

**Annual Report Form**  
**WASTE TO ENERGY FACILITIES**  
for the Maine Department of Environmental Protection and Maine State Planning Office

**For YEAR: 2013**

Name of Facility: Penobscot Energy Recovery Company

Location: Orrington                      e-mail: mmains@percwte.com

DEP License: S-011383-WG-A-N

Facility Operator: Peter Prata      Phone#: 825-4566 ext 116

Contractor Contact Person: Michael Mains      Phone#: 825-4566 ext 118

Billing Contact Person: Deanne Mansell      Phone#: 825-4566

This form must be used by respondents; another format is not acceptable, without prior approval.

**VERIFICATION OF INFORMATION SUBMITTED, VIA THE ATTACHMENTS**

I, Peter J. Prata, have examined this report and to the best of my knowledge and belief, said report (please print name) is true, correct and complete

  
\_\_\_\_\_  
(authorized signature for company)

Plant Manager  
(title)

3/28/14  
(date)

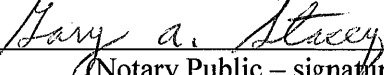
Name of Company: Penobscot Energy Recovery Company

Address: 29 Industrial Way, Orrington, Maine 04474

Subscribed and sworn to before me on 3/28/14  
(date)

**GARY A. STACEY**  
**Notary Public • State of Maine**  
**My Commission Expires March 16, 2018**  
My commission expires (date)

Gary A. Stacey  
(Notary Public – print name)

  
(Notary Public – signature)

Michael Mains, Technical Manager  
(name & title of form preparer, if different from above)

N/A

\_\_\_\_\_  
(address and business phone of preparer, if different from above)

**Please return two (2) copies of the completed form and applicable fee by April 30th to:**  
Vicky Bryant, Maine Dept. of Environmental Protection  
17 State House Station, Augusta, Maine 04333-0017

Date: March 28, 2014

Annual WTE Incinerator Report for Penobscot Energy Recovery Company

## Narrative Report on Operations

Please include the following information for the reporting year:

- (1) A summary of the operational records and any events outside of the normally expected operations of the facility;

PERC is a resource recovery facility. It processes MSW into RDF. The RDF is combusted in boilers to produce steam to drive a turbine that generates electricity. A small amount of wood was combusted as a supplemental fuel in 2013. In addition to RDF, MSW processing produces FEPR. The FEPR consists of glass & grit, non-processables, and ferrous. The glass & grit and non-processable components are disposed in landfills. The ferrous is recovered for remanufacture. The combustion of the RDF and the application of lime for acid gas control produces ash. The ash is disposed in secure landfills. The 2013 summary of materials received, shipped out, processed, produced or combusted are presented below. The quantities of materials received or produced do not match those processed or shipped out because their inventories at the beginning and end of the year are not equal.

### SOLIDS FLOW SUMMARY (Tons)

MSW Received	306,875
FEPR Shipped	61,691
Ash Shipped	53,577
Bypass	7,298

### PROCESSING SUMMARY (Tons)

MSW Processed	299,383
RDF Produced	246,461
FEPR Produced	61,491

### COMBUSTION SUMMARY (Tons)

RDF Combusted	237,480
Wood Combusted	1,157
Ash Produced	53,610

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There were few exceptional events during 2013.

Except for small quantities of wood waste from JSI Store Fixtures, Milo, Maine, no atypical and/or special wastes were knowingly accepted in 2013. The acceptance of this atypical waste was approved by the Department on May 18, 2012.

There were no substantive fires during 2013 that impacted facility operation to the degree where MSW deliveries, MSW processing or fuel delivery to the boilers were impacted.

Periodically during the year a local contractor brought a portable grinder to the facility to process the non-processable waste stream. This activity converted approximately 9,710 tons of waste, which would otherwise have gone to landfill, into fuel.

During 2013, PERC sought approval from the Department to spray a neutralizing agent exterior to the plant, with some apparent success in reduction of odor offsite. PERC only received 3 odor complaints over the season. This included 1 in Hampden. The complaints were investigated by plant personnel, often with Town officials, and corrective actions taken when warranted.

A focus was placed on training and awareness regarding identification, reporting, clean-up and prevention of oil spills. Twelve minor oil spills (10 gallons or less) were documented during 2013 and handled pursuant to a Memorandum of Agreement (MOA) with the Department. The MOA was renewed in January 2014. There was a spill of less than 50 gallons of No.2 Fuel Oil on June 28, 2013 by Dead River that entered the stormdrain system and the retention pond. The Department and other agencies were notified and the spill cleaned-up by Clean Harbors, PERC personnel, and the Department. No oil reached the Penobscot River.

- (2) A summary of changes to the Operations Manual made during the past year and any known proposed changes to operations;

The manual was updated in 2013 to incorporate cumulative changes in facility design and operation and submitted to the Department for review in January 2104. None of the changes are believed to be substantive from the perspective of regulatory compliance, with the exception of PERC's transition to a zero-discharge facility for wastewater under normal operations.

- (3) A report of minor changes to the facility site or operations not requiring departmental approval that have occurred during the reporting year. Changes handled in this manner are those that do not require licensing under minor revision or amendment provision of DEP Chapter 400.

Annual overhauls were done to the major components of both process lines, including the flail mills, trommels, magnetic separators and secondary shredders. Both disc screens were changed-out. Process line equipment was repaired on an- as-needed basis throughout the year. A major, 5-year overhaul was conducted on the turbine/generator and cooling tower.

Concrete was poured during 2013 to repair part of the tipping floor.

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Facility changes to transition to a zero-discharge facility are under review by the Water Bureau as part of its MePDES and WWDL renewal.

Relocation of some spray nozzles for odor neutralization was discussed with both the Air Bureau and Solid Waste Division, and did not require any license changes.

- (4) A summary of the ash characterization results for the year, including detailed information concerning any ash characterization results that exceeded regulatory limits and the actions taken in response;

Ash sampling in 2013 was conducted five times, during one week per 10,000 ton produced. Once a shift a sample was made up from core samples of the fly and bottom ash piles in a full ash trailer. At the end of the week the shift samples were composited. The weekly composite samples were submitted to outside laboratories for analysis. Northeast Laboratory Services analyzed the samples for TCLP metals, total metals and other inorganic parameters. Two samples from the first and second half of the year were also submitted to Pace Analytical for dioxin/furan analysis.

The 2013 TCLP results are presented in Table 1 of the attachment to this report. Most of the metal analytes were near or below detection limits and substantially below the regulatory threshold.

TCLP results and statistical analysis since the third quarter of 1994 are presented in Table 2 of the attachment to this report. The third quarter of 1994 represents the first sample set collected from the new ash load out building. The upper confidence limits remain below the regulatory thresholds for all analytes.

The total metals and other inorganic parameters are presented in Table 3 of the attachment to this report. These parameters do not have regulatory thresholds. They were collected and analyzed for informational purposes.

The dioxin/furan results are presented in Table 4 of the attachment to this report. They include the 2,3,7,8 isomers and totals for each homologue. There are no regulatory thresholds for dioxin in ash. The data is collected as required by license condition and by regulation.

- (5) A summary of the amounts and destinations of residues and ash generated by the facility and a demonstration that sufficient disposal capacity is guaranteed for the ash and all residues expected to be generated during the next year;

Refer to Form B for a summary of amounts and destinations of residues and ash generated by PERC.

PERC has contracts with Casella and its entities for FEPR and ash disposal through 2018.

While Casella and its entities have an exclusive contract and must provide disposal for these waste streams, they have discretion to direct some of the wastes to other landfills. PERC has been advised by Casella that all residue streams were disposed in the Juniper Ridge Landfill, operated by Casella and its entities. Permitted capacity is expected to last for the duration of the contract.

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- (6) A summary of the wastes accepted for incineration and the characterization results for these wastes;

Except for small quantities of wood waste from JSI Store Fixtures, Milo, Maine, no atypical and/or special wastes were knowingly accepted in 2013. The Department did not require waste characterization on the JSI atypical waste. Therefore, no waste characterizations were conducted.

- (7) Monitoring records if ground water, surface water, soil, or other monitoring is required by the facility's solid waste license;

PERC is not required to monitor soil, ground water or most surface water. As required by the MEPDES permit renewed on August 26, 2009 PERC conducts and documents visual examinations of the discharge from the outfall of its stormwater detention pond. The monitoring results of the wastewater treatment final effluent are included in the Discharge Monitoring Report submitted to the Department's Bureau of Land and Water Quality. PERC also submits excess emission reports, CEMS audit reports and stack test reports to the Department's Bureau of Air Quality.

