

Materials Innovation and Recycling Authority

100 Constitution Plaza

Hartford, Connecticut 06103

Telephone (860)757-7700 - Fax (860)757-7743

Materials Innovation and Recycling Authority

Regular Board of Directors

Supplemental Information

March 24, 2016

I. Finance

Informational Reports (Period ending Jan. 31, 2016) (Attachment A).

CSWS Financials	MIRA Cash Flow
CSWS Electricity	CSWS Improvement Fund
CSWS Solid Waste Summary	Southeast Project
CSWS Recycling Summaries	Authority Budget
Property Division Financials	

II. Summary of Project Activities

1. An update is provided on each project's monthly operations for the period ending Feb. 29, 2016 (Attachment B).
2. An update is provided on waste deliveries to all the projects for the period ending Feb. 29, 2016 (Attachment C).

III. Communications

1. Legal Expenditure Report FY'15 (Attachment D).
2. Jan./Feb. 2016 Education Center Report (Attachment E).

TAB A

TAB B

MATERIALS INNOVATION AND RECYCLING AUTHORITY

February 2016 Monthly Operational Summary

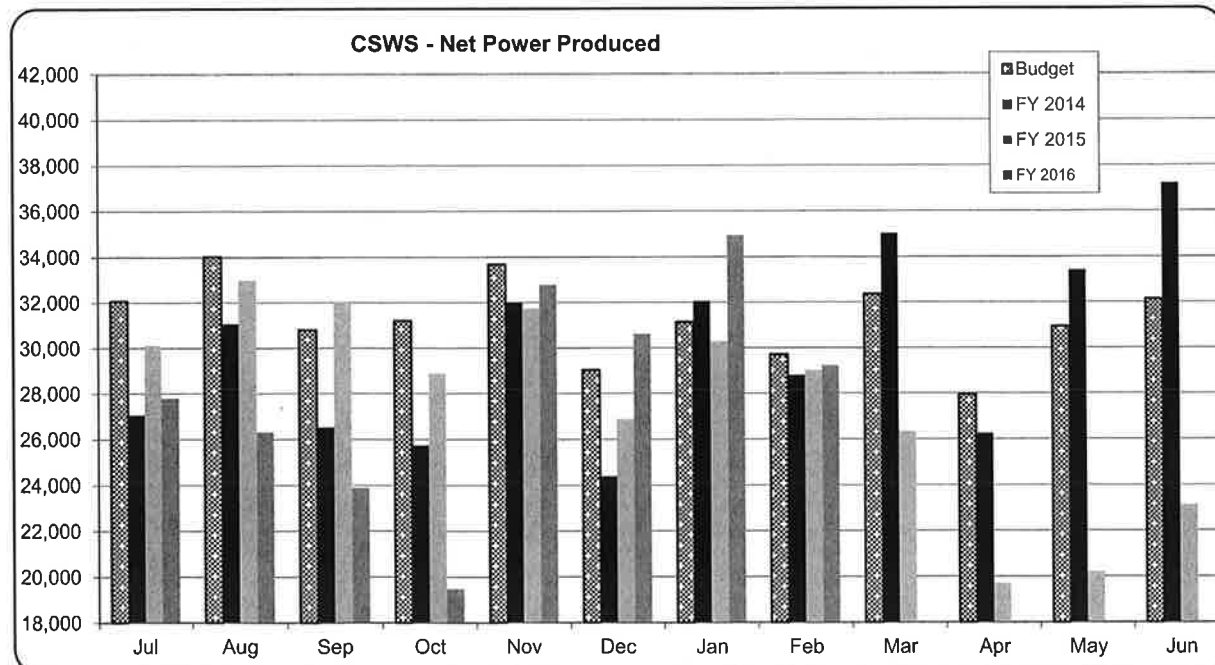
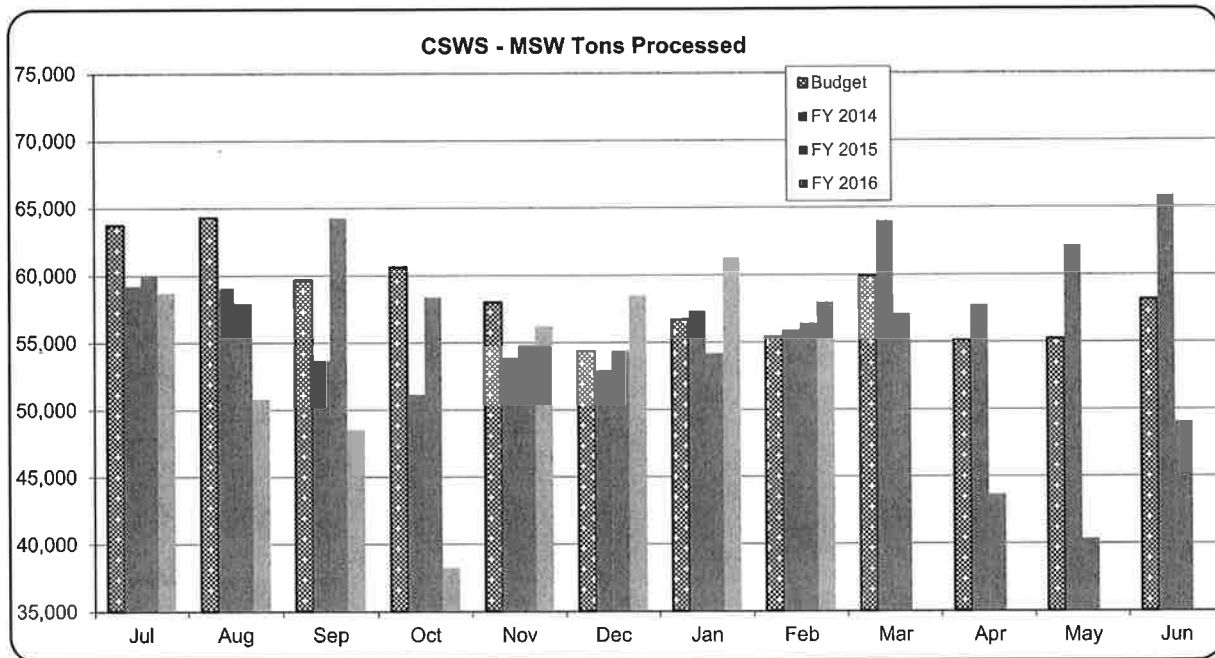
This report provides information on the operations of the two waste-to energy projects for the period ending February 29, 2016. Attached are individual, detailed reports on each of the two projects. The following table provides a summary of key operating parameters for each of the projects and the South Meadow Station's jet turbines.

Project/ Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Change	2015	2016	Change	Feb 15	Feb 16	Change
CSWS									
Tons MSW Processed	692,809	650,642	(6.1%)	460,466	430,270	(6.6%)	56,410	57,959	2.7%
Steam (klbs)	4,357,895	4,125,108	(5.3%)	2,984,177	2,828,763	(5.2%)	349,637	366,125	4.7%
(% MCR)	71.8%	68.0%		73.8%	69.7%		75.1%	75.9%	
Power Net MWhr)	359,579	331,356	(7.8%)	241,977	225,078	(7.0%)	29,016	29,238	0.8%
Southeast									
Tons MSW Processed	262,761	261,748	(0.4%)	168,974	180,664	6.9%	20,110	15,955	(20.7%)
Steam (klbs)	1,546,830	1,605,649	3.8%	957,791	996,061	4.0%	111,751	84,928	(24.0%)
(% MCR)	96.3%	99.9%		89.5%	93.1%		90.7%	68.9%	
Power Net MWhr)	132,757	124,778	(6.0%)	78,848	87,946	11.5%	7,977	7,094	(11.1%)
South Meadow Jets									
Net MWH	3,706	1,837	(50.4%)	1,052	1,515	44.0%	0	0	-

