

MONITORING REPORT #2013-2
FOR THE GREATER NEW BEDFORD LFG
UTILIZATION PROJECT
DARTMOUTH, MASSACHUSETTS

FOR VERIFICATION PERIOD
JULY 1, 2013 THROUGH DECEMBER 31, 2013

MAY 27, 2014

Document Prepared By: CommonWealth Resource Management Corporation
For it's wholly-owned subsidiary
CommonWealth New Bedford Energy, LLC

Contact Information: Thomas Yeransian, Principal

199 Corey Street

Boston, MA 02132

Tel: (617) 327-8146 or (508) 339-3074

Project Title	Greater New Bedford LFG Utilization Project
Version	1
Report ID	138
Date of Issue	27 May 2014
Project ID	138
Monitoring Period	01-July-2013 to 31-December-2013
Prepared By	Thomas Yeransian, Principal of Commonwealth Resource Management Corporation
Contact	7 Winslow Way Mansfield, MA 02049, 508-339-3074, tyeransian@crmcx.com , www.crmcx.com

Table of Contents

1.0	Project Details
2.0	Implementation Status
3.0	Data and Parameters
4.0	Quantification of GHG Emission Reductions and Removals
Appendix A: Exhibits 1 through 7	

1.0 Project Details

1.1 Summary Description of the Implementation Status of the Project

The Project is a landfill methane (a.k.a., “landfill gas” or “LFG”) capture and utilization project located at a solid waste landfill (the “Landfill”) in Dartmouth, Massachusetts. The Landfill is owned by the Greater New Bedford Regional Refuse Management District (the “District”). The owner of the Project is Commonwealth New Bedford Energy, LLC (“CNBE”), a wholly-owned subsidiary of Commonwealth Resource Management Corporation (“CRMC”), a Massachusetts corporation based in Boston, Massachusetts, U.S.A. CNBE also owns the exclusive rights to all of the LFG at the Landfill, and all of the environmental attributes associated with the collection, destruction and use of all of the LFG at the Landfill.

The Project voluntarily captures and destroys LFG methane from the Crapo Hill Landfill located in Dartmouth, Massachusetts (latitude and longitude are 41° 43' 28.12" N and 70° 59' 04.82" W, respectively). The Project captures LFG from the expanded active collection system and destroys it either via four Caterpillar 3516 engine-generator sets or a back-up open flare. The Project achieves emissions reductions through the destruction of LFG that would otherwise have been released to the atmosphere. The back-up flare did not operate for any significant period of time during the current verification period; therefore, emission reductions are not claimed from flaring.

The Project was implemented according to the description provided in the validated PD. The Project became operational in January 2002 with the expansion of an existing active LFG collection and destruction system. Emission reductions from the current verification period were claimed for LFG collected from the expanded active LFG collection system and destructed in the Caterpillar 3516 engine-generator sets. The back-up flare had limited operation during the current verification period and no emission reductions are claimed from flaring. CRMC claims GHG emission reductions eligible under VCS program of 47,518 metric tons of CO₂e for the verification period July 1, 2013 through December 31, 2013.

1.2 Sectoral Scope and Project Type

The sectoral scope is renewable energy industry. The Project is not a grouped project.

1.3 Project Proponent

Organization name	CommonWealth Resource Management Corporation For it's wholly-owned subsidiary Commonwealth New Bedford Energy, LLC
Contact person	Thomas Yeransian
Title	Principal of CRMC
Address	199 Corey Street Boston, MA 02132
Telephone	(617) 327-8146 or (508) 339-3074
Email	tyeransian@crmcx.com

1.4 Other Entities Involved in the Project None

1.5 Project Start Date

January 1, 2002

1.6 Project Crediting Period

First Project Credit Period is a 10-year period starting March 28, 2006 and ending March 28, 2016.

1.7 Project Location

The Project is at the Crapo Hill Landfill located west of Samuel Barnet Boulevard in the northeast portion of the Town of Dartmouth, Massachusetts (latitude and longitude are 41° 43' 28.12" N and 70° 59' 04.82").

1.8 Title and Reference of Methodology

As outlined in the Project Design Document, the VCS methodology applied to the Project was UNFCCC's ACM0001 methodology (Version 9.1) – Consolidated baseline and monitoring methodology for landfill gas project activities.

1.9 Other Programs

- Emission Trading Programs and Other Binding Limits: Not Applicable.
- Other Forms of Environmental Credit: None. The Project has not sought or received another form of GHG-related environmental credit for the direct methane emissions reductions that result from the destruction of methane by the Project.
- Participation under Other GHG Programs: The Project is registered at the American Carbon Registry – Project ID of ACR 113. The emission reductions verified for this monitoring period will not be claimed under or registered on the ACR or any other registry.

2 IMPLEMENTATION STATUS

2.1 Implementation Status of the Project Activity

The project activity is in service.

The project activity operated normally during the monitoring period subject to this verification. The four engines destroyed landfill gas during the period. The back-up flare had very limited operation during the current verification period and no emission reductions are claimed from flaring.

2.2 Deviations

2.2.1 Methodology Deviations

The following methodology deviations were previously validated and approved for the Project:

- The SCADA system was programmed to calculate the methane gas flow in units of million British thermal units (MMBtu) using standardized gas flow (at 68°F and one atmosphere of pressure), methane concentration, the gross heat content (higher heating value) of methane, and the actual temperature and pressure. CNBE determined the volume of methane destroyed by converting the MMBtu values to total methane gas flow in standard cubic feet. This deviation from the monitoring methodology was previously approved by independent verifiers and had a conservative impact on the quantification of GHG emissions reductions during the verification period.
- The amount of methane destroyed in the baseline scenario, MD_{BL}, was determined by applying a 12.5 percent annual decline rate to the amount of methane destroyed in 2001, the year prior to the project activity. The declining rate was adopted to more accurately account for biological decay and loss of gas collection system effectiveness.

The Project reference conditions are 20 degrees Centigrade and 1 atmosphere rather than ACM0001 reference conditions of 0 degrees Centigrade and 1 atmosphere.

2.2.2 Project Description Deviations

None.

2.3 Grouped Project Not Applicable.

3 DATA AND PARAMETERS

3.1 Data and Parameters Available at Validation

Data / Parameter	Methane oxidation efficiency for electricity generation
Data unit	Percent
Description	Quantity of methane oxidized during combustion for electricity generation
Source of data	VCS
Value applied:	100
Purpose of the data	Baseline and emissions reductions
Comments	None

Data Unit / Parameter:	Methane oxidation efficiency for flare
Data unit:	Percent
Description:	Quantity of methane oxidized during combustion using flare
Source of data:	VCS
Value applied:	50
Purpose of the data:	Baseline and emissions reductions
Any comment:	None

Data Unit / Parameter:	Global Warming Potential Methane
Data unit:	Metric tons of CO2-equivalents per metric ton of methane
Description:	Global warming potential potency factor
Source of data:	VCS
Value applied:	21
Purpose of the data:	Convert methane to CO2-equivalents. Baseline and emissions reductions.
Any comment:	None

3.2 Data and Parameters Monitored

Data Unit / Parameter:	Methane content of LFG
Data unit:	Percent methane content of LFG
Description:	Methane content of LFG
Source of data:	SCADA System at Facility
Description of measurement methods and procedures to be applied:	Non-dispersive infrared
Frequency of monitoring/recording:	Continuous, hourly, daily
Value monitored:	Methane concentration, %
Monitoring equipment:	California Analytical 602P, Serial # S07002
QA/QC procedures to be applied:	Field calibrated once per week. A zero check and value check is performed by comparison with standard certified gas.
Purpose of the data	Calculate baseline and emissions reductions.

Data Unit / Parameter:	Methane content of LFG
Calculation method:	Used in calculation to obtain heat value of landfill gas in Btu per scf of LFG
Any comment:	CO2 and O2 are also continuously monitored using the same instrument.

Data Unit / Parameter:	Volume of LFG
Data unit:	Actual cubic feet per minute
Description:	Quantity of landfill gas used to fuel engines
Source of data:	SCADA System at Facility
Description of measurement methods and procedures to be applied:	Differential pressure measured across orifice plate
Frequency of monitoring/recording:	Continuous, hourly, daily
Value monitored:	Differential pressure
Monitoring equipment:	Oripac Model 4150, Serial #30154
QA/QC procedures to be applied:	Field calibrated once per month.
Purpose of the data	Calculate baseline and emissions reductions.
Calculation method:	Fluid flow equation (Bernoulli) calculates actual cubic feet per minute of LFG.
Any comment:	None

Data Unit / Parameter:	Temperature of LFG
Data unit:	Degrees Fahrenheit
Description:	Temperature of LFG
Source of data:	SCADA System at Facility
Description of measurement methods and procedures to be applied:	Thermocouple
Frequency of monitoring/recording:	Continuous
Value monitored:	Temperature
Monitoring equipment:	Thermocouple, Omega or equivalent
QA/QC procedures to be applied:	Field calibrated using thermometer.

Data Unit / Parameter:	Temperature of LFG
Purpose of the data	Calculate baseline and emissions reductions.
Calculation method:	Used in fluid flow equation (Bernoulli) to calculate standard cubic feet per minute from actual cubic feet per minute of LFG.
Any comment:	None

Data Unit / Parameter:	Pressure of LFG
Data unit:	PSIG
Description:	Pressure of LFG
Source of data:	SCADA System at Facility
Description of measurement methods and procedures to be applied:	Pressure transducer
Frequency of monitoring/recording:	Continuous
Value monitored:	Static pressure
Monitoring equipment:	Pressure transducer, Omega or equivalent
QA/QC procedures to be applied:	Field calibrated using pressure gauge.
Purpose of the data	Calculate baseline and emissions reductions.
Calculation method:	Used in fluid flow equation (Bernoulli) to calculate standard cubic feet per minute from actual cubic feet per minute of LFG.
Any comment:	None

Data Unit / Parameter:	Volume of LFG
Data unit:	Standard cubic feet per minute
Description:	Quantity of landfill gas combusted in flare
Source of data:	Flare station
Description of measurement methods and procedures to be applied:	Differential pressure measured across orifice plate
Frequency of monitoring/recording:	Continuous, hourly, daily
Value monitored:	Standard cubic feet per minute

Data Unit / Parameter:	Volume of LFG
Monitoring equipment:	Omega PDF65 sqrt, Serial #57493
QA/QC procedures to be applied:	Field calibrated as required when operating.
Purpose of the data	Calculate baseline and emissions reductions.
Calculation method:	Fluid flow equation (Bernoulli) calculates standard cubic feet per minute of LFG.
Any comment:	None

3.3 Monitoring Plan

Critical for the accuracy and transparency of the calculation is that:

1. Measurements of LFG flows are undertaken with reliable equipment that is regularly calibrated;
2. Sampling of Methane concentration in LFG is undertaken with reliable equipment that is regularly calibrated;
3. Sampling of Methane concentration in LFG takes place with a frequency that is sufficient to calculate average concentration factors that are statistically unbiased (i.e. they reflect the actual methane concentration of the LFG);
4. Measurements of LFG flows are undertaken at least on a monthly basis and are as frequent as necessary to apply statistically valid methane concentration factors (as described in (3), above);
5. Measurement and calibration equipment and processes and changes thereof are clearly described as part of the GHG emissions reporting process.

Unless otherwise specified through the GHG emissions reporting process, the following system is assumed to be in place.

Data measurements

Implementation of the calculation methodology described in Section 3 above requires measurement of the following two quantities:

- Volume of landfill gas collected from the Landfill.

- Methane content of the landfill gas

The volumes of landfill gas collected from the Landfill, in actual cubic feet, are measured continuously on a real-time basis with accumulating volumetric flow meters. The flow meters are located directly upstream of the Project. The specific devices used to take readings are orifice flow meters capable of measuring flows from 0 to 1,600 actual cubic feet per minute. One flow meter serves as the unit for flow meter measurements to the four engines, and one unit for flow meter measurements to the flare. Each flow meter is equipped with a totalizer that indicates the cumulative actual cubic feet of gas that have passed through that flow meter. For the engines, total flow is measured each minute and totalized and recorded each hour and day. The totalized intervals for flow to the engines are automatically converted to standard cubic feet per hourly and daily interval and stored on a computer monitoring system. For the flare, the totalized flow will be read by the operator approximately on a weekly basis, and will record the date and time of each reading.

The methane content of the landfill gas, on a percent volume basis, is measured at a sampling port in the main header pipe near the flow meter with the use of a California Analytical Instrument Non-dispersive infrared (NDIR) analyzer. The methane content is measured at the approximately the same time as readings are taken on the flow meter totalizer. The average methane content over the interval is then calculated as the average of the reading taken at the start of the interval and the reading taken at the end of the interval.

The operator typically balances the landfill gas collection wellfield on a weekly basis on the same day that the totalizer reading is taken at the flare. The operator measures and records the methane content, carbon dioxide content, oxygen content, and balance gas content. In addition, in the course of balancing the wellfield, the operator records the methane content, carbon dioxide content, oxygen content, and balance gas content at each individual well or other extraction point in the landfill gas collection system. The results of a typical component analysis of the landfill gas at the Landfill flare is provided below:

Component	Units	Value
Methane	Percent by volume	55%
Carbon dioxide	Percent by volume	40%
Oxygen	Percent by volume	0.1%
Balance gas	Percent by volume	4.9%

Organizational structure, responsibilities and competencies.

CNBE owns and manages the operations of the Facility. CNBE contracts an operating company to conduct the operations and maintenance of the Facility. The operating company employs a full time operator to conduct operations, maintenance, inspections, calibrations, monitoring and record-keeping at the facility.

Methods for generating, recording, storing, aggregating, collating and reporting data on monitored parameters.

The SCADA system creates a Microsoft Excel file that contains the hourly and daily totals of landfill gas flow, landfill gas heat value, landfill gas methane content, operating hours of each engine, gross power output of each engine, gross and net power output of the facility. This file is created each day at mid-night for the prior 24-hour period. The file is automatically stored on the SCADA system computer. This file can be accessed remotely or at the facility. The file is manually copied from in its entirety and pasted into the monthly quantification excel spreadsheet. No individual pieces of data are manually entered. The files are backed up at the Facility and off-site.

Describe procedures for handling internal auditing and non-conformities.

The monthly quantification spreadsheet calculates several key performance parameters each day that are compared a few times per week to the expected performance range of each parameter. If the calculations show a significant deviation, corrective actions are taken. Corrective actions involve repairing equipment that is performing outside its normal range or correcting data that may have been reported in error. Equipment problems and corrective actions are noted in the "Service Section" of the monthly reports. CNBE will expand the notes to fully explain the problem and corrective action to the extent necessary.

CNBE has established monthly operations meetings at the Facility with our contract operator, and the owners of CNBE. During each monthly meeting we review the prior month operations performance including the production reports, work order list, unscheduled repairs and maintenance, and routine maintenance; the current month's additions to the work orders that would prevent and correct deficiencies discovered and make overall improvements in performance of the Facility; review reports including monthly outage report, methane calibration logs, exhaust gas oxygen logs, lubricating oil logs, spare parts inventory report and others that may be relevant. In addition, we meet with the District to review with them the status of the LFG collection system performance and work required to prevent and correct deficiencies discovered and make overall improvements in performance of the system.

4 QUANTIFICATION OF GHG EMISSION REDUCTIONS AND REMOVALS

4.1 Baseline Emissions

See attached Exhibits 1 through 4.

4.2 Project Emissions

See attached Exhibits 1 through 4.

4.3 Leakage

See attached Exhibits 1 through 4.

4.4 Net GHG Emission Reductions and Removals

See attached Exhibits 1 through 4.

APPENDIX A: SEE ATTACHED EXHIBITS 1 THROUGH 6.

1. Exhibit 1 summarizes the emission reductions from methane oxidation during energy generation and flaring from July 1, 2013 through December 31, 2013.
2. Exhibit 2 provides LFG totalizer readings, and methane content readings for the period from July 1, 2013 through December 31, 2013, and calculations using the verification protocols under the VCS to obtain emission reductions from methane oxidation during energy generation.
3. Exhibit 3 provides LFG totalizer readings, and methane content readings for the periods from July 1, 2013 through December 31, 2013, and calculations using the verification protocols under the VCS to obtain emission reductions from methane oxidation during flaring.
4. Exhibit 4 provides the key factors, equations, and calculation of VCU in accordance with the approved consolidated baseline methodology ACM0001/Version 09.1 “Consolidated baseline and monitoring methodology for the landfill gas project activities” promulgated by the United Nations Framework Convention of Climate Change (UNFCCC) under the Clean Development Mechanism (CDM).
5. Exhibit 5 is a compilation of the field data logs recording the total landfill gas volumes and methane content readings for the identified reporting periods.
6. Exhibit 6 documents the calibration of the LFG flow rate and provides a compilation of methane content calibration reports for the California Analytical Analyzer for the periods.

EXHIBIT 1			
CommonWealth New Bedford Energy LLC			
Greater New Bedford LFG Utilization Project			
Dartmouth, Massachusetts			
Calculation of Verified Emission Reduction Credits in CO2 equivalent tons			
in accordance with the Project Methodology			
Key parameters used in calculations			
Parameter			VCS
Methane oxidation efficiency electricity generation			100.0%
Methane oxidation efficiency LFG flaring			50.0%
Methane, molecular weight			16
Pounds per metric ton			2,205
Gas constant (scf per lb-mole)			385
Global Warming Potential (GWP) methane			21
Summary results			
	Unit		
Electricity generation			
Start date			1-Jul-13
End date			31-Dec-13
Methane delivered	scf		129,524,785
Emission Reductions	metric tons CO2e		51,265
Flaring			
Start date			1-Jul-13
End date			31-Dec-13
Methane delivered	scf		-
Emission Reductions	metric tons CO2e		-
Subtotal			
Methane delivered	scf		129,524,785
Emission Reductions	metric tons CO2e		51,265
District Initial System			
Methane delivered	scf		9,478,615
Emission Reductions	metric tons CO2e		3,752
Total			
Emission Reductions eligible under VCS program	metric tons CO2e		47,514

EXHIBIT 2														
CommonWealth New Bedford Energy LLC														
Emission Reductions from methane oxidation during energy generation														
Physical constants:														
Methane, molecular weight (lb per lb-mole)				16					Calculation of Verified Emission Reduction in CO2 equivalent tons per the following:					
Pounds to metric ton				2,205					Verification Process: UNFCCC's CDM methodology ACM0001 (Version 9.1)					
Gas constant, scf per lb-mole				385					Standard of Verification: Verified Carbon Standard Version 3, October 8, 2013, v3.4					
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Total in period	Methane delivered to engines	Methane delivered cumulative	Methane delivered in the period	Methane delivered in the period	Methane oxidation efficiency	MD electricity, Mass methane destroyed in the period	MD electricity, Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative
mm/dd/yy	mm/dd/yy	MMBtu HHV	MMBtu HHV	MMBtu HHV	scf	scf	metric tons	metric tons	%	metric tons	metric tons	tons CO2 equivalent per ton methane	CO2 equivalent metric tons	CO2 equivalent metric tons
1-Jul-13														
1-Jul-13	31-Jul-13	22,187	-	22,187	21,923,700	21,923,700	413	413	100.0%	413	413	21	8,677	8,677
1-Aug-13	31-Aug-13	42,661	22,187	20,474	20,231,229	42,154,928	381	795	100.0%	381	795	21	8,007	16,685
1-Sep-13	30-Sep-13	63,715	42,661	21,054	20,804,442	62,959,370	392	1,187	100.0%	392	1,187	21	8,234	24,919
1-Oct-13	31-Oct-13	85,944	63,715	22,229	21,965,711	84,925,082	414	1,601	100.0%	414	1,601	21	8,694	33,613
1-Nov-13	30-Nov-13	107,730	85,944	21,786	21,527,273	106,452,354	406	2,006	100.0%	406	2,006	21	8,520	42,133
1-Dec-13	31-Dec-13	131,079	107,730	23,349	23,072,431	129,524,785	435	2,441	100.0%	435	2,441	21	9,132	51,265

EXHIBIT 3																	
CommonWealth New Bedford Energy LLC																	
Calculation of Verified Emission Reduction in CO2 equivalent tons per the Project Methodology																	
Emission Reductions from methane oxidation from LFG flaring																	
Physical constants:																	
Methane, molecular weight (lb per lb-mole)				16													
Pounds to metric ton				2,205		Calculation of Verified Emission Reduction in CO2 equivalent tons per the following											
Gas constant, scf per lb-mole				385		Verification Process: UNFCCC's CDM methodology ACM0001 (Version 9.1)											
Standard of Verification: Verified Carbon Standard Version 3, October 8, 2013, v3.4																	
Begin period - date	End period - date	Totalizer reading end period	Totalizer reading start period	Total in period	Methane delivered to flare	Methane delivered cumulative	Methane delivered in the period	Methane delivered cumulative	Methane oxidation efficiency	MD flare, Mass methane destroyed in the period	MD flare, Mass methane destroyed cumulative	Global warming potential methane	Emission reduction	Emission reduction cumulative	PE flare, Project emissions (uncontrolled emissions to atmosphere from flare)	PE flare, Project emissions cumulative (uncontrolled emissions to atmosphere from flare)	
mm/dd/yy	mm/dd/yy	MMBtu HHV	MMBtu HHV	MMBtu HHV	scf	scf	metric tons	metric tons	%	metric tons	metric tons	tons CO2 equivalent per ton methane	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons	CO2 equivalent metric tons	
1-Jul-13																	
1-Jul-13	31-Jul-13	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Aug-13	31-Aug-13	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Sep-13	30-Sep-13	-	-	0	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Oct-13	31-Oct-13	-	-	-	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Nov-13	30-Nov-13	-	-	-	-	-	0	0	50%	-	-	21	-	-	-	-	
1-Dec-13	31-Dec-13	-	-	-	-	-	0	0	50%	-	-	21	-	-	-	-	

EXHIBIT 4

Emission Reductions from the Greater New Bedford LFG Utilization Project using ACM0001 (Version 9.1) under the VCS Program