- (8) A summary of operator training conducted during the year; and

Since the Operations Manual has not been finalized, training could not be conducted on it during 2013. Training is provided to new employees within 6 months of the date of hire on the operating manual, as required by PERC's Part 70 Air Emission License. Members of PERC's structural fire brigade undergo training on a quarterly basis. New employees undergo training on the Stormwater Pollution Prevention Plan, the Oil Spill SPCC, and the Hazardous Materials SPCC.

- (9) An annual update on cost and documentation of any changes made to the financial assurance instrument in accordance with DEP Chapter 400 Section 11.

A Letter of Credit (LOC) to close the facility by a third party was renewed on March 15, 2011. It was issued in the amount of \$540,000. The Standby Trust Agreement issued on April 13, 2001 remains in effect. The LOC was renewed again in March 2014 in the amount of \$540,000 and remains in effect.

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Annual WTE Incinerator Report for Penobscot Energy Recovery Company

## FORM A SOLID WASTE VOLUMES RECEIVED

### WASTE SOURCE SUMMARY <sup>1</sup> (TONS)

MONTH	MUNICIPAL	COMMERCIAL	SPOT MARKET	OTHER <sup>2</sup>	TOTAL
JANUARY	14,324.98	11,424.33	697.01	97.34 <sup>3</sup> 33.05 <sup>4</sup>	26,576.71
FEBRUARY	12,384.23	7,617.87	403.56	228.44 <sup>3</sup> 19.52 <sup>4</sup>	20,653.62
MARCH	13,928.03	7,173.46	273.56	264.89 <sup>3</sup> 21.38 <sup>4</sup>	21,661.32
APRIL	15,752.15	11,403.70	608.15	130.89 <sup>3</sup> 21.52 <sup>4</sup>	27,916.41
MAY	17,343.50	10,447.58	684.28	45.32 <sup>4</sup>	28,520.68
JUNE	16,518.17	9,503.97	731.49	44.60 <sup>4</sup>	26,798.23
JULY	18,965.79	9,377.84	815.42	47.12 <sup>4</sup>	29,206.17
AUGUST	19,086.94	7,546.68	755.07	45.38 <sup>4</sup>	27,437.07
SEPTEMBER	17,339.63	7,182.81	641.47	57.95 <sup>4</sup>	25,221.86
OCTOBER	17,121.67	7,430.49	1,125.11	49.81 <sup>4</sup>	25,727.08
NOVEMBER	14,969.23	7,852.29	797.89	33.32 <sup>4</sup>	23,652.73
DECEMBER	14,894.24	8,904.65	847.56	16.14 <sup>4</sup>	24,662.59
<b>TOTALS</b>	<b>192,628.56</b>	<b>105,865.67</b>	<b>8,380.57</b>	<b>1,156.67</b>	<b>308,031.47</b>

- 1 In addition to the above, attach a month-by-month summary of waste received from each account. Indicate any accounts delivering waste from outside Maine and the amount of imported waste delivered. In lieu of names, each commercial account may be identified as a HAULER or as a BUSINESS. (306,874.80 tons MSW)
- 2 OTHER INCLUDES WOOD CHIPS, INDUSTRIAL WASTES OR SPECIAL WASTES ACCEPTED.
- 3 Whole Tree Chips (721.56 tons)
4. Wood Waste from JSI Store Fixtures, Milo, ME (435.11 tons)

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**FORM B**

**WASTE HANDLING SUMMARY**

**MSW received by state/province of origin (tons)**

State/Province of Origin	Amount (tons)	Percent of Total
Maine	265,183	86
Massachusetts	41,692	14
New Hampshire		
Other state/province (fill in name): _____		
Other state/province (fill in name): _____		
<b>Total</b>	<b>306,875</b>	<b>100</b>

<b>Amount of RDF Produced:</b>	<b>246,461</b>
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**Materials disposition by facility shipped to (tons):**

Material	Tons	Receiving Facility
<b>FEPR</b>	<b>53,585</b>	<b>Juniper Ridge Landfill, OT</b>
<b>Bypass</b>	<b>7,298</b>	<b>Juniper Ridge Landfill, OT</b>
<b>Recovered Metal - ferrous</b>	<b>8,074</b>	<b>WTE Recycling Greenfield, MA</b>
<b>Recovered Metal - non-ferrous</b>	<b>-0-</b>	
<b>Non-Processible/OBW</b>	<b>32</b>	<b>Juniper Ridge Landfill, OT</b>
<b>Other (describe waste stream):</b>	<b>-0-</b>	
<b>Ash</b>	<b>53,577</b>	<b>Juniper Ridge Landfill, OT</b>

## FORM C TIPPING FEES (\$ PER TON)

### CONTRACT HOLDER TIP FEES

	Low Fee	High fee	Average fee	Projected fee for next year
<b>MUNICIPAL CUSTOMERS</b>				
Host municipality(ies)				
Charter municipalities	74.75	76.00	75.01	77.00
Contracted municipalities (more than one year)	54.68	56.57	55.34	56.00
Contracted municipalities (one year or less)				
Other (describe) Host	0	0	0	0
<b>COMMERCIAL CUSTOMERS</b>				
Contracted (more than one year)	29.62	38.11	33.51	35.00
Short term contract (one year or less)				
Other (describe)				

### SPOT MARKET - QUARTERLY AVERAGE TIP FEES

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
<b>MUNICIPAL SPOT</b>	72.27	71.80	72.50	73.18
<b>COMMERCIAL SPOT</b>	72.27	71.80	72.50	73.18

- 
- 1 Please provide the lowest fee charged for each group.
  - 2 Please provide the highest fee charged for each group.
  - 3 Average is the sum of the tip fees paid by each group, divided by the total tons delivered by each group.



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**FORM D**

**REVENUES RECEIVED<sup>1</sup>**

MONTH	TIPPING FEES <sup>2</sup> MUNICIPAL	TIPPING FEES <sup>2</sup> COMMERCIAL	SALES OF ELECTRICITY	OTHER <sup>3</sup>	TOTAL
JANUARY	\$1,059,778.77	\$356,842.43	1,873,344.18		3,289,965.38
FEBRUARY	\$ 914,901.39	\$260,115.43	1,266,506.43		2,441,523.25
MARCH	\$1,035,853.20	\$257,070.71	1,466,409.80		2,759,333.71
APRIL	\$1,146,473.52	\$366,202.08	2,116,653.58		3,629,329.18
MAY	\$1,264,111.86	\$362,185.56	2,390,298.15		4,016,595.57
JUNE	\$1,204,863.85	\$329,371.53	2,159,186.44		3,693,421.82
JULY	\$1,381,094.61	\$358,346.17	2,227,998.03		3,967,438.81
AUGUST	\$1,393,542.84	\$309,015.89	2,192,273.29		3,894,832.02
SEPTEMBER	\$1,264,140.82	\$293,417.72	2,067,721.52		3,627,280.06
OCTOBER	\$1,249,124.58	\$298,959.97	2,276,302.89		3,824,387.44
NOVEMBER	\$1,092,193.74	\$288,279.06	2,216,141.88		3,596,614.68
DECEMBER	\$1,085,752.00	\$312,441.76	2,212,117.79		3,610,311.55
<b>TOTALS</b>	\$14,091,831.18	\$3,792,248.31	24,464,953.98		42,351,033.47

Total number of kilowatt hours of electricity generated for sale (sold) in calendar year: 162,504,492

- 1 Please attach a copy of the annual report for the relevant calendar year
- 2 Include spot market revenues in the appropriate column.
- 3 Itemize other sources of revenues (e.g. oily waste) and attach supporting documentation.