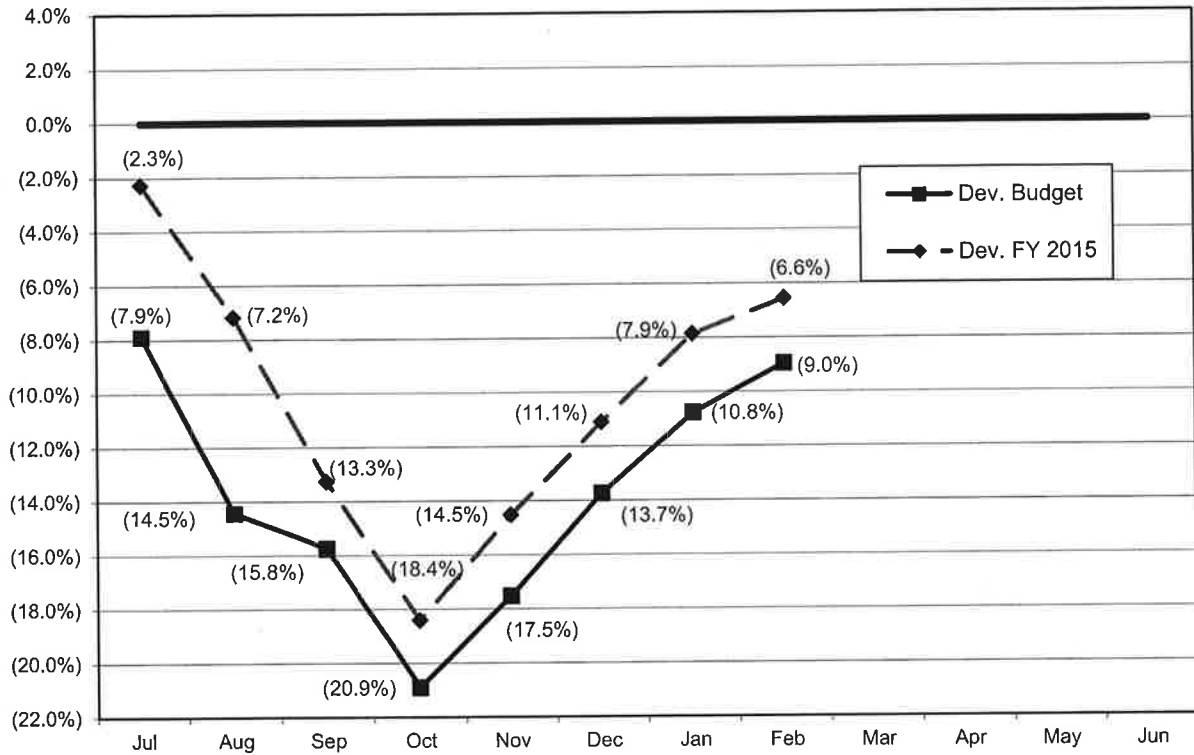
CSWS

February 2016 Monthly Operational Summary

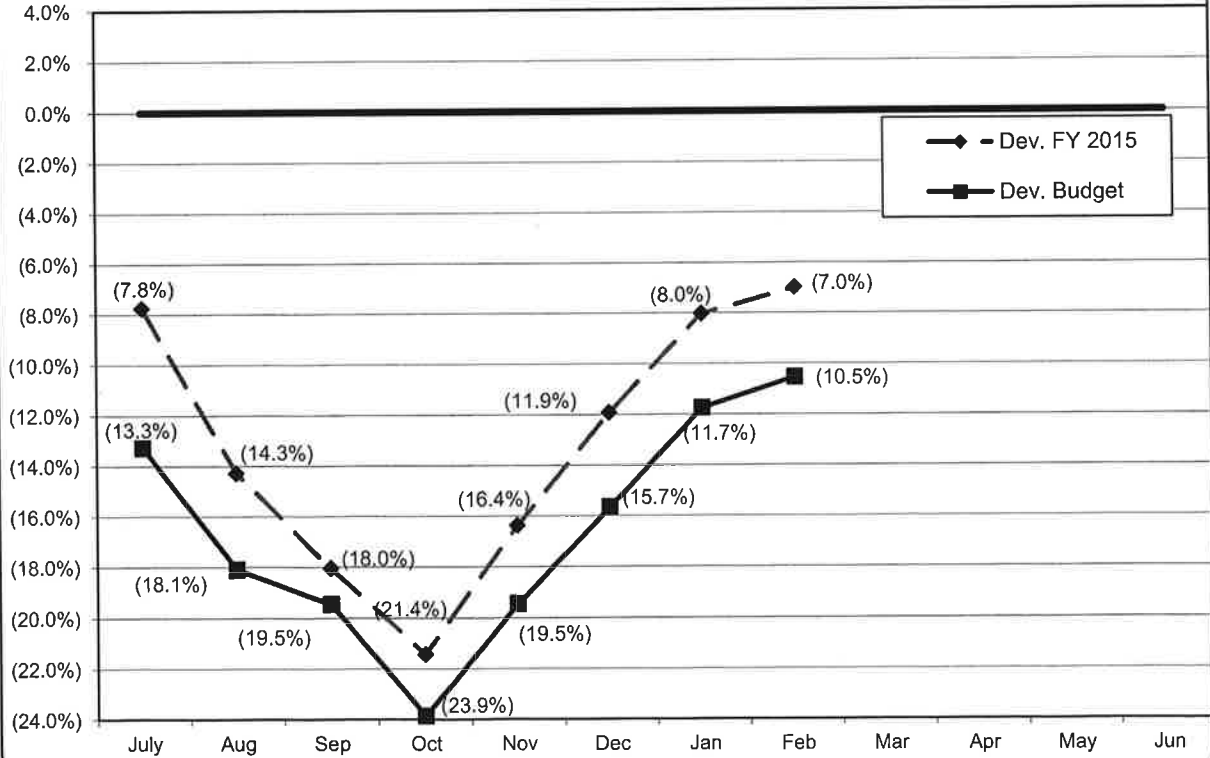
Item	Fiscal Year-To-Date			Monthly		
	2015	2016	Change	Feb 15	Feb 16	Change
Tons MSW Processed	460,466	430,270	(6.6%)	56,410	57,959	2.7%
Steam (klbs)	2,984,177	2,828,763	(5.2%)	349,637	366,125	4.7%
(% MCR)	73.8%	69.7%		75.1%	75.9%	
Power Net MWhr)	241,977	225,078	(7.0%)	29,016	29,238	0.8%



CSWS - Tons Processed - Deviation from Budget and Prior Year



Power Sold - Deviation from Budget and Prior Year



Unit Capacity Factors

Month	Boiler 11	Boiler 12	Boiler 13
Jul 15	70%	74%	62%
Aug 15	71%	71%	57%
Sep 15	66%	68%	54%
Oct 15	83%	51%	15%
Nov 15	73%	73%	92%
Dec 15	75%	59%	83%
Jan 16	77%	84%	89%
Feb 16	72%	76%	80%
Mar 16			
Apr 16			
May 16			
Jun 16			

Unscheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
07/02/15	07/05/15	13	79.27	Grate chain repair, Superheater leak
07/10/15	07/11/15	12	26.97	Air heater fouled
07/17/15	07/19/15	13	40.06	Clinker jam on grate
07/19/15	07/22/15	13	75.31	Superheater and Waterwall leak
07/22/15	07/23/15	13	15.64	Failed gasket on blow down tank
07/24/15	07/24/15	13	7.38	Only one turbine on-line
07/24/15	07/24/15	12	9.65	Only one turbine on-line
07/29/15	07/31/15	12	38.95	Clinker jam on grate
07/30/15	07/30/15	13	7.80	Fuel cut out relay failed
08/07/15	08/09/15	13	58.55	Plugged distribution spout, tube leak
08/11/15	08/14/15	12	72.04	Broken grate chain
08/15/15	08/17/15	13	70.83	Tube leak
08/21/15	08/25/15	13	84.15	Tube leak
08/31/15	08/31/15	11	24.00	Screw repair and tube leak
09/01/15	09/03/15	11	50.83	Screw repair and tube leak
09/02/15	09/05/15	13	68.05	Tube leak
09/13/15	09/16/15	13	71.18	Tube leak
09/20/15	09/23/15	13	79.06	Tube leak
09/21/15	09/22/15	11	29.07	Tube leak
09/21/15	09/22/15	12	44.73	Tube leak
10/04/15	10/08/15	13	96.36	Tube leak
10/05/15	10/06/15	12	33.97	Tube leak
10/11/15	10/12/15	13	46.94	Tube leak
10/13/15	10/14/15	11	26.43	Tube leak
10/19/15	10/30/15	12	264.60	ID Fan failure
10/28/15	10/31/15	13	96.00	Scheduled outage, air heater overall not complete
11/01/15	11/03/15	13	48.21	Scheduled outage, air heater overall not complete
11/02/15	11/03/15	11	43.95	SSC derail
11/13/15	11/14/15	11	23.58	Airheater plug clean
12/03/15	12/03/15	11	3.48	WPF lost control power to RDF feed
12/03/15	12/03/15	13	8.93	WPF lost control power to RDF feed, ID fan would not restart
12/09/15	12/09/15	11	16.05	Bottom ash failure/PLC hung up overloading SSC
01/13/16	01/14/16	13	30.05	Pollution control system atomizer OOC
01/17/16	01/18/16	12	17.00	Large clinker
01/18/16	01/19/16	13	24.04	Instrument air system fault

Unscheduled Downtime Continued

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
02/05/16	02/09/16	13	83.34	Scrubber pluggage
02/07/16	02/07/16	12	0.39	FD Fan trip
02/15/16	02/16/16	13	7.83	Low Drum Relay
02/18/16	02/20/16	11	62.17	Waterwall leak
02/26/16	02/28/16	11	35.97	Superheater and Waterwall leak