Key factors to determine baseline and emission reductions (1):								
Methane oxidation efficiency for electric generation:								100%
Methane oxidation efficiency for flare:								50%
GWP methane, Global warming potential for methane:								21
Quantity methane collected and controlled to make electricity								100%
Quantity methane collected and controlled by flare								0%
EL lfg	Indirect electricity required by baseline activity							0
ET lfg	Indirect thermal energy required by baseline activity							0
PE	Project emissions, which are indirect emissions from Project Activity							0
MD project	Methane destroyed by Project Activity							See below
MD bl	Methane destroyed in the District Initial System.							See below
MD flared	Methane destroyed by flaring = methane delivered to flare - methane emitted to atmosphere							See below
MD electricity	Methane destroyed by generation of electricity							See below
BE	Baseline emissions = (MD project-MD bl) * GWP methane + indirect emissions of baseline activity							See below
ER	Emission reductions, which is equal to BE - PE							See below
	Methane collected and delivered to engines and flare,	MD electricity,	MD flared,	MD project,	MD bl (2),	(MD project MD bl)	BE,	ER,
Year	methane metric tons	methane metric tons	methane metric tons	methane metric tons	methane metric tons	methane metric tons	CO2e metric tons	CO2e metric tons
2nd Half 2013	2,441	2,441	-	2,441	179	2,263	47,514	47,514
(1) Key factors and equations are from UNFCCC CDM document ACM0001/Version 09.1.								
(2) Calculation of MD bl in accordance with validation report shown below.								
Year	Methane delivered to flare from District Initial System, metric tons	MD bl, Methane destroyed in the District Initial System, metric tons						
2001	3,548	1,774						
2002	3,104	1,552						
2003	2,716	1,358						
2004	2,377	1,188						
2005	2,080	1,040						
2006	1,820	910						
2007	1,592	796						
2008	1,393	697						
2009	1,219	610						
2010	1,067	533						
2011	933	467						
2012	817	408						
2013	715	357						
2014	625	313						
2015	547	274						
2016	479	239						
Annual rate of decline =	0.125							

Exhibit 5

Compilation of the field data logs recording the total landfill gas volumes and methane content readings for the identified reporting periods

JULY 2013																	
CNBE Daily Reports Summary Data																	
		Monday 7/1/2013	Tuesday 7/2/2013	Wednesday 7/3/2013	Thursday 7/4/2013	Friday 7/5/2013	Saturday 7/6/2013	Sunday 7/7/2013	Monday 7/8/2013	Tuesday 7/9/2013	Wednesday 7/10/2013	Thursday 7/11/2013	Friday 7/12/2013	Saturday 7/13/2013	Sunday 7/14/2013	Monday 7/15/2013	
Landfill Gas Flow to the Engines (KSCF)		1,257	1,268	1,291	1,322	1,340	1,347	1,347	1,384	1,339	1,313	1,279	1,329	1,375	1,371	1,380	
Landfill Gas Flow to the Engines (MMBTU HHV)		677	685	700	709	717	720	720	736	714	711	701	717	730	733	743	
Landfill Gas Flow to the Flare (KSCF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)		1,257	1,268	1,291	1,322	1,340	1,347	1,347	1,384	1,339	1,313	1,279	1,329	1,375	1,371	1,380	
Landfill Gas Total Flow (MMBTU HHV)		677	685	700	709	717	720	720	736	714	711	701	717	730	733	743	
Average Methane Content (%)		53.2	53.4	53.6	53.0	52.8	52.8	52.5	52.7	53.5	54.2	53.3	52.5	52.9	52.9	53.2	
Engine 1 Hours		24	24	23	24	24	24	24	24	24	24	24	24	24	24	24	
Engine 2 Hours		24	24	24	24	24	24	24	24	24	24	23	14	-	-	13	
Engine 3 Hours		24	24	24	24	24	24	24	24	24	24	9	10	24	24	24	
Engine 4 Hours		-	-	-	-	-	-	1	-	-	-	14	24	24	24	13	
Generator 1 Power Output (kWhr)		19,635	19,840	19,560	20,102	20,104	20,091	20,093	20,104	20,104	20,102	20,103	20,104	20,110	20,108	19,908	
Generator 2 Power Output (kWhr)		19,873	20,087	20,358	20,366	20,369	20,356	20,358	20,370	20,362	20,354	19,507	11,232	-	-	9,711	
Generator 3 Power Output (kWhr)		19,735	19,945	20,209	20,217	20,218	20,206	20,208	19,922	20,206	20,201	8,153	7,947	20,198	20,201	20,207	
Generator 4 Power Output (kWhr)		-	-	-	-	-	-	-	253	-	-	11,201	20,172	20,176	20,170	10,695	
Gross Power Output (kWhr)		59,309	59,929	60,191	60,754	60,770	60,726	60,740	60,712	60,719	60,697	59,006	59,497	60,488	60,513	60,565	
Net Power Output (kWhr)		57,324	57,964	58,204	58,744	58,748	58,712	58,718	58,684	58,788	58,816	57,208	57,636	58,536	58,572	58,612	
Power Sold as metered by NStar, (kWhr)		57,124	57,761	57,992	58,528	58,522	58,530	58,536	58,469	58,593	58,626	57,038	57,471	58,368	58,374	58,427	
Offgrid RECs (kWhr)		1,985	1,966	1,986	2,011	2,022	2,015	2,022	2,028	1,931	1,881	1,798	1,860	1,953	1,941	1,953	
Calculated Performance Results																	
Daily																	
Power output (kW average when running)																	
Generator 1		818	827	850	838	838	837	837	838	838	838	838	838	838	838	830	
Generator 2		828	837	848	849	849	848	848	849	848	848	848	802	-	-	747	
Generator 3		822	831	842	842	842	842	842	830	842	842	906	795	842	842	842	
Generator 4		-	-	-	-	-	-	-	253	-	-	800	841	841	840	823	
Power output (kW average over 24-hrs)																	
Facility Gross		2,471	2,497	2,508	2,531	2,532	2,530	2,531	2,530	2,530	2,529	2,459	2,479	2,520	2,521	2,524	
Facility Net		2,389	2,415	2,425	2,448	2,448	2,446	2,447	2,445	2,450	2,451	2,384	2,402	2,439	2,441	2,442	
In-plant load		83	82	83	84	84	84	84	85	80	78	75	78	81	81	81	
Daily availability factor																	
Facility		75%	75%	74%	75%	75%	75%	75%	76%	75%	75%	73%	75%	75%	75%	77%	
Engine 1		100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 2		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	58%	0%	0%	54%	
Engine 3		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	38%	42%	100%	100%	100%	
Engine 4		0%	0%	0%	0%	0%	0%	0%	4%	0%	0%	58%	100%	100%	100%	54%	
Daily capacity factor																	
Facility		75%	76%	76%	77%	77%	77%	77%	77%	77%	77%	75%	75%	76%	76%	76%	
Engine 1		99%	100%	103%	102%	102%	101%	101%	102%	102%	102%	102%	102%	102%	102%	101%	
Engine 2		100%	101%	103%	103%	103%	103%	103%	103%	103%	103%	103%	97%	0%	0%	91%	
Engine 3		100%	101%	102%	102%	102%	102%	102%	101%	102%	102%	110%	96%	102%	102%	102%	
Engine 4		0%	0%	0%	0%	0%	0%	0%	31%	0%	0%	97%	102%	102%	102%	100%	
Cumulative by engine																	
Engine operating run hours in the month																	
Max Cumulative Available, hours		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360	
Engine 1		24	48	71	95	119	143	167	191	215	239	263	287	311	335	359	
Engine 2		24	48	72	96	120	144	168	192	216	240	263	277	277	277	290	
Engine 3		24	48	72	96	120	144	168	192	216	240	249	259	283	307	331	
Engine 4		0	0	0	0	0	0	0	1	1	1	15	39	63	87	100	
Engine operating run hours total from 0 hours																	
Engine 1	62,774	62,798	62,822	62,845	62,869	62,893	62,917	62,941	62,965	62,989	63,013	63,037	63,061	63,085	63,109	63,133	
Engine 2	59,125	59,149	59,173	59,197	59,221	59,245	59,269	59,293	59,317	59,341	59,365	59,388	59,402	59,402	59,402	59,415	
Engine 3	60,168	60,192	60,216	60,240	60,264	60,288	60,312	60,336	60,360	60,384	60,408	60,417	60,427	60,451	60,475	60,499	
Engine 4	58,589	58,589	58,589	58,589	58,589	58,589	58,589	58,589	58,590	58,590	58,590	58,604	58,628	58,652	58,676	58,689	
Cumulative availability, %		July 1, 2013 @ 00:00 hours															
Engine 1		100%	100%	99%	99%	99%	99%	99%	99%	100%	100%	100%	100%	100%	100%	100%	
Engine 2		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	89%	82%	81%	
Engine 3		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	94%	90%	91%	91%	92%	
Engine 4		0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	6%	14%	20%	26%	28%	
Engine cumulative gross output, kWhr																	
Max cumulative capacity one engine		825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1		818	1,645	2,495	3,333	4,170	5,008	5,845	6,682	7,520	8,358	9,195	10,033	10,871	11,709	12,538	
Engine 2		828	1,665	2,513	3,362	4,211	5,059	5,907	6,756	7,604	8,452	9,300	10,103	10,103	10,103	10,850	
Engine 3		822	1,653	2,495	3,338	4,180	5,022	5,864	6,694	7,536	8,378	9,284	10,078	10,920	11,762	12,604	
Engine 4		-	-	-	-	-	-	-	253	253	253	1,053	1,894	2,734	3,575	4,397	
Cumulative capacity factor, %																	
Engine 1		99%	100%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	
Engine 2		100%	101%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	94%	87%	88%	
Engine 3		100%	100%	101%	101%	101%	101%	101%	101%	101%	101%	102%	102%	102%	102%	102%	
Engine 4		0%	0%	0%	0%	0%	0%	0%	4%	3%	3%	12%	19%	25%	31%	36%	

		Monday 7/1/2013	Tuesday 7/2/2013	Wednesday 7/3/2013	Thursday 7/4/2013	Friday 7/5/2013	Saturday 7/6/2013	Sunday 7/7/2013	Monday 7/8/2013	Tuesday 7/9/2013	Wednesday 7/10/2013	Thursday 7/11/2013	Friday 7/12/2013	Saturday 7/13/2013	Sunday 7/14/2013	Monday 7/15/2013
Cumulative by Facility in month																
Max cumulative available engine run hours		96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours		72	144	215	287	359	431	503	576	648	720	790	862	934	1,006	1,080
Cumulative Availability, %		75.0%	75.0%	74.7%	74.7%	74.8%	74.8%	74.9%	75.0%	75.0%	75.0%	74.8%	74.8%	74.8%	74.9%	75.0%
Max cumulative gross output, kWhr		79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr		59,309	119,238	179,429	240,183	300,953	361,679	422,419	483,131	543,850	604,547	663,553	723,050	783,538	844,051	904,616
Cumulative Capacity Factor		74.9%	75.3%	75.5%	75.8%	76.0%	76.1%	76.2%	76.3%	76.3%	76.3%	76.2%	76.1%	76.1%	76.1%	76.1%
Cumulative fuel input, MMBtu HHV		677	1,362	2,061	2,771	3,487	4,207	4,927	5,663	6,377	7,088	7,789	8,506	9,236	9,969	10,712
Cumulative gross output, kWhr		59,309	119,238	179,429	240,183	300,953	361,679	422,419	483,131	543,850	604,547	663,553	723,050	783,538	844,051	904,616
Heat Rate																
Daily heat rate, Btu/kWe gross LHV		10,271	10,289	10,464	10,508	10,614	10,675	10,673	10,906	10,584	10,543	10,701	10,850	10,861	10,907	11,038
Daily heat rate, Btu/kWe gross HHV		11,410	11,430	11,625	11,673	11,790	11,858	11,857	12,115	11,757	11,712	11,887	12,053	12,065	12,116	12,261
Cumulative heat rate, Btu/kWe gross LHV		10,271	10,280	10,342	10,384	10,430	10,471	10,500	10,551	10,555	10,554	10,567	10,590	10,611	10,632	10,659
Cumulative heat rate, Btu/kWe gross HHV		11,410	11,420	11,489	11,535	11,587	11,632	11,665	11,721	11,725	11,724	11,738	11,764	11,788	11,811	11,841
Cumulative by Facility starting Calendar Year																
Max cumulative available engine run hours	16,896		16,992	17,088	17,184	17,280	17,376	17,472	17,568	17,664	17,760	17,856	17,952	18,048	18,144	18,240
Actual cumulative engine run hours	12,964		13,036	13,107	13,179	13,251	13,323	13,395	13,468	13,540	13,612	13,682	13,754	13,826	13,898	13,972
Cumulative Availability, %	76.7%		76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	76.6%	76.6%	76.6%	76.6%	76.6%	76.6%
Max cumulative gross output, kWhr	13,939,200		14,018,400	14,097,600	14,176,800	14,256,000	14,335,200	14,414,400	14,493,600	14,572,800	14,652,000	14,731,200	14,810,400	14,889,600	14,968,800	15,048,000
Actual cumulative gross output, kWhr	10,237,836		10,297,765	10,357,956	10,418,710	10,479,480	10,540,206	10,600,946	10,661,658	10,722,377	10,783,074	10,842,080	10,901,577	10,962,065	11,022,578	11,083,143
Cumulative Capacity Factor	73.4%		73.5%	73.5%	73.5%	73.5%	73.5%	73.5%	73.6%	73.6%	73.6%	73.6%	73.6%	73.6%	73.6%	73.7%
Cumulative fuel input, MMBtu HHV	125,982		126,667	127,366	128,076	128,792	129,512	130,232	130,968	131,682	132,393	133,094	133,811	134,541	135,274	136,017
Cumulative gross output, kWhr	10,237,836		10,297,765	10,357,956	10,418,710	10,479,480	10,540,206	10,600,946	10,661,658	10,722,377	10,783,074	10,842,080	10,901,577	10,962,065	11,022,578	11,083,143
Cumulative heat rate, Btu/kWe gross LHV	11,077		11,073	11,069	11,066	11,063	11,061	11,059	11,058	11,055	11,052	11,051	11,049	11,048	11,048	11,048
Cumulative heat rate, Btu/kWe gross HHV	12,306		12,300	12,296	12,293	12,290	12,287	12,285	12,284	12,281	12,278	12,276	12,274	12,273	12,272	12,272
Service																
Engine 1																
Engine 2																
Engine 3																
Engine 4																
Oil - oil and filter change																
Service - plugs, air filter, valve inspection and adjustment																
Precipitation																
NSTAR Power Reports																
Date		Monday 7/1/2013	Tuesday 7/2/2013	Wednesday 7/3/2013	Thursday 7/4/2013	Friday 7/5/2013	Saturday 7/6/2013	Sunday 7/7/2013	Monday 7/8/2013	Tuesday 7/9/2013	Wednesday 7/10/2013	Thursday 7/11/2013	Friday 7/12/2013	Saturday 7/13/2013	Sunday 7/14/2013	Monday 7/15/2013
Hour																
1		2,436	2,380	2,440	2,440	2,439	2,439	2,439	2,439	2,443	2,442	2,445	2,446	2,434	2,432	2,434
2		2,436	2,380	2,440	2,440	2,439	2,439	2,440	2,439	2,442	2,443	2,445	2,447	2,433	2,431	2,433
3		2,437	2,380	2,440	2,439	2,439	2,439	2,439	2,438	2,442	2,442	2,445	2,446	2,434	2,432	2,434
4		2,437	2,380	2,441	2,440	2,439	2,439	2,439	2,438	2,443	2,443	2,446	2,445	2,434	2,432	2,433
5		2,437	2,380	2,441	2,439	2,439	2,438	2,440	2,438	2,442	2,443	2,445	2,445	2,433	2,432	2,433
6		2,437	2,380	2,441	2,439	2,439	2,439	2,439	2,439	2,444	2,443	2,446	2,445	2,433	2,433	2,434
7		2,437	2,380	2,441	2,439	2,439	2,439	2,440	2,439	2,444	2,443	2,445	2,446	2,433	2,433	2,434
8		2,437	2,380	2,440	2,438	2,438	2,438	2,438	2,437	2,443	2,441	2,442	2,442	2,432	2,433	2,432
9		2,375	2,378	2,436	2,437	2,437	2,437	2,438	2,434	2,443	2,439	2,441	2,442	2,433	2,432	2,430
10		2,305	2,377	2,436	2,438	2,437	2,437	2,438	2,433	2,439	2,439	2,283	2,441	2,432	2,432	2,232
11		2,305	2,377	2,358	2,437	2,437	2,437	2,438	2,432	2,437	2,438	1,705	2,441	2,431	2,432	2,426
12		2,305	2,377	1,979	2,437	2,436	2,437	2,437	2,432	2,437	2,439	1,694	2,441	2,431	2,431	2,411
13		2,305	2,378	2,435	2,437	2,437	2,437	2,437	2,389	2,438	2,440	2,444	2,440	2,430	2,431	2,572
14		2,306	2,435	2,434	2,437	2,436	2,437	2,439	2,434	2,438	2,440	2,444	1,816	2,430	2,431	2,452
15		2,306	2,436	2,434	2,437	2,437	2,438	2,438	2,435	2,439	2,440	2,444	1,980	2,431	2,431	2,440
16		2,379	2,438	2,435	2,438	2,438	2,438	2,439	2,436	2,438	2,440	2,447	2,433	2,432	2,432	2,443
17		2,381	2,441	2,439	2,438	2,438	2,440	2,439	2,439	2,440	2,446	2,447	2,433	2,432	2,433	2,445
18		2,381	2,441	2,440	2,439	2,438	2,440	2,439	2,442	2,444	2,446	2,448	2,435	2,431	2,433	2,445
19		2,381	2,441	2,441	2,440	2,440	2,440	2,440	2,442	2,443	2,447	2,447	2,435	2,432	2,433	2,444
20		2,381	2,441	2,441	2,440	2,441	2,441	2,441	2,443	2,444	2,446	2,447	2,435	2,432	2,433	2,445
21		2,380	2,441	2,441	2,441	2,440	2,441	2,441	2,444	2,443	2,446	2,448	2,435	2,431	2,433	2,445
22		2,380	2,440	2,440	2,440	2,440	2,441	2,440	2,443	2,442	2,445	2,447	2,434	2,431	2,433	2,444
23		2,380	2,440	2,439	2,439	2,440	2,440	2,439	2,442	2,443	2,445	2,447	2,434	2,432	2,433	2,443
24		2,380	2,440	2,440	2,439	2,439	2,439	2,439	2,442	2,442	2,446	2,446	2,434	2,431	2,433	2,443
TOTAL		57,124	57,761	57,992	58,528	58,522	58,530	58,536	58,469	58,593	58,626	57,038	57,471	58,368	58,374	58,427
Cumulative Output Sold, kWhr		57,124	114,885	172,877	231,405	289,927	348,457	406,993	465,462	524,055	582,681	639,719	697,190	755,558	813,932	872,359
Transformer and line efficiency		99.7%	99.6%	99.6%	99.6%	99.6%	99.7%	99.7%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%
Hourly average		2,380	2,407	2,416	2,439	2,438	2,439	2,439	2,436	2,441	2,443	2,377	2,395	2,432	2,432	2,434