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**FORM E**

**EXPENDITURES <sup>1</sup>**

<b>VARIABLE EXPENDITURES</b>		
Labor	7,700	
Maintenance	10,040	
Utilities	434	
<b>Operations/maintenance total</b>		18,174
Wood chips	29	
Other (please identify) <b>Fuel Oil</b>	813	
<b>Alternative fuel purchased total</b>		842
<b>Ash &amp; Front End Processing Residue disposal</b>		5,899
<b>Other variable costs</b>		1,435
<b>FIXED EXPENDITURES</b>		
<b>Fixed Expenses not listed above</b>		1,569
<b>Other Non-Operating (W/O Depreciation)</b>		1,771
<b>New capital investments</b>		0
<b>Debt service</b>		1,759
<b>Reserve</b>		
<b>TOTAL EXPENDITURES</b>		31,449

1. Please attach a copy of annual report for the relevant fiscal year.

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**ATTACHMENTS FOR ASH ANALYSES**

Sample ID Number	Date	AS	BA	CD	TABLE 1 TCLP (mg/l)		HG	SE	AG	V
					CR	PB				
C-283	Mar-13	< 0.20	0.57	< 0.05	< 0.05	< 0.05	< 0.00	< 0.25	< 0.05	< 0.05
C-284	May-13	< 0.05	0.71	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C-285	Jul-13	< 0.20	0.58	< 0.34	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C-286	Sep-13	< 0.20	0.50	< 0.05	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05
C-287	Nov-13	< 0.20	0.36	0.54	< 0.05	< 0.05	< 0.05	< 0.25	< 0.05	< 0.05

Sample ID Number	Date	TABLE 2 TCLP (mg/l)								
		AS	BA	CD	CR	PB	HG	SE	AG	V
C141	Sep 1994	< 0.20	< 1.00	< 0.05	< 0.10	0.20	0.002	< 0.20	< 0.10	< 1.00
C142		< 0.20	< 1.00	0.32	< 0.10	0.22	< 0.001	< 0.20	< 0.10	< 1.00
C143		< 0.20	< 1.00	0.07	0.20	0.26	< 0.001	< 0.20	< 0.10	< 1.00
C144		< 0.20	< 1.00	1.25	0.12	0.29	< 0.001	< 0.20	< 0.10	< 1.00
C145	Dec 1994	0.30	1.20	< 0.05	< 0.10	0.43	0.030	< 0.20	< 0.10	< 1.00
C146		< 0.20	< 1.00	0.33	< 0.10	0.20	0.002	< 0.20	< 0.10	< 1.00
C147		< 0.20	1.26	0.44	< 0.10	0.20	0.001	< 0.20	< 0.10	< 1.00
C148		< 0.20	1.74	< 0.05	< 0.10	5.26	< 0.001	< 0.20	< 0.10	< 1.00
C149	Mar 1995	< 0.20	3.58	< 0.05	< 0.10	2.40	< 0.001	< 0.20	< 0.10	< 1.00
C150		< 0.20	1.35	< 0.05	< 0.10	3.66	< 0.001	< 0.20	< 0.10	< 1.00
C151		< 0.20	1.68	< 0.05	< 0.10	4.89	< 0.001	< 0.20	< 0.10	< 1.00
C152		< 0.20	1.78	< 0.05	< 0.10	4.98	< 0.001	< 0.20	< 0.10	< 1.00
C153	Jun 1995	< 0.20	2.01	< 0.05	< 0.10	0.20	< 0.001	< 0.20	< 0.10	< 1.00
C154		< 0.20	1.64	0.95	< 0.10	0.20	0.010	< 0.20	< 0.10	< 1.00
C155		< 0.20	1.67	0.67	< 0.10	0.20	0.005	< 0.20	< 0.10	< 1.00
C156		< 0.20	1.24	0.56	< 0.10	0.20	< 0.001	< 0.20	< 0.10	< 1.00
C157	Aug 1995	< 0.20	1.76	0.86	0.12	0.73	0.002	< 0.20	< 0.10	< 1.00
C158		< 0.20	2.19	0.17	< 0.10	0.29	< 0.001	< 0.20	< 0.10	< 1.00
C159		< 0.20	2.32	1.01	0.10	0.31	0.002	< 0.20	< 0.10	< 1.00
C160		< 0.20	1.16	1.46	< 0.10	0.20	< 0.001	< 0.20	< 0.10	< 1.00
C161	Dec 1995	< 0.20	< 1.00	< 0.05	< 0.10	0.53	< 0.050	< 0.20	< 0.10	< 1.00
C162		< 0.30	< 1.00	< 0.05	< 0.10	0.50	< 0.050	< 0.30	< 0.10	< 1.00
C163		0.30	< 1.00	< 0.05	< 0.10	1.30	< 0.020	< 0.20	< 0.10	< 1.00
C164		0.70	< 1.00	< 0.05	< 0.10	0.67	< 0.050	< 0.20	< 0.10	< 1.00
C165	Mar 1996	< 0.20	0.77	0.17	< 0.05	0.05	< 0.050	0.50	< 0.05	< 0.05
C166		< 0.20	1.10	0.24	< 0.05	0.24	< 0.050	0.40	< 0.05	< 0.05
C167		< 0.20	0.75	< 0.05	0.13	0.08	< 0.050	0.50	< 0.05	< 0.05
C168		< 0.20	0.89	< 0.05	0.23	0.54	< 0.050	0.50	< 0.10	< 0.05
C169	Jun 1996	< 0.20	0.76	< 0.05	0.17	0.05	< 0.050	0.80	< 0.05	< 0.05
C170		< 0.20	0.61	< 0.05	0.16	0.05	< 0.050	0.80	< 0.05	< 0.05
C171		< 0.20	0.83	< 0.05	0.14	0.14	< 0.050	0.70	< 0.05	< 0.05
C172		< 0.20	1.10	0.76	0.11	0.19	< 0.050	0.90	< 0.05	< 0.05
C173	Sep 1996	< 0.20	1.10	0.57	0.05	0.23	< 0.050	0.90	< 0.05	< 0.05
C174		0.30	0.90	0.54	0.16	0.32	< 0.050	0.20	< 0.05	< 0.05
C175		< 0.50	0.90	0.49	1.50	1.60	< 0.050	0.50	< 0.10	< 0.10
C176		< 0.20	0.97	< 0.05	0.19	0.16	< 0.050	0.50	< 0.10	< 0.05
C177	Dec 1996	0.90	1.20	< 0.05	0.05	2.50	< 0.050	0.50	< 0.05	< 0.05
C178		< 0.30	0.68	0.16	< 0.05	0.47	< 0.050	0.30	< 0.05	< 0.05
C179		< 0.30	1.09	1.06	0.05	0.56	< 0.050	0.30	< 0.05	< 0.05
C180		< 0.20	0.72	< 0.05	0.05	0.25	< 0.050	0.20	< 0.05	< 0.05
C181	Mar 1997	< 0.50	1.07	0.74	0.65	1.01	< 0.050	0.05	< 0.05	< 0.05
C182		< 0.20	1.20	0.20	< 0.05	0.36	< 0.050	0.20	< 0.05	< 0.05
C183		< 0.30	0.73	< 0.05	0.05	0.30	< 0.050	0.30	< 0.05	< 0.05
C184		< 0.20	0.65	< 0.05	0.05	0.15	< 0.050	0.20	< 0.05	< 0.05
C185	Jun 1997	< 0.20	1.50	< 0.05	0.05	0.35	< 0.050	0.20	< 0.05	< 0.05
C186		< 0.20	0.75	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C187		< 0.20	0.52	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C188		< 0.20	0.71	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C189	Sep 1997	< 0.20	1.10	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C190		< 0.20	1.40	1.10	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C191		< 0.20	1.60	1.00	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C192		< 0.20	1.40	0.35	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C193	Nov 1997	< 0.20	1.00	0.75	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C194		< 0.20	1.60	0.75	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C195		0.30	0.88	0.35	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C196		< 0.20	1.20	0.55	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C197	Mar 1998	< 0.20	1.10	0.10	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C198		< 0.20	1.30	0.77	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C199		< 0.20	< 0.10	0.57	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C200		< 0.20	1.10	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C201	May 1998	< 0.20	1.10	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C202		< 0.20	1.30	0.45	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C203		< 0.20	1.60	0.71	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C204		< 0.20	1.80	0.69	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C205	Sep 1998	< 0.30	< 1.00	0.51	< 0.05	0.05	< 0.050	0.20	< 0.10	< 0.10
C206		0.40	1.10	1.80	< 0.05	3.50	< 0.050	0.20	< 0.05	< 0.10
C207		0.30	0.80	0.66	< 0.05	0.05	< 0.050	0.20	< 0.05	< 0.10
C208		0.30	1.40	0.53	0.05	0.06	< 0.050	0.20	0.08	0.11
C209	Nov 1998	0.50	0.80	0.80	1.90	8.20	< 0.020	0.20	< 0.05	0.09
C210		0.40	1.80	< 0.10	1.70	0.44	< 0.020	0.20	< 0.05	0.13
C211		< 0.20	0.95	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C212		< 0.20	0.88	< 0.05	0.05	0.05	< 0.050	0.20	< 0.05	< 0.05
C213	Mar 1999	0.70	0.91	0.34	0.47	0.47	< 0.050	0.20	0.05	0.05
C214		0.80	0.99	0.64	0.47	0.62	< 0.050	0.20	0.05	0.08
C215		0.60	0.56	0.10	0.46	0.26	< 0.050	0.20	< 0.05	0.07
C216		0.80	1.40	0.68	0.49	0.53	< 0.050	0.20	0.05	0.08
C217	Jun 1999	< 0.20	1.60	< 0.05	0.47	0.05	< 0.050	0.20	< 0.05	0.10
C218	Aug 1999	< 0.20	1.60	0.83	0.12	0.17	< 0.050	0.20	< 0.10	0.08
C219	Dec 1999	< 0.20	0.95	0.43	< 0.05	0.16	< 0.050	0.25	< 0.05	< 0.05
C220	Mar 2000	< 0.20	1.00	0.98	< 0.05	0.18	< 0.050	0.25	< 0.05	< 0.05
C221	Jun 2000	< 0.20	1.10	0.54	< 0.05	0.06	< 0.050	0.25	< 0.05	< 0.05