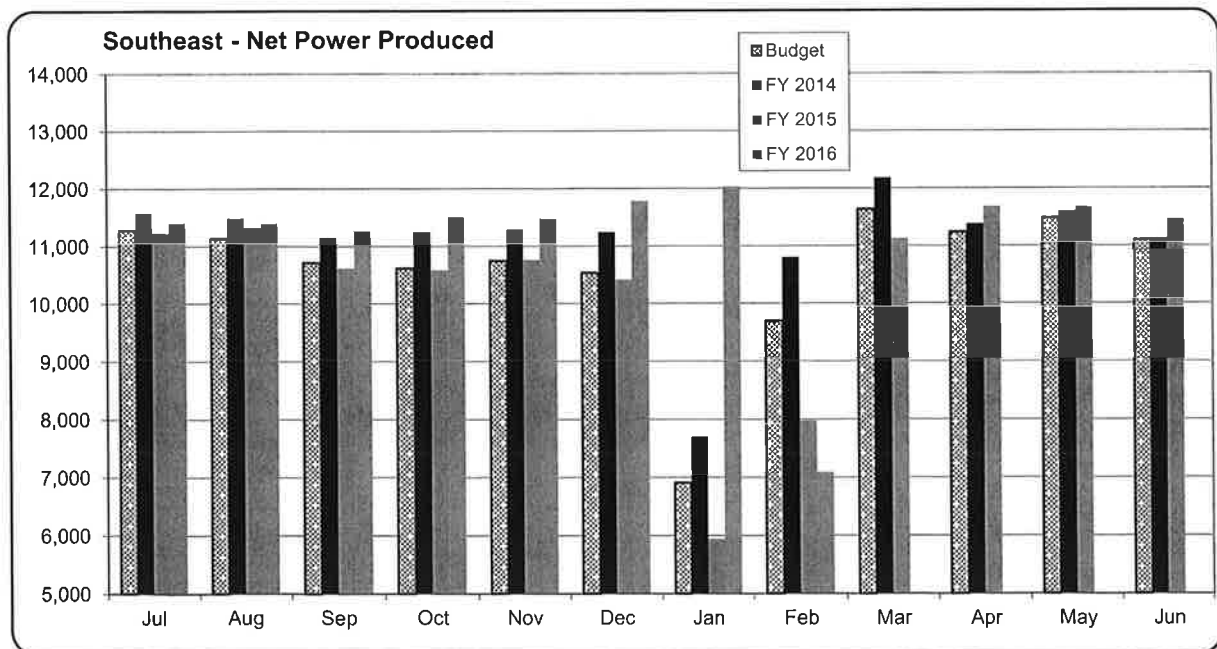
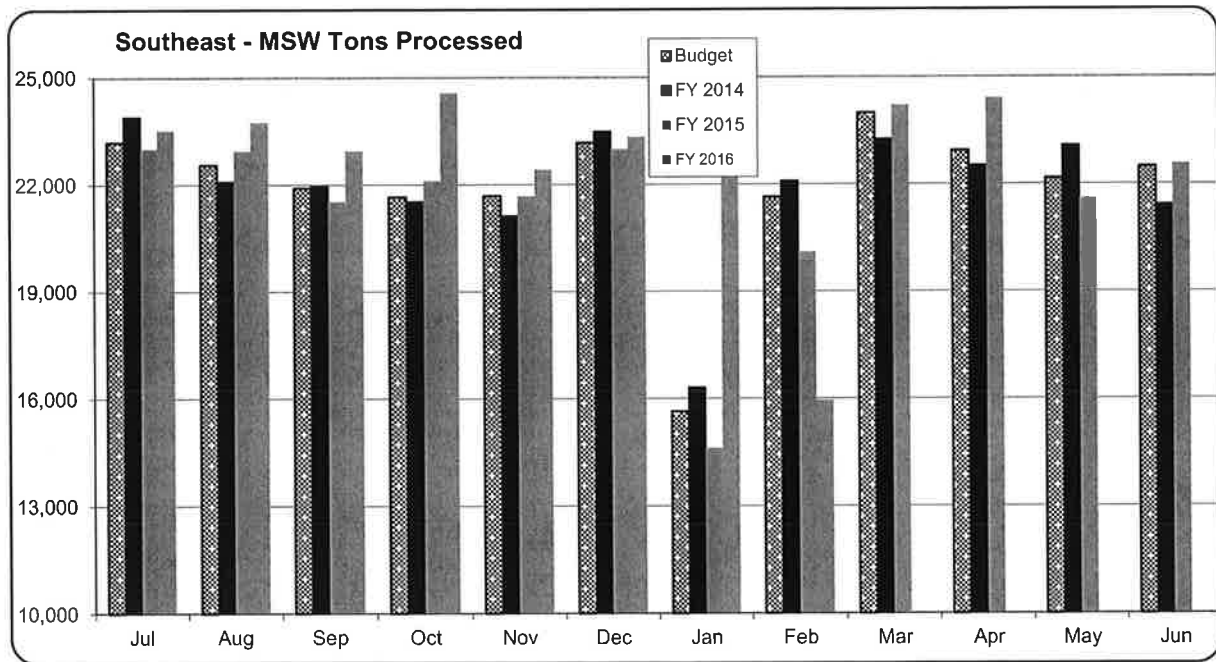
Scheduled Downtime

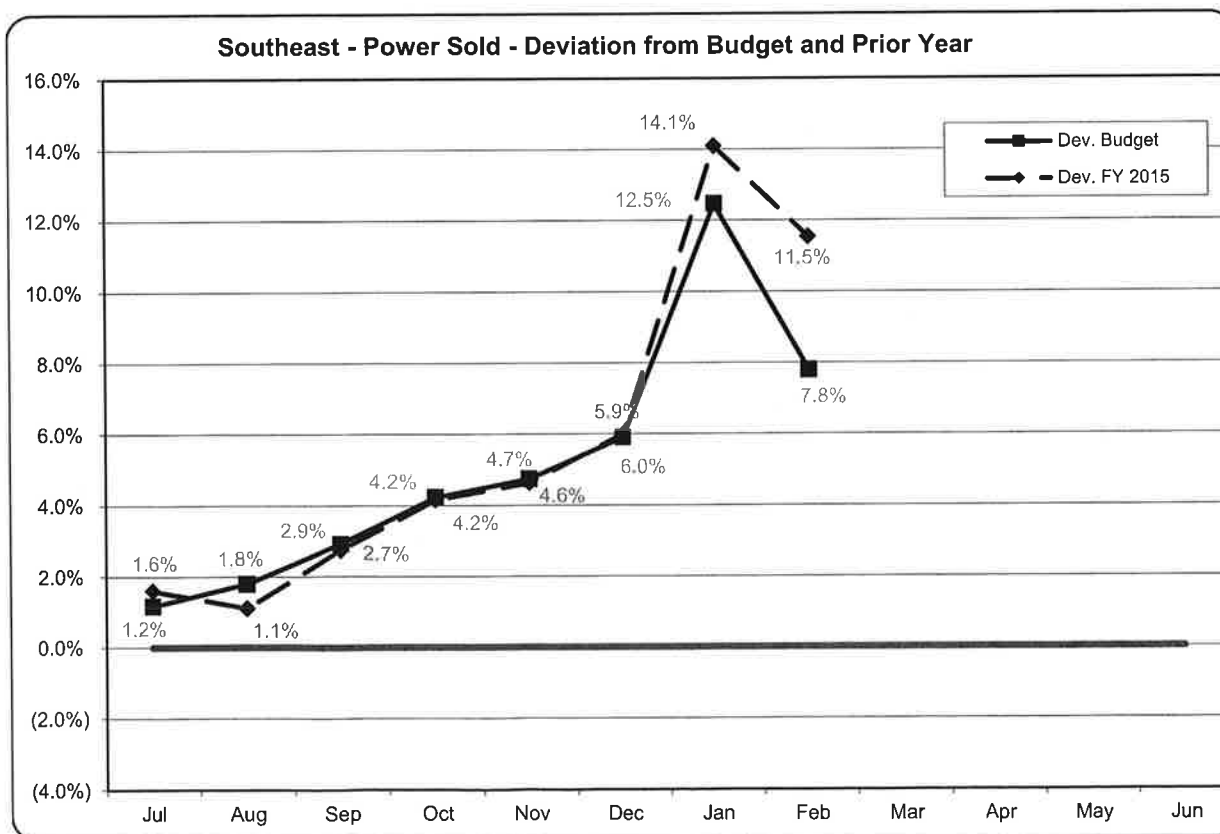
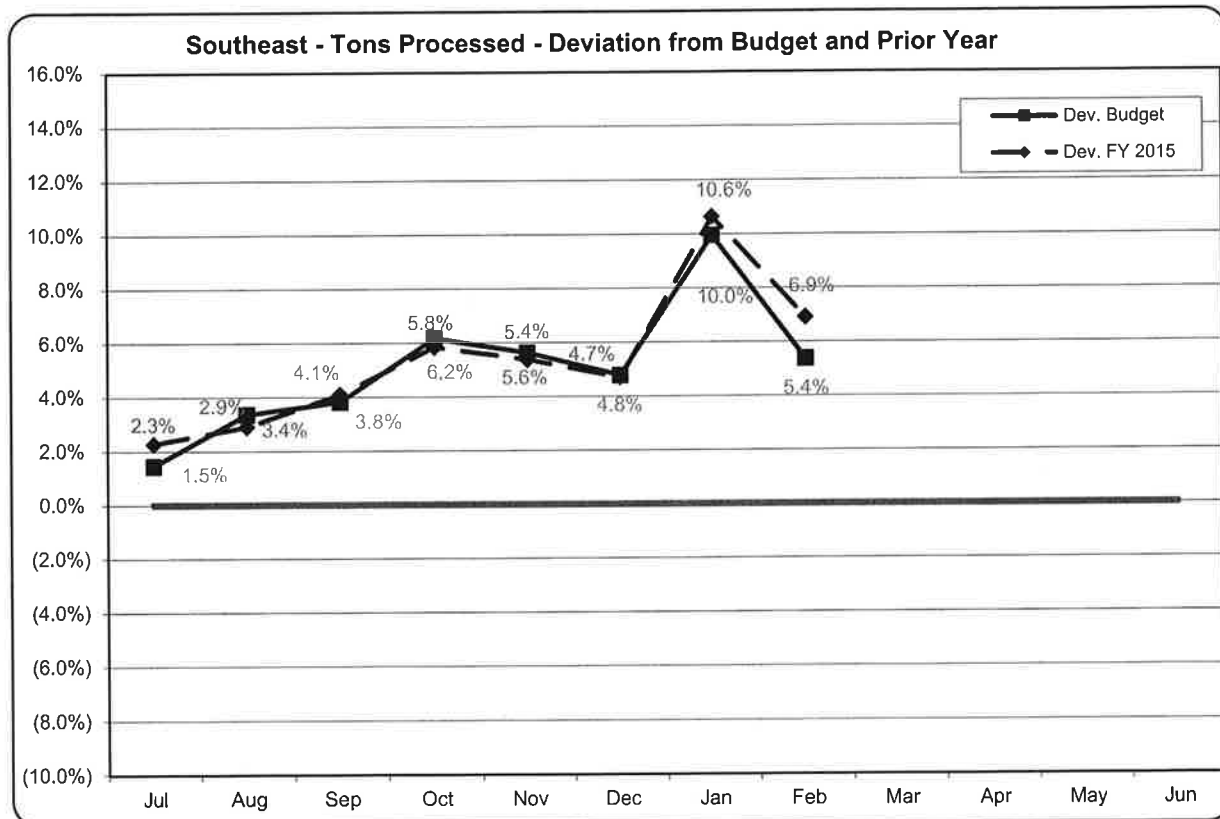
Date Began	Date Ended	Boiler	Duration (Hrs.)	Work Performed
07/13/15	07/16/15	11	71.67	Cleaning outage
08/10/15	08/13/15	13	78.38	Cleaning outage
09/13/15	09/17/15	12	62.17	Cleaning outage
09/28/15	09/30/15	11	68.96	Cleaning outage
10/01/15	10/01/15	11	2.75	Cleaning outage
10/13/15	10/27/15	13	360.00	Cleaning outage
12/01/15	12/12/15	12	264.15	Cleaning outage
01/07/16	01/10/16	11	95.80	Cleaning outage