JULY 2013																		
CNBE Daily Reports Summary Data																		
		Tuesday 7/16/2013	Wednesday 7/17/2013	Thursday 7/18/2013	Friday 7/19/2013	Saturday 7/20/2013	Sunday 7/21/2013	Monday 7/22/2013	Tuesday 7/23/2013	Wednesday 7/24/2013	Thursday 7/25/2013	Friday 7/26/2013	Saturday 7/27/2013	Sunday 7/28/2013	Monday 7/29/2013	Tuesday 7/30/2013	Wednesday 7/31/2013	TOTAL
Landfill Gas Flow to the Engines (K)		1,402	1,382	1,374	1,348	1,370	1,368	1,434	1,365	1,388	1,400	1,352	1,382	1,372	1,356	1,364	1,285	41,882
Landfill Gas Flow to the Engines (M)		748	732	728	717	723	722	730	716	719	719	705	711	711	698	711	686	22,187
Landfill Gas Flow to the Flare (KSC)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MME)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)		1,402	1,382	1,374	1,348	1,370	1,368	1,434	1,365	1,388	1,400	1,352	1,382	1,372	1,356	1,364	1,285	41,882
Landfill Gas Total Flow (MMBTU Hr)		748	732	728	717	723	722	730	716	719	719	705	711	711	698	711	686	22,187
Average Methane Content (%)		52.7	52.3	52.4	52.6	52.1	52.1	50.3	51.8	51.2	50.7	51.5	50.8	51.2	50.9	51.5	52.7	52.3
Engine 1 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	743
Engine 2 Hours		24	24	24	24	24	24	8	-	-	-	-	-	-	-	-	-	442
Engine 3 Hours		24	23	25	24	24	24	24	24	24	24	24	24	24	24	24	24	715
Engine 4 Hours		1	-	-	-	-	-	16	24	24	24	24	24	24	24	24	21	330
Generator 1 Power Output (kWhr)		20,084	20,115	19,931	20,101	20,101	20,067	19,905	20,099	20,124	19,986	19,923	20,099	20,127	19,914	18,948	19,334	618,926
Generator 2 Power Output (kWhr)		20,340	20,369	20,179	20,360	20,359	20,325	6,542	-	-	-	-	-	-	-	-	-	371,777
Generator 3 Power Output (kWhr)		20,193	20,222	20,031	20,212	20,213	20,179	19,995	20,189	20,219	19,986	20,113	20,186	20,215	20,204	20,204	19,666	599,800
Generator 4 Power Output (kWhr)		89	-	-	-	-	-	13,328	20,156	20,183	19,959	19,986	20,159	20,188	20,175	20,173	17,269	274,332
Gross Power Output (kWhr)		60,787	60,789	60,224	60,746	60,760	60,658	59,794	60,451	60,535	59,837	59,907	60,435	60,537	60,286	59,331	56,278	1,865,971
Net Power Output (kWhr)		58,816	58,780	58,256	58,744	58,776	58,678	57,728	58,560	58,600	57,896	58,012	58,540	58,644	58,352	57,416	54,492	1,805,556
Power Sold as metered by NStar, (kWhr)		58,678	58,558	58,081	58,577	58,599	58,501	57,605	58,416	58,369	57,748	57,871	58,419	58,429	58,180	57,236	54,348	1,799,974
Offgrid REC's (kWhr)		1,972	2,009	1,968	2,002	1,984	1,981	2,066	1,891	1,935	1,941	1,895	1,895	1,893	1,934	1,915	1,786	60,419
Calculated Performance Results																		
Daily																		
Power output (kW average whe																		
Generator 1		837	838	830	838	838	836	829	837	839	833	830	837	839	830	790	806	
Generator 2		848	849	841	848	849	847	818	-	-	-	-	-	-	-	-	-	
Generator 3		841	879	801	842	842	841	833	841	842	833	838	841	842	842	842	819	
Generator 4		89	-	-	-	-	-	833	840	841	832	833	840	841	841	841	822	
Power output (kW average over																		
Facility Gross		2,533	2,533	2,509	2,531	2,532	2,527	2,491	2,519	2,522	2,493	2,496	2,518	2,522	2,512	2,472	2,345	
Facility Net		2,451	2,449	2,427	2,448	2,449	2,445	2,405	2,440	2,442	2,412	2,417	2,439	2,444	2,431	2,392	2,271	
In-plant load		82	84	82	83	83	83	86	79	81	81	79	79	79	81	80	74	
Daily availability factor																		
Facility		76%	74%	76%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	72%	
Engine 1		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 2		100%	100%	100%	100%	100%	100%	33%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Engine 3		100%	96%	104%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 4		4%	0%	0%	0%	0%	0%	67%	100%	100%	100%	100%	100%	100%	100%	100%	88%	
Daily capacity factor																		
Facility		77%	77%	76%	77%	77%	77%	75%	76%	76%	76%	76%	76%	76%	76%	75%	71%	
Engine 1		101%	102%	101%	102%	102%	101%	101%	102%	102%	101%	101%	102%	102%	101%	96%	98%	
Engine 2		103%	103%	102%	103%	103%	103%	99%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Engine 3		102%	107%	97%	102%	102%	102%	101%	102%	102%	101%	102%	102%	102%	102%	102%	99%	
Engine 4		11%	0%	0%	0%	0%	0%	101%	102%	102%	101%	101%	102%	102%	102%	102%	100%	
Cumulative by engine																		
Engine operating run hours in t																		
Max Cumulative Available, t		384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	744	
Engine 1		383	407	431	455	479	503	527	551	575	599	623	647	671	695	719	743	
Engine 2		314	338	362	386	410	434	442	442	442	442	442	442	442	442	442	442	
Engine 3		355	378	403	427	451	475	499	523	547	571	595	619	643	667	691	715	
Engine 4		101	101	101	101	101	101	117	141	165	189	213	237	261	285	309	333	
Engine operating run hours tota																		
Engine 1		63,157	63,181	63,205	63,229	63,253	63,277	63,301	63,325	63,349	63,373	63,397	63,421	63,445	63,469	63,493	63,469	
Engine 2		59,439	59,463	59,487	59,511	59,535	59,559	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	
Engine 3		60,523	60,546	60,571	60,595	60,619	60,643	60,667	60,691	60,715	60,739	60,763	60,787	60,811	60,835	60,859	60,835	
Engine 4		58,690	58,690	58,690	58,690	58,690	58,690	58,706	58,730	58,754	58,778	58,802	58,826	58,850	58,874	58,898	58,871	
Cumulative availability, %																		
Engine 1		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	93%	
Engine 2		82%	83%	84%	85%	85%	86%	84%	80%	77%	74%	71%	68%	66%	64%	61%	59%	
Engine 3		92%	93%	93%	94%	94%	95%	95%	95%	95%	95%	95%	96%	96%	96%	96%	90%	
Engine 4		26%	25%	23%	22%	21%	20%	22%	26%	29%	32%	34%	37%	39%	41%	43%	38%	
Engine cumulative gross output																		
Max cumulative capacity on		13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	23,925	
Engine 1		13,375	14,213	15,044	15,881	16,719	17,555	18,384	19,222	20,060	20,893	21,723	22,551	23,399	24,229	25,018	24,205	
Engine 2		11,697	12,546	13,387	14,235	15,083	15,930	16,748	17,548	18,348	19,148	19,948	20,748	21,548	22,348	23,148	21,948	
Engine 3		13,445	14,324	15,125	15,968	16,810	17,651	18,484	19,325	20,167	21,008	21,838	22,679	23,522	24,363	25,205	24,341	
Engine 4		4,486	4,486	4,486	4,486	4,486	4,486	5,319	6,159	7,000	7,832	8,665	9,504	10,346	11,186	12,027	11,168	
Cumulative capacity factor, %																		
Engine 1		101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	
Engine 2		89%	89%	90%	91%	91%	92%	92%	88%	85%	81%	78%	75%	73%	70%	68%	70%	
Engine 3		102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	
Engine 4		34%	32%	30%	29%	27%	26%	29%	32%	35%	38%	40%	43%	45%	47%	49%	47%	

		Tuesday 7/16/2013	Wednesday 7/17/2013	Thursday 7/18/2013	Friday 7/19/2013	Saturday 7/20/2013	Sunday 7/21/2013	Monday 7/22/2013	Tuesday 7/23/2013	Wednesday 7/24/2013	Thursday 7/25/2013	Friday 7/26/2013	Saturday 7/27/2013	Sunday 7/28/2013	Monday 7/29/2013	Tuesday 7/30/2013	Wednesday 7/31/2013	TOTAL
Cumulative by Facility in month																		
Max cumulative available engine run h		1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,976	
Actual cumulative engine run h		1,153	1,224	1,297	1,369	1,441	1,513	1,585	1,657	1,729	1,801	1,873	1,945	2,017	2,089	2,161	2,233	
Cumulative Availability, %		75.1%	75.0%	75.1%	75.1%	75.1%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	74.9%	
Max cumulative gross output, kWh		1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,455,200	
Actual cumulative gross output, kWh		965,403	1,026,192	1,086,416	1,147,162	1,207,922	1,268,580	1,328,374	1,388,825	1,449,360	1,509,197	1,569,104	1,629,539	1,690,076	1,750,362	1,809,693	1,869,354	
Cumulative Capacity Factor		76.2%	76.2%	76.2%	76.2%	76.3%	76.3%	76.2%	76.2%	76.3%	76.2%	76.2%	76.2%	76.2%	76.2%	76.2%	76.0%	
Cumulative fuel input, MMBtu H		11,460	12,192	12,920	13,637	14,360	15,082	15,811	16,527	17,246	17,965	18,670	19,381	20,092	20,790	21,501	22,207	
Cumulative gross output, kWh		965,403	1,026,192	1,086,416	1,147,162	1,207,922	1,268,580	1,328,374	1,388,825	1,449,360	1,509,197	1,569,104	1,629,539	1,690,076	1,750,362	1,809,693	1,869,354	
Heat Rate																		
Daily heat rate, Btu/kWe gross		11,079	10,840	10,882	10,625	10,712	10,712	10,983	10,659	10,694	10,812	10,594	10,591	10,573	10,429	10,782	10,973	
Daily heat rate, Btu/kWe net		12,307	12,042	12,088	11,803	11,899	11,899	12,200	11,841	11,880	12,010	11,789	11,765	11,745	11,585	11,977	12,189	
Cumulative heat rate, Btu/kWe gross		10,686	10,695	10,705	10,701	10,702	10,702	10,715	10,712	10,712	10,716	10,711	10,706	10,702	10,692	10,695	10,710	
Cumulative heat rate, Btu/kWe net		11,871	11,881	11,892	11,887	11,888	11,889	11,903	11,900	11,899	11,904	11,898	11,893	11,888	11,878	11,881	11,898	
Cumulative by Facility starting 7/1/2013																		
Max cumulative available engine run h		18,336	18,432	18,528	18,624	18,720	18,816	18,912	19,008	19,104	19,200	19,296	19,392	19,488	19,584	19,680	19,776	
Actual cumulative engine run h		14,045	14,116	14,189	14,261	14,333	14,405	14,477	14,549	14,621	14,693	14,765	14,837	14,909	14,981	15,053	15,125	
Cumulative Availability, %		76.6%	76.6%	76.6%	76.6%	76.6%	76.6%	76.5%	76.5%	76.5%	76.5%	76.5%	76.5%	76.5%	76.5%	76.5%	76.5%	
Max cumulative gross output, kWh		15,127,200	15,206,400	15,285,600	15,364,800	15,444,000	15,523,200	15,602,400	15,681,600	15,760,800	15,840,000	15,919,200	15,998,400	16,077,600	16,156,800	16,236,000	16,315,200	
Actual cumulative gross output, kWh		11,143,930	11,204,719	11,264,943	11,325,689	11,386,449	11,447,107	11,506,901	11,567,352	11,627,887	11,687,724	11,747,631	11,808,066	11,868,603	11,928,889	11,988,220	12,048,111	
Cumulative Capacity Factor		73.7%	73.7%	73.7%	73.7%	73.7%	73.7%	73.8%	73.8%	73.8%	73.8%	73.8%	73.8%	73.8%	73.8%	73.8%	73.8%	
Cumulative fuel input, MMBtu H		136,765	137,497	138,225	138,942	139,665	140,387	141,116	141,832	142,551	143,270	143,975	144,696	145,397	146,095	146,806	147,507	
Cumulative gross output, kWh		11,143,930	11,204,719	11,264,943	11,325,689	11,386,449	11,447,107	11,506,901	11,567,352	11,627,887	11,687,724	11,747,631	11,808,066	11,868,603	11,928,889	11,988,220	12,048,111	
Cumulative heat rate, Btu/kWe gross		11,048	11,047	11,046	11,043	11,042	11,040	11,040	11,038	11,036	11,035	11,033	11,030	11,028	11,025	11,024	11,022	
Cumulative heat rate, Btu/kWe net		12,273	12,271	12,270	12,268	12,266	12,264	12,264	12,261	12,259	12,258	12,256	12,253	12,251	12,247	12,246	12,250	
Service																		
Engine 1																		
Engine 2																		
Engine 3																		
Engine 4																		
Oil - oil and filter change																		
Service - plugs, air filter, valve inspection																		
Precipitation																		
NTSTAR Power Reports																		
Date		Tuesday 7/16/2013	Wednesday 7/17/2013	Thursday 7/18/2013	Friday 7/19/2013	Saturday 7/20/2013	Sunday 7/21/2013	Monday 7/22/2013	Tuesday 7/23/2013	Wednesday 7/24/2013	Thursday 7/25/2013	Friday 7/26/2013	Saturday 7/27/2013	Sunday 7/28/2013	Monday 7/29/2013	Tuesday 7/30/2013	Wednesday 7/31/2013	TOTAL
Hour																		
1		2,443	2,442	2,443	2,443	2,443	2,442	2,421	2,434	2,435	2,432	2,376	2,434	2,435	2,434	2,385	2,387	
2		2,443	2,442	2,443	2,444	2,442	2,442	2,420	2,434	2,435	2,432	2,376	2,435	2,435	2,435	2,386	2,388	
3		2,442	2,442	2,443	2,443	2,443	2,441	2,419	2,434	2,435	2,434	2,376	2,435	2,435	2,435	2,386	2,388	
4		2,442	2,442	2,443	2,443	2,443	2,441	2,416	2,435	2,435	2,434	2,376	2,435	2,435	2,436	2,386	2,388	
5		2,443	2,443	2,443	2,443	2,443	2,441	2,417	2,435	2,435	2,434	2,377	2,436	2,436	2,435	2,387	2,389	
6		2,443	2,443	2,444	2,444	2,444	2,440	2,417	2,435	2,435	2,435	2,377	2,436	2,435	2,436	2,388	878	
7		2,443	2,443	2,444	2,444	2,443	2,441	2,416	2,436	2,435	2,435	2,377	2,436	2,435	2,436	2,388	2,440	
8		2,442	2,441	2,443	2,443	2,442	2,441	2,406	2,436	2,434	2,435	2,377	2,434	2,435	2,434	2,387	2,434	
9		2,439	2,436	1,924	2,437	2,440	2,441	2,240	2,434	2,429	2,432	2,375	2,434	2,435	2,433	2,381	2,432	
10		2,438	2,435	2,439	2,436	2,440	2,441	2,336	2,432	2,428	2,429	2,406	2,432	2,435	2,430	2,380	2,431	
11		2,499	2,435	2,439	2,437	2,439	2,440	2,402	2,431	2,427	2,428	2,434	2,433	2,435	2,429	2,381	2,431	
12		2,439	2,435	2,437	2,436	2,439	2,439	2,417	2,430	2,427	2,428	2,433	2,433	2,435	2,429	2,381	2,357	
13		2,460	2,434	2,437	2,435	2,440	2,439	2,430	2,431	2,426	2,428	2,433	2,433	2,434	2,428	2,381	1,613	
14		2,439	2,435	2,437	2,434	2,439	2,438	2,429	2,431	2,429	2,384	2,433	2,432	2,433	2,428	2,381	1,612	
15		2,440	2,434	2,437	2,436	2,440	2,439	2,430	2,432	2,429	2,370	2,433	2,433	2,434	2,428	2,381	1,835	
16		2,440	2,435	2,441	2,440	2,440	2,439	2,434	2,435	2,430	2,371	2,433	2,433	2,434	2,430	2,385	2,437	
17		2,443	2,440	2,441	2,440	2,442	2,439	2,434	2,435	2,434	2,375	2,435	2,433	2,434	2,433	2,386	2,438	
18		2,443	2,442	2,443	2,443	2,444	2,440	2,435	2,434	2,376	2,436	2,436	2,434	2,434	2,432	2,387	2,439	
19		2,443	2,442	2,444	2,442	2,442	2,441	2,435	2,436	2,434	2,376	2,435	2,435	2,435	2,432	2,387	2,439	
20		2,444	2,444	2,444	2,443	2,442	2,441	2,435	2,435	2,434	2,376	2,435	2,435	2,435	2,427	2,386	2,439	
21		2,443	2,444	2,444	2,443	2,443	2,430	2,434	2,435	2,433	2,376	2,434	2,434	2,434	2,385	2,386	2,439	
22		2,443	2,443	2,443	2,443	2,442	2,425	2,434	2,435	2,432	2,376	2,435	2,434	2,434	2,385	2,386	2,438	
23		2,442	2,443	2,442	2,442	2,441	2,419	2,434	2,435	2,432	2,376	2,434	2,435	2,433	2,385	2,387	2,438	
24		2,442	2,443	2,443	2,443	2,443	2,421	2,434	2,435	2,432	2,376	2,435	2,435	2,434	2,385	2,387	2,438	
TOTAL		58,678	58,558	58,081	58,577	58,599	58,501	57,605	58,416	58,369	57,748	57,871	58,419	58,429	58,180	57,236	54,348	
Cumulative Output Sold, kW		931,037	989,595	1,047,676	1,106,253	1,164,852	1,223,353	1,280,958	1,339,374	1,397,743	1,455,491	1,513,362	1,571,781	1,630,210	1,688,390	1,745,626	1,799,974	
Transformer and line efficiency		99.8%	99.8%	99.7%	99.7%	99.7%	99.7%	99.8%	99.8%	99.6%	99.7%	99.8%	99.8%	99.8%	99.7%	99.7%	99.7%	0.0%
Hourly average		2,445	2,440	2,420	2,441	2,442	2,438	2,400	2,434	2,432	2,406	2,411	2,434	2,435	2,424	2,385	2,265	2,419

AUGUST 2013																
CNBE Daily Reports Summary Data																
		Thursday 8/1/2013	Friday 8/2/2013	Saturday 8/3/2013	Sunday 8/4/2013	Monday 8/5/2013	Tuesday 8/6/2013	Wednesday 8/7/2013	Thursday 8/8/2013	Friday 8/9/2013	Saturday 8/10/2013	Sunday 8/11/2013	Monday 8/12/2013	Tuesday 8/13/2013	Wednesday 8/14/2013	Thursday 8/15/2013
Landfill Gas Flow to the Engines (KSCF)		1,336	1,340	1,320	1,354	1,358	1,373	1,368	1,356	1,356	1,356	1,356	1,356	1,340	1,294	1,377
Landfill Gas Flow to the Engines (MMBTU HHV)		710	709	692	710	711	716	716	711	711	711	711	711	711	685	718
Landfill Gas Flow to the Flare (KSCF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MMBTU HHV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)		1,336	1,340	1,320	1,354	1,358	1,373	1,368	1,356	1,356	1,356	1,356	1,356	1,340	1,294	1,377
Landfill Gas Total Flow (MMBTU HHV)		710	709	692	710	711	716	716	711	711	711	711	711	711	685	718
Average Methane Content (%)		52.5	52.3	51.8	51.8	51.7	51.5	51.7	51.8	51.8	51.8	51.8	51.8	52.4	52.3	51.5
Engine 1 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	23	12
Engine 2 Hours		-	-	-	-	-	-	-	-	-	-	-	-	-	15	24
Engine 3 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	23	24
Engine 4 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	9	13
Generator 1 Power Output (kWhr)		20,111	20,111	20,111	20,110	20,097	20,126	20,112	20,113	20,113	20,113	20,113	20,113	20,111	19,426	9,710
Generator 2 Power Output (kWhr)		-	38	-	-	-	-	-	-	-	-	-	-	-	11,795	20,101
Generator 3 Power Output (kWhr)		20,202	20,116	20,199	20,202	20,185	20,215	20,200	20,200	20,200	20,200	20,200	20,200	20,201	19,254	19,993
Generator 4 Power Output (kWhr)		20,172	20,171	20,171	20,172	20,157	20,187	20,173	20,170	20,170	20,170	20,170	20,170	20,173	7,495	10,142
Gross Power Output (kWhr)		60,474	60,436	60,496	60,503	60,448	60,525	60,476	60,490	60,490	60,490	60,490	60,490	60,476	58,000	59,977
Net Power Output (kWhr)		58,592	58,476	58,508	58,516	58,440	58,476	58,436	58,476	58,476	58,476	58,476	58,476	58,488	56,232	58,020
Power Sold as metered by NStar, (kWhr)		58,445	58,325	58,345	58,354	58,330	58,291	58,298	58,315	58,319	58,332	58,365	58,320	58,349	56,085	57,781
Offgrid RECs (kWhr)		1,882	1,960	1,988	1,987	2,008	2,049	2,040	2,014	2,014	2,014	2,014	2,014	1,988	1,768	1,957
Calculated Performance Results																
Daily																
	Power output (kW average when running)															
	Generator 1	838	838	838	838	837	839	838	838	838	838	838	838	838	845	809
	Generator 2	-	-	-	-	-	-	-	-	-	-	-	-	-	786	838
	Generator 3	842	838	842	842	841	842	842	842	842	842	842	842	842	837	833
	Generator 4	841	840	840	841	840	841	841	840	840	840	840	840	840	833	780
	Power output (kW average over 24-hrs)															
	Facility Gross	2,520	2,518	2,521	2,521	2,519	2,522	2,520	2,520	2,520	2,520	2,520	2,520	2,520	2,417	2,499
	Facility Net	2,441	2,437	2,438	2,438	2,435	2,437	2,435	2,437	2,437	2,437	2,437	2,437	2,437	2,343	2,418
	In-plant load	78	82	83	83	84	85	85	84	84	84	84	84	83	74	82
	Daily availability factor															
	Facility	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	73%	76%
	Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	50%
	Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	63%	100%
	Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	100%
	Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	38%	54%
	Daily capacity factor															
	Facility	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	73%	76%
	Engine 1	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	98%
	Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	95%	102%
	Engine 3	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	101%	101%
	Engine 4	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	101%	95%
Cumulative by engine																
	Engine operating run hours in the month															
	Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
	Engine 1	24	48	72	96	120	144	168	192	216	240	264	288	312	335	347
	Engine 2	0	0	0	0	0	0	0	0	0	0	0	0	0	15	39
	Engine 3	24	48	72	96	120	144	168	192	216	240	264	288	312	335	359
	Engine 4	24	48	72	96	120	144	168	192	216	240	264	288	312	321	334
	Engine operating run hours total from 0 hours															
	Engine 1	63,517	63,541	63,565	63,589	63,613	63,637	63,661	63,685	63,709	63,733	63,757	63,781	63,805	63,829	63,864
	Engine 2	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,567	59,582	59,606
	Engine 3	60,883	60,907	60,931	60,955	60,979	61,003	61,027	61,051	61,075	61,099	61,123	61,147	61,171	61,195	61,242
	Engine 4	58,919	58,943	58,967	58,991	59,015	59,039	59,063	59,087	59,111	59,135	59,159	59,183	59,207	59,231	59,240
	Cumulative availability, %	August 1, 2013 @ 00:00 hours														
	Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%
	Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	11%
	Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	93%
	Engine cumulative gross output, kWhr															
	Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375
	Engine 1	838	1,676	2,514	3,352	4,189	5,028	5,866	6,704	7,542	8,380	9,218	10,056	10,894	11,739	12,548
	Engine 2	-	-	-	-	-	-	-	-	-	-	-	-	-	786	1,624
	Engine 3	842	1,680	2,522	3,363	4,204	5,047	5,888	6,730	7,572	8,413	9,255	10,097	10,938	11,775	12,609
	Engine 4	841	1,681	2,521	3,362	4,202	5,043	5,883	6,724	7,564	8,405	9,245	10,086	10,926	11,759	12,539
	Cumulative capacity factor, %															
	Engine 1	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	101%
	Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%	13%
	Engine 3	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%
	Engine 4	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	102%	101%