TABLE 2  
TCLP (mg/l)

Sample ID Number	Date	AS	BA	CD	CR	PB	HG	SE	AG	V
C222	Aug 2000	< 0.20	0.60	0.74	0.07	6.00 <	0.050 <	0.25 <	0.05 <	0.05
C223	Dec 2000	< 0.20	0.45	0.81 <	0.05	0.34 <	0.050 <	0.25 <	0.05 <	0.05
C224	Mar 2001	< 0.20	0.70	0.43 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C225	Jun 2001	0.44	1.20	1.40 <	0.05	0.24 <	0.050	0.28 <	0.05 <	0.05
C226	Aug 2001	0.39	2.00	1.60 <	0.05	0.21 <	0.050 <	0.25 <	0.05 <	0.05
C227	Dec 2001	< 0.20	0.92	0.67 <	0.05 <	0.05	0.170 <	0.25 <	0.05 <	0.05
C228	Mar 2002	< 0.20	0.78	0.45 <	0.05 <	0.05	0.160 <	0.25 <	0.05 <	0.05
C229	Jun 2002	< 0.20	1.40	1.40 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C230	Sep 2002	< 0.20	0.74 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25	0.06 <	0.05
C231	Nov 2002	< 0.20	1.30	0.81 <	0.05	0.29 <	0.050 <	0.25 <	0.05 <	0.05
C232	Dec 2002	< 0.20	0.83 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C233	Mar 2003	< 0.20	0.68 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C234	Jun 2003	0.28	1.60	0.32 <	0.05	0.47 <	0.050 <	0.25 <	0.05 <	0.05
C235	Aug 2003	0.20	1.40	1.80 <	0.05	0.08 <	0.050 <	0.25 <	0.05 <	0.05
C236	Nov 2003	< 0.20	0.93 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C237	Dec 2003	< 0.20	0.55	0.10 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C238	Apr 2004	< 0.20	1.00	0.06 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C239	May 2004	< 0.20	1.00	1.20 <	0.05	0.13 <	0.050 <	0.25	0.05 <	0.05
C240	Jun 2004	< 0.20	0.78 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C241	Oct 2004	< 0.20	0.56 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C242	Dec 2004	< 0.20	0.91	1.50 <	0.05	0.17 <	0.050 <	0.25 <	0.05 <	0.05
C243	Mar 2005	< 0.20	1.10 <	0.05 <	0.05	0.25 <	0.050 <	0.25 <	0.05 <	0.05
C244	May 2005	< 0.20	1.00 <	0.05 <	0.05	0.19 <	0.050 <	0.25	0.07 <	0.05
C245	Aug 2005	< 0.20	0.91 <	0.05 <	0.05	3.30 <	0.050 <	0.25 <	0.05 <	0.05
C246	Oct 2005	< 0.20	0.78 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05	0.14
C247	Dec 2005	< 0.20	0.72 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C248	Feb 2006	< 0.20	0.81 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C249	May 2006	< 0.20	0.98 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C250	Jul 2006	< 0.20	1.20 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C251	Sep 2006	< 0.20	0.85 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25	0.06 <	0.05
C252	Dec 2006	< 0.20	1.30	1.30 <	0.05	0.28 <	0.050 <	0.25 <	0.05 <	0.05
C253	Mar 2007	< 0.20	0.86 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C254	May 2007	< 0.20	1.50	3.10 <	0.05	0.29 <	0.050 <	0.25 <	0.05	0.05
C255	Jul 2007	< 0.20	0.94 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C256	Sep 2007	< 0.20	1.20 <	0.05 <	0.05	4.60 <	0.050 <	0.25 <	0.05 <	0.05
C257	Nov 2007	< 0.20	0.86	1.20 <	0.05	0.08 <	0.050 <	0.25 <	0.05 <	0.05
C258	Apr 2008	< 0.20	1.10 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C259	Jun 2008	< 0.20	2.10 <	0.05 <	0.05	3.30 <	0.050 <	0.25 <	0.05 <	0.05
C260	Aug 2008	< 0.20	1.40 <	0.05 <	0.05	4.50 <	0.050 <	0.25 <	0.05 <	0.05
C261	Oct 2008	< 0.20	1.90 <	0.05 <	0.05	2.90 <	0.050 <	0.25 <	0.05 <	0.05
C262	Dec 2008	< 0.20	0.96 <	0.05 <	0.05	4.40 <	0.050 <	0.25 <	0.05 <	0.05
C263	Feb 2009	< 0.20	0.81 <	0.05 <	0.05	2.00 <	0.050 <	0.25 <	0.05 <	0.05
C264	Apr 2009	< 0.20	0.89 <	0.05 <	0.05	0.26 <	0.050 <	0.25 <	0.05 <	0.05
C265	May 2009	< 0.20	0.69 <	0.05 <	0.05	4.50 <	0.050 <	0.25 <	0.05 <	0.05
C266	Aug 2009	< 0.20	2.30 <	0.05 <	0.05	5.90 <	0.050 <	0.25 <	0.05 <	0.05
C267	Nov 2009	< 0.20	1.00 <	0.05 <	0.05	3.40	0.095 <	0.25 <	0.05 <	0.05
C268	Feb 2010	< 0.20	2.30 <	0.05 <	0.05	3.90 <	0.050 <	0.25 <	0.05 <	0.05
C269	May 2010	< 0.20	2.00 <	0.05 <	0.05	3.10 <	0.050 <	0.25 <	0.05 <	0.05
C270	Jun 2010	< 0.20	2.80 <	0.05 <	0.05	2.20 <	0.050 <	0.25 <	0.05 <	0.05
C271	Aug 2010	< 0.20	0.70 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C272	Nov 2010	< 0.20	0.82 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C273	Jan 2011	< 0.20	1.20 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C274	Apr 2011	< 0.20	0.55 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C275	Jun 2011	< 0.20	0.65 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C276	Aug 2011	< 0.20	0.96 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C277	Nov 2011	< 0.20	0.95 <	0.05 <	0.05	1.10 <	0.050 <	0.25 <	0.05 <	0.05
C278	Mar 2012	< 0.20	1.20 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C279	May 2012	< 0.20	0.79 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C280	Jul 2012	< 0.20	0.77 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C281	Oct 2012	< 0.20	0.56 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C282	Dec 2012	< 0.20	0.77 <	0.05 <	0.05 <	0.05 <	0.050 <	0.25 <	0.05 <	0.05
C-283	Mar-13	< 0.20	0.57 <	0.05 <	0.05 <	0.05 <	0.00	0.25 <	0.05 <	0.05
C-284	May-13	< 0.05	0.71 <	0.05 <	0.05 <	0.05 <	0.05	0.25 <	0.05 <	0.05
C-285	Jul-13	< 0.20	0.58	0.34 <	0.05 <	0.05 <	0.05	0.25 <	0.05 <	0.05
C-286	Sep-13	< 0.20	0.50 <	0.05 <	0.05 <	0.05 <	0.05	0.25 <	0.05 <	0.05
C-287	Nov-13	< 0.20	0.36	0.54 <	0.05 <	0.05 <	0.05	0.25 <	0.05 <	0.05

n	147	147	147	147	147	147	147	147	147	147
MEAN	0.24	1.11	0.37	0.12	0.78	0.04	0.26	0.06	0.06	0.21
VAR	0.02	0.24	0.24	0.06	2.28	0.00	0.02	0.00	0.00	0.12
STD DEV	0.12	0.49	0.49	0.25	1.51	0.02	0.12	0.02	0.02	0.35
STD ERR	0.01	0.04	0.04	0.02	0.12	0.00	0.01	0.00	0.00	0.03
t STAT	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289
UCL	0.25	1.17	0.42	0.14	0.94	0.05	0.27	0.06	0.06	0.25
RT	5.0	100.0	1.0	5.0	5.0	0.2	1.0	5.0	5.0	200.0

TABLE 3  
 Total Metals/Inorganic Parameters  
 mg/l (unless noted otherwise)