SOUTHEAST (PRESTON) PROJECT

February 2016 Monthly Operational Summary

Item	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Change	2015	2016	Change	Feb 15	Feb 16	Change
Tons MSW Processed	262,761	261,748	(0.4%)	168,974	180,664	6.9%	20,110	15,955	(20.7%)
Steam (klbs)	1,546,830	1,605,649	3.8%	957,791	996,061	4.0%	111,751	84,928	(24.0%)
(% MCR)	96.3%	99.9%		89.5%	93.1%		90.7%	68.9%	
Power Net MWhr)	132,757	124,778	(6.0%)	78,848	87,946	11.5%	7,977	7,094	(11.1%)





Unit Capacity Factors

Month	Boiler 1	Boiler 2
Jul 15	98%	100%
Aug 15	103%	96%
Sep 15	101%	101%
Oct 15	100%	98%
Nov 15	95%	103%
Dec 15	96%	101%
Jan 16	56%	101%
Feb 16	65%	68%
Mar 16		
Apr 16		
May 16		
Jun 16		

Unscheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Reason
07/22/15	07/22/15	2	1.23	Deslag
07/28/15	07/29/15	1	32.73	Superheater failure
07/31/15	07/31/15	2	7.23	Feed chute repair
08/10/15	08/11/15	2	41.35	Tube Leak
09/04/15	09/04/15	1	6.20	Ash extractor jam
09/21/15	09/21/15	1	2.77	Deslag
09/25/15	09/25/15	2	3.50	Deslag
09/29/15	09/29/15	2	0.67	Deslag
10/11/15	10/11/15	1	1.25	Deslag
10/17/15	10/17/15	2	1.10	Deslag
10/19/15	10/21/15	2	32.60	ID Fan bearing failure and tube leak
10/24/15	10/24/15	1	15.27	ID Fan bearing failure
11/03/15	11/03/15	1	1.45	Deslag
11/04/15	11/06/15	1	52.08	Tube Leak
11/09/15	11/09/15	2	1.13	Deslag
11/19/15	11/19/15	2	1.20	Deslag
12/05/15	12/05/15	1	1.37	Deslag
12/09/15	12/09/15	2	3.28	Deslag
12/21/15	12/22/15	1	43.28	Tube Leak
01/08/16	01/09/16	2	3.37	Deslag
02/03/16	02/03/16	2	1.50	Deslag
02/16/16	02/16/16	1	1.98	ID Fan Trip

Scheduled Downtime

Date Began	Date Ended	Boiler	Duration (Hrs.)	Work Performed
02/03/16	02/13/16	1	245.04	Cleaning outage
02/09/16	02/17/16	2	201.60	Cleaning outage

SOUTH MEADOWS JETS
February 2016 Monthly Operational Summary

Date	Net Generation (MWH)	Comment
07/20/15	6.16	Summer CCA testing
07/28/15	106.25	Summer CCA testing
07/29/15	50.33	Summer CCA testing
08/06/15	150.23	Dispatched by ISO-NE
08/15/15	45.78	Dispatched by ISO-NE
08/24/15	31.82	Dispatched by ISO-NE
09/04/15	127.33	Dispatched by ISO-NE
09/07/15	121.01	Dispatched by ISO-NE
09/08/15	97.03	Dispatched by ISO-NE
09/09/15	257.99	Dispatched by ISO-NE
09/17/15	42.75	Dispatched by ISO-NE
10/08/15	47.79	Dispatched by ISO-NE
11/10/15	45.97	Dispatched by ISO-NE
11/11/15	121.22	Dispatched by ISO-NE
12/29/15	56.34	Dispatched by ISO-NE

TAB C

MATERIALS INNOVATION AND RECYCLING AUTHORITY

February 2016 Monthly Customer MSW and Recyclables Deliveries

This report provides information on deliveries of materials for the three MIRA projects/divisions for the period ending February 29, 2016. Attached are individual, detailed reports on each of the projects/divisions. The following table provides a summary of materials deliveries to each project/division.

Monthly Customer Delivery Report

Project/Contract	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
CSWS MSW									
Tier 1	349,915	337,844	(3%)	228,937	230,268	1%	22,263	25,540	15%
Tier 2, 3 & 4	28,259	40,371	43%	10,092	10,315	2%	967	2,112	118%
Hauler Contract	256,371	255,136	(0%)	186,123	164,939	(11%)	20,881	25,217	21%
Contract	4,367	5,531	27%	3,674	4,014	9%	343	543	58%
In-State Spot	47,794	24,533	(49%)	21,187	11,937	(44%)	8,907	7,903	(11%)
Out-of-State Spot	1,506	1,669	11%	1,288	37	(97%)	965	0	(100%)
MSW TOTAL	688,212	665,084	(3%)	451,302	421,511	(7%)	54,326	61,315	13%
CSWS Recyclables									
Tier 1	41,805	43,193	3%	28,570	29,969	5%	2,732	3,334	22%
Tier 3 & 4	442	561	27%	371	405	9%	39	304	682%
Hauler Contract	11,881	8,033	(32%)	5,159	6,584	28%	504	741	47%
Contractor Sourced	8,441	12,506	48%	8,304	9,661	16%	701	1,050	50%
In-State Spot	823	0	(100%)	0	0	-	0	0	-
Out-of-State Spot	822	0	(100%)	0	0	-	0	0	-
RECYC. TOTAL	64,213	64,293	0%	42,404	46,619	10%	3,976	5,429	37%
Southeast MSW									
Member Towns	135,911	129,442	(5%)	84,595	88,730	5%	8,479	9,738	15%
In-State Spot	1,929	9,266	380%	1,254	5,026	301%	129	135	5%
Company Spot	158,214	122,971	(22%)	82,604	86,076	4%	10,004	6,652	(34%)
MSW TOTAL	296,054	261,678	(12%)	168,453	179,832	7%	18,612	16,525	(11%)

Connecticut Solid Waste System
February 2016 Monthly Customer MSW Deliveries
CSWS Tier 1 Participating Municipality MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Avon	11,038	11,120	1%	7,284	7,556	4%	746	859	15%
Beacon Falls	3,233	3,024	(6%)	2,061	1,648	(20%)	190	246	30%
Bethlehem	1,519	1,551	2%	1,032	1,029	(0%)	105	106	1%
Bloomfield	16,497	14,795	(10%)	9,462	10,626	12%	970	1,278	32%
Canaan	468	430	(8%)	283	296	5%	25	31	26%
Canton	4,462	4,481	0%	2,982	3,070	3%	301	315	5%
Clinton	5,365	4,790	(11%)	3,136	3,296	5%	264	416	58%
Colebrook	604	622	3%	424	413	(3%)	31	49	57%
Cornwall	495	493	(0%)	328	342	4%	25	30	18%
Deep River	3,882	3,639	(6%)	2,395	2,405	0%	215	240	12%
Durham/Middlefield	3,611	5,751	59%	3,797	4,061	7%	349	480	38%
East Granby	2,968	3,129	5%	2,014	1,906	(5%)	196	232	18%
East Hampton	6,074	6,122	1%	4,040	3,992	(1%)	378	440	16%
Ellington	5,382	5,253	(2%)	3,466	3,381	(2%)	337	375	11%
Essex	3,756	3,062	(18%)	2,093	2,037	(3%)	176	198	13%
Farmington	15,179	14,329	(6%)	9,563	9,643	1%	996	1,107	11%
Glastonbury	18,980	18,836	(1%)	12,522	12,795	2%	1,233	1,413	15%
Goshen	1,318	1,307	(1%)	871	910	5%	73	92	27%
Granby	5,596	5,413	(3%)	3,764	3,265	(13%)	375	423	13%
Haddam	2,953	3,193	8%	2,055	2,263	10%	207	280	35%
Hartford	88,690	85,433	(4%)	55,755	55,678	(0%)	5,598	6,320	13%
Harwinton	2,015	1,904	(6%)	1,264	1,358	7%	114	135	19%
Killingworth	2,091	1,912	(9%)	1,262	1,284	2%	132	140	6%
Litchfield*	5,396	5,201	(4%)	3,442	3,238	(6%)	298	364	22%
Lyme	760	751	(1%)	501	506	1%	43	54	27%
Marlborough	2,622	2,431	(7%)	1,604	1,551	(3%)	159	194	22%
Middlebury	2,548	2,611	2%	1,849	1,567	(15%)	171	138	(19%)
Naugatuck	15,259	14,993	(2%)	9,936	9,781	(2%)	944	1,128	19%
Norfolk	796	762	(4%)	506	507	0%	44	50	12%
North Canaan	2,412	2,241	(7%)	1,459	1,536	5%	152	188	24%
Old Lyme	3,516	3,275	(7%)	2,187	2,217	1%	170	207	21%
Old Saybrook	9,397	9,744	4%	6,524	6,541	0%	571	690	21%
Oxford	7,384	7,730	5%	5,012	4,813	(4%)	468	278	(41%)
Portland	3,842	3,619	(6%)	2,389	2,380	(0%)	221	231	5%
Rocky Hill	11,981	11,671	(3%)	7,645	7,503	(2%)	763	860	13%
Roxbury	740	710	(4%)	476	479	1%	49	51	5%
RRDD#1	11,366	10,878	(4%)	7,028	7,331	4%	614	759	23%
Salisbury/Sharon	3,231	3,224	(0%)	2,117	2,223	5%	173	228	32%
Simsbury	14,530	14,348	(1%)	9,528	9,149	(4%)	965	948	(2%)
Torrington	24,219	24,005	(1%)	15,757	15,827	0%	1,553	1,821	17%
Watertown	10,609	10,816	2%	7,056	7,372	4%	762	831	9%
Wethersfield	14,032	14,025	(0%)	9,020	9,391	4%	814	980	20%
Woodbury	4,497	4,624	3%	3,049	3,102	2%	293	333	13%
TOTAL TIER 1 PARTICIPATING MUNICIPALITIES	349,915	343,044	(2%)	228,937	230,268	1%	22,263	25,540	15%

*Litchfield became a Tier 1 Municipality 7/1/2015, FY14 & FY15 tonnages reflect Tier 2 deliveries.