		Thursday 8/1/2013	Friday 8/2/2013	Saturday 8/3/2013	Sunday 8/4/2013	Monday 8/5/2013	Tuesday 8/6/2013	Wednesday 8/7/2013	Thursday 8/8/2013	Friday 8/9/2013	Saturday 8/10/2013	Sunday 8/11/2013	Monday 8/12/2013	Tuesday 8/13/2013	Wednesday 8/14/2013	Thursday 8/15/2013
Cumulative by Facility in month																
Max cumulative available engine run hours		96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours		72	144	216	288	360	432	504	576	648	720	792	864	936	1,006	1,079
Cumulative Availability, %		75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	74.9%	74.9%
Max cumulative gross output, kWhr		79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr		60,474	120,910	181,406	241,909	302,357	362,882	423,358	483,848	544,338	604,828	665,318	725,808	786,284	844,284	904,261
Cumulative Capacity Factor		76.4%	76.3%	76.3%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.1%	76.1%
Cumulative fuel input, MMBtu HHV		710	1,419	2,111	2,821	3,532	4,248	4,964	5,675	6,386	7,097	7,808	8,519	9,230	9,915	10,633
Cumulative gross output, kWhr		60,474	120,910	181,406	241,909	302,357	362,882	423,358	483,848	544,338	604,828	665,318	725,808	786,284	844,284	904,261
Heat Rate																
Daily heat rate, Btu/kWe gross LHV		10,569	10,561	10,297	10,564	10,588	10,649	10,658	10,581	10,581	10,581	10,581	10,581	10,583	10,632	10,776
Daily heat rate, Btu/kWe gross HHV		11,741	11,731	11,439	11,735	11,762	11,830	11,839	11,754	11,754	11,754	11,754	11,754	11,757	11,810	11,971
Cumulative heat rate, Btu/kWe gross LHV		10,569	10,565	10,475	10,498	10,516	10,538	10,555	10,558	10,561	10,563	10,564	10,566	10,567	10,572	10,585
Cumulative heat rate, Btu/kWe gross HHV		11,741	11,736	11,637	11,661	11,682	11,706	11,725	11,729	11,732	11,734	11,736	11,737	11,739	11,744	11,759
Cumulative by Facility starting Calendar Year																
Max cumulative available engine run hours		19,680	19,776	19,872	19,968	20,064	20,160	20,256	20,352	20,448	20,544	20,640	20,736	20,832	20,928	21,024
Actual cumulative engine run hours		15,050	15,122	15,194	15,266	15,338	15,410	15,482	15,554	15,626	15,698	15,770	15,842	15,914	15,984	16,057
Cumulative Availability, %		76.5%	76.5%	76.5%	76.5%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%	76.4%
Max cumulative gross output, kWhr		16,236,000	16,315,200	16,394,400	16,473,600	16,552,800	16,632,000	16,711,200	16,790,400	16,869,600	16,948,800	17,028,000	17,107,200	17,186,400	17,265,600	17,344,800
Actual cumulative gross output, kWhr		11,985,355	12,045,791	12,106,287	12,166,790	12,227,238	12,287,763	12,348,239	12,408,729	12,469,219	12,529,709	12,590,199	12,650,689	12,711,165	12,769,165	12,829,142
Cumulative Capacity Factor		73.8%	73.8%	73.8%	73.9%	73.9%	73.9%	73.9%	73.9%	73.9%	73.9%	73.9%	73.9%	74.0%	74.0%	74.0%
Cumulative fuel input, MMBtu HHV		146,793	147,502	148,194	148,904	149,615	150,331	151,047	151,758	152,469	153,180	153,891	154,602	155,313	155,998	156,716
Cumulative gross output, kWhr		11,985,355	12,045,791	12,106,287	12,166,790	12,227,238	12,287,763	12,348,239	12,408,729	12,469,219	12,529,709	12,590,199	12,650,689	12,711,165	12,769,165	12,829,142
Cumulative heat rate, Btu/kWe gross LHV		11,025	11,023	11,019	11,017	11,015	11,013	11,011	11,009	11,007	11,005	11,003	11,001	10,999	10,997	10,996
Cumulative heat rate, Btu/kWe gross HHV		12,248	12,245	12,241	12,239	12,236	12,234	12,232	12,230	12,228	12,225	12,223	12,221	12,219	12,217	12,216
Service																
Engine 1																
Engine 2																
Engine 3																
Engine 4																
Oil - oil and filter change																
Service - plugs, air filter, valve inspection and adjustment																
Precipitation																
NSTAR Power Reports																
Date		Thursday 8/1/2013	Friday 8/2/2013	Saturday 8/3/2013	Sunday 8/4/2013	Monday 8/5/2013	Tuesday 8/6/2013	Wednesday 8/7/2013	Thursday 8/8/2013	Friday 8/9/2013	Saturday 8/10/2013	Sunday 8/11/2013	Monday 8/12/2013	Tuesday 8/13/2013	Wednesday 8/14/2013	Thursday 8/15/2013
Hour																
1		2,439	2,437	2,431	2,431	2,433	2,433	2,429	2,432	2,430	2,431	2,432	2,433	2,432	2,433	2,447
2		2,438	2,438	2,432	2,432	2,433	2,434	2,430	2,433	2,430	2,430	2,434	2,433	2,432	2,433	2,449
3		2,439	2,438	2,431	2,433	2,433	2,434	2,430	2,432	2,430	2,430	2,434	2,433	2,433	2,433	2,449
4		2,439	2,437	2,431	2,433	2,433	2,434	2,430	2,433	2,431	2,430	2,433	2,434	2,433	2,433	2,449
5		2,440	2,438	2,432	2,434	2,434	2,434	2,430	2,431	2,430	2,431	2,434	2,434	2,434	2,432	2,450
6		2,440	2,437	2,431	2,434	2,434	2,434	2,431	2,432	2,430	2,432	2,434	2,433	2,434	2,432	2,450
7		2,439	2,438	2,432	2,434	2,434	2,435	2,431	2,432	2,431	2,432	2,434	2,433	2,434	2,433	2,449
8		2,438	2,439	2,431	2,433	2,432	2,433	2,429	2,433	2,430	2,433	2,433	2,434	2,432	2,433	2,446
9		2,433	2,434	2,432	2,430	2,428	2,428	2,426	2,430	2,430	2,430	2,431	2,429	2,427	2,097	2,439
10		2,431	2,434	2,431	2,430	2,425	2,426	2,425	2,427	2,426	2,430	2,430	2,427	2,428	903	2,428
11		2,430	2,430	2,431	2,430	2,426	2,424	2,426	2,427	2,427	2,430	2,430	2,426	2,427	2,427	2,429
12		2,430	2,425	2,431	2,429	2,426	2,425	2,426	2,426	2,427	2,429	2,430	2,426	2,427	2,119	2,000
13		2,430	2,375	2,431	2,430	2,426	2,425	2,425	2,425	2,428	2,429	2,430	2,425	2,427	2,245	2,065
14		2,430	2,428	2,432	2,429	2,426	2,424	2,426	2,425	2,428	2,429	2,430	2,424	2,428	2,433	2,434
15		2,431	2,427	2,430	2,430	2,426	2,424	2,425	2,426	2,429	2,430	2,430	2,427	2,432	2,432	2,434
16		2,431	2,427	2,430	2,430	2,429	2,424	2,428	2,427	2,432	2,430	2,430	2,428	2,433	2,435	2,435
17		2,435	2,429	2,430	2,430	2,430	2,425	2,430	2,430	2,432	2,430	2,431	2,428	2,432	2,433	2,440
18		2,436	2,430	2,430	2,431	2,431	2,427	2,431	2,431	2,432	2,430	2,432	2,429	2,431	2,433	2,440
19		2,436	2,431	2,431	2,432	2,431	2,427	2,431	2,431	2,431	2,430	2,432	2,430	2,431	2,436	2,441
20		2,436	2,431	2,431	2,431	2,431	2,427	2,432	2,431	2,431	2,431	2,432	2,430	2,432	2,443	2,441
21		2,435	2,431	2,431	2,432	2,431	2,428	2,431	2,431	2,431	2,431	2,433	2,430	2,432	2,446	2,442
22		2,436	2,430	2,432	2,432	2,432	2,427	2,432	2,430	2,431	2,431	2,432	2,430	2,433	2,447	2,441
23		2,436	2,430	2,430	2,431	2,433	2,429	2,432	2,430	2,431	2,431	2,432	2,431	2,432	2,447	2,441
24		2,437	2,431	2,431	2,433	2,433	2,430	2,432	2,430	2,431	2,432	2,432	2,433	2,433	2,447	2,442
TOTAL		58,445	58,325	58,345	58,354	58,330	58,291	58,298	58,315	58,319	58,332	58,365	58,320	58,349	56,085	57,781
Cumulative Output Sold, kWhr		58,445	116,770	175,115	233,469	291,799	350,090	408,388	466,703	525,022	583,354	641,719	700,039	758,388	814,473	872,254
Transformer and line efficiency		99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.8%	99.7%	99.7%	99.8%	99.7%	99.7%	99.8%	99.7%	99.6%
Hourly average		2,435	2,430	2,431	2,431	2,430	2,429	2,429	2,430	2,430	2,431	2,432	2,430	2,431	2,337	2,408

AUGUST 2013																		
CNBE Daily Reports Summary Data																		
	Friday 8/16/2013	Saturday 8/17/2013	Sunday 8/18/2013	Monday 8/19/2013	Tuesday 8/20/2013	Wednesday 8/21/2013	Thursday 8/22/2013	Friday 8/23/2013	Saturday 8/24/2013	Sunday 8/25/2013	Monday 8/26/2013	Tuesday 8/27/2013	Wednesday 8/28/2013	Thursday 8/29/2013	Friday 8/30/2013	Saturday 8/31/2013	TOTAL	
Landfill Gas Flow to the Engines (K)	1,392	1,398	1,385	1,371	1,330	1,363	1,359	1,351	1,375	1,137	79	360	1,170	1,339	1,311	1,129	39,089	
Landfill Gas Flow to the Engines (M	718	719	718	719	688	708	712	698	693	611	45	204	623	694	678	613	20,474	
Landfill Gas Flow to the Flare (KSC	-	-	-	-	-	-	-	-	-	-	1,080	720	135	-	-	-	1,935	
Landfill Gas Flow to the Flare (MME	-	-	-	-	-	-	-	-	-	-	612	408	70	-	-	-	1,090	
Landfill Gas Total Flow (KSCF)	1,392	1,398	1,385	1,371	1,330	1,363	1,359	1,351	1,375	1,137	1,159	1,080	1,305	1,339	1,311	1,129	41,024	
Landfill Gas Total Flow (MMBTU Hr)	718	719	718	719	688	708	712	698	693	611	657	612	693	694	678	613	21,564	
Average Methane Content (%)	51.0	50.8	51.3	51.8	51.1	51.3	51.7	51.1	49.8	53.1	56.0	56.0	52.4	51.2	51.1	53.7	51.9	
Engine 1 Hours	15	24	24	24	24	24	24	24	24	22	2	11	24	24	24	24	685	
Engine 2 Hours	8	-	-	-	-	-	14	-	24	22	2	-	-	-	-	-	109	
Engine 3 Hours	24	24	24	24	24	24	12	24	-	-	-	9	24	24	20	11	627	
Engine 4 Hours	24	24	24	24	24	24	24	24	23	22	3	11	24	24	24	24	681	
Generator 1 Power Output (kWhr)	12,569	20,105	20,100	20,045	20,109	20,096	19,961	20,088	19,171	13,048	763	4,884	16,456	20,086	20,116	20,106	558,293	
Generator 2 Power Output (kWhr)	7,474	-	-	-	-	-	11,233	20,336	19,432	13,279	762	-	-	-	-	-	104,450	
Generator 3 Power Output (kWhr)	20,184	20,184	20,176	20,137	20,201	20,189	8,916	-	-	15	-	3,169	16,350	20,180	16,626	9,142	497,236	
Generator 4 Power Output (kWhr)	20,172	20,170	20,176	20,120	20,183	19,898	20,024	20,167	19,237	13,268	780	5,004	16,590	20,158	20,190	20,176	556,176	
Gross Power Output (kWhr)	60,414	60,490	60,479	60,323	60,537	60,221	60,209	60,698	57,963	39,776	3,043	13,510	49,409	60,391	56,897	49,391	1,718,012	
Net Power Output (kWhr)	58,452	58,532	58,544	58,372	58,532	58,244	58,256	58,712	56,024	38,212	2,180	12,448	47,712	58,324	54,916	47,744	1,659,768	
Power Sold as metered by NStar, (k	58,299	58,390	58,446	58,417	58,363	58,122	58,096	58,586	55,931	38,160	2,167	12,465	47,598	58,162	54,692	47,629	1,655,777	
Offgrid RECs (kWhr)	1,962	1,958	1,935	1,951	2,005	1,977	1,953	1,986	1,939	1,564	863	1,062	1,697	2,067	1,981	1,647	58,244	
Calculated Performance Results																		
Daily																		
Power output (kW average whe																		
Generator 1	838	838	838	835	838	837	832	837	799	593	382	444	686	837	838	838		
Generator 2	934	-	-	-	-	-	802	-	810	604	381	-	-	-	-	-		
Generator 3	841	841	841	839	842	841	743	-	-	-	-	352	681	841	831	831		
Generator 4	841	840	841	838	841	829	834	840	836	603	260	455	691	840	841	841		
Power output (kW average over																		
Facility Gross	2,517	2,520	2,520	2,513	2,522	2,509	2,509	2,529	2,415	1,657	127	563	2,059	2,516	2,371	2,058		
Facility Net	2,436	2,439	2,439	2,432	2,439	2,427	2,427	2,446	2,334	1,592	91	519	1,988	2,430	2,288	1,989		
In-plant load	82	82	81	81	84	82	81	83	81	65	36	44	71	86	83	69		
Daily availability factor																		
Facility	74%	75%	75%	75%	75%	75%	77%	75%	74%	69%	7%	32%	75%	75%	71%	61%		
Engine 1	63%	100%	100%	100%	100%	100%	100%	100%	100%	92%	8%	46%	100%	100%	100%	100%		
Engine 2	33%	0%	0%	0%	0%	0%	58%	0%	100%	92%	8%	0%	0%	0%	0%	0%		
Engine 3	100%	100%	100%	100%	100%	100%	50%	100%	0%	0%	0%	38%	100%	100%	83%	46%		
Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	96%	92%	13%	46%	100%	100%	100%	100%		
Daily capacity factor																		
Facility	76%	76%	76%	76%	76%	76%	76%	77%	73%	50%	4%	17%	62%	76%	72%	62%		
Engine 1	102%	102%	102%	101%	102%	101%	101%	101%	97%	72%	46%	54%	83%	101%	102%	102%		
Engine 2	113%	0%	0%	0%	0%	0%	97%	0%	98%	73%	46%	0%	0%	0%	0%	0%		
Engine 3	102%	102%	102%	102%	102%	102%	90%	0%	0%	0%	0%	43%	83%	102%	101%	101%		
Engine 4	102%	102%	102%	102%	102%	100%	101%	102%	101%	73%	32%	55%	84%	102%	102%	102%		
Cumulative by engine																		
Engine operating run hours in tr																		
Max Cumulative Available, t	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	744		
Engine 1	362	386	410	434	458	482	506	530	554	576	578	589	613	637	661	637		
Engine 2	47	47	47	47	47	47	61	61	85	107	109	109	109	109	109	109		
Engine 3	383	407	431	455	479	503	515	539	539	539	539	548	572	596	616	583		
Engine 4	358	382	406	430	454	478	502	526	549	571	574	585	609	633	657	633		
Engine operating run hours tota																		
Engine 1	63,879	63,903	63,927	63,951	63,975	63,999	64,023	64,047	64,071	64,093	64,095	64,106	64,130	64,154	64,178	64,154		
Engine 2	59,614	59,614	59,614	59,614	59,614	59,614	59,628	59,628	59,652	59,674	59,676	59,676	59,676	59,676	59,676	59,676		
Engine 3	61,266	61,290	61,314	61,338	61,362	61,386	61,398	61,422	61,422	61,422	61,422	61,431	61,455	61,479	61,499	61,466		
Engine 4	59,277	59,301	59,325	59,349	59,373	59,397	59,421	59,445	59,468	59,490	59,493	59,504	59,528	59,552	59,576	59,552		
Cumulative availability, %																		
Engine 1	94%	95%	95%	95%	95%	96%	96%	96%	96%	96%	93%	91%	91%	92%	92%	86%		
Engine 2	12%	12%	11%	10%	10%	9%	12%	11%	15%	18%	17%	17%	16%	16%	15%	15%		
Engine 3	100%	100%	100%	100%	100%	100%	98%	98%	94%	90%	86%	85%	85%	86%	86%	78%		
Engine 4	93%	94%	94%	94%	95%	95%	95%	95%	95%	95%	92%	90%	91%	91%	91%	85%		
Engine cumulative gross output																		
Max cumulative capacity on	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	23,925		
Engine 1	13,386	14,223	15,061	15,896	16,734	17,571	18,403	19,240	20,039	20,632	21,013	21,457	22,143	22,980	23,818	22,981		
Engine 2	2,558	2,558	2,558	2,558	2,558	2,558	3,360	3,360	4,170	4,774	5,155	5,155	5,155	5,155	5,155	5,155		
Engine 3	13,450	14,291	15,131	15,970	16,812	17,653	18,396	18,396	18,396	18,396	18,396	18,748	19,429	20,270	21,102	20,261		
Engine 4	13,380	14,220	15,061	15,899	16,740	17,569	18,403	19,244	20,080	20,683	20,943	21,398	22,089	22,929	23,770	22,930		
Cumulative capacity factor, %																		
Engine 1	101%	101%	101%	101%	101%	101%	101%	101%	101%	100%	98%	96%	96%	96%	96%	96%		
Engine 2	19%	18%	17%	16%	16%	15%	19%	18%	21%	23%	24%	23%	22%	22%	21%	22%		
Engine 3	102%	102%	102%	102%	102%	102%	101%	97%	93%	89%	86%	84%	84%	85%	85%	85%		
Engine 4	101%	101%	101%	101%	101%	101%	101%	101%	101%	100%	98%	96%	96%	96%	96%	96%		