	C-283	C-284	C-285	C-286	C-287
Excel					
PH	12.20	12.06	12.10	12.00	12.07
%CA EQ	17.00	37.00	36.00	35.00	32.00
%SLD	78.00	80.00	77.00	74.00	74.00
%LOI	7.90	2.70	2.40	2.70	3.30
AL	8400.00	35000.00	29000.00	32000.00	39000.00
AS	3.30	21.00	15.00	11.00	21.00
BA	130.00	380.00	470.00	390.00	450.00
CD	27.00	50.00	65.00	63.00	39.00
CA	70000.00	150000.00	150000.00	140000.00	130000.00
CL	31000.00	42000.00	37000.00	8300.00	41000.00
CR	23.00	56.00	59.00	90.00	67.00
CR(VI)	8.30	8.10	8.40	8.70	0.48
CU	950.00	1100.00	850.00	1200.00	1200.00
FE	9400.00	12000.00	10000.00	17000.00	18000.00
PB	550.00	780.00	970.00	1000.00	740.00
MG	2800.00	7400.00	8200.00	6800.00	6700.00
MN	260.00	600.00	480.00	480.00	580.00
HG	0.00	2.40	1.80	2.00	0.97
MO	9.80	10.00	16.00	16.00	13.00
NI	18.00	46.00	150.00	64.00	38.00
PO4	4900.00	15000.00	13000.00	11000.00	8900.00
P	1600.00	5000.00	4100.00	3600.00	2900.00
K	7000.00	8200.00	11000.00	10000.00	8100.00
SE	4.40	2.40	3.60	4.00	2.00
AG	2.50	3.80	5.00	3.30	6.10
NA	10000.00	15000.00	19000.00	18000.00	16000.00
SO4	390.00	460.00	530.00	54.00	1400.00
V	7.40	21.00	30.00	25.00	24.00
ZN	1500.00	5200.00	4500.00	4400.00	5300.00

DATA ENTRY

TABLE 4  
PCDD/PCDF (ppb)

NAME	C-284	C-287
	5/16/2013	11/7/2013
2378-TCDD	0.0460	0.013
12378-PeCDD	0.1200	0.034
123478-HxCDD	0.1300	0.034
123678-HxCDD	0.1800	0.054
123789-HxCDD	0.1900	0.047
1234678-HpCDD	1.2000	0.300
OCDD	1.6000	0.490
2378-TCDF	0.2400	0.072
12378-PeCDF	0.4600	0.100
23478-PeCDF	0.4800	0.120
123478-HxCDF	0.6200	0.120
123678-HxCDF	0.6000	0.120
234678-HxCDF	0.4200	0.100
123789-HxCDF	0.1000	0.019
1234678-HpCDF	1.2000	0.290
1234789-HpCDF	0.1300	0.029
OCDF	0.2700	0.070
TOTAL TCDD	0.680	0.260
TOTAL PeCDD	1.200	0.400
TOTAL HxCDD	2.200	0.680
TOTAL HpCDD	2.200	0.580
TOTAL TCDF	6.500	2.000
TOTAL PeCDF	5.800	1.600
TOTAL HxCDF	4.400	0.840
TOTAL HpCDF	1.900	0.440
TOTAL PCDD	0.680	0.260
TOTAL PCDF	6.500	2.000
TOTAL PCDD/F	7.180	2.260



Date: March 28, 2014

Annual WTE Incinerator Report for Penobscot Energy Recovery Company

**ATTACHMENTS FOR FORM A**

# MUNI CHARTER

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Penobscot Energy Recovery Company  
MSW Tonnage  
Monthly Summary by Customer Class

PAGE 1

Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total	G.A.T.
CHTR ABBOT TOWN OF	12.85	10.37	14.11	10.29	9.16	14.39	12.70	13.98	14.78	13.68	12.83	13.39	152.53	150
ALBION, TOWN OF	88.61	61.92	62.21	77.95	86.87	72.01	88.87	70.30	76.01	87.67	59.74	81.07	913.23	1000
ALTON, TOWN OF	30.46	22.80	25.01	35.96	26.34	26.72	26.39	33.67	29.16	33.64	33.47	38.56	361.28	340
ATKINSON, TOWN	8.99	8.01	9.97	10.55	11.87	11.82	12.84	12.73	12.18	11.18	11.23	9.69	131.06	110
BAILEYVILLE, TO	143.77	92.33	128.19	136.32	151.49	175.25	186.92	161.32	161.32	152.45	123.09	119.15	1751.90	1350
BANCKROFT TOWN O	1.28	1.25	1.79	1.65	3.19	1.60	1.70	1.93	1.86	2.18	1.99	1.23	21.56	25
BANCKROFT CITY OF	2165.29	1905.37	2115.35	2350.35	2561.60	2257.82	2495.84	2487.13	2473.04	2370.25	2258.28	2272.94	27709.76	30500
BANCKROFT RECYCLIN	2.80	2.32	2.60	3.09	6.45	6.25	4.41	2.64	3.19	3.77	3.00	3.45	42.99	
BAR HARBOR TOWN	231.07	226.60	211.83	339.47	445.58	535.13	746.76	752.70	576.43	525.00	305.86	274.55	5172.23	4050
BLFAST, CITY-O	43.75	52.39	49.84	54.55	69.46	62.85	88.74	71.43	77.10	53.42	63.25	57.53	741.91	900
BLUE HILL, SURR	274.56	208.49	247.10	296.90	325.33	332.86	470.83	455.16	392.27	329.60	383.41	312.70	3942.41	3985
BOOTHBAY REG RE	243.43	226.46	227.31	290.65	347.40	434.95	601.42	676.83	484.04	397.52	305.29	291.23	4476.53	4500
BOWERBANK, TOWN	2.87	2.00	2.49	2.65	2.39	2.94	3.21	3.18	3.05	2.80	2.80	2.43	33.41	34
BRADLEY, TOWN O	45.92	32.74	34.12	51.47	53.89	41.84	51.75	42.11	42.51	61.73	37.17	47.49	543.74	500
BREWER, CITY OF	423.01	345.72	385.25	427.44	486.73	434.99	468.01	465.63	421.45	478.95	402.44	434.47	5176.09	6400
BROOKS, TOWN OF	25.13	32.78	35.36	48.96	49.00	40.00	51.28	40.00	48.57	40.00	39.15	44.13	485.76	375
BROWNVILLE, TOW	42.98	35.08	35.10	41.63	68.73	49.26	57.69	46.80	44.19	56.28	38.49	34.87	551.10	650
BUCKSPORT, TOWN	142.95	97.46	120.06	140.43	130.06	129.73	145.44	134.51	130.51	145.36	110.54	124.23	1551.20	1850
BURNHAM, TOWN O	39.99	35.11	38.80	59.05	54.31	56.53	53.86	60.02	59.76	63.66	51.40	45.66	619.55	500
CAPT. CITY-WTVL	227.29	195.51	185.44	182.10	223.83	182.20	140.47	158.49	225.45	206.77	184.74	249.35	2361.64	
CARMEI, TOWN OF	116.09	78.43	81.37	109.51	88.07	89.82	115.75	90.22	95.20	102.98	85.86	103.48	1156.79	1050
CASTINE, TOWN O	13.70	7.39	16.35	14.87	30.29	16.18	29.77	41.92	22.79	10.57	18.04	9.24	239.11	270
CENTRAL PENOBSC	187.62	155.39	180.61	223.31	229.15	242.52	292.47	225.16	210.58	217.61	213.19	191.82	2479.63	2829
CHEERYFIELD, TO	36.83	35.92	45.39	36.99	47.94	39.90	50.15	40.72	38.86	37.47	36.80	37.64	453.21	550
CHESTER, TOWN O	21.26	31.23	31.44	37.93	31.81	29.34	36.75	28.24	36.42	40.30	26.41	36.19	387.12	400
CHINA, TOWN OF	90.65	84.85	107.17	111.83	120.45	150.80	134.63	154.33	140.55	94.21	105.25	105.71	1464.49	1757
CLIFTON, TOWN O	36.75	27.18	30.74	42.21	39.04	40.29	51.02	36.67	43.54	37.94	31.47	41.52	458.37	400
CLINTON TOWN OF	179.30	210.75	178.92	171.26	192.62	232.89	208.02	272.49	186.26	194.40	229.64	153.06	2409.61	2350
DEBHAM, TOWN OF	57.45	38.71	39.75	46.50	70.29	51.54	82.17	73.43	59.50	71.42	49.16	51.89	691.81	375
DIXMONT, TOWN OF	10.07	9.33	9.96	13.32	12.85	11.52	19.00	11.40	14.19	12.15	11.75	11.09	146.63	146
DOVER-FOXCROFT	163.81	137.80	172.15	182.03	204.92	203.90	221.23	222.47	210.07	193.15	193.32	167.58	2272.44	2200
DREW PLANTATION	1.14	1.12	1.52	1.47	2.84	1.41	1.50	1.71	1.66	1.52	1.79	1.10	19.18	17
EAST MILLINOCCKE	46.78	66.27	45.27	92.95	71.26	71.13	73.18	54.47	74.92	74.27	70.45	64.26	805.11	800
EDDINGTON, TOWN	63.74	61.64	77.91	76.61	74.78	87.01	79.85	93.12	69.37	73.29	71.10	80.20	908.60	850
EDINGSBURG, TOWN	3.64	3.12	2.94	3.03	3.74	2.75	4.04	2.19	3.41	3.90	3.25	4.10	39.11	38
ENFIELD, TOWN O	48.49	46.77	53.35	76.04	65.71	62.40	83.38	71.10	78.74	69.55	55.98	66.25	777.16	700
ERNA, TOWN OF	39.53	10.95	32.85	37.22	50.99	35.88	45.52	37.47	41.84	44.17	38.44	34.26	472.72	450
FAIRFIELD, TOWN	416.01	266.84	402.45	467.56	433.33	378.44	583.51	538.21	429.64	453.70	445.15	423.89	5258.78	3500
FRANKLIN, TOWN	13.94	6.84	12.79	20.82	9.59	17.06	25.52	22.97	21.45	16.07	9.78	11.43	188.26	250
FREEDOM TOWN OF	19.12	15.60	17.41	27.65	21.90	19.39	26.99	18.30	23.91	19.45	15.90	22.00	246.52	250
GARLAND, TOWN O	18.40	13.95	15.47	23.66	16.95	17.68	22.29	17.38	18.20	23.52	18.37	18.40	224.27	250
GLENBURN TOWN O	224.07	166.57	179.47	210.06	275.01	230.91	258.00	216.84	217.64	252.34	194.40	162.64	2577.95	2000
GOULDSBORO TOWN	25.75	31.03	27.43	34.29	37.50	32.53	56.23	46.24	48.14	37.12	38.07	36.31	450.66	742
GREENBUSH TOWN	41.18	38.75	58.26	64.58	51.79	48.35	56.34	54.28	45.89	58.42	45.44	45.44	622.51	550
HAMPDEN TOWN OF	273.08	209.95	258.26	317.63	295.47	288.46	333.83	305.21	336.42	310.73	284.00	311.74	3525.18	3481
HANCOCK TOWN OF	33.92	24.71	25.24	37.10	31.54	34.11	49.09	40.33	33.48	36.32	25.86	30.58	402.28	400
HARRINGTON, TOWN	34.69	26.25	26.90	31.41	43.33	32.04	43.87	37.99	36.10	42.01	30.38	23.10	408.07	400

