</sup> | \$ 17,810   | \$ 5,875 <sup>(3)</sup>                                      |

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

<sup>(2)</sup> Distribution to former Bridgeport and Wallingford towns.

<sup>(3)</sup> Distribution of funds to SCRRA after the Southeast bonds matured.

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

*The tiered rates for FY16 are as follows:*

*Tier 1 short-term \$64.00*

*Tier 1 long-term \$62.00*

*Tier 2 \$66.00*

*Tier 23 \$62.00*

*Tier 4 \$65.00*

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

<sup>(4)</sup> Pursuant to the transfer of financial control of MIRA's Southeast Project to SCRRA, the Authority recognized Southeast Project electricity sales revenue through September 2015 and Southeast Project waste delivered tons and delivery revenue through October 2015. The Authority used these funds for payment of project expenses through November 30, 2015.

A map and listing showing the location of all facilities owned or leased by the Authority:



# MIRA Connecticut Solid Waste Operations

## MIRA Connecticut Solid Waste System

Trash-to-energy plant, recyclables processing facility and MIRA Trash Museum in Hartford

Transfer stations in Essex, Ellington (closed), Torrington and Watertown

Durham, Litchfield, Manchester, Middlefield, Naugatuck, Salisbury, Sharon, Simsbury and South Windsor deliver trash but not recyclables. Residents may participate in MIRA electronics-recycling and paper-shredding events.

Tier 1 long-term with recycling without recycling

Tier 1 short-term with recycling without recycling



## MIRA Southeast Project

Trash-to-energy plant in Preston



On November 15, 2015 the Southeast Projects Series A Refunding Bonds dated December 1, 2010 matured and were fully paid.



| <b>MIRA Owned Property</b>                  |             |       |       |
|---|-------------|-------|-------|
| Street Address                              | City        | State | Zip   |
| 6 Howard Avenue                             | Bridgeport  | CT    | 06604 |
| 171 Murphy Road                             | Hartford    | CT    | 06114 |
| 211 Murphy Road                             | Hartford    | CT    | 06114 |
| 300 Maxxim Road                             | Hartford    | CT    | 06114 |
| 1 Reserve Road                              | Hartford    | CT    | 06114 |
| 1 Reserve Road                              | Hartford    | CT    | 06114 |
| Visita Drive                                | Torrington  | CT    | 06790 |
| Echo Lake Road                              | Watertown   | CT    | 06795 |
| 1410 Honeyspot Road Extension               | Stratford   | CT    | 06615 |
| 140/217 Sadds Mill Road                     | Ellington   | CT    | 06029 |
| 866 River Road (Route 110)                  | Shelton     | CT    | 06484 |
| 109 Nichols Drive                           | Waterbury   | CT    | 06708 |
| Pent Road                                   | Wallingford | CT    | 06492 |
|   |             |       |       |
| <b>MIRA Leased Property</b>                 |             |       |       |
| Street Address                              | City        | State | Zip   |
| Town Dump Road                              | Essex       | CT    | 06442 |
| 200 Corporate place                         | Rocky Hill  | CT    | 6067  |
|   |             |       |       |
| <b>MIRA Property with access agreements</b> |             |       |       |
| Street Address                              | City        | State | Zip   |
| 189 Leibert Road                            | Hartford    | CT    | 06120 |
|   |             |       |       |

Property Use  
Land is leased to Wheelabrator  
Adjacent to CSWS Recycling Center  
Recycling Center and Trash Museum  
WPF Facility  
PBF Facility  
Jets Facility  
Torrington Transfer Station  
Watertown Transfer Station  
Recycling Center and Garbage Museum  
Ellington Landfill and Transfer Station  
Shelton Landfill  
Waterbury Landfill  
Adjacent to the Wallingford Landfill

MIRA owns land only  
Constitutes the CSWS Waste-to-Energy Facility  
Closed July 1, 2013  
Closed 1993/ January 2013  
Closed 1998  
Closed November, 2009

Property Use  
Essex Transfer Station  
Office Space  
Property Use  
Hartford Landfill  
See note (A) below  
See note(B) below  
See note(C) below  
See note(D) below

Property Use  
Essex Transfer Station  
Office Space

Property Use  
Essex Transfer Station  
Office Space

Property Use  
Hartford Landfill  
Stopped Operating 12/2008  
Hartford Landfill  
See note(E) below

(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 (11.8 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)  
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.

Owned by City of Hartford