	Friday 8/16/2013	Saturday 8/17/2013	Sunday 8/18/2013	Monday 8/19/2013	Tuesday 8/20/2013	Wednesday 8/21/2013	Thursday 8/22/2013	Friday 8/23/2013	Saturday 8/24/2013	Sunday 8/25/2013	Monday 8/26/2013	Tuesday 8/27/2013	Wednesday 8/28/2013	Thursday 8/29/2013	Friday 8/30/2013	Saturday 8/31/2013	TOTAL
Cumulative by Facility in month																	
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,784	
Actual cumulative engine run hours	1,150	1,222	1,294	1,366	1,438	1,510	1,584	1,656	1,727	1,793	1,800	1,831	1,903	1,975	2,043	1,962	
Cumulative Availability, %	74.9%	74.9%	74.9%	74.9%	74.9%	74.9%	75.0%	75.0%	75.0%	74.7%	72.1%	70.6%	70.8%	70.9%	70.9%	70.5%	
Max cumulative gross output, kWh	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,296,800	
Actual cumulative gross output, kWh	964,675	1,025,165	1,085,644	1,145,967	1,206,504	1,266,725	1,326,934	1,387,632	1,445,595	1,485,371	1,488,414	1,501,924	1,551,333	1,611,724	1,668,621	1,600,724	
Cumulative Capacity Factor	76.1%	76.1%	76.2%	76.2%	76.2%	76.2%	76.2%	76.2%	76.2%	75.0%	72.3%	70.2%	70.0%	70.2%	70.2%	69.7%	
Cumulative fuel input, MMBtu/Hr	11,351	12,070	12,789	13,508	14,196	14,903	15,615	16,314	17,007	17,618	17,662	17,866	18,490	19,183	19,861	19,103	
Cumulative gross output, kWh/Hr	964,675	1,025,165	1,085,644	1,145,967	1,206,504	1,266,725	1,326,934	1,387,632	1,445,595	1,485,371	1,488,414	1,501,924	1,551,333	1,611,724	1,668,621	1,600,724	
Heat Rate																	
Daily heat rate, Btu/kWe gross	10,699	10,703	10,693	10,728	10,237	10,576	10,641	10,358	10,763	13,828	13,278	13,594	11,352	10,337	10,727	11,173	
Daily heat rate, Btu/kWe gross	11,885	11,890	11,879	11,918	11,372	11,748	11,820	11,506	11,956	15,361	14,750	15,101	12,611	11,483	11,916	12,411	
Cumulative heat rate, Btu/kWe gross	10,592	10,599	10,604	10,611	10,592	10,591	10,593	10,583	10,590	10,677	10,682	10,708	10,729	10,714	10,715	10,743	
Cumulative heat rate, Btu/kWe gross	11,767	11,774	11,780	11,787	11,766	11,765	11,768	11,756	11,764	11,861	11,867	11,896	11,918	11,902	11,903	11,934	
Cumulative by Facility starting Calendar Year																	
Max cumulative available engine run hours	21,120	21,216	21,312	21,408	21,504	21,600	21,696	21,792	21,888	21,984	22,080	22,176	22,272	22,368	22,464	22,368	
Actual cumulative engine run hours	16,128	16,200	16,272	16,344	16,416	16,488	16,562	16,634	16,705	16,771	16,778	16,809	16,881	16,953	17,021	16,940	
Cumulative Availability, %	76.4%	76.4%	76.4%	76.3%	76.3%	76.3%	76.3%	76.3%	76.3%	76.3%	76.0%	75.8%	75.8%	75.8%	75.8%	75.7%	
Max cumulative gross output, kWh	17,424,000	17,503,200	17,582,400	17,661,600	17,740,800	17,820,000	17,899,200	17,978,400	18,057,600	18,136,800	18,216,000	18,295,200	18,374,400	18,453,600	18,532,800	18,453,600	
Actual cumulative gross output, kWh	12,889,556	12,950,046	13,010,525	13,070,848	13,131,385	13,191,606	13,251,815	13,312,513	13,370,476	13,410,252	13,413,295	13,426,805	13,476,214	13,536,605	13,593,502	13,525,605	
Cumulative Capacity Factor	74.0%	74.0%	74.0%	74.0%	74.0%	74.0%	74.0%	74.0%	74.0%	73.9%	73.6%	73.4%	73.3%	73.4%	73.3%	73.3%	
Cumulative fuel input, MMBtu/Hr	157,434	158,153	158,871	159,590	160,279	160,986	161,698	162,396	163,089	163,700	163,745	163,949	164,572	165,266	165,944	165,185	
Cumulative gross output, kWh/Hr	12,889,556	12,950,046	13,010,525	13,070,848	13,131,385	13,191,606	13,251,815	13,312,513	13,370,476	13,410,252	13,413,295	13,426,805	13,476,214	13,536,605	13,593,502	13,525,605	
Cumulative heat rate, Btu/kWe gross	10,995	10,994	10,992	10,991	10,988	10,986	10,984	10,981	10,980	10,989	10,989	10,992	10,993	10,990	10,989	10,994	
Cumulative heat rate, Btu/kWe gross	12,214	12,213	12,211	12,210	12,206	12,204	12,202	12,199	12,198	12,207	12,208	12,211	12,212	12,209	12,208	12,213	
Service																	
Engine 1												District fix sump	Trouble shooting				
Engine 2																	
Engine 3																	
Engine 4																	
Oil - oil and filter change																	
Service - plugs, air filter, valve inspection																	
Precipitation																	
NSTAR Power Reports	Friday 8/16/2013	Saturday 8/17/2013	Sunday 8/18/2013	Monday 8/19/2013	Tuesday 8/20/2013	Wednesday 8/21/2013	Thursday 8/22/2013	Friday 8/23/2013	Saturday 8/24/2013	Sunday 8/25/2013	Monday 8/26/2013	Tuesday 8/27/2013	Wednesday 8/28/2013	Thursday 8/29/2013	Friday 8/30/2013	Saturday 8/31/2013	TOTAL
Date	8/16/2013	8/17/2013	8/18/2013	8/19/2013	8/20/2013	8/21/2013	8/22/2013	8/23/2013	8/24/2013	8/25/2013	8/26/2013	8/27/2013	8/28/2013	8/29/2013	8/30/2013	8/31/2013	
Hour																	
1	2,442	2,434	2,435	2,437	2,434	2,434	2,435	2,439	2,445	1,534	233	-	1,439	2,426	2,424	1,617	
2	2,443	2,435	2,435	2,438	2,435	2,434	2,436	2,440	2,445	1,471	-	-	1,341	2,426	2,425	1,617	
3	2,444	2,436	2,436	2,438	2,434	2,435	2,435	2,441	2,446	1,735	-	-	160	2,426	2,425	1,617	
4	2,444	2,436	2,437	2,438	2,434	2,435	2,435	2,443	2,445	1,884	-	-	1,421	2,426	2,424	1,617	
5	2,444	2,436	2,437	2,438	2,435	2,436	2,435	2,444	2,445	1,884	-	-	1,433	2,426	2,425	1,617	
6	2,444	2,436	2,437	2,439	2,436	2,437	2,436	2,444	2,446	1,885	-	-	1,436	2,427	2,424	1,617	
7	2,444	2,437	2,437	2,439	2,436	2,437	2,437	2,445	2,446	1,885	-	-	1,438	2,427	2,424	1,618	
8	2,439	2,434	2,436	2,438	2,435	2,435	2,434	2,444	2,444	558	-	-	1,440	2,426	2,423	1,618	
9	2,380	2,431	2,436	2,433	2,430	2,431	2,430	2,438	2,440	1,200	-	-	1,439	2,423	2,423	1,619	
10	2,336	2,431	2,434	2,432	2,428	2,427	2,428	2,436	2,439	2,043	-	-	2,040	2,421	2,422	1,619	
11	2,431	2,431	2,435	2,429	2,427	2,426	2,249	2,437	2,439	1,877	-	913	2,438	2,421	2,420	1,618	
12	2,429	2,430	2,433	2,429	2,427	2,425	2,236	2,438	2,438	1,875	-	1,170	2,438	2,420	2,418	1,615	
13	2,428	2,430	2,433	2,429	2,427	2,426	2,436	2,438	2,439	2,219	-	506	2,433	2,420	2,418	1,651	
14	2,431	2,431	2,433	2,429	2,427	2,365	2,440	2,438	2,439	2,448	50	1,000	2,428	2,420	2,418	2,290	
15	2,430	2,431	2,433	2,429	2,427	2,233	2,441	2,440	2,439	2,446	839	916	2,426	2,421	2,419	2,432	
16	2,431	2,431	2,434	2,431	2,428	2,432	2,441	2,442	2,440	2,447	782	656	2,429	2,421	2,420	2,431	
17	2,431	2,431	2,434	2,434	2,432	2,433	2,441	2,442	2,440	2,447	263	501	2,429	2,424	2,422	2,430	
18	2,432	2,431	2,434	2,434	2,432	2,434	2,440	2,443	2,442	1,620	-	688	2,428	2,423	2,423	2,429	
19	2,432	2,431	2,435	2,434	2,433	2,435	2,440	2,442	2,443	156	-	523	2,428	2,423	2,422	2,428	
20	2,432	2,432	2,436	2,433	2,433	2,435	2,439	2,443	2,444	1,054	-	-	2,428	2,423	2,209	2,427	
21	2,433	2,433	2,437	2,434	2,433	2,434	2,438	2,441	2,445	537	-	1,284	2,427	2,423	1,615	2,427	
22	2,432	2,434	2,436	2,434	2,433	2,434	2,438	2,441	2,445	556	-	1,432	2,427	2,423	1,616	2,425	
23	2,433	2,434	2,436	2,434	2,433	2,434	2,437	2,442	1,370	1,043	-	1,435	2,426	2,423	1,616	2,425	
24	2,434	2,434	2,437	2,434	2,434	2,435	2,439	2,445	827	1,356	-	1,441	2,426	2,423	1,617	2,425	
TOTAL	58,299	58,390	58,446	58,417	58,363	58,122	58,096	58,586	55,931	38,160	2,167	12,465	47,598	58,162	54,692	47,629	
Cumulative Output Sold, kWh	930,553	988,943	1,047,389	1,105,806	1,164,169	1,222,291	1,280,387	1,338,973	1,394,904	1,433,064	1,435,231	1,447,696	1,495,294	1,553,456	1,608,148	1,655,777	
Transformer and line efficiency	99.7%	99.8%	99.8%	100.1%	99.7%	99.8%	99.7%	99.8%	99.8%	99.9%	99.9%	100.1%	99.8%	99.7%	99.6%	99.6%	0.0%
Hourly average	2,429	2,433	2,435	2,434	2,432	2,422	2,421	2,441	2,330	1,590	90	519	1,983	2,423	2,279	1,985	2,226

SEPTEMBER 2013																
CNBE Daily Reports Summary Data																
		Sunday 9/1/2013	Monday 9/2/2013	Tuesday 9/3/2013	Wednesday 9/4/2013	Thursday 9/5/2013	Friday 9/6/2013	Saturday 9/7/2013	Sunday 9/8/2013	Monday 9/9/2013	Tuesday 9/10/2013	Wednesday 9/11/2013	Thursday 9/12/2013	Friday 9/13/2013	Saturday 9/14/2013	Sunday 9/15/2013
Landfill Gas Flow to the Engines (KSCF)		1,339	1,350	1,339	1,353	1,332	1,362	1,362	1,362	1,362	1,441	1,375	1,362	1,362	1,362	1,362
Landfill Gas Flow to the Engines (MMBTU HHV)		694	692	680	698	688	706	706	706	706	740	680	706	706	706	706
Landfill Gas Flow to the Flare (KSCF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MMBTU HHV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)		1,339	1,350	1,339	1,353	1,332	1,362	1,362	1,362	1,362	1,441	1,375	1,362	1,362	1,362	1,362
Landfill Gas Total Flow (MMBTU HHV)		694	692	680	698	688	706	706	706	706	740	680	706	706	706	706
Average Methane Content (%)		51.2	50.7	50.2	51.0	51.0	51.2	51.2	51.2	51.2	50.7	48.9	51.2	51.2	51.2	51.2
Engine 1 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Engine 2 Hours		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engine 3 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Engine 4 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Generator 1 Power Output (kWhr)		20,107	20,105	19,776	19,625	19,436	19,414	20,130	20,098	19,753	20,119	18,618	19,815	19,479	19,700	19,684
Generator 2 Power Output (kWhr)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator 3 Power Output (kWhr)		20,229	22,225	19,878	19,718	19,517	19,495	20,214	20,189	19,843	20,202	18,886	20,157	20,227	20,457	20,440
Generator 4 Power Output (kWhr)		20,180	20,182	19,842	19,696	19,504	19,482	20,200	20,178	19,832	20,190	18,893	20,120	19,803	20,028	20,011
Gross Power Output (kWhr)		60,515	60,550	59,475	59,022	58,448	58,400	60,551	60,469	59,449	60,504	56,406	60,117	59,505	60,198	60,148
Net Power Output (kWhr)		58,341	58,328	57,332	57,016	56,480	56,463	58,614	58,580	57,512	58,520	54,560	58,200	57,540	58,261	58,211
Power Sold as metered by NStar, (kWhr)		58,133	58,124	57,118	56,796	56,268	56,311	58,456	58,409	57,357	58,345	54,415	58,155	57,931	58,104	58,054
Offgrid RECs (kWhr)		2,174	2,222	2,143	2,006	1,968	1,937	1,937	1,889	1,937	1,984	1,846	1,917	1,965	1,937	1,937
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1		838	838	824	818	810	809	839	837	823	838	776	826	812	821	820
Generator 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator 3		843	926	828	822	813	812	842	841	827	842	787	840	843	852	852
Generator 4		841	841	827	821	813	812	842	841	826	841	787	838	825	835	834
Power output (kW average over 24-hrs)																
Facility Gross		2,521	2,523	2,478	2,459	2,435	2,433	2,523	2,520	2,477	2,521	2,350	2,505	2,479	2,508	2,506
Facility Net		2,431	2,430	2,389	2,376	2,353	2,353	2,442	2,441	2,396	2,438	2,273	2,425	2,398	2,428	2,425
In-plant load		91	93	89	84	82	81	81	79	81	83	77	80	82	81	81
Daily availability factor																
Facility		75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%
Engine 1		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 2		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Engine 3		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 4		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Daily capacity factor																
Facility		76%	76%	75%	75%	74%	74%	76%	76%	75%	76%	71%	76%	75%	76%	76%
Engine 1		102%	102%	100%	99%	98%	98%	102%	102%	100%	102%	94%	100%	98%	99%	99%
Engine 2		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Engine 3		102%	112%	100%	100%	99%	98%	102%	102%	100%	102%	95%	102%	102%	103%	103%
Engine 4		102%	102%	100%	99%	99%	98%	102%	102%	100%	102%	95%	102%	100%	101%	101%
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine 1		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine 2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Engine 3		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine 4		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine operating run hours total from 0 hours																
Engine 1		64,202	64,226	64,250	64,274	64,298	64,322	64,346	64,370	64,394	64,418	64,442	64,466	64,490	64,514	64,538
Engine 2		59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700
Engine 3		61,486	61,510	61,534	61,558	61,582	61,606	61,630	61,654	61,678	61,702	61,726	61,750	61,774	61,798	61,822
Engine 4		59,600	59,624	59,648	59,672	59,696	59,720	59,744	59,768	59,792	59,816	59,840	59,864	59,888	59,912	59,936
Cumulative availability, %		September 1, 2013 @ 00:00 hours														
Engine 1		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 2		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Engine 3		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 4		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine		825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375
Engine 1		838	1,676	2,500	3,317	4,127	4,936	5,775	6,612	7,435	8,273	9,049	9,875	10,686	11,507	12,327
Engine 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engine 3		843	1,769	2,597	3,419	4,232	5,044	5,886	6,728	7,554	8,396	9,183	10,023	10,866	11,718	12,570
Engine 4		841	1,682	2,509	3,329	4,142	4,954	5,795	6,636	7,462	8,304	9,091	9,929	10,754	11,589	12,423
Cumulative capacity factor, %																
Engine 1		102%	102%	101%	101%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 2		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Engine 3		102%	107%	105%	104%	103%	102%	102%	102%	102%	102%	101%	101%	101%	101%	102%
Engine 4		102%	102%	101%	101%	100%	100%	100%	101%	101%	101%	100%	100%	100%	100%	100%

SEPTEMBER 2013

	Sunday 9/1/2013	Monday 9/2/2013	Tuesday 9/3/2013	Wednesday 9/4/2013	Thursday 9/5/2013	Friday 9/6/2013	Saturday 9/7/2013	Sunday 9/8/2013	Monday 9/9/2013	Tuesday 9/10/2013	Wednesday 9/11/2013	Thursday 9/12/2013	Friday 9/13/2013	Saturday 9/14/2013	Sunday 9/15/2013
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours	72	144	216	288	360	432	504	576	648	720	792	864	936	1,008	1,080
Cumulative Availability, %	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	60,515	121,065	180,540	239,562	298,010	356,410	416,961	477,430	536,879	597,383	653,789	713,906	773,411	833,609	893,757
Cumulative Capacity Factor	76.4%	76.4%	76.0%	75.6%	75.3%	75.0%	75.2%	75.4%	75.3%	75.4%	75.0%	75.1%	75.1%	75.2%	75.2%
Cumulative fuel input, MMBtu HHV	694	1,386	2,066	2,764	3,452	4,157	4,863	5,568	6,274	7,014	7,694	8,400	9,105	9,811	10,516
Cumulative gross output, kWhr	60,515	121,065	180,540	239,562	298,010	356,410	416,961	477,430	536,879	597,383	653,789	713,906	773,411	833,609	893,757
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	10,316	10,288	10,292	10,646	10,596	10,876	10,490	10,504	10,684	11,010	10,852	10,566	10,674	10,552	10,560
Daily heat rate, Btu/kWe gross HHV	11,460	11,429	11,433	11,826	11,771	12,082	11,653	11,669	11,869	12,231	12,055	11,737	11,858	11,721	11,731
Cumulative heat rate, Btu/kWe gross LHV	10,316	10,302	10,299	10,384	10,426	10,500	10,498	10,499	10,520	10,569	10,594	10,591	10,598	10,594	10,592
Cumulative heat rate, Btu/kWe gross HHV	11,460	11,444	11,441	11,536	11,582	11,664	11,662	11,663	11,686	11,741	11,768	11,766	11,773	11,769	11,766
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	22,464	22,560	22,656	22,752	22,848	22,944	23,040	23,136	23,232	23,328	23,424	23,520	23,616	23,712	23,808
Actual cumulative engine run hours	17,012	17,084	17,156	17,228	17,300	17,372	17,444	17,516	17,588	17,660	17,732	17,804	17,876	17,948	18,020
Cumulative Availability, %	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%
Max cumulative gross output, kWhr	18,532,800	18,612,000	18,691,200	18,770,400	18,849,600	18,928,800	19,008,000	19,087,200	19,166,400	19,245,600	19,324,800	19,404,000	19,483,200	19,562,400	19,641,600
Actual cumulative gross output, kWhr	13,586,120	13,646,670	13,706,145	13,765,167	13,823,615	13,882,015	13,942,566	14,003,035	14,062,484	14,122,988	14,179,394	14,239,511	14,299,016	14,359,214	14,419,362
Cumulative Capacity Factor	73.3%	73.3%	73.3%	73.3%	73.3%	73.3%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%
Cumulative fuel input, MMBtu HHV	165,879	166,571	167,251	167,949	168,637	169,342	170,048	170,754	171,459	172,199	172,879	173,585	174,290	174,996	175,702
Cumulative gross output, kWhr	13,586,120	13,646,670	13,706,145	13,765,167	13,823,615	13,882,015	13,942,566	14,003,035	14,062,484	14,122,988	14,179,394	14,239,511	14,299,016	14,359,214	14,419,362
Cumulative heat rate, Btu/kWe gross LHV	10,991	10,988	10,985	10,983	10,982	10,981	10,979	10,977	10,976	10,976	10,975	10,974	10,972	10,971	10,969
Cumulative heat rate, Btu/kWe gross HHV	12,209	12,206	12,203	12,201	12,199	12,199	12,196	12,194	12,193	12,193	12,192	12,190	12,189	12,187	12,185
Service															
Engine 1															
Engine 2						NStar trips					Turndown for wellfield work				
Engine 3						overvoltage									
Engine 4															
Oil - oil and filter change															
Service - plugs, air filter, valve inspection and adjustment															
Precipitation															
NSTAR Power Reports	Sunday 9/1/2013	Monday 9/2/2013	Tuesday 9/3/2013	Wednesday 9/4/2013	Thursday 9/5/2013	Friday 9/6/2013	Saturday 9/7/2013	Sunday 9/8/2013	Monday 9/9/2013	Tuesday 9/10/2013	Wednesday 9/11/2013	Thursday 9/12/2013	Friday 9/13/2013	Saturday 9/14/2013	Sunday 9/15/2013
Date															
Hour															
1	2,425	2,420	2,420	2,366	2,370	2,370	2,440	2,436	2,432	2,434	2,429	2,427	2,423	2,424	2,419
2	2,425	2,420	2,421	2,367	2,371	2,370	2,439	2,435	2,434	2,434	2,429	2,427	2,423	2,423	2,420
3	2,425	2,420	2,422	2,367	2,371	2,369	2,440	2,436	2,433	2,434	2,429	2,428	2,424	2,423	2,420
4	2,424	2,420	2,422	2,367	2,371	2,371	2,439	2,436	2,430	2,435	2,430	2,428	2,423	2,423	2,421
5	2,424	2,422	2,422	2,367	2,371	2,371	2,439	2,435	2,409	2,434	2,430	2,428	2,423	2,424	2,421
6	2,423	2,422	2,422	2,368	2,372	2,371	2,439	2,436	2,389	2,435	2,430	2,428	2,423	2,425	2,423
7	2,423	2,422	2,421	2,368	2,372	2,371	2,439	2,437	2,378	2,434	2,430	2,428	2,423	2,425	2,421
8	2,423	2,422	2,393	2,365	2,360	2,367	2,438	2,435	2,368	2,432	2,152	2,427	2,422	2,424	2,420
9	2,424	2,423	2,358	2,362	2,364	2,362	2,434	2,434	2,021	2,432	848	2,424	2,419	2,423	2,417
10	2,424	2,423	2,358	2,363	2,364	2,362	2,433	2,433	2,039	2,434	841	2,421	2,419	2,420	2,416
11	2,423	2,423	2,357	2,363	2,124	2,361	2,433	2,433	2,429	2,428	2,129	2,421	2,420	2,420	2,415
12	2,422	2,422	2,357	2,364	2,047	2,360	2,433	2,432	2,427	2,427	2,424	2,418	2,231	2,420	2,415
13	2,422	2,422	2,357	2,364	2,364	2,356	2,433	2,432	2,427	2,428	2,322	2,418	2,419	2,419	2,416
14	2,422	2,421	2,357	2,364	2,363	2,154	2,433	2,431	2,427	2,430	2,423	2,418	2,419	2,420	2,416
15	2,421	2,422	2,358	2,365	2,363	2,429	2,433	2,432	2,427	2,430	2,425	2,418	2,421	2,420	2,417
16	2,421	2,424	2,359	2,365	2,368	2,429	2,433	2,431	2,428	2,431	2,427	2,418	2,422	2,420	2,417
17	2,422	2,423	2,363	2,366	2,368	2,431	2,433	2,432	2,430	2,430	2,427	2,422	2,422	2,420	2,417
18	2,422	2,423	2,365	2,369	2,369	2,434	2,434	2,432	2,431	2,430	2,428	2,422	2,422	2,419	2,419
19	2,421	2,424	2,365	2,370	2,369	1,660	2,434	2,433	2,431	2,430	2,428	2,423	2,422	2,418	2,420
20	2,420	2,422	2,364	2,369	2,369	2,258	2,435	2,433	2,433	2,429	2,427	2,422	2,421	2,419	2,421
21	2,420	2,422	2,364	2,369	2,370	2,439	2,436	2,434	2,433	2,430	2,427	2,422	2,422	2,418	2,420
22	2,419	2,421	2,364	2,369	2,369	2,437	2,435	2,434	2,433	2,428	2,427	2,422	2,422	2,419	2,421
23	2,419	2,420	2,364	2,369	2,369	2,439	2,435	2,433	2,434	2,428	2,426	2,422	2,423	2,419	2,421
24	2,419	2,421	2,365	2,370	2,370	2,440	2,436	2,434	2,434	2,428	2,427	2,423	2,423	2,419	2,421
TOTAL	58,133	58,124	57,118	56,796	56,268	56,311	58,456	58,409	57,357	58,345	54,415	58,155	57,931	58,104	58,054
Cumulative Output Sold, kWhr	58,133	116,257	173,375	230,171	286,439	342,750	401,206	459,615	516,972	575,317	629,732	687,887	745,818	803,922	861,976
Transformer and line efficiency	99.6%	99.7%	99.6%	99.6%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%
Hourly average	2,422	2,422	2,380	2,367	2,345	2,346	2,436	2,434	2,390	2,431	2,267	2,423	2,414	2,421	2,419