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Penobscot Energy Recovery Company  
MSW Tonnage  
Monthly Summary by Customer Class

Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total	G.A.T.
CHTR HAYNESVILLE, TO	3.12	3.08	4.17	4.04	7.79	3.90	4.14	4.70	4.98	5.31	4.88	3.03	52.74	50
HERMON TOWN OF	305.69	257.25	272.95	274.83	279.02	324.84	289.93	326.14	286.62	320.78	282.04	302.74	3522.84	3500
HOLDEN TOWN OF	75.90	64.05	67.23	69.82	104.60	86.65	101.21	101.94	88.22	85.50	77.59	79.80	1001.59	1100
HOWLAND, TOWN O	29.34	17.30	18.35	21.05	33.97	23.35	22.88	22.23	21.63	33.11	18.63	17.06	278.91	280
HUDSON, TOWN OF	12.21	9.39	9.75	10.65	15.09	13.72	11.70	11.67	13.13	10.20	10.20	13.33	140.90	150
JACKSON TOWN OF	24.50	13.50	16.60	16.50	21.50	16.50	20.50	17.00	16.30	19.00	15.50	18.65	215.45	150
KENDUSKEAG, TOW	30.41	26.75	26.52	33.29	37.43	34.04	44.18	29.79	34.29	29.83	30.14	32.76	390.13	350
KNOX TOWN OF	36.02	23.48	36.69	45.04	52.25	42.31	41.50	49.12	37.97	37.81	43.54	33.35	479.08	350
LAGRANGE TOWN O	20.70	15.60	19.25	32.10	24.26	21.06	35.37	25.07	31.90	24.28	24.21	21.02	294.82	300
LANOINE TOWN OF	46.72	33.81	39.57	48.51	49.06	55.01	61.11	54.00	67.68	46.26	46.70	43.45	591.96	600
LES TOWN OF	31.69	26.50	32.42	42.68	44.85	43.07	44.06	47.67	46.42	50.39	42.07	39.35	491.45	375
LEVANT TOWN OF	75.48	79.95	96.70	81.10	99.11	93.14	78.07	100.36	95.05	94.50	85.40	80.89	1059.75	975
LINCOLN TOWN OF	226.30	223.95	247.86	298.67	278.72	287.97	308.38	304.73	304.20	291.98	270.66	275.03	3119.45	3600
MACHIAS, TOWN G	160.30	148.69	153.40	169.29	182.07	173.34	185.60	170.47	186.96	186.59	132.21	160.94	2009.86	1600
MACHAROC PLANTIA	3.41	3.36	4.55	4.40	8.51	4.25	4.52	5.12	4.98	5.79	5.03	3.11	59.53	56
MARVILLE TOWN	9.55	11.00	11.26	22.18	11.64	12.03	12.95	9.72	10.18	25.64	11.87	12.53	160.30	160
MARS HILL TOWN	24.76	12.56	52.59	82.79	137.15	86.15	29.20	115.37	54.02	78.34	83.47	76.80	937.28	800
MATTAWAMKEAG TO	20.34	18.56	28.46	25.27	33.80	27.75	20.43	32.93	25.31	24.27	23.80	26.12	307.04	375
MEDFIELD, TOWN O	2.73	3.19	3.37	3.33	3.65	3.68	4.31	3.82	4.39	4.98	3.61	3.15	44.21	45
MEDFORD, TOWN O	5.31	6.22	6.56	6.47	13.05	7.13	8.37	7.42	8.53	14.03	9.30	6.12	98.59	80
MEDWAY TOWN OF	66.13	32.70	44.65	75.00	67.09	67.21	50.52	72.08	43.27	73.20	45.48	45.35	692.68	700
MID MAINE SOLID	381.72	377.54	429.62	482.58	496.63	477.24	507.61	503.50	472.52	502.05	422.08	419.64	5469.73	4150
MIDCOAST SOLID	548.54	381.44	442.03	471.04	588.75	629.27	694.61	762.93	621.78	823.41	578.15	448.15	6787.13	6585
MILBRIDGE, TOWN	49.37	41.08	41.59	44.99	62.38	51.22	71.05	56.06	53.16	69.31	45.49	46.96	627.68	610
MILFORD TOWN OF	31.90	62.52	62.26	90.10	75.71	73.96	92.75	77.92	79.29	92.14	71.35	81.19	943.09	1051
MILLINOCKET TOW	174.95	119.07	299.67	235.40	297.47	288.07	292.61	301.29	218.69	234.96	199.90	179.59	2801.58	2704
MILTO TOWN OF	103.85	92.83	105.27	104.77	141.36	116.94	123.28	134.83	118.62	126.08	109.56	101.78	1378.97	1320
MONSON TOWN OF	20.06	8.82	11.27	22.13	17.61	15.15	28.02	28.70	12.67	14.22	21.24	12.83	214.72	230
MONTVILLE, TOWN	17.66	12.58	15.65	19.82	16.77	15.89	20.94	17.13	24.93	17.84	10.94	10.27	200.48	140
MT DESERT ISLAN	315.27	311.25	377.80	342.12	474.14	553.32	709.12	822.79	568.51	446.79	385.44	379.55	5706.20	6440
NEWBURGH TOWN	75.39	64.57	91.19	73.89	96.43	77.86	76.18	100.67	81.52	78.62	86.79	70.34	970.45	650
NORTHERN KATAHD	77.98	81.55	81.17	81.40	111.62	92.08	119.38	127.71	117.25	117.79	107.66	74.13	1181.92	1000
OAKFIELD, TOWN	.00	23.29	23.10	.00	23.77	48.44	78.33	49.68	28.11	54.45	.00	.00	323.17	200
OLD TOWN CITY O	265.27	228.33	256.59	268.61	317.05	255.92	278.19	278.00	296.80	293.06	253.89	242.13	3233.92	4700
ORLAND TOWN OF	23.15	17.26	21.63	26.54	23.46	26.58	28.48	27.28	23.42	27.88	19.94	21.62	287.24	350
ORONO TOWN OF	314.81	307.97	303.08	334.63	399.73	293.17	265.25	356.07	353.43	351.82	349.38	327.20	3955.55	4265
OTTIS TOWN OF	9.93	9.26	17.77	10.22	15.59	16.50	22.67	21.75	22.12	11.61	10.41	22.46	189.29	158
PALMERA TOWN OF	91.20	73.42	70.74	89.87	115.72	83.38	89.36	113.74	89.78	110.41	80.48	77.29	1085.19	900
PARKMAN TOWN OF	13.94	12.37	11.89	18.51	18.99	19.74	17.84	23.17	18.95	16.80	18.63	14.80	205.63	200
PASSADOWNKAG, T	14.27	11.54	11.35	13.62	29.07	10.76	16.23	12.88	11.89	14.85	12.18	10.27	168.61	160
PENOBSCOT COUNT	86.98	62.72	67.79	73.24	72.87	81.40	69.96	50.58	105.90	71.44	72.94	62.19	858.01	870
PENOBSCOT TOWN	37.17	30.58	39.96	46.55	45.70	48.17	45.27	53.80	52.49	42.97	41.38	39.88	526.62	550
PISCATAQUIS COUN	21.29	11.66	14.52	22.87	21.53	16.63	45.27	48.53	34.17	60.58	26.30	43.09	512.57	400
PLEASANT RIVER	27.13	26.73	47.78	44.36	48.56	64.05	48.63	34.17	60.58	26.30	43.09	38.31	517.43	500
PLYMOUTH TOWN O	47.03	33.91	35.08	44.78	55.95	42.40	42.98	51.60	40.64	48.21	36.54	38.31	517.43	500
REED PLANTATION	5.25	5.17	7.02	6.80	13.10	6.56	7.89	7.68	8.94	8.23	5.11	88.71	100	
ROCKLAND CITY O	356.98	334.63	386.56	407.53	459.83	425.06	524.13	511.60	439.26	472.31	382.42	404.60	5104.91	5200