CSWS Tier 2 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Litchfield*	5,396	5,201	(4%)						
Manchester	13,002	12,955	(0%)	8,459	8,735	3%	797	948	19%
South Windsor*	7,338	7,267	(1%)						
TOTAL TIER 2 PARTICIPATING MUNICIPALITIES	25,736	25,423	(1%)	8,459	8,735	3%	797	948	19%

*No longer Tier 2 Municipalities, only historical information is provided.

CSWS Tier 3 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Chester	18	19	4%	13	9	(28%)	1	1	36%
Thomaston	2,506	2,462	(2%)	1,620	1,571	(3%)	170	167	(2%)
TOTAL TIER 3 PARTICIPATING MUNICIPALITIES	2,524	2,481	(2%)	1,633	1,581	(3%)	170	168	(1%)

CSWS Tier 4 Participating Municipality MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
East Hartford			-		4,405	-	0	996	-
TOTAL TIER 4 PARTICIPATING MUNICIPALITIES	0	0	-	0	4,405	-	0	996	-

CSWS Non-Processible MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
East Hartford			-		239	-	0	54	-
Farmington	254	484	90%	313	194	(38%)	0	0	-
Hartford	47	48	1%	41	37	(10%)	0	5	-
RRDD#1	127	122	(4%)	78	83	6%	6	6	(6%)
Wethersfield	40	46	14%	29	30	3%	2	3	38%
TOTAL NON-PROCESSIBLE MSW	468	700	49%	461	582	26%	8	67	747%

CSWS MSW Received under Hauler Contract*									
	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
TOTAL HAULER CONTRACT	256,371	255,136	(0%)	186,123	164,939	(11%)	20,881	25,217	21%

*Includes ICW

CSWS Contract Deliveries									
	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
TOTAL CONTRACT TONS	4,367	5,531	27%	3,674	4,014	9%	343	543	58%

CSWS In-State Spot MSW									
Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
TOTAL IN-STATE SPOT	47,794	24,533	(49%)	21,187	11,937	(44%)	8,907	7,903	(11%)

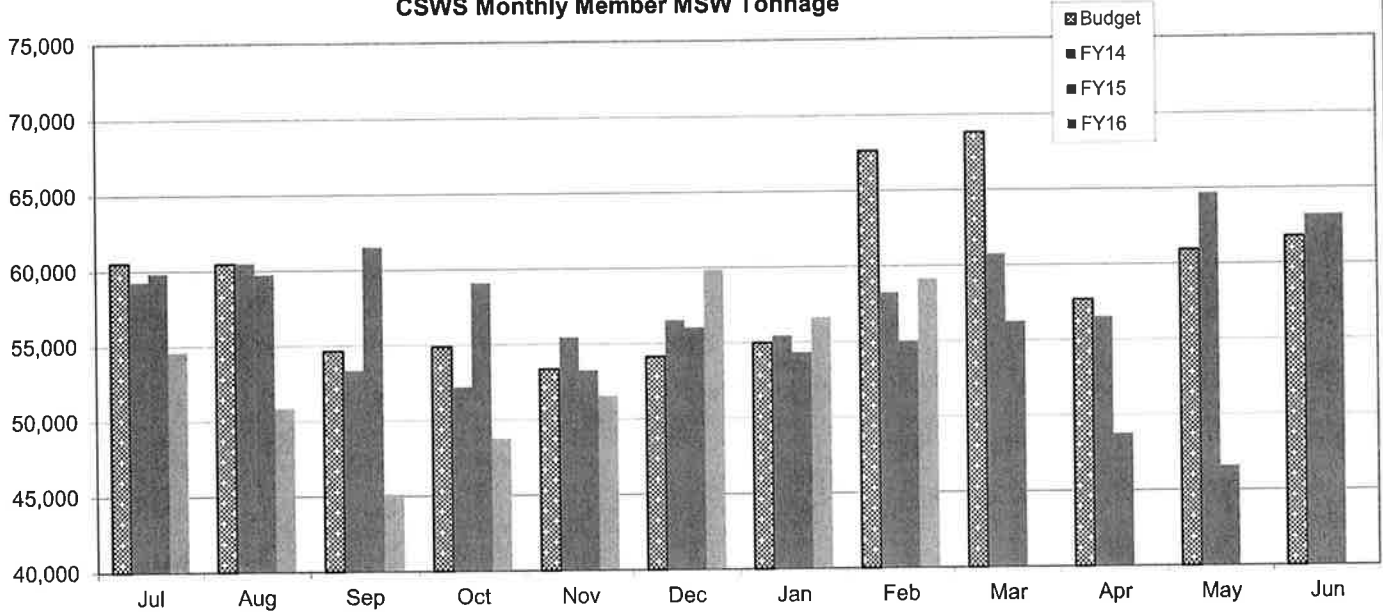
CSWS Out-Of-State Spot MSW									
State	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
TOTAL OUT-OF- STATE SPOT	1,506	1,669	11%	1,288	37	(97%)	965	0	(100%)

CSWS Total MSW Deliveries									
Source	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Tier 1 Contracts	349,915	343,044	(2%)	228,937	230,268	1%	22,263	25,540	15%
Tier 2 Contracts	25,736	25,423	(1%)	8,459	8,735	3%	797	948	19%
Tier 3 Contracts	2,524	2,481	(2%)	1,633	1,581	(3%)	170	168	(1%)
Tier 4 Contracts	0	0	-	0	4,405	-	0	996	-
Non-Processible MSW	468	700	49%	461	582	26%	8	67	747%
Hauler Contracts	256,371	255,136	(0%)	186,123	164,939	(11%)	20,881	25,217	21%
Contract Deliveries	4,367	5,531	27%	3,674	4,014	9%	343	543	58%
In State Spot	47,794	24,533	(49%)	21,187	11,937	(44%)	8,907	7,903	(11%)
Out-of-State Spot	1,506	1,669	11%	1,288	37	(97%)	965	0	(100%)
TOTAL TONNAGE	688,680	658,517	(4%)	451,763	426,498	(6%)	54,334	61,382	13%

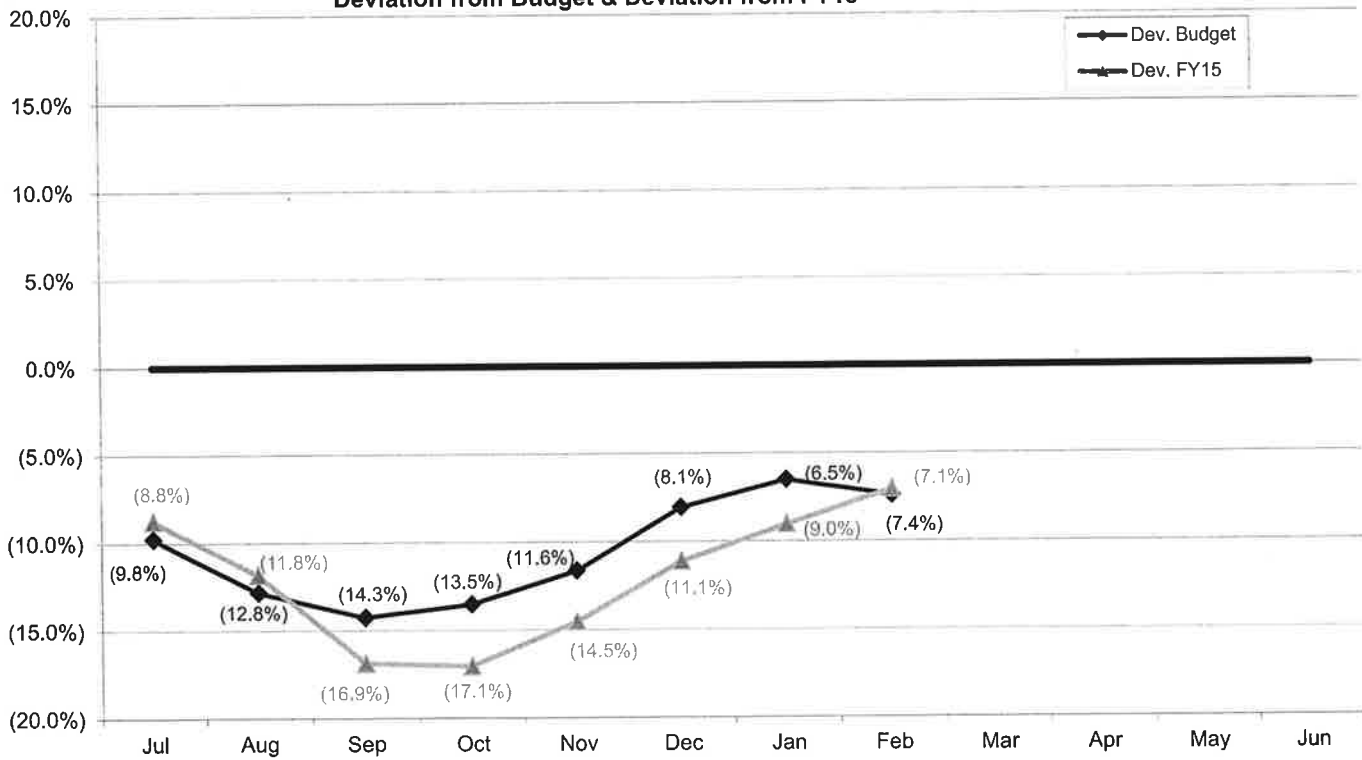
CSWS MSW Diversions And Exports									
Type	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
TS Diversions	0	0	-	0	0	-	0	0	-
TS Exports	0	7,697	-	608	3,612	494%	0	0	-
WPF Diversions	0	0	-	0	0	-	0	0	-
WPF Exports	0	2,061	-	527	1,334	153%	0	0	-
TOTAL TONNAGE	0	9,758	-	1,135	4,947	336%	0	0	-