SEPTEMBER 2013																
CNBE Daily Reports Summary Data																
	Monday 9/16/2013	Tuesday 9/17/2013	Wednesday 9/18/2013	Thursday 9/19/2013	Friday 9/20/2013	Saturday 9/21/2013	Sunday 9/22/2013	Monday 9/23/2013	Tuesday 9/24/2013	Wednesday 9/25/2013	Thursday 9/26/2013	Friday 9/27/2013	Saturday 9/28/2013	Sunday 9/29/2013	Monday 9/30/2013	TOTAL
Landfill Gas Flow to the Engines (K)	1,362	1,394	1,367	1,363	1,362	1,374	1,331	1,391	1,320	1,346	1,323	1,376	1,387	1,381	1,380	40,880
Landfill Gas Flow to the Engines (M	706	700	694	704	706	713	696	714	690	698	679	707	710	711	711	21,054
Landfill Gas Flow to the Flare (KSC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)	1,362	1,394	1,367	1,363	1,362	1,374	1,331	1,391	1,320	1,346	1,323	1,376	1,387	1,381	1,380	40,880
Landfill Gas Total Flow (MMBTU H	706	700	694	704	706	713	696	714	690	698	679	707	710	711	711	21,054
Average Methane Content (%)	51.2	49.6	50.1	51.1	51.2	51.3	51.6	50.7	51.6	51.3	50.7	50.8	50.6	50.8	51.0	50.9
Engine 1 Hours	24	24	24	24	23	24	24	24	22	24	24	24	24	24	24	717
Engine 2 Hours	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	23	24	24	24	24	719
Engine 4 Hours	24	24	24	23	23	24	24	24	24	24	24	24	24	24	24	718
Generator 1 Power Output (kWhr)	19,434	19,873	19,615	19,161	18,716	19,626	19,625	19,090	16,715	19,142	19,838	19,651	19,620	19,619	19,185	584,769
Generator 2 Power Output (kWhr)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Generator 3 Power Output (kWhr)	20,180	20,008	19,948	19,625	19,699	20,070	20,077	19,954	19,246	19,234	19,230	19,025	19,711	19,708	19,716	597,108
Generator 4 Power Output (kWhr)	19,757	19,984	19,937	18,824	19,785	20,064	20,063	19,942	19,233	18,387	19,849	19,727	19,695	19,695	19,697	592,780
Gross Power Output (kWhr)	59,384	59,875	59,507	57,613	58,202	59,766	59,773	58,991	55,195	56,765	58,927	58,413	59,042	59,039	58,601	1,772,850
Net Power Output (kWhr)	57,447	57,844	57,532	55,692	56,288	57,824	57,820	57,016	53,368	54,900	56,984	56,460	57,100	57,116	56,748	1,714,097
Power Sold as metered by NStar, (k	57,292	57,825	57,402	55,560	56,137	57,665	57,659	56,771	53,248	54,774	56,844	56,320	56,957	56,975	56,598	1,710,003
Offgrid RECs (kWhr)	1,937	2,031	1,974	1,922	1,914	1,942	1,952	1,977	1,826	1,865	1,943	1,953	1,942	1,923	1,853	58,752
Calculated Performance Results																
Daily																
Power output (kW average whe																
Generator 1	810	828	817	798	814	818	818	795	760	798	827	819	818	817	799	
Generator 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Generator 3	841	834	831	818	821	836	837	831	802	801	836	793	821	821	822	
Generator 4	823	833	831	818	860	836	836	831	801	766	827	822	821	821	821	
Power output (kW average over																
Facility Gross	2,474	2,495	2,479	2,401	2,425	2,490	2,491	2,458	2,300	2,365	2,455	2,434	2,460	2,460	2,442	
Facility Net	2,394	2,410	2,397	2,321	2,345	2,409	2,409	2,376	2,224	2,288	2,374	2,353	2,379	2,380	2,365	
In-plant load	81	85	82	80	80	81	81	82	76	78	81	81	81	80	77	
Daily availability factor																
Facility	75%	75%	75%	74%	73%	75%	75%	75%	73%	75%	74%	75%	75%	75%	75%	
Engine 1	100%	100%	100%	100%	96%	100%	100%	100%	92%	100%	100%	100%	100%	100%	100%	
Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	96%	100%	100%	100%	100%	
Engine 4	100%	100%	100%	96%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Daily capacity factor																
Facility	75%	76%	75%	73%	73%	75%	75%	74%	70%	72%	74%	74%	75%	75%	74%	
Engine 1	98%	100%	99%	97%	99%	99%	99%	96%	92%	97%	100%	99%	99%	99%	97%	
Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Engine 3	102%	101%	101%	99%	99%	101%	101%	101%	97%	97%	101%	96%	100%	100%	100%	
Engine 4	100%	101%	101%	99%	104%	101%	101%	101%	97%	93%	100%	100%	99%	99%	99%	
Cumulative by engine																
Engine operating run hours in tr																
Max Cumulative Available, t	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	
Engine 1	384	408	432	456	479	503	527	551	573	597	621	645	669	693	717	
Engine 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Engine 3	384	408	432	456	480	504	528	552	576	600	623	647	671	695	719	
Engine 4	384	408	432	455	478	502	526	550	574	598	622	646	670	694	718	
Engine operating run hours tota																
Engine 1	64,586	64,610	64,634	64,658	64,681	64,705	64,729	64,753	64,775	64,799	64,823	64,847	64,871	64,895	64,919	
Engine 2	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	59,700	
Engine 3	61,870	61,894	61,918	61,942	61,966	61,990	62,014	62,038	62,062	62,086	62,109	62,133	62,157	62,181	62,205	
Engine 4	59,984	60,008	60,032	60,055	60,078	60,102	60,126	60,150	60,174	60,198	60,222	60,246	60,270	60,294	60,318	
Cumulative availability, %																
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	99%	100%	100%	100%	100%	100%	100%	
Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Engine cumulative gross output																
Max cumulative capacity on	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	
Engine 1	13,137	13,965	14,783	15,581	16,395	17,212	18,030	18,826	19,585	20,383	21,209	22,028	22,846	23,663	24,463	
Engine 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Engine 3	13,411	14,244	15,076	15,893	16,714	17,550	18,387	19,218	20,020	20,822	21,658	22,450	23,272	24,093	24,914	
Engine 4	13,246	14,078	14,909	15,728	16,588	17,424	18,260	19,091	19,892	20,658	21,485	22,307	23,128	23,948	24,769	
Cumulative capacity factor, %																
Engine 1	100%	100%	100%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	
Engine 2	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Engine 3	102%	102%	102%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	101%	
Engine 4	100%	100%	100%	100%	101%	101%	101%	101%	100%	100%	100%	100%	100%	100%	100%	

	Monday 9/16/2013	Tuesday 9/17/2013	Wednesday 9/18/2013	Thursday 9/19/2013	Friday 9/20/2013	Saturday 9/21/2013	Sunday 9/22/2013	Monday 9/23/2013	Tuesday 9/24/2013	Wednesday 9/25/2013	Thursday 9/26/2013	Friday 9/27/2013	Saturday 9/28/2013	Sunday 9/29/2013	Monday 9/30/2013	TOTAL
Cumulative by Facility in month																
Max cumulative available engin	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	
Actual cumulative engine run h	1,152	1,224	1,296	1,367	1,437	1,509	1,581	1,653	1,723	1,795	1,866	1,938	2,010	2,082	2,154	
Cumulative Availability, %	75.0%	75.0%	75.0%	74.9%	74.8%	74.9%	74.9%	74.9%	74.8%	74.8%	74.8%	74.8%	74.8%	74.8%	74.8%	
Max cumulative gross output, kW	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	
Actual cumulative gross output, kW	953,141	1,013,016	1,072,523	1,130,136	1,188,338	1,248,104	1,307,877	1,366,868	1,422,063	1,478,828	1,537,755	1,596,168	1,655,210	1,714,249	1,772,850	
Cumulative Capacity Factor	75.2%	75.2%	75.2%	75.1%	75.0%	75.0%	75.1%	75.0%	74.8%	74.7%	74.7%	74.6%	74.6%	74.6%	74.6%	
Cumulative fuel input, MMBtu H	11,222	11,922	12,616	13,320	14,026	14,739	15,434	16,148	16,838	17,536	18,215	18,922	19,632	20,343	21,054	
Cumulative gross output, kWhr	953,141	1,013,016	1,072,523	1,130,136	1,188,338	1,248,104	1,307,877	1,366,868	1,422,063	1,478,828	1,537,755	1,596,168	1,655,210	1,714,249	1,772,850	
Heat Rate																
Daily heat rate, Btu/kWe gross t	10,696	10,530	10,494	11,001	10,913	10,738	10,476	10,894	11,250	11,075	10,371	10,892	10,828	10,833	10,928	
Daily heat rate, Btu/kWe gross t	11,882	11,698	11,657	12,221	12,123	11,928	11,637	12,102	12,498	12,303	11,521	12,100	12,029	12,034	12,140	
Cumulative heat rate, Btu/kWe g	10,599	10,595	10,589	10,610	10,625	10,630	10,623	10,635	10,659	10,675	10,663	10,672	10,677	10,682	10,691	
Cumulative heat rate, Btu/kWe g	11,774	11,769	11,763	11,786	11,803	11,809	11,801	11,814	11,840	11,858	11,845	11,855	11,861	11,867	11,876	
Cumulative by Facility starting C																
Max cumulative available engin	23,904	24,000	24,096	24,192	24,288	24,384	24,480	24,576	24,672	24,768	24,864	24,960	25,056	25,152	25,248	
Actual cumulative engine run h	18,092	18,164	18,236	18,307	18,377	18,449	18,521	18,593	18,663	18,735	18,806	18,878	18,950	19,022	19,094	
Cumulative Availability, %	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.7%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	
Max cumulative gross output, kW	19,720,800	19,800,000	19,879,200	19,958,400	20,037,600	20,116,800	20,196,000	20,275,200	20,354,400	20,433,600	20,512,800	20,592,000	20,671,200	20,750,400	20,829,600	
Actual cumulative gross output, kW	14,478,746	14,538,621	14,598,128	14,655,741	14,713,943	14,773,709	14,833,482	14,892,473	14,947,668	15,004,433	15,063,360	15,121,773	15,180,815	15,239,854	15,298,455	
Cumulative Capacity Factor	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.5%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	
Cumulative fuel input, MMBtu H	176,407	177,108	177,801	178,505	179,211	179,924	180,620	181,333	182,023	182,722	183,401	184,107	184,818	185,528	186,239	
Cumulative gross output, kWhr	14,478,746	14,538,621	14,598,128	14,655,741	14,713,943	14,773,709	14,833,482	14,892,473	14,947,668	15,004,433	15,063,360	15,121,773	15,180,815	15,239,854	15,298,455	
Cumulative heat rate, Btu/kWe g	10,968	10,966	10,964	10,964	10,964	10,963	10,961	10,961	10,962	10,962	10,960	10,960	10,959	10,959	10,959	
Cumulative heat rate, Btu/kWe g	12,184	12,182	12,180	12,180	12,180	12,179	12,176	12,176	12,177	12,178	12,175	12,175	12,174	12,174	12,174	
Service																
Engine 1				Wellfield valve	Oil change					Last 3 horiz in	600 foot new horizontal being installed and tie into orange conduit.					
Engine 2										permanent header					Engine returned	
Engine 3																
Engine 4																
Oil - oil and filter change																
Service - plugs, air filter, valve inspe																
Precipitation																
NSTAR Power Reports	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	
Date	9/16/2013	9/17/2013	9/18/2013	9/19/2013	9/20/2013	9/21/2013	9/22/2013	9/23/2013	9/24/2013	9/25/2013	9/26/2013	9/27/2013	9/28/2013	9/29/2013	9/30/2013	TOTAL
Hour																
1	2,422	2,431	2,403	2,404	2,413	2,406	2,401	2,405	2,374	2,377	2,405	2,393	2,375	2,375	2,374	
2	2,422	2,431	2,405	2,404	2,413	2,406	2,401	2,405	2,373	2,377	2,405	2,392	2,376	2,375	2,374	
3	2,422	2,431	2,405	2,404	2,413	2,405	2,402	2,405	2,375	2,377	2,405	2,393	2,375	2,375	2,374	
4	2,421	2,431	2,405	2,404	2,412	2,406	2,402	2,405	2,375	2,377	2,405	2,392	2,375	2,375	2,374	
5	2,422	2,431	2,405	2,404	2,414	2,406	2,401	2,405	2,375	2,377	2,404	2,393	2,375	2,375	2,374	
6	2,422	2,431	2,405	2,405	2,414	2,407	2,401	2,405	2,374	2,377	2,405	2,392	2,375	2,375	2,375	
7	2,422	2,431	2,405	2,405	2,414	2,408	2,402	2,405	2,376	2,378	2,405	2,392	2,375	2,376	2,375	
8	2,421	2,429	2,404	2,403	2,412	2,406	2,402	2,403	2,371	2,377	2,404	2,390	2,374	2,375	2,367	
9	2,420	2,413	2,398	2,396	2,404	2,402	2,403	2,398	2,045	2,379	2,400	2,373	2,373	2,375	2,330	
10	2,419	2,402	2,389	2,034	1,921	2,401	2,404	2,398	1,576	2,399	2,397	2,201	2,373	2,374	2,328	
11	2,187	2,394	2,169	1,688	1,943	2,401	2,403	2,397	1,577	2,398	2,334	1,939	2,372	2,373	2,326	
12	1,818	2,394	2,396	2,370	1,807	2,401	2,402	2,395	2,012	2,394	2,318	2,381	2,371	2,372	2,327	
13	2,423	2,393	2,396	2,367	2,317	2,400	2,402	2,395	2,066	2,038	2,324	2,297	2,369	2,372	2,326	
14	2,422	2,397	2,399	1,628	2,402	2,400	2,401	2,187	1,209	2,067	2,341	2,298	2,371	2,372	2,326	
15	2,420	2,398	2,400	2,208	2,402	2,400	2,401	2,005	2,378	1,466	2,282	2,329	2,370	2,372	2,336	
16	2,362	2,399	2,400	2,341	2,402	2,400	2,401	2,369	2,374	1,361	2,307	2,371	2,371	2,373	2,328	
17	2,428	2,400	2,400	2,408	2,403	2,401	2,402	2,373	2,376	2,410	2,149	2,373	2,371	2,373	2,259	
18	2,430	2,369	2,401	2,411	2,402	2,401	2,402	2,374	2,378	2,408	2,394	2,374	2,372	2,373	2,388	
19	2,432	2,403	2,403	2,412	2,403	2,402	2,404	2,374	2,379	2,408	2,394	2,374	2,373	2,374	2,389	
20	2,432	2,403	2,403	2,412	2,405	2,402	2,406	2,374	2,378	2,407	2,394	2,375	2,374	2,375	2,390	
21	2,432	2,403	2,403	2,413	2,405	2,401	2,405	2,374	2,377	2,406	2,393	2,374	2,374	2,374	2,389	
22	2,431	2,404	2,402	2,413	2,405	2,401	2,403	2,373	2,377	2,406	2,393	2,375	2,374	2,374	2,389	
23	2,431	2,403	2,403	2,413	2,405	2,401	2,404	2,373	2,376	2,405	2,393	2,374	2,374	2,374	2,390	
24	2,431	2,404	2,403	2,413	2,406	2,401	2,404	2,374	2,377	2,405	2,393	2,375	2,375	2,374	2,390	
TOTAL	57,292	57,825	57,402	55,560	56,137	57,665	57,659	56,771	53,248	54,774	56,844	56,320	56,957	56,975	56,598	
Cumulative Output Sold, kW	919,268	977,093	1,034,495	1,090,055	1,146,192	1,203,857	1,261,516	1,318,287	1,371,535	1,426,309	1,483,153	1,539,473	1,596,430	1,653,405	1,710,003	
Transformer and line efficienc	99.7%	100.0%		99.8%	99.7%	99.7%	99.7%	99.6%	99.8%	99.8%	99.8%	99.7%	99.7%	99.8%	99.7%	0.0%
Hourly average	2,387	2,409	2,392	2,315	2,339	2,403	2,402	2,365	2,219	2,282	2,369	2,347	2,373	2,374	2,358	2,375

OCTOBER 2013																
CNBE Daily Reports Summary Data																
		Tuesday 10/1/2013	Wednesday 10/2/2013	Thursday 10/3/2013	Friday 10/4/2013	Saturday 10/5/2013	Sunday 10/6/2013	Monday 10/7/2013	Tuesday 10/8/2013	Wednesday 10/9/2013	Thursday 10/10/2013	Friday 10/11/2013	Saturday 10/12/2013	Sunday 10/13/2013	Monday 10/14/2013	Tuesday 10/15/2013
Landfill Gas Flow to the Engines (KSCF)		1,343	1,230	1,331	1,367	1,352	1,317	1,341	1,363	1,356	1,370	1,353	1,364	1,365	1,360	1,391
Landfill Gas Flow to the Engines (MMBTU HHV)		702	663	705	718	709	691	704	708	698	705	702	701	696	705	720
Landfill Gas Flow to the Flare (KSCF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MMBTU HHV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)		1,343	1,230	1,331	1,367	1,352	1,317	1,341	1,363	1,356	1,370	1,353	1,364	1,365	1,360	1,391
Landfill Gas Total Flow (MMBTU HHV)		702	663	705	718	709	691	704	708	698	705	702	701	696	705	720
Average Methane Content (%)		51.6	53.2	52.3	51.9	51.8	51.8	51.8	51.3	50.8	50.8	51.3	50.8	50.4	51.2	51.2
Engine 1 Hours		24	23	24	24	24	24	24	24	24	24	14	-	-	-	-
Engine 2 Hours		-	12	24	21	24	24	11	-	-	-	12	24	24	24	23
Engine 3 Hours		24	23	24	14	-	-	13	24	24	24	24	24	24	24	24
Engine 4 Hours		24	8	-	15	24	24	24	24	24	24	24	24	24	24	24
Generator 1 Power Output (kWhr)		19,863	19,008	19,896	19,670	19,004	18,457	19,285	18,508	19,102	19,457	10,094	-	-	-	-
Generator 2 Power Output (kWhr)		-	4,969	16,224	16,853	19,854	19,852	8,888	-	-	-	7,962	18,425	18,424	18,426	18,475
Generator 3 Power Output (kWhr)		19,713	19,441	20,191	11,132	-	-	10,875	20,185	20,174	20,207	20,195	19,069	18,532	19,596	19,476
Generator 4 Power Output (kWhr)		19,696	6,530	-	10,727	19,705	19,703	19,881	20,181	19,428	19,061	20,017	20,170	20,169	19,740	20,171
Gross Power Output (kWhr)		59,268	49,971	56,360	58,448	58,661	58,112	58,981	58,881	58,715	58,737	58,261	57,663	57,130	57,753	58,116
Net Power Output (kWhr)		57,348	48,076	54,272	56,396	56,648	56,100	56,912	56,896	56,804	56,828	56,360	55,808	55,320	56,064	56,388
Power Sold as metered by NStar, (kWhr)		57,184	47,908	54,061	56,248	56,482	55,943	56,752	56,748	56,712	56,649	56,207	55,662	55,178	55,917	56,240
Offgrid RECs (kWhr)		1,920	1,896	2,088	2,052	2,013	2,012	2,069	1,985	1,912	1,907	1,902	1,854	1,810	1,689	1,727
Calculated Performance Results																
Daily																
	Power output (kW average when running)															
	Generator 1	828	826	829	820	792	769	804	771	796	811	721	-	-	-	-
	Generator 2	-	414	676	803	827	827	808	-	-	-	664	768	768	768	803
	Generator 3	821	845	841	795	-	-	837	841	841	842	841	795	772	817	812
	Generator 4	821	816	-	715	821	821	828	841	810	794	834	840	840	823	840
	Power output (kW average over 24-hrs)															
	Facility Gross	2,470	2,082	2,348	2,435	2,444	2,421	2,458	2,453	2,446	2,447	2,428	2,403	2,380	2,406	2,422
	Facility Net	2,390	2,003	2,261	2,350	2,360	2,338	2,371	2,371	2,367	2,368	2,348	2,325	2,305	2,336	2,350
	In-plant load	80	79	87	86	84	84	86	83	80	80	79	77	75	70	72
	Daily availability factor															
	Facility	75%	69%	75%	77%	75%	75%	75%	75%	75%	75%	77%	75%	75%	75%	74%
	Engine 1	100%	96%	100%	100%	100%	100%	100%	100%	100%	100%	58%	0%	0%	0%	0%
	Engine 2	0%	50%	100%	88%	100%	100%	46%	0%	0%	0%	50%	100%	100%	100%	96%
	Engine 3	100%	96%	100%	58%	0%	0%	54%	100%	100%	100%	100%	100%	100%	100%	100%
	Engine 4	100%	33%	0%	63%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	Daily capacity factor															
	Facility	75%	63%	71%	74%	74%	73%	74%	74%	74%	74%	74%	73%	72%	73%	73%
	Engine 1	100%	100%	100%	99%	96%	93%	97%	93%	96%	98%	98%	0%	0%	0%	0%
	Engine 2	0%	50%	82%	97%	100%	100%	98%	0%	0%	0%	80%	93%	93%	93%	97%
	Engine 3	100%	102%	102%	96%	0%	0%	101%	102%	102%	102%	102%	96%	94%	99%	98%
	Engine 4	99%	99%	0%	87%	100%	100%	100%	102%	98%	96%	101%	102%	102%	100%	102%
Cumulative by engine																
	Engine operating run hours in the month															
	Max Cumulative Available, hours	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
	Engine 1	24	47	71	95	119	143	167	191	215	239	253	253	253	253	253
	Engine 2	0	12	36	57	81	105	116	116	116	116	128	152	176	200	223
	Engine 3	24	47	71	85	85	85	98	122	146	170	194	218	242	266	290
	Engine 4	24	32	32	47	71	95	119	143	167	191	215	239	263	287	311
	Engine operating run hours total from 0 hours															
	Engine 1	64,917	64,941	64,964	64,988	65,012	65,036	65,060	65,084	65,108	65,132	65,156	65,170	65,170	65,170	65,170
	Engine 2	59,700	59,700	59,712	59,736	59,757	59,781	59,805	59,816	59,816	59,816	59,828	59,852	59,876	59,900	59,923
	Engine 3	62,204	62,228	62,251	62,275	62,289	62,289	62,289	62,302	62,326	62,350	62,374	62,398	62,422	62,446	62,470
	Engine 4	60,318	60,342	60,350	60,350	60,365	60,389	60,413	60,437	60,461	60,485	60,509	60,533	60,557	60,581	60,605
	Cumulative availability, %	October 1, 2013 @ 00:00 hours														
	Engine 1	100%	98%	99%	99%	99%	99%	99%	99%	100%	100%	96%	88%	81%	75%	70%
	Engine 2	0%	25%	50%	59%	68%	73%	69%	60%	54%	48%	48%	53%	56%	60%	62%
	Engine 3	100%	98%	99%	89%	71%	59%	58%	64%	68%	71%	73%	76%	78%	79%	81%
	Engine 4	100%	67%	44%	49%	59%	66%	71%	74%	77%	80%	81%	83%	84%	85%	86%
	Engine cumulative gross output, kWhr															
	Max cumulative capacity one engine	825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375
	Engine 1	828	1,654	2,483	3,303	4,094	4,864	5,667	6,438	7,234	8,045	8,766	9,586	10,396	11,206	12,016
	Engine 2	-	414	1,090	1,893	2,720	3,547	4,355	4,355	4,355	5,019	5,786	6,554	7,322	8,090	8,858
	Engine 3	821	1,667	2,508	3,303	3,303	3,303	4,140	4,981	5,821	6,663	7,505	8,299	9,071	9,888	10,699
	Engine 4	821	1,637	1,637	2,352	3,173	3,994	4,822	5,663	6,473	7,267	8,101	8,941	9,782	10,604	11,445
	Cumulative capacity factor, %															
	Engine 1	100%	100%	100%	100%	99%	98%	98%	98%	97%	98%	97%	89%	82%	76%	71%
	Engine 2	0%	25%	44%	57%	66%	72%	75%	66%	59%	53%	55%	58%	61%	63%	66%
	Engine 3	100%	101%	101%	100%	80%	67%	72%	75%	78%	81%	83%	84%	85%	86%	86%
	Engine 4	99%	99%	66%	71%	77%	81%	84%	86%	87%	88%	89%	90%	91%	92%	92%