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Penobscot Energy Recovery Company  
MSW Tonnage  
Monthly Summary by Customer Class

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Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total	G.A.T.
CHTR SANGERVILLE TOW	45.11	37.97	47.41	50.13	56.44	56.15	60.93	57.61	58.60	53.19	53.22	46.15	622.91	600
SEARSPORT TOWN	14.00	12.00	12.00	15.00	20.50	14.01	22.50	18.50	15.98	17.50	14.50	17.40	193.89	140
SEARSPORT/FINE	35.83	30.13	44.15	39.85	49.70	42.26	44.04	60.45	43.08	51.86	43.30	38.99	523.64	605
SEARSPORT/FINE	34.56	29.34	32.39	32.64	38.63	25.95	26.78	14.12	29.85	40.98	30.31	21.82	377.37	
SHERMAN TOWN OF	14.25	11.98	14.98	15.83	17.81	17.74	19.24	19.11	17.50	16.80	16.82	14.56	196.62	170
SHERMAN TOWN OF	43.80	40.32	49.71	119.20	48.40	77.12	57.21	58.27	87.44	74.11	85.82	46.10	795.52	650
SORRENTO TOWN O	.00	.00	3.88	5.27	5.50	5.11	8.29	8.94	7.37	6.36	3.12	5.14	63.87	65
SPRINGFIELD, TO	.00	.00	3.88	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
STELSON TOWN OF	47.08	32.63	37.59	54.40	46.12	46.38	59.01	38.26	54.86	63.75	40.06	43.84	564.18	773
STELSON TOWN OF	33.75	34.48	50.82	42.71	58.58	47.05	52.14	56.65	51.93	46.47	37.10	40.26	583.94	610
STOCKTON SPRING	26.66	22.39	29.68	25.04	42.82	34.82	34.56	42.38	32.49	30.07	21.99	25.33	378.33	425
STONINGTON TOWN	68.72	62.11	61.93	88.53	91.50	94.70	121.80	126.90	115.63	117.54	83.69	74.22	1117.93	1000
SULLIVAN, TOWN	9.60	7.49	8.90	8.03	10.70	9.35	12.10	11.60	10.20	11.40	5.95	8.30	113.58	121
SWANS ISLAND, T	17.45	8.14	8.62	8.39	9.26	7.49	17.74	24.01	12.69	12.09	13.61	.00	139.49	150
TCOSMO, INC TRI	92.93	125.27	180.14	145.43	167.07	138.71	227.99	153.10	156.35	160.04	170.72	103.47	1821.22	1450
THOMASTON, SOUT	302.40	267.47	300.15	331.53	341.62	336.15	397.37	392.13	353.00	371.88	303.21	343.87	4039.78	3730
THORNDIKE TOWN	10.59	11.16	11.48	14.70	12.57	12.13	17.45	13.60	12.80	6.80	12.27	8.69	141.32	275
TROY TOWN OF	14.21	10.54	10.18	11.14	16.73	11.54	17.21	12.16	13.58	14.95	11.89	9.59	154.78	220
UNION RIVER SOL	27.05	26.19	27.39	36.03	29.18	36.06	43.69	40.40	45.10	29.10	27.65	32.25	400.09	400
UNION TOWN OF	60.51	63.22	62.71	86.37	82.01	81.24	94.76	76.57	109.91	79.89	78.23	88.25	961.87	800
VASSALBORO TOWN	93.86	82.33	103.11	113.18	117.49	106.00	121.20	123.64	135.11	91.75	140.46	88.19	1316.32	1440
VERAZIE TOWN OF	48.56	35.22	35.07	39.36	58.81	44.47	53.40	44.43	43.96	51.91	39.54	40.73	535.46	800
VERAZIE TRUCK-A	2.83	4.82	4.41	4.95	9.19	4.74	5.58	6.48	4.40	6.03	5.69	5.71	64.83	
VERONA TOWN OF	30.00	24.00	24.00	24.00	30.00	24.00	22.78	30.00	24.00	30.00	22.80	20.70	306.28	300
WALDOBORO TOWN	255.68	203.91	262.23	279.31	284.60	286.93	325.76	352.04	248.16	284.60	247.83	244.82	3295.33	3363
WATERVILLE CITY	464.05	434.02	447.99	513.43	550.94	495.47	551.79	543.69	502.98	505.85	485.70	485.15	5991.06	5956
WEST GARDNER	61.45	40.21	54.57	80.28	52.64	75.68	61.83	88.55	75.08	83.46	53.10	57.99	804.84	800
WINN TOWN OF	13.37	14.10	19.88	16.62	22.33	16.91	14.06	22.33	16.51	16.73	13.54	19.44	205.82	230
WINSLOW TOWN OF	259.86	197.85	202.08	268.17	276.20	229.76	275.00	244.37	273.31	268.39	235.37	254.20	2985.56	3330
WINTER HARBOR, T	11.62	6.45	8.54	10.80	12.84	11.92	19.34	16.21	17.21	14.85	7.29	11.97	149.04	110
WINTHROP TOWN O	234.04	187.33	239.41	167.22	241.11	246.25	284.00	261.64	251.05	241.09	214.59	288.16	2856.59	3100
WISCASSET, TOWN	129.34	113.78	116.64	140.09	171.34	154.59	177.33	154.01	130.41	188.64	97.21	158.23	1731.61	2000
Class TOTAL	13275.50	11510.75	13048.57	14593.01	16157.84	15177.32	17595.19	17741.17	16135.09	15951.28	13974.06	13816.97	179176.75	
Report TOTAL	13275.50	11510.75	13048.57	14593.01	16157.84	15177.32	17595.19	17741.17	16135.09	15951.28	13974.06	13816.97	179176.75	

\*\*\* END OF REPORT \*\*\*

CUPBON/DEOPED19

COMMERCIAL

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Penobscot Energy Recovery Company  
MSW Tonnage  
Monthly Summary by Customer Class