CSWS MSW Trends

CSWS Monthly Member MSW Tonnage



CSWS Cumulative Member MSW Tonnage -
Deviation from Budget & Deviation from FY15



Connecticut Solid Waste System
February 2016 Monthly Customer Recyclables Deliveries
CSWS Tier 1 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Avon	2,036	2,096	3%	1,362	1,421	4%	140	149	7%
Beacon Falls	335	321	(4%)	209	255	22%	24	31	31%
Bethlehem	336	330	(2%)	222	243	10%	23	32	39%
Bloomfield	1,813	1,717	(5%)	1,160	1,151	(1%)	99	127	28%
Canaan	103	90	(13%)	59	64	8%	7	6	(5%)
Canton	979	971	(1%)	641	652	2%	66	69	4%
Clinton	998	1,148	15%	773	794	3%	73	87	19%
Colebrook	190	188	(1%)	126	116	(8%)	11	13	11%
Cornwall	145	147	2%	108	104	(3%)	11	4	(67%)
Deep River	429	425	(1%)	282	352	25%	35	42	19%
East Granby	482	442	(8%)	300	321	7%	36	43	19%
East Hampton	919	948	3%	617	653	6%	57	73	28%
Ellington	1,400	1,415	1%	955	961	1%	90	100	11%
Essex	718	658	(8%)	449	490	9%	44	61	38%
Farmington	2,444	2,281	(7%)	1,488	1,780	20%	140	193	38%
Glastonbury	3,617	3,687	2%	2,476	2,467	(0%)	224	287	28%
Goshen	315	320	2%	210	222	6%	18	26	45%
Granby	1,484	1,461	(2%)	954	974	2%	91	111	22%
Haddam	586	645	10%	419	462	10%	43	56	32%
Hartford	4,962	5,373	8%	3,419	3,657	7%	308	425	38%
Harwinton	530	515	(3%)	348	336	(3%)	35	36	4%
Killingworth	527	464	(12%)	302	320	6%	32	37	17%
Litchfield	0	0	-	0	539	-	0	58	-
Marlborough	713	684	(4%)	453	463	2%	48	51	6%
Middlebury	855	873	2%	582	560	(4%)	65	63	(4%)
Norfolk	168	168	0%	113	114	1%	10	10	4%
North Canaan	206	231	12%	149	162	9%	11	22	100%
Old Saybrook	1,119	1,105	(1%)	737	725	(2%)	73	68	(6%)
Oxford	794	780	(2%)	531	453	(15%)	59	49	(18%)
Portland	571	610	7%	434	389	(10%)	37	42	11%
Rocky Hill	1,637	1,656	1%	1,075	1,128	5%	108	130	20%
Roxbury	203	184	(10%)	125	122	(2%)	9	7	(24%)
RRDD#1	1,798	1,799	0%	1,214	1,246	3%	117	137	17%
Salisbury-Sharon	0	1,079	-	726	720	(1%)	68	78	14%
Torrington	2,942	3,004	2%	1,968	1,986	1%	168	212	26%
Watertown	1,827	1,758	(4%)	1,166	1,152	(1%)	115	125	8%
Wethersfield	2,804	2,710	(3%)	1,795	1,847	3%	164	207	26%
Woodbury	818	901	10%	615	566	(8%)	72	67	(7%)
TOTAL TIER 1 MUNICIPALITIES	41,805	43,193	3%	28,570	29,969	5%	2,732	3,334	22%

CSWS Tier 3 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
Thomaston	442	561	27%	371	405	9%	39	45	16%
TOTAL TIER 3 MUNICIPALITIES	442	561	27%	371	405	9%	39	45	16%

CSWS Tier 4 Participating Municipality Recycling

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
East Hartford	0	0	-	0	1,156	-	0	259	-
TOTAL TIER 4 MUNICIPALITIES	0	0	-	0	1,156	-	0	259	-

CSWS Hauler Contract Recycling

	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
TOTAL HAULER CONTRACT	11,881	8,033	(32%)	5,159	6,584	28%	504	741	47%

CSWS Contractor Sourced Recycling

	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
TOTAL CONTRACTOR SOURCED	8,441	12,506	48%	8,304	9,661	16%	701	1,050	50%

CSWS In-State Spot Recycling

State	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
TOTAL IN-STATE SPOT	823	0	(100%)	0	0	-	0	0	-

CSWS Out-Of-State Spot Recycling

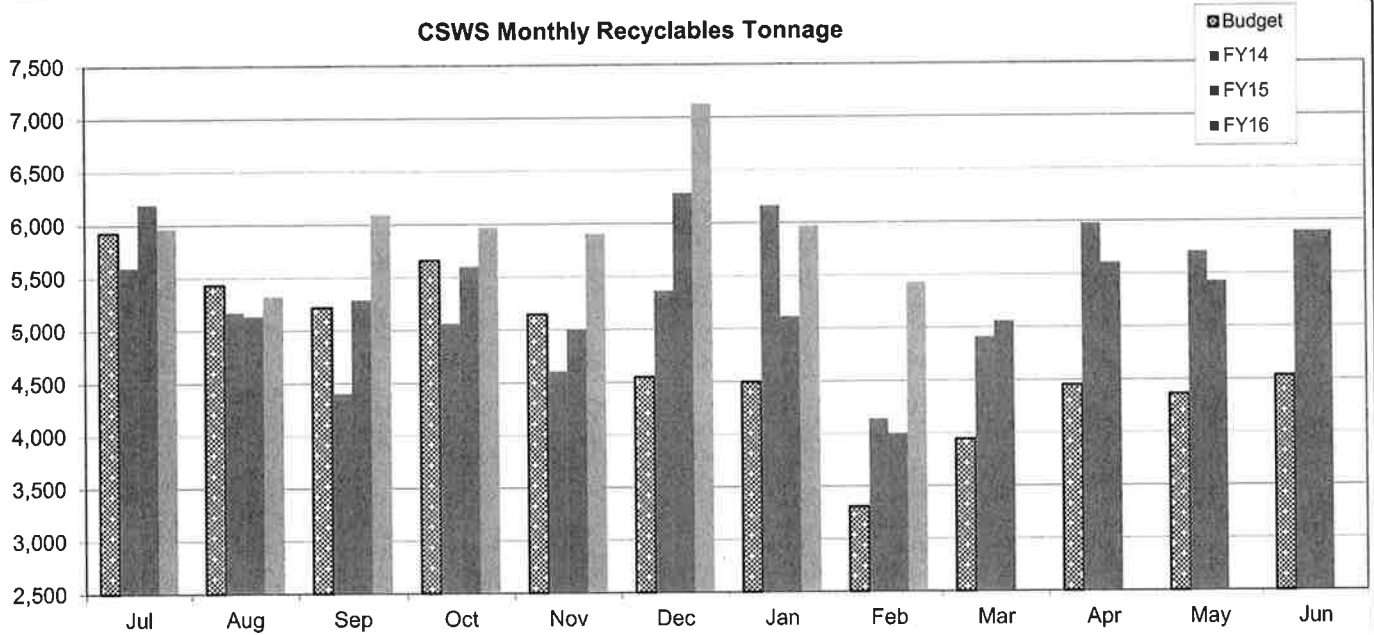
State	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
TOTAL OUT-OF- STATE SPOT	822	0	(100%)	0	0	-	0	0	-