		Tuesday 10/1/2013	Wednesday 10/2/2013	Thursday 10/3/2013	Friday 10/4/2013	Saturday 10/5/2013	Sunday 10/6/2013	Monday 10/7/2013	Tuesday 10/8/2013	Wednesday 10/9/2013	Thursday 10/10/2013	Friday 10/11/2013	Saturday 10/12/2013	Sunday 10/13/2013	Monday 10/14/2013	Tuesday 10/15/2013
Cumulative by Facility in month																
Max cumulative available engine run hours		96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours		72	138	210	284	356	428	500	572	644	716	790	862	934	1,006	1,077
Cumulative Availability, %		75.0%	71.9%	72.9%	74.0%	74.2%	74.3%	74.4%	74.5%	74.5%	74.6%	74.8%	74.8%	74.8%	74.9%	74.8%
Max cumulative gross output, kWhr		79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr		59,268	109,239	165,599	224,047	282,708	340,820	399,801	458,682	517,397	576,134	634,395	692,058	749,188	806,941	865,057
Cumulative Capacity Factor		74.8%	69.0%	69.7%	70.7%	71.4%	71.7%	72.1%	72.4%	72.6%	72.7%	72.8%	72.8%	72.8%	72.8%	72.8%
Cumulative fuel input, MMBtu HHV		702	1,365	2,070	2,787	3,497	4,187	4,891	5,599	6,296	7,001	7,703	8,404	9,100	9,805	10,525
Cumulative gross output, kWhr		59,268	109,239	165,599	224,047	282,708	340,820	399,801	458,682	517,397	576,134	634,395	692,058	749,188	806,941	865,057
Heat Rate																
Daily heat rate, Btu/kWe gross LHV		10,662	11,936	11,260	11,055	10,882	10,699	10,739	10,821	10,697	10,805	10,847	10,942	10,967	10,986	11,156
Daily heat rate, Btu/kWe gross HHV		11,845	13,260	12,509	12,281	12,088	11,886	11,929	12,021	11,883	12,003	12,049	12,155	12,183	12,204	12,392
Cumulative heat rate, Btu/kWe gross LHV		10,662	11,245	11,250	11,199	11,134	11,060	11,012	10,988	10,955	10,939	10,931	10,932	10,934	10,938	10,953
Cumulative heat rate, Btu/kWe gross HHV		11,845	12,492	12,498	12,441	12,368	12,286	12,233	12,206	12,169	12,152	12,143	12,144	12,147	12,151	12,167
Cumulative by Facility starting Calendar Year																
Max cumulative available engine run hours	25,344	25,440	25,536	25,632	25,728	25,824	25,920	26,016	26,112	26,208	26,304	26,400	26,496	26,592	26,688	
Actual cumulative engine run hours	19,166	19,232	19,304	19,378	19,450	19,522	19,594	19,666	19,738	19,810	19,884	19,956	20,028	20,100	20,171	
Cumulative Availability, %	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%
Max cumulative gross output, kWhr	20,908,800	20,988,000	21,067,200	21,146,400	21,225,600	21,304,800	21,384,000	21,463,200	21,542,400	21,621,600	21,700,800	21,780,000	21,859,200	21,938,400	22,017,600	
Actual cumulative gross output, kWhr	15,357,723	15,407,694	15,464,054	15,522,502	15,581,163	15,639,275	15,698,256	15,757,137	15,815,852	15,874,589	15,932,850	15,990,513	16,047,643	16,105,396	16,163,512	
Cumulative Capacity Factor	73.5%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%
Cumulative fuel input, MMBtu HHV	186,941	187,604	188,309	189,027	189,736	190,427	191,130	191,838	192,536	193,241	193,943	194,644	195,340	196,044	196,765	
Cumulative gross output, kWhr	15,357,723	15,407,694	15,464,054	15,522,502	15,581,163	15,639,275	15,698,256	15,757,137	15,815,852	15,874,589	15,932,850	15,990,513	16,047,643	16,105,396	16,163,512	
Cumulative heat rate, Btu/kWe gross LHV	10,958	10,961	10,962	10,962	10,962	10,961	10,960	10,960	10,959	10,958	10,958	10,958	10,958	10,958	10,958	10,958
Cumulative heat rate, Btu/kWe gross HHV	12,172	12,176	12,177	12,178	12,177	12,176	12,175	12,175	12,174	12,173	12,173	12,172	12,172	12,173	12,173	12,173
Service																
Engine 1																
Engine 2			Restarted run at 400 kW overnight													
Engine 3																
Engine 4				Top-end overhaul												
Oil - oil and filter change																
Service - plugs, air filter, valve inspection and adjustment																
Precipitation																
NSTAR Power Reports																
Date		Tuesday 10/1/2013	Wednesday 10/2/2013	Thursday 10/3/2013	Friday 10/4/2013	Saturday 10/5/2013	Sunday 10/6/2013	Monday 10/7/2013	Tuesday 10/8/2013	Wednesday 10/9/2013	Thursday 10/10/2013	Friday 10/11/2013	Saturday 10/12/2013	Sunday 10/13/2013	Monday 10/14/2013	Tuesday 10/15/2013
Hour																
1		2,390	2,377	2,091	2,406	2,380	2,330	2,330	2,407	2,368	2,366	2,358	2,362	2,299	2,300	2,377
2		2,390	2,376	2,091	2,407	2,379	2,332	2,330	2,362	2,368	2,365	2,359	2,366	2,298	2,299	2,377
3		2,390	2,376	2,091	2,407	2,378	2,332	2,330	2,362	2,369	2,369	2,359	2,363	2,300	2,298	2,377
4		2,390	2,377	2,092	2,407	2,378	2,331	2,330	2,364	2,369	2,366	2,359	2,363	2,297	2,301	2,378
5		2,390	2,377	2,092	2,408	2,378	2,331	2,329	2,365	2,370	2,366	2,359	2,365	2,298	2,303	2,375
6		2,390	2,377	2,092	2,408	2,379	2,331	2,329	2,365	2,370	2,369	2,359	2,363	2,297	2,304	2,337
7		2,390	2,377	2,093	2,409	2,379	2,331	2,329	2,365	2,370	2,366	2,360	2,363	2,298	2,301	2,310
8		2,393	2,372	1,802	2,406	2,380	2,331	2,329	2,366	2,369	2,369	2,360	2,349	2,300	2,304	2,302
9		2,388	1,582	2,203	2,393	2,379	2,332	2,326	2,359	2,363	2,365	2,359	2,297	2,297	2,302	2,306
10		2,386	418	2,275	2,205	2,378	2,331	2,324	2,357	2,360	2,363	2,355	2,297	2,299	2,329	2,304
11		2,383	1,264	2,297	1,881	2,377	2,331	2,215	2,358	2,360	2,362	2,355	2,296	2,299	2,326	2,302
12		2,382	1,604	2,327	2,185	2,342	2,331	2,320	2,357	2,359	2,361	2,349	2,295	2,299	2,325	2,002
13		2,381	1,631	2,328	2,405	2,330	2,331	2,342	2,357	2,362	2,360	2,204	2,296	2,299	2,103	2,385
14		2,382	1,786	2,354	2,144	2,330	2,330	2,366	2,359	2,334	2,360	2,234	2,298	2,299	2,368	2,393
15		2,382	1,923	2,338	2,374	2,330	2,330	2,389	2,358	2,330	2,335	2,356	2,299	2,299	2,369	2,391
16		2,379	2,004	2,266	2,374	2,331	2,331	2,423	2,360	2,362	2,352	2,358	2,299	2,299	2,373	2,394
17		2,372	2,068	2,396	2,376	2,331	2,331	2,427	2,363	2,365	2,355	2,362	2,299	2,300	2,374	2,398
18		2,373	2,074	2,401	2,378	2,331	2,331	2,427	2,364	2,366	2,357	2,360	2,299	2,301	2,375	2,398
19		2,372	2,091	2,403	2,378	2,331	2,331	2,426	2,366	2,367	2,357	2,362	2,299	2,301	2,376	2,402
20		2,375	2,091	2,405	2,378	2,332	2,331	2,427	2,367	2,367	2,357	2,219	2,299	2,302	2,377	2,375
21		2,376	2,091	2,406	2,379	2,333	2,331	2,426	2,366	2,367	2,357	2,366	2,298	2,299	2,377	2,339
22		2,376	2,090	2,406	2,380	2,332	2,331	2,426	2,367	2,365	2,357	2,364	2,299	2,299	2,378	2,339
23		2,377	2,091	2,406	2,380	2,332	2,331	2,426	2,367	2,365	2,357	2,367	2,299	2,299	2,378	2,339
24		2,377	2,091	2,406	2,380	2,332	2,330	2,426	2,367	2,367	2,358	2,364	2,299	2,300	2,377	2,340
TOTAL		57,184	47,908	54,061	56,248	56,482	55,943	56,752	56,748	56,712	56,649	56,207	55,662	55,178	55,917	56,240
Cumulative Output Sold, kWhr		57,184	105,092	159,153	215,401	271,883	327,826	384,578	441,326	498,038	554,687	610,894	666,556	721,734	777,651	833,891
Transformer and line efficiency		99.7%	99.7%	99.6%	99.7%	99.7%	99.7%	99.7%	99.7%	99.8%	99.7%	99.7%	99.7%	99.7%	99.7%	99.7%
Hourly average		2,383	1,996	2,253	2,344	2,353	2,331	2,365	2,365	2,363	2,360	2,342	2,319	2,299	2,330	2,343

OCTOBER 2013																		
CNBE Daily Reports Summary Data																		
	Wednesday 10/16/2013	Thursday 10/17/2013	Friday 10/18/2013	Saturday 10/19/2013	Sunday 10/20/2013	Monday 10/21/2013	Tuesday 10/22/2013	Wednesday 10/23/2013	Thursday 10/24/2013	Friday 10/25/2013	Saturday 10/26/2013	Sunday 10/27/2013	Monday 10/28/2013	Tuesday 10/29/2013	Wednesday 10/30/2013	Thursday 10/31/2013	TOTAL	
Landfill Gas Flow to the Engines (K)	1,390	1,402	1,304	1,379	1,404	1,349	1,415	1,329	1,402	1,448	1,456	1,467	1,489	1,491	1,432	1,407	42,765	
Landfill Gas Flow to the Engines (M	730	732	683	726	740	700	740	698	732	747	754	757	758	750	726	732	22,229	
Landfill Gas Flow to the Flare (KSC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,390	1,402	1,304	1,379	1,404	1,349	1,415	1,329	1,402	1,448	1,456	1,467	1,489	1,491	1,432	1,407	42,765	
Landfill Gas Total Flow (MMBTU Hr	730	732	683	726	740	700	740	698	732	747	754	757	758	750	726	732	22,229	
Average Methane Content (%)	51.9	51.6	51.7	52.0	52.1	51.3	51.7	51.9	51.6	51.0	51.2	51.0	50.3	49.7	50.1	51.4	51.4	
Engine 1 Hours	13	24	24	22	23	24	24	24	24	24	24	24	24	24	24	24	623	
Engine 2 Hours	11	1	-	-	-	-	-	2	-	-	-	-	-	-	10	9	256	
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	22	672	
Engine 4 Hours	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	695	
Generator 1 Power Output (kWhr)	10,552	19,837	18,797	16,887	19,288	20,095	20,097	19,746	19,105	19,660	20,102	20,102	20,107	20,111	19,785	19,387	506,002	
Generator 2 Power Output (kWhr)	8,863	-	-	-	-	-	-	2	-	-	-	-	-	-	1,799	1,747	180,763	
Generator 3 Power Output (kWhr)	19,605	20,182	20,198	20,078	20,118	18,542	19,666	19,246	20,203	20,204	20,200	20,208	20,194	20,197	20,161	18,061	555,849	
Generator 4 Power Output (kWhr)	19,852	20,153	20,173	20,066	20,159	20,160	20,158	19,644	20,165	20,162	20,167	20,163	20,162	20,167	16,665	17,209	570,404	
Gross Power Output (kWhr)	58,864	60,166	59,172	57,059	59,629	58,872	59,990	58,712	59,545	60,083	60,531	60,536	60,518	60,525	58,491	56,486	1,814,236	
Net Power Output (kWhr)	57,052	58,244	57,268	55,476	58,080	57,192	58,288	57,080	57,856	58,480	59,072	59,056	58,928	58,832	56,840	55,004	1,758,968	
Power Sold as metered by NStar, (k	56,918	58,103	57,110	55,355	57,975	57,088	58,169	56,982	57,756	58,393	58,984	58,951	58,851	58,754	56,744	54,881	1,754,905	
Offgrid RECs (kWhr)	1,813	1,923	1,903	1,582	1,549	1,680	1,702	1,631	1,690	1,603	1,459	1,480	1,590	1,693	1,651	1,482	55,267	
Calculated Performance Results																		
Daily																		
Power output (kW average whe																		
Generator 1	812	827	783	768	839	837	837	823	796	819	838	838	838	838	824	808		
Generator 2	806	-	-	-	-	-	-	1	-	-	-	-	-	-	180	194		
Generator 3	817	841	842	837	838	773	819	802	842	842	842	842	841	842	840	821		
Generator 4	827	840	841	836	840	840	840	819	840	840	840	840	840	840	694	717		
Power output (kW average over																		
Facility Gross	2,453	2,507	2,466	2,377	2,485	2,453	2,500	2,446	2,481	2,503	2,522	2,522	2,522	2,522	2,437	2,354		
Facility Net	2,377	2,427	2,386	2,312	2,420	2,383	2,429	2,378	2,411	2,437	2,461	2,461	2,455	2,451	2,368	2,292		
In-plant load	76	80	79	66	65	70	71	68	70	67	61	62	66	71	69	62		
Daily availability factor																		
Facility	75%	76%	75%	73%	74%	75%	75%	77%	75%	75%	75%	75%	75%	75%	85%	82%		
Engine 1	54%	100%	100%	92%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 2	46%	4%	0%	0%	0%	0%	0%	8%	0%	0%	0%	0%	0%	0%	42%	38%		
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	92%		
Engine 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Daily capacity factor																		
Facility	74%	76%	75%	72%	75%	74%	76%	74%	75%	76%	76%	76%	76%	76%	74%	71%		
Engine 1	98%	100%	95%	93%	102%	101%	102%	100%	96%	99%	102%	102%	102%	102%	100%	98%		
Engine 2	98%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	22%	24%		
Engine 3	99%	102%	102%	101%	102%	94%	99%	97%	102%	102%	102%	102%	102%	102%	102%	100%		
Engine 4	100%	102%	102%	101%	102%	102%	102%	99%	102%	102%	102%	102%	102%	102%	84%	87%		
Cumulative by engine																		
Engine operating run hours in tr																		
Max Cumulative Available, t	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	744		
Engine 1	266	290	314	336	359	383	407	431	455	479	503	527	551	575	599	575		
Engine 2	234	235	235	235	235	235	235	237	237	237	237	237	237	237	247	246		
Engine 3	314	338	362	386	410	434	458	482	506	530	554	578	602	626	650	624		
Engine 4	335	359	383	407	431	455	479	503	527	551	575	599	623	647	671	647		
Engine operating run hours tota																		
Engine 1	65,183	65,207	65,231	65,253	65,276	65,300	65,324	65,348	65,372	65,396	65,420	65,444	65,468	65,492	65,516	65,492		
Engine 2	59,934	59,935	59,935	59,935	59,935	59,935	59,937	59,937	59,937	59,937	59,937	59,937	59,937	59,937	59,947	59,946		
Engine 3	62,518	62,542	62,566	62,590	62,614	62,638	62,662	62,686	62,710	62,734	62,758	62,782	62,806	62,830	62,854	62,828		
Engine 4	60,653	60,677	60,701	60,725	60,749	60,773	60,797	60,821	60,845	60,869	60,893	60,917	60,941	60,965	60,989	60,965		
Cumulative availability, %																		
Engine 1	69%	71%	73%	74%	75%	76%	77%	78%	79%	80%	81%	81%	82%	83%	83%	77%		
Engine 2	61%	58%	54%	52%	49%	47%	45%	43%	41%	40%	38%	37%	35%	34%	34%	33%		
Engine 3	82%	83%	84%	85%	85%	86%	87%	87%	88%	88%	89%	89%	90%	90%	90%	84%		
Engine 4	87%	88%	89%	89%	90%	90%	91%	91%	91%	92%	92%	92%	93%	93%	93%	87%		
Engine cumulative gross output																		
Max cumulative capacity on	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	23,925		
Engine 1	9,578	10,404	11,187	11,955	12,793	13,631	14,468	15,291	16,087	16,906	17,744	18,581	19,419	20,257	21,081	20,227		
Engine 2	8,931	8,931	8,931	8,931	8,931	8,931	8,931	8,932	8,932	8,932	8,932	8,932	8,932	8,932	9,112	9,126		
Engine 3	11,516	12,357	13,199	14,035	14,874	15,646	16,466	17,267	18,109	18,951	19,793	20,635	21,476	22,318	23,158	22,297		
Engine 4	12,272	13,112	13,952	14,788	15,628	16,468	17,308	18,127	18,967	19,807	20,647	21,487	22,327	23,168	23,862	23,045		
Cumulative capacity factor, %																		
Engine 1	73%	74%	75%	76%	78%	79%	80%	81%	81%	82%	83%	83%	84%	85%	85%	85%		
Engine 2	68%	64%	60%	57%	54%	52%	49%	47%	45%	43%	42%	40%	39%	37%	37%	38%		
Engine 3	87%	88%	89%	90%	90%	90%	91%	91%	91%	92%	92%	93%	93%	93%	94%	93%		
Engine 4	93%	93%	94%	94%	95%	95%	95%	96%	96%	96%	96%	96%	97%	97%	96%	96%		