PAGE 1

Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total C.A.T.
COMM	.00	.00	.00	.00	5.75	.00	4.06	.00	.00	.00	.00	.00	9.81
1	401.33	375.17	387.51	445.09	888.78	487.93	549.25	575.28	549.54	526.69	453.65	439.62	5675.88
2	16.08	4.25	11.33	20.05	16.42	17.84	18.26	18.88	18.51	22.58	17.27	16.23	187.70
3	3238.57	1639.26	628.32	2858.06	3183.94	3147.72	2755.44	2061.98	1842.61	2193.31	1736.51	2004.07	27389.78
4	6.77	.00	.00	.00	9.05	.00	.00	8.77	.00	.00	.00	.00	36.78
5	355.20	277.02	117.88	374.63	445.21	397.82	489.20	489.68	481.94	430.04	377.50	392.92	4789.04
6	4167.96	3275.12	1891.78	4733.02	2330.19	2174.07	2182.49	1648.16	1688.80	1906.99	2159.53	2528.36	32686.33
7	1120.19	1027.88	1043.16	1246.62	1740.87	1365.17	1639.18	1582.63	1487.36	1057.00	946.74	814.25	15641.65
8	594.05	581.15	491.21	634.23	674.59	681.38	877.04	732.99	719.69	703.66	601.67	620.85	7912.49
9	1174.86	176.59	120.64	731.11	1198.18	879.66	469.09	27.35	198.46	1244.88	1777.81	7998.77	
10	101.16	94.14	106.56	125.42	126.03	126.57	110.53	108.37	108.73	121.31	99.32	109.54	1317.68
11	103.03	67.70	84.04	89.74	108.61	114.99	122.02	146.38	131.57	123.00	94.14	87.21	1274.43
12	145.25	99.59	91.03	145.53	120.40	129.82	161.36	144.21	124.06	140.89	121.04	108.18	1531.34
13													1800
Class TOTAL	11424.33	7617.87	7173.46	11403.70	10447.58	9503.97	9377.84	7546.68	7182.81	7430.49	7852.29	8904.65	105865.67
Report TOTAL	11424.33	7617.87	7173.46	11403.70	10447.58	9503.97	9377.84	7546.68	7182.81	7430.49	7852.29	8904.65	105865.67

\*\*\* END OF REPORT \*\*\*

CUPEON/020PE019

# IN-STATE SPOT MARKET

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Penobscot Energy Recovery Company  
MSW Tonnage  
Monthly Summary by Customer Class

PAGE 1

Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total	G.A.T.
ISPT	1 42.49	21.62	40.04	75.28	106.07	51.25	95.65	66.78	94.94	98.49	51.49	76.10	820.20	500
	2 17.22	17.23	12.17	17.75	25.95	26.48	21.32	35.05	22.23	32.95	32.34	12.31	251.90	
	3 22.59	21.06	20.31	20.42	24.30	34.60	29.76	25.97	30.83	26.91	22.40	19.80	298.95	
	4 .62	2.57	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	5.27	
	5 4.09	3.55	4.28	4.75	6.73	5.95	6.50	5.21	5.32	7.39	1.02	.00	64.03	
	6 9.97	.00	11.62	12.55	11.51	12.03	13.41	14.14	.00	15.42	11.06	10.36	122.97	
	7 43.35	23.27	28.49	48.30	42.02	51.62	79.08	31.64	50.55	53.92	30.94	31.58	913.76	
Class TOTAL	140.33	88.30	116.91	179.05	216.50	181.93	245.72	178.79	204.93	235.08	134.44	155.22	2077.28	
Report TOTAL	140.33	88.30	116.91	179.05	216.50	181.93	245.72	178.79	204.93	235.08	134.44	155.22	2077.28	

\*\*\* END OF REPORT \*\*\*

MUNICIPAL - OTHER

01/02/14 14:20:35

Penobscot Energy Recovery Company  
MSW Tonnage  
Monthly Summary by Customer Class

PAGE 1

Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total G.A.T.
MUN	34.92	23.17	27.56	35.69	27.44	28.17	38.39	27.97	29.74	33.34	24.92	28.17	358.68 375
	119.51	77.62	81.57	122.87	117.90	116.67	148.47	134.98	110.48	125.38	96.83	141.17	1395.15
	34.52	22.82	24.29	27.11	34.20	26.09	25.58	31.32	25.30	30.29	15.48	21.85	318.94 325
	65.35	55.51	50.51	50.90	72.83	67.20	95.71	93.35	69.86	79.24	56.59	64.39	821.52
	20.67	10.11	7.08	15.22	17.80	15.11	18.81	10.80	12.95	20.93	17.13	9.73	176.34 192
	271.58	234.84	243.61	296.61	332.40	285.25	407.44	394.23	330.19	300.84	260.95	267.05	3625.99
	151.09	142.09	80.02	147.41	157.61	134.05	166.25	138.41	146.98	155.56	129.92	137.57	1686.06
	182.89	149.35	159.14	244.91	232.52	240.66	248.03	252.35	253.94	209.64	193.38	188.70	2551.51 2500
	22.93	19.25	22.75	25.77	27.81	33.15	25.73	35.53	28.34	35.73	21.17	22.59	320.75 260
	55.61	55.16	72.52	79.73	60.38	75.15	79.61	83.07	78.00	71.34	62.50	81.18	874.25
	3.75	1.59	3.58	3.55	1.62	5.37	7.16	6.88	3.80	5.62	3.02	3.12	47.06
	86.66	81.97	104.83	109.37	103.66	122.90	109.42	137.28	116.96	104.48	93.98	111.75	1272.66 1200
Class TOTAL	1049.48	873.48	879.46	1159.14	1185.66	1140.85	1370.60	1345.77	1204.54	1170.39	995.17	1077.27	13451.81
Report TOTAL	1049.48	873.48	879.46	1159.14	1185.66	1140.85	1370.60	1345.77	1204.54	1170.39	995.17	1077.27	13451.81

\*\*\* END OF REPORT \*\*\*

# OUT-OF-STATE SPOT MARKET

01/02/14 14:21:13

Penobscot Energy Recovery Company  
 MWh Tonnage  
 Monthly Summary by Customer Class

PAGE 1

Class Customer Name	January	February	March	April	May	June	July	August	September	October	November	December	YTD Total G.A.T.
OSPT	556.68	315.26	156.65	429.10	467.70	549.56	569.70	576.28	436.54	890.03	663.45	692.34	6303.29
Class TOTAL	556.68	315.26	156.65	429.10	467.70	549.56	569.70	576.28	436.54	890.03	663.45	692.34	6303.29
Report TOTAL	556.68	315.26	156.65	429.10	467.70	549.56	569.70	576.28	436.54	890.03	663.45	692.34	6303.29

\*\*\* END OF REPORT \*\*\*



Date: March 28, 2014  
Annual WTE Incinerator Report for Penobscot Energy Recovery Company

**ATTACHMENTS FOR FORM D**

Date: March 28, 2014

Annual WTE Incinerator Report for Penobscot Energy Recovery Company

	<b>Contract KWH</b>	<b>Off-peak KWH</b>	<b>On-Peak KWH</b>	<b>Shoulder KWH</b>	<b>Total KWH</b>		<b>TOTAL \$</b>
<b>January</b>	12,541,175	6,938	2,201	520	12,550,834	\$	1,873,344.18
<b>February</b>	8,480,803	304	330	-	8,481,437	\$	1,266,506.43
<b>March</b>	9,744,412	179,820	74,883	80,012	10,079,127	\$	1,466,409.80
<b>April</b>	13,649,460	169,574	86,668	100,364	14,006,066	\$	2,116,653.58
<b>May</b>	15,410,047	227,135	105,174	114,097	15,856,453	\$	2,390,298.15
<b>June</b>	13,928,695	177,999	76,870	92,454	14,276,018	\$	2,159,186.44
<b>July</b>	14,377,650	149,839	74,755	59,617	14,661,861	\$	2,227,998.03
<b>August</b>	14,152,170	149,481	43,979	57,357	14,402,987	\$	2,192,273.29
<b>September</b>	13,328,270	203,354	94,024	83,497	13,709,145	\$	2,067,721.52
<b>October</b>	14,627,210	265,155	168,972	136,533	15,197,870	\$	2,276,302.89
<b>November</b>	14,261,141	232,062	97,084	130,832	14,721,119	\$	2,216,141.88
<b>December</b>	14,263,305	139,950	76,978	81,342	14,561,575	\$	2,212,117.79
	158,764,338	1,901,611	901,918	936,625	162,504,492	\$	24,464,953.98
					Performance Credits	\$	-
						\$	<u>24,464,953.98</u>

Date: March 28, 2014  
Annual WTE Incinerator Report for Penobscot Energy Recovery Company

**ATTACHMENTS FOR FORM E**

Date: March 28, 2014

Annual WTE Incinerator Report for Penobscot Energy Recovery Company

Annual Report  
of  
Penobscot Energy Recovery Company, Limited Partnership  
A Limited Partnership

Statement of Operations

Year End  
December 31,  
2013

Revenues:

Electric Power Revenues 20,142,871

Waste Processing Revenues 13,683,366

{ net of performance credit  
payments and deferred  
revenue.

Total revenues 33,826,237

Operating expenses:

Supplemental fuels 1,280,679

Electric power purchase 97,649

Disposal costs 5,899,178

Operating and maintenance fees 8,590,634

Equipment and maintenance costs 10,039,595

Depreciation 3,422,045

Loss on Disposal of Assets

Real estate taxes 615,566

Insurance 348,103

Other 2,722,086

Total operating expenses 33,015,535

Operating income before interest and other  
financing costs, net and extraordinary  
item 810,702

Interest and other financing costs, net (344,551)

Net income 466,151