CSWS Total Recycling Deliveries

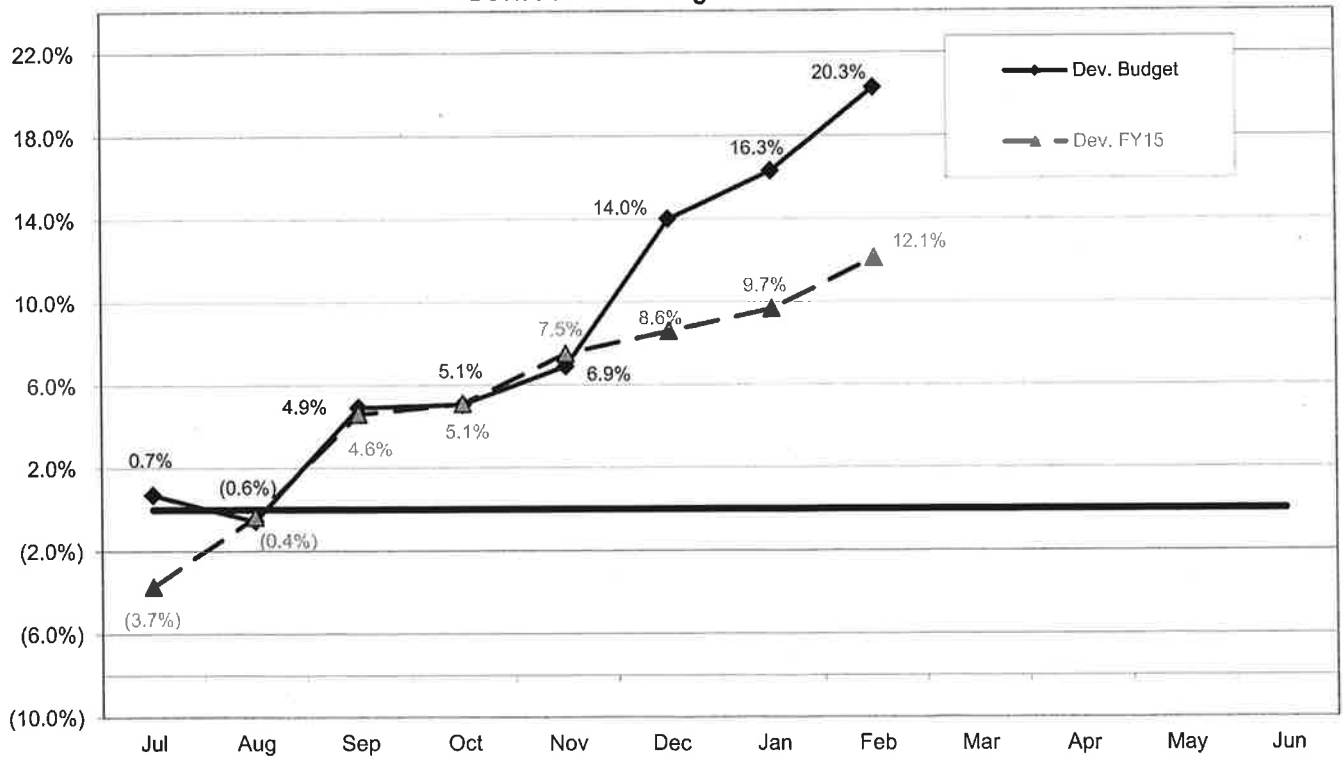
Source	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Change	Feb 15	Feb 16	Change
Participating	42,247	43,754	4%	28,940	30,373	5%	2,771	3,638	31%
Hauler Contract	11,881	8,033	(32%)	5,159	6,584	28%	504	741	47%
Contractor Sourced	8,441	12,506	48%	8,304	9,661	16%	701	1,050	50%
In-State Spot	823	0	(100%)	0	0	-	0	0	-
Out-of-State Spot	822	0	(100%)	0	0	-	0	0	-
TOTAL TONNAGE	64,213	64,293	0%	42,404	46,619	10%	3,976	5,429	37%

CSWS Recyclables Trends

CSWS Monthly Recyclables Tonnage



CSWS Cumulative Recyclables Tonnage - Deviation from Budget and FY15



SOUTHEAST PROJECT
February 2016 Monthly Customer MSW Deliveries
Southeast Project Member Towns MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
East Lyme									
Town	9,989	10,045	1%	6,584	6,736	2%	601	648	8%
Prison	561	567	1%	392	388	(1%)	59	48	(18%)
East Lyme Total	10,550	10,611	1%	6,976	7,125	2%	660	696	5%
Griswold	4,361	4,002	(8%)	2,683	2,612	(3%)	241	301	25%
Groton	27,041	25,285	(6%)	16,508	17,692	7%	1,559	1,824	17%
Ledyard	5,976	5,898	(1%)	3,860	4,104	6%	393	488	24%
Montville									
Town	7,960	7,609	(4%)	4,966	5,178	4%	458	631	38%
Prison	611	697	14%	471	409	(13%)	59	50	(15%)
Mohegan Sun	7,587	6,656	(12%)	4,416	4,488	2%	482	570	18%
Montville Total	16,157	14,961	(7%)	9,853	10,075	2%	998	1,251	25%
New London	20,786	19,423	(7%)	12,655	13,015	3%	1,346	1,531	14%
N. Stonington	2,634	2,830	7%	1,765	2,045	16%	186	196	5%
Norwich	23,846	21,912	(8%)	14,352	14,515	1%	1,581	1,600	1%
Sprague	952	989	4%	643	702	9%	80	70	(12%)
Stonington	11,870	11,905	0%	7,700	8,265	7%	682	890	31%
Waterford	11,450	11,348	(1%)	7,391	8,364	13%	742	883	19%
Fisher Island	287	277	(3%)	210	216	3%	11	7	(34%)
TOTAL MEMBER TOWN	135,911	129,442	(5%)	84,595	88,730	5%	8,479	9,738	15%

Southeast Project In-State Spot MSW

Town	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
CRRA	0	7,351	-	0	3,771	-	0	0	-
Preston	1,929	1,915	(1%)	1,254	1,255	0%	129	135	5%
TOTAL IN-STATE SPOT	1,929	9,266	380%	1,254	5,026	301%	129	135	5%

Southeast Project Member Towns And In-State Spot MSW

Source	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Member Towns	135,911	129,442	(5%)	84,595	88,730	5%	8,479	9,738	15%
In-State Spot	1,929	9,266	380%	1,254	5,026	301%	129	135	5%
TOTAL MEMBER & IN-STATE SPOT	137,840	138,707	1%	85,850	93,756	9%	8,608	9,873	15%

Southeast Project Company MSW Deliveries

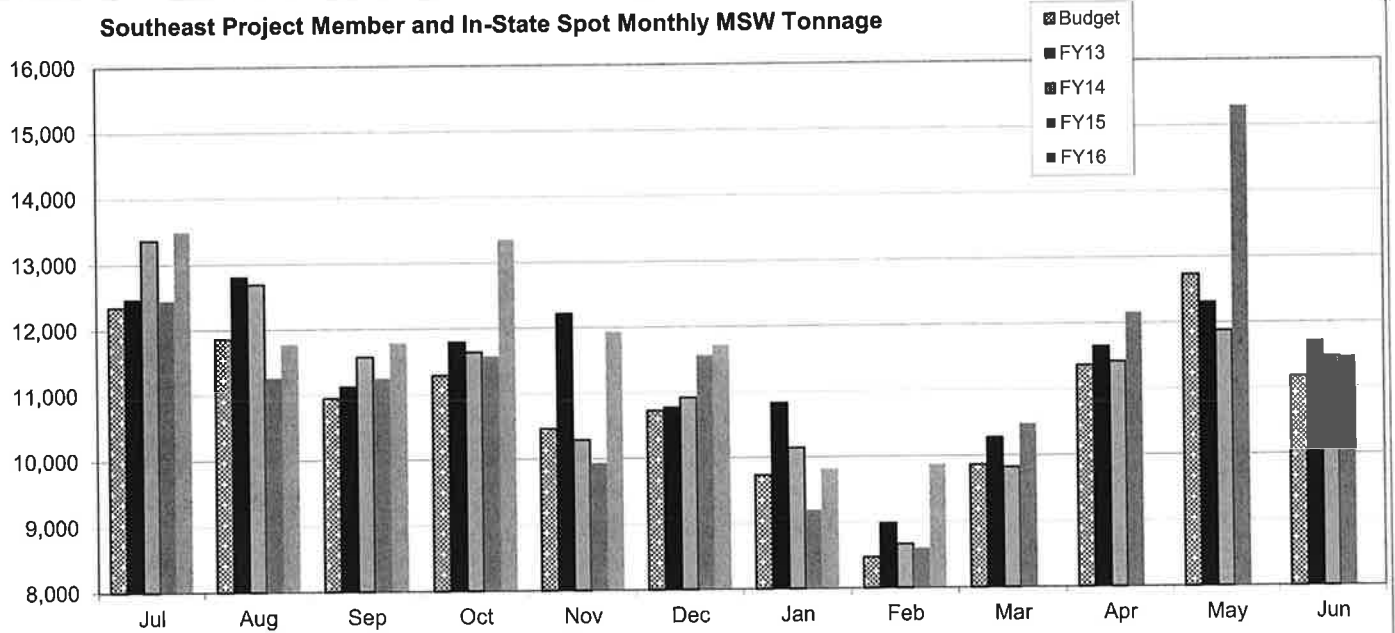
Source	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Various	158,214	122,971	(22%)	82,604	86,076	4%	10,004	6,652	(34%)
TOTAL COMPANY	158,214	122,971	(22%)	82,604	86,076	4%	10,004	6,652	(34%)

Southeast Project Total MSW Deliveries

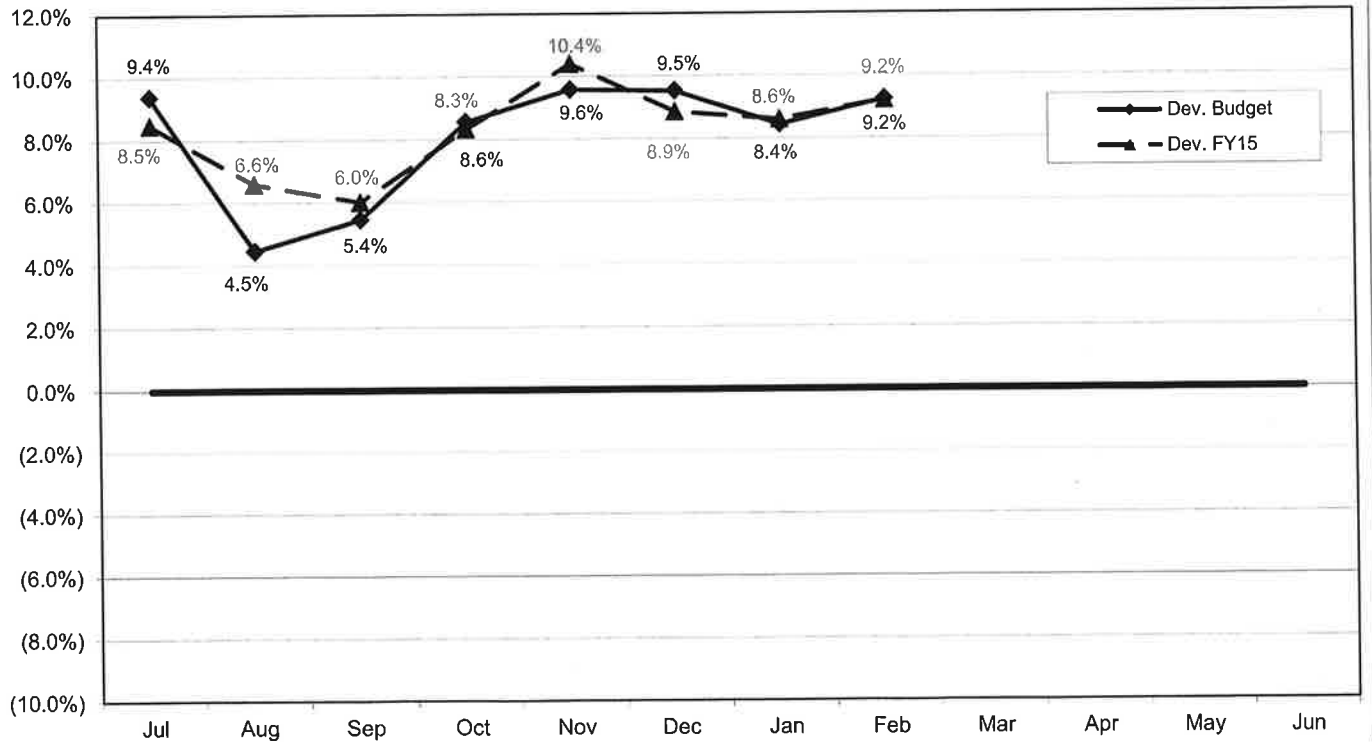
Source	Fiscal Year			Fiscal Year-To-Date			Monthly		
	2014	2015	Growth	2015	2016	Growth	Feb 15	Feb 16	Growth
Member Towns	135,911	129,442	(5%)	84,595	88,730	5%	8,479	9,738	15%
In-State Spot	1,929	9,266	380%	1,254	5,026	301%	129	135	5%
Company Deliveries	158,214	122,971	(22%)	82,604	86,076	4%	10,004	6,652	(34%)
TOTAL TONNAGE	296,054	261,678	(12%)	168,453	179,832	7%	18,612	16,525	(11%)

Southeast Project MSW Trends

Southeast Project Member and In-State Spot Monthly MSW Tonnage



Southeast Project Member and In-State Spot Cumulative MSW Tonnage - Deviation from Budget and Prior Year



TAB D

FISCAL YEAR 2016 LEGAL REQUESTS FOR SERVICES

<u>FIRM/BOARD APPROVAL</u>	<u>Matter</u>	<u>RFS Amount</u>	<u>Amount Incurred</u> <u>July - Dec. for</u> <u>FY'16</u>	<u>Status</u> <u>O (Ongoing)</u> <u>C (Concluded)</u> <u>A (Anticipated)</u>
Brown Rudnick	Compliance Matters	\$ 10,000	\$ -	A
\$25,000.00		\$ 10,000	\$ -	
Cohn Birnbaum & Shea	South Meadows Exit Strategy	\$ 45,000	\$ 38,822	O
\$55,000.00		\$ 45,000	\$ 38,822	
Day Pitney	NPDES Permitting Support	\$ -	\$ -	A
\$20,000.00		\$ -	\$ -	
Halloran & Sage	GC - Authority Budget	\$ 200,000	\$ 13,725	O
\$1,025,000.00	Property Division	\$ 10,000	\$ 3,685	O
	MDC Arbitration	\$ 150,000	\$ 129,819	O
	CSWS	\$ 50,000	\$ 13,653	O
	Hartford Landfill Solar Array	\$ 75,000	\$ 48,637	C
	FOIA Complaint	\$ 30,000	\$ 13,974	O
	Mid-CT Ongoing	\$ -	\$ 1,733	C
	Southeast Project	\$ 20,000	\$ 18,211	O
		\$ 535,000	\$ 243,436	
Kainen, Escalera & McHale	Employment	\$ 25,000	\$ 1,430	O
\$475,000.00	MDC Arbitration	\$ 100,000	\$ 62,965	O
		\$ 125,000	\$ 64,395	
Pullman & Comley	Bond Counsel - General Counsel	\$ 10,000	\$ -	O
\$85,000.00	Bond Counsel - Southeast	\$ 55,000	\$ 50,797	O
		\$ 65,000	\$ 50,797	
TOTALS:		\$ 780,000	\$ 397,450	
\$1,685,000.00				

Status*

O = Ongoing

C = Concluded

A = Anticipated

TAB E



MIRA Education Report – January/February 2016

Group Visits - 307

Walk-in public - 140

Outreach - 78

Total - 525

Ongoing Staff Activities

January 6 – TG and SM met with CREC facilities person

January 13 – SM met with John Lawlor, PW Director Bloomfield

January 13 – SM met with Kirk Severance, PW Director Granby; Lisa Pyatt, Recycling Coordinator, Granby

January 15 – SM met with Timothy Webb, PW Director of Ellington

January 15, 20 – staff participated in Connecticut Recyclers Coalition Conference planning meeting

January 20 – SM met with Phillip Sissick, PW Director East Hampton

January 20 – RA attended South Meadows Business Alliance meeting, Hartford

January 22 – SM met with Guy Scaife, Town Manager; Glenn Parent, PW Director Rocky Hill

January 25 – SM met with Pil Goff, Assistant PW Director Higganum

January 26 – SM met with Walter Adametz, Foreman; First Selectman Catherine Ino, Killingworth

January 26 – SM met with Peter Neff, PW Director Clinton (cancelled due to illness)

January 27 – SM, PG attended Connecticut Recyclers Coalition Conference and Trade Show; SM active organizer of conference

January 29 – SM, RA attended CRCOG Next Generation in Economic Development Workshop, Capitol, Hartford

January – staff developed PowerPoint presentation, recycling plant photo array and scripts for YouTube video clips (pending approval)

February 1 – SM met with Dinnie Light, Transfer Superintendent, North Canaan

February 2 – SM met with Thomas Roy, PW Director, Simsbury

February 3 – SM met with John Jekins, PW Director Durham

February 10 – PG attended GreenLeaf meeting, Hartford

February 12 – SM met with First Selectman Barbara Henry, Roxbury

February 16 – SM and VR exhibit at Connecticut Council of Small Towns (COST) Conference, Rocky Hill

February 19 – Outreach to Academy of Aerospace and Engineering Academy

February 23 – Tour scheduled for RRDD1 employees (cancelled)

February 23 – PG attended DEEP plastic film recycling workshop

February 25 – Simsbury Recycling Advisory Committee meeting

Request for participation

March 8 – Simsbury Land Trust Documentary (“Racing to Zero”) discussion

April 24 – Barkhamstead Earth Day event

May 13 – Avon Sustainability event, High School

MIRA TRASH MUSEUM REQUESTS 09/25/2015-02/29/2016 – Total participants not scheduled – 7,880
= \$31,520.00 uncollected revenue

TOWN	GRADE/AGE	NUMBER OF PARTICIPANTS
Avon	6-8 th	7
Avon	PK	30
Avon	3 rd -5 th	11
Bethlehem	PK-8 th	100
Bloomfield	K	108
Bloomfield	3 rd	140
Branford	11 th , 12 th	25
Cheshire	3 rd	69
Colchester	3 rd	12
Colchester	3 rd -5 th	32
Colebrook	2 nd & 4 th	20
Cromwell	3 rd	175
Cromwell	Adults	6
Danbury	K-1 st	42
Danielson	9 th	100
Deep River	PK-5 th	25
Deep River	3 rd	50
East Haddam	3 rd	20
East Hampton	K-8 th	50
East Hampton	3 rd	40
East Hartford	PK-5 th	300
East Hartford	3 rd	84
East Windsor	Adult	15
Ellington	3 rd	38
Fairfield	7-12 year-olds	90
Farmington	K & 1 st	29
Glastonbury	3 rd	166
Glastonbury	PK	30
Glastonbury	K	38
Glastonbury	seniors	20
Glastonbury	1 st -4 th	12
Granby	3 rd	125
Guilford	3 rd	249
Hamden	PK	250
Hamden	9 th -12 th	12
Hampton	3 rd	40
Hartford	3 rd	468
Hartford	5 th -7 th	10
Hartford	4 th -5 th	30
Hartford	2 nd	33
Hartford	Adult	61
Hartford	9 th -12 th	50
Hebron	3 rd	80
Killingworth	2 nd	20
Killingworth	9 th -12 th	10
Lebanon	PK-K	20
MA	K	100
MA	K-1 st	8

MA	1 st	30
MA	seniors	56
MA	PK-HS	35
Manchester	PK-6 th	30
Manchester	3 rd	90
Manchester	Seniors	14
Meriden	K-5 th	70
Middletown	3 rd - 4 th	60
Monroe	8 th	180
New Britain	K-12 th	50
New Britain	1 st	100
New Britain	4 th	81
New Britain	18-21 year olds	20
New Britain	College	60
New Haven	K-6 th	350
New Milford	2 nd	390
New Milford	6 th -8 th	30
NY	K-5 th	100
Newington	3 rd	170
Newington	PK	30
Newington	K-4 th	60
Newington	9 th -12 th	21
Norwich	8 th	132
Orange	Families	50
Plainville	4 th -6 th	17
Sherman	3 rd	35
Simsbury	High School	12
South Windsor	PK	30
Stafford Springs	3 rd	105
Tolland	6 th -8 th	270
Tolland	PK	50
Vernon	1 st	55
Vernon	PK	30
Wallingford	9 th -12 th	100
Wallingford	5 th -7 th	100
Watertown	2 nd -3 rd	20
West Hartford	3 rd -5 th	60
West Hartford	PK	12
West Hartford	1 st	65
West Hartford	3 rd	322
West Hartford	9 th -12 th	60
West Haven	K-6 th	50
West Haven	3 rd	100
Wethersfield	1 st & 4 th	200
Wethersfield	3 rd	254
Wethersfield	2 nd -3 rd	105
Willimantic	PK-8 th	40
Winsted	Special needs	15
Wolcott	3 rd	94
Woodbury	6 th -8 th	20
TOTAL		7,880