	Wednesday 10/16/2013	Thursday 10/17/2013	Friday 10/18/2013	Saturday 10/19/2013	Sunday 10/20/2013	Monday 10/21/2013	Tuesday 10/22/2013	Wednesday 10/23/2013	Thursday 10/24/2013	Friday 10/25/2013	Saturday 10/26/2013	Sunday 10/27/2013	Monday 10/28/2013	Tuesday 10/29/2013	Wednesday 10/30/2013	Thursday 10/31/2013	TOTAL
Cumulative by Facility in month																	
Max cumulative available engine run hours	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,976	
Actual cumulative engine run hours	1,149	1,222	1,294	1,364	1,435	1,507	1,579	1,653	1,725	1,797	1,869	1,941	2,013	2,085	2,157	2,229	
Cumulative Availability, %	74.8%	74.9%	74.9%	74.8%	74.7%	74.8%	74.8%	74.9%	74.9%	74.9%	74.9%	74.9%	74.9%	74.9%	75.2%	75.1%	
Max cumulative gross output, kWh	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,455,200	
Actual cumulative gross output, kWh	923,921	984,087	1,043,259	1,100,318	1,159,947	1,218,819	1,278,809	1,337,521	1,397,066	1,457,149	1,517,680	1,578,216	1,638,734	1,699,259	1,757,750	1,817,281	
Cumulative Capacity Factor	72.9%	73.1%	73.2%	73.1%	73.2%	73.3%	73.4%	73.4%	73.5%	73.6%	73.7%	73.8%	73.9%	74.0%	74.0%	73.8%	
Cumulative fuel input, MMBtu/Hr	11,255	11,987	12,670	13,396	14,136	14,836	15,576	16,274	17,007	17,753	18,508	19,265	20,022	20,772	21,498	22,224	
Cumulative gross output, kWh	923,921	984,087	1,043,259	1,100,318	1,159,947	1,218,819	1,278,809	1,337,521	1,397,066	1,457,149	1,517,680	1,578,216	1,638,734	1,699,259	1,757,750	1,817,281	
Heat Rate																	
Daily heat rate, Btu/kWe gross	11,158	10,951	10,389	11,454	11,178	10,708	11,106	10,699	11,071	11,190	11,216	11,258	11,268	11,152	11,166	11,662	
Daily heat rate, Btu/kWe gross	12,395	12,165	11,541	12,724	12,417	11,895	12,337	11,885	12,298	12,431	12,460	12,507	12,517	12,388	12,404	12,955	
Cumulative heat rate, Btu/kWe gross	10,966	10,965	10,932	10,959	10,970	10,958	10,965	10,953	10,958	10,968	10,978	10,988	10,999	11,004	11,010	11,021	
Cumulative heat rate, Btu/kWe gross	12,182	12,181	12,144	12,174	12,187	12,173	12,180	12,167	12,173	12,184	12,195	12,207	12,218	12,224	12,230	12,243	
Cumulative by Facility starting Calendar Year																	
Max cumulative available engine run hours	26,784	26,880	26,976	27,072	27,168	27,264	27,360	27,456	27,552	27,648	27,744	27,840	27,936	28,032	28,128	28,032	
Actual cumulative engine run hours	20,243	20,316	20,388	20,458	20,529	20,601	20,673	20,747	20,819	20,891	20,963	21,035	21,107	21,179	21,251	21,186	
Cumulative Availability, %	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	75.6%	
Max cumulative gross output, kWh	22,096,800	22,176,000	22,255,200	22,334,400	22,413,600	22,492,800	22,572,000	22,651,200	22,730,400	22,809,600	22,888,800	22,968,000	23,047,200	23,126,400	23,205,600	23,126,400	
Actual cumulative gross output, kWh	16,222,376	16,282,542	16,341,714	16,398,773	16,458,402	16,517,274	16,577,264	16,635,976	16,695,521	16,755,604	16,816,135	16,876,671	16,937,189	16,997,714	17,056,205	16,993,675	
Cumulative Capacity Factor	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.5%	73.5%	73.5%	73.5%	73.5%	73.5%	73.5%	73.5%	
Cumulative fuel input, MMBtu/Hr	197,494	198,226	198,909	199,635	200,375	201,076	201,816	202,514	203,246	203,993	204,747	205,504	206,262	207,011	207,737	206,993	
Cumulative gross output, kWh	16,222,376	16,282,542	16,341,714	16,398,773	16,458,402	16,517,274	16,577,264	16,635,976	16,695,521	16,755,604	16,816,135	16,876,671	16,937,189	16,997,714	17,056,205	16,993,675	
Cumulative heat rate, Btu/kWe gross	10,959	10,959	10,957	10,959	10,960	10,959	10,959	10,958	10,959	10,960	10,960	10,962	10,963	10,963	10,964	10,965	
Cumulative heat rate, Btu/kWe gross	12,174	12,174	12,172	12,174	12,175	12,174	12,174	12,173	12,174	12,175	12,176	12,177	12,178	12,179	12,180	12,181	
Service																	
Engine 1																	
Engine 2																	
Engine 3																	
Engine 4																	
Oil - oil and filter change																	
Service - plugs, air filter, valve inspection																	
Precipitation																	
NSTAR Power Reports	Wednesday 10/16/2013	Thursday 10/17/2013	Friday 10/18/2013	Saturday 10/19/2013	Sunday 10/20/2013	Monday 10/21/2013	Tuesday 10/22/2013	Wednesday 10/23/2013	Thursday 10/24/2013	Friday 10/25/2013	Saturday 10/26/2013	Sunday 10/27/2013	Monday 10/28/2013	Tuesday 10/29/2013	Wednesday 10/30/2013	Thursday 10/31/2013	TOTAL
Hour																	
1	2,341	2,438	2,432	2,376	2,454	2,386	2,379	2,448	2,383	2,448	2,456	2,459	2,457	2,452	2,451	2,250	
2	2,341	2,438	2,432	2,376	2,455	2,386	2,380	2,385	2,383	2,448	2,459	2,458	2,457	2,453	2,451	2,250	
3	2,341	2,437	2,432	2,376	2,454	2,387	2,380	2,383	2,383	2,448	2,456	2,458	2,457	2,454	2,451	2,249	
4	2,339	2,438	2,432	2,376	2,453	2,387	2,380	2,384	2,384	2,447	2,457	2,459	2,457	2,454	2,451	2,251	
5	2,342	2,438	2,432	2,377	2,453	2,387	2,379	2,384	2,384	2,438	2,459	2,458	2,458	2,454	2,452	2,251	
6	2,340	2,437	2,432	2,377	2,453	2,387	2,380	2,385	2,384	2,380	2,457	2,459	2,456	2,454	2,452	2,248	
7	2,342	2,437	2,423	2,377	2,453	2,388	2,380	2,385	2,385	2,383	2,457	2,458	2,457	2,453	2,451	2,251	
8	2,341	2,438	2,364	2,379	2,454	2,388	2,397	2,385	2,384	2,380	2,457	2,459	2,457	2,448	2,447	2,250	
9	2,182	2,432	2,362	2,377	2,453	2,383	2,453	2,378	2,380	2,378	2,458	2,458	2,452	2,447	2,442	2,287	
10	2,367	2,430	2,252	2,376	2,450	2,371	2,446	2,286	2,376	2,377	2,457	2,456	2,451	2,444	2,437	2,384	
11	2,371	2,403	2,342	2,377	2,447	2,372	2,445	2,157	2,376	2,378	2,456	2,455	2,450	2,432	2,441	2,007	
12	2,400	2,326	2,359	2,376	2,447	2,370	2,445	2,068	2,377	2,423	2,456	2,455	2,449	2,443	2,443	1,631	
13	2,248	2,336	2,360	2,374	2,338	2,370	2,443	2,365	2,376	2,450	2,457	2,455	2,447	2,444	2,449	1,655	
14	2,304	2,369	2,361	2,374	2,291	2,369	2,440	2,446	2,376	2,451	2,457	2,454	2,448	2,444	2,293	2,389	
15	2,401	2,426	2,364	2,374	1,936	2,370	2,440	2,445	2,403	2,452	2,458	2,453	2,448	2,443	2,099	2,451	
16	2,430	2,426	2,364	2,375	2,452	2,371	2,441	2,446	2,443	2,454	2,458	2,452	2,447	2,442	2,282	2,451	
17	2,435	2,430	2,364	2,375	2,451	2,374	2,444	2,449	2,447	2,457	2,459	2,452	2,445	2,444	2,315	2,453	
18	2,436	2,431	2,365	2,377	2,450	2,375	2,444	2,448	2,447	2,457	2,459	2,453	2,448	2,447	2,314	2,454	
19	2,435	2,430	2,368	2,031	2,451	2,375	2,444	2,438	2,447	2,457	2,459	2,456	2,451	2,449	2,314	2,453	
20	2,436	2,433	2,372	1,833	2,453	2,377	2,444	2,383	2,448	2,457	2,458	2,458	2,452	2,450	2,314	2,453	
21	2,435	2,433	2,374	1,641	2,452	2,378	2,445	2,383	2,448	2,457	2,459	2,457	2,452	2,450	2,248	2,453	
22	2,437	2,432	2,374	2,167	2,452	2,379	2,445	2,383	2,448	2,457	2,458	2,457	2,451	2,451	2,248	2,454	
23	2,437	2,432	2,374	2,458	2,437	2,379	2,447	2,384	2,447	2,458	2,458	2,456	2,452	2,451	2,249	2,453	
24	2,437	2,433	2,376	2,456	2,386	2,379	2,448	2,384	2,447	2,458	2,459	2,456	2,452	2,451	2,250	2,453	
TOTAL	56,918	58,103	57,110	55,355	57,975	57,088	58,169	56,982	57,756	58,393	58,984	58,951	58,851	58,754	56,744	54,881	
Cumulative Output Sold, kWh	890,809	948,912	1,006,022	1,061,377	1,119,352	1,176,440	1,234,609	1,291,591	1,349,347	1,407,740	1,466,724	1,525,675	1,584,526	1,643,280	1,700,024	1,754,905	
Transformer and line efficiency	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%	99.9%	99.8%	99.8%	0.0%
Hourly average	2,372	2,421	2,380	2,306	2,416	2,379	2,424	2,374	2,407	2,433	2,458	2,456	2,452	2,448	2,364	2,287	2,359

NOVEMBER 2013																	
CNBE Daily Reports Summary Data				DLST													
		Friday 11/1/2013	Saturday 11/2/2013	Sunday 11/3/2013	Monday 11/4/2013	Tuesday 11/5/2013	Wednesday 11/6/2013	Thursday 11/7/2013	Friday 11/8/2013	Saturday 11/9/2013	Sunday 11/10/2013	Monday 11/11/2013	Tuesday 11/12/2013	Wednesday 11/13/2013	Thursday 11/14/2013	Friday 11/15/2013	
Landfill Gas Flow to the Engines (KSCF)		654	1,365	1,463	1,452	1,459	1,445	1,265	1,415	1,422	1,416	1,428	1,430	1,436	1,381	1,463	
Landfill Gas Flow to the Engines (MMBTU HHV)		343	715	748	727	739	746	663	727	725	738	730	726	726	707	751	
Landfill Gas Flow to the Flare (KSCF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MMBTU HHV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)		654	1,365	1,463	1,452	1,459	1,445	1,265	1,415	1,422	1,416	1,428	1,430	1,436	1,381	1,463	
Landfill Gas Total Flow (MMBTU HHV)		343	715	748	727	739	746	663	727	725	738	730	726	726	707	751	
Average Methane Content (%)		51.7	51.7	50.5	49.5	50.0	51.0	51.8	50.8	50.4	51.5	50.5	50.1	49.9	50.6	50.7	
Engine 1 Hours		-	23	25	24	24	24	20	15	-	-	-	-	1	11	24	
Engine 2 Hours		-	-	-	2	12	24	15	15	24	24	24	24	24	24	24	
Engine 3 Hours		-	23	25	24	24	24	24	23	24	24	24	24	24	24	24	
Engine 4 Hours		-	23	25	24	15	-	15	23	24	24	24	24	24	15	-	
Generator 1 Power Output (kWhr)		9,214	18,900	20,949	19,700	20,103	20,096	15,592	12,141	-	-	-	-	1	8,282	20,091	
Generator 2 Power Output (kWhr)		568	-	-	306	8,502	19,712	11,843	12,046	20,212	20,210	20,207	20,216	20,211	20,211	20,206	
Generator 3 Power Output (kWhr)		9,264	18,860	21,054	20,209	20,208	20,215	20,215	18,032	20,205	20,206	20,205	20,209	20,208	20,209	20,212	
Generator 4 Power Output (kWhr)		8,654	18,940	21,021	19,778	11,196	12,197	17,976	20,194	20,192	20,190	20,193	19,956	11,272	-	-	
Gross Power Output (kWhr)		27,718	56,702	63,035	60,009	60,040	60,083	59,871	60,181	60,570	60,565	60,556	60,573	60,329	59,962	60,519	
Net Power Output (kWhr)		27,004	55,234	61,380	58,320	58,512	58,620	58,404	58,620	58,968	59,036	58,964	59,008	58,780	58,492	59,096	
Power Sold as metered by NStar, (kWhr)		28,728	55,179	61,278	58,269	58,471	58,521	58,273	58,492	58,846	58,900	58,824	58,886	58,685	58,371	58,986	
Offgrid RECs (kWhr)		714	1,468	1,656	1,689	1,528	1,462	1,467	1,562	1,601	1,529	1,592	1,566	1,548	1,471	1,422	
Calculated Performance Results																	
Daily																	
Power output (kW average when running)																	
Generator 1		-	822	838	821	838	837	780	809	-	-	-	-	1	753	837	
Generator 2		-	-	-	153	709	821	790	803	842	842	842	842	842	842	842	
Generator 3		-	820	842	842	842	842	842	784	842	842	842	842	842	842	842	
Generator 4		-	823	841	824	746	-	813	782	841	841	841	841	832	751	-	
Power output (kW average over 24-hrs)																	
Facility Gross		1,155	2,363	2,521	2,500	2,502	2,503	2,495	2,508	2,524	2,524	2,523	2,524	2,514	2,498	2,522	
Facility Net		1,125	2,301	2,455	2,430	2,438	2,443	2,434	2,443	2,457	2,460	2,457	2,459	2,449	2,437	2,462	
In-plant load		30	61	66	70	64	61	61	65	67	64	66	65	65	61	59	
Daily availability factor																	
Facility		0%	72%	75%	77%	78%	75%	77%	79%	75%	75%	75%	75%	76%	77%	75%	
Engine 1		0%	96%	100%	100%	100%	100%	83%	63%	0%	0%	0%	0%	4%	46%	100%	
Engine 2		0%	0%	0%	8%	50%	100%	63%	63%	100%	100%	100%	100%	100%	100%	100%	
Engine 3		0%	96%	100%	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%	100%	
Engine 4		0%	96%	100%	100%	63%	0%	63%	96%	100%	100%	100%	100%	100%	63%	0%	
Daily capacity factor																	
Facility		35%	72%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	
Engine 1		0%	100%	102%	99%	102%	101%	94%	98%	0%	0%	0%	0%	0%	91%	101%	
Engine 2		0%	0%	0%	19%	86%	100%	96%	97%	102%	102%	102%	102%	102%	102%	102%	
Engine 3		0%	99%	102%	102%	102%	102%	102%	95%	102%	102%	102%	102%	102%	102%	102%	
Engine 4		0%	100%	102%	100%	90%	0%	99%	95%	102%	102%	102%	102%	101%	91%	0%	
Cumulative by engine																	
Engine operating run hours in the month																	
Max Cumulative Available, hours		24	48	73	97	121	145	169	193	217	241	265	289	313	337	361	
Engine 1		0	23	48	72	96	120	140	155	155	155	155	155	156	167	191	
Engine 2		0	0	0	2	14	38	53	68	92	116	140	164	188	212	236	
Engine 3		0	23	48	72	96	120	144	167	191	215	239	263	287	311	335	
Engine 4		0	23	48	72	87	87	102	125	149	173	197	221	245	260	260	
Engine operating run hours total from 0 hours																	
Engine 1	65,553	65,553	65,576	65,601	65,625	65,649	65,673	65,693	65,708	65,708	65,708	65,708	65,708	65,709	65,720	65,744	
Engine 2	59,959	59,959	59,959	59,959	59,961	59,973	59,997	60,012	60,027	60,051	60,075	60,099	60,123	60,147	60,171	60,195	
Engine 3	62,888	62,888	62,911	62,936	62,960	62,984	63,008	63,032	63,055	63,079	63,103	63,127	63,151	63,175	63,199	63,223	
Engine 4	61,024	61,024	61,047	61,072	61,096	61,111	61,111	61,126	61,149	61,173	61,197	61,221	61,245	61,269	61,284	61,284	
Cumulative availability, %	November 1, 2013 @ 00:00 hours																
Engine 1		0%	48%	66%	74%	79%	83%	83%	80%	71%	64%	58%	54%	50%	50%	53%	
Engine 2		0%	0%	0%	2%	12%	26%	31%	35%	42%	48%	53%	57%	60%	63%	65%	
Engine 3		0%	48%	66%	74%	79%	83%	85%	87%	88%	89%	90%	91%	92%	92%	93%	
Engine 4		0%	48%	66%	74%	72%	60%	60%	65%	69%	72%	74%	76%	78%	77%	72%	
Engine cumulative gross output, kWhr																	
Max cumulative capacity one engine		825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375	
Engine 1		-	822	1,660	2,481	3,318	4,155	4,935	5,744	6,544	7,344	8,144	8,944	9,744	10,544	11,344	
Engine 2		-	-	-	153	862	1,683	2,472	3,275	4,118	4,960	5,802	6,644	7,486	8,328	9,170	
Engine 3		-	820	1,662	2,504	3,346	4,188	5,031	5,815	6,657	7,499	8,340	9,182	10,024	10,867	11,709	
Engine 4		-	823	1,664	2,488	3,235	3,235	4,048	4,830	5,671	6,512	7,354	8,195	9,026	9,778	10,619	
Cumulative capacity factor, %																	
Engine 1		0%	50%	67%	75%	80%	84%	85%	87%	77%	70%	63%	58%	54%	56%	59%	
Engine 2		0%	0%	0%	5%	21%	34%	43%	50%	55%	60%	64%	67%	70%	72%	74%	
Engine 3		0%	50%	67%	76%	81%	85%	87%	88%	90%	91%	92%	93%	93%	94%	95%	
Engine 4		0%	50%	67%	75%	78%	65%	70%	73%	76%	79%	81%	83%	84%	85%	79%	

	Friday 11/1/2013	Saturday 11/2/2013	Sunday 11/3/2013	Monday 11/4/2013	Tuesday 11/5/2013	Wednesday 11/6/2013	Thursday 11/7/2013	Friday 11/8/2013	Saturday 11/9/2013	Sunday 11/10/2013	Monday 11/11/2013	Tuesday 11/12/2013	Wednesday 11/13/2013	Thursday 11/14/2013	Friday 11/15/2013
Cumulative by Facility in month															
Max cumulative available engine run hours	96	192	292	388	484	580	676	772	868	964	1,060	1,156	1,252	1,348	1,444
Actual cumulative engine run hours	-	69	144	218	293	365	439	515	587	659	731	803	876	950	1,022
Cumulative Availability, %	0.0%	35.9%	49.3%	56.2%	60.5%	62.9%	64.9%	66.7%	67.6%	68.4%	69.0%	69.5%	70.0%	70.5%	70.8%
Max cumulative gross output, kWhr	79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr	27,718	84,420	147,455	207,464	267,504	327,587	387,458	447,639	508,209	568,774	629,330	689,903	750,232	810,194	870,713
Cumulative Capacity Factor	35.0%	53.3%	62.1%	65.5%	67.6%	68.9%	69.9%	70.7%	71.3%	71.8%	72.2%	72.6%	72.9%	73.1%	73.3%
Cumulative fuel input, MMBtu HHV	343	1,057	1,805	2,532	3,271	4,017	4,680	5,407	6,132	6,869	7,599	8,325	9,051	9,757	10,508
Cumulative gross output, kWhr	27,718	84,420	147,455	207,464	267,504	327,587	387,458	447,639	508,209	568,774	629,330	689,903	750,232	810,194	870,713
Heat Rate															
Daily heat rate, Btu/kWe gross LHV	11,123	11,346	10,685	10,901	11,082	11,177	9,963	10,870	10,778	10,962	10,853	10,788	10,829	10,607	11,165
Daily heat rate, Btu/kWe gross HHV	12,357	12,604	11,870	12,110	12,310	12,416	11,067	12,075	11,973	12,177	12,057	11,984	12,029	11,782	12,403
Cumulative heat rate, Btu/kWe gross LHV	11,123	11,273	11,022	10,987	11,008	11,039	10,873	10,872	10,861	10,872	10,870	10,863	10,860	10,841	10,864
Cumulative heat rate, Btu/kWe gross HHV	12,357	12,523	12,244	12,205	12,229	12,263	12,078	12,078	12,065	12,077	12,075	12,067	12,064	12,043	12,068
Cumulative by Facility starting Calendar Year															
Max cumulative available engine run hours	28,128	28,224	28,324	28,420	28,516	28,612	28,708	28,804	28,900	28,996	29,092	29,188	29,284	29,380	29,476
Actual cumulative engine run hours	21,186	21,255	21,330	21,404	21,479	21,551	21,625	21,701	21,773	21,845	21,917	21,989	22,062	22,136	22,208
Cumulative Availability, %	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%	75.3%
Max cumulative gross output, kWhr	23,205,600	23,284,800	23,364,000	23,443,200	23,522,400	23,601,600	23,680,800	23,760,000	23,839,200	23,918,400	23,997,600	24,076,800	24,156,000	24,235,200	24,314,400
Actual cumulative gross output, kWhr	17,021,393	17,078,095	17,141,130	17,201,139	17,261,179	17,321,262	17,381,133	17,441,314	17,501,884	17,562,449	17,623,005	17,683,578	17,743,907	17,803,869	17,864,388
Cumulative Capacity Factor	73.4%	73.3%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.4%	73.5%	73.5%	73.5%
Cumulative fuel input, MMBtu HHV	207,336	208,051	208,799	209,526	210,265	211,011	211,673	212,400	213,125	213,863	214,593	215,319	216,044	216,751	217,501
Cumulative gross output, kWhr	17,021,393	17,078,095	17,141,130	17,201,139	17,261,179	17,321,262	17,381,133	17,441,314	17,501,884	17,562,449	17,623,005	17,683,578	17,743,907	17,803,869	17,864,388
Cumulative heat rate, Btu/kWe gross LHV	10,965	10,966	10,965	10,965	10,966	10,966	10,963	10,963	10,962	10,962	10,962	10,961	10,961	10,959	10,960
Cumulative heat rate, Btu/kWe gross HHV	12,181	12,182	12,181	12,181	12,181	12,182	12,178	12,178	12,177	12,177	12,177	12,176	12,176	12,174	12,175
Service															
Engine 1	NStar outage					Phil Argelaro upgrades EGS-02 software and optimizes settings.									
Engine 2															
Engine 3															
Engine 4															
Oil - oil and filter change															
Service - plugs, air filter, valve inspection and adjustment															
Precipitation															
NSTAR Power Reports	Friday Date 11/1/2013	Saturday 11/2/2013	Sunday 11/3/2013	Monday 11/4/2013	Tuesday 11/5/2013	Wednesday 11/6/2013	Thursday 11/7/2013	Friday 11/8/2013	Saturday 11/9/2013	Sunday 11/10/2013	Monday 11/11/2013	Tuesday 11/12/2013	Wednesday 11/13/2013	Thursday 11/14/2013	Friday 11/15/2013
Hour															
1	2,454	-	2,453	2,448	2,452	2,442	2,436	2,455	2,451	2,454	2,452	2,453	2,456	2,458	2,457
2	2,453	1,183	2,453	2,447	2,454	2,445	2,436	2,455	2,452	2,454	2,452	2,450	2,456	2,457	2,458
3	2,453	2,456	2,453	2,447	2,454	2,447	2,436	2,454	2,451	2,454	2,452	2,453	2,455	2,456	2,457
4	2,453	2,455	2,452	2,446	2,453	2,447	2,436	2,455	2,451	2,454	2,451	2,450	2,455	2,457	2,459
5	2,453	2,454	2,453	2,447	2,451	2,447	2,436	2,453	2,449	2,454	2,452	2,453	2,457	2,458	2,458
6	2,453	2,454	2,452	2,448	2,453	2,447	2,437	2,454	2,449	2,455	2,451	2,451	2,457	2,458	2,457
7	2,452	2,455	2,452	2,446	2,454	2,447	2,438	2,453	2,453	2,456	2,451	2,452	2,457	2,458	2,458
8	2,451	2,455	2,452	2,445	2,454	2,447	2,437	2,454	2,452	2,454	2,451	2,452	2,455	2,455	2,454
9	2,445	2,456	2,452	2,445	2,449	2,441	2,482	2,387	2,451	2,456	2,450	2,452	2,454	2,450	2,456
10	2,412	2,456	2,452	2,445	2,277	2,432	2,432	2,467	2,451	2,455	2,450	2,452	2,453	2,451	2,455
11	2,463	2,456	2,452	2,445	2,454	2,431	2,437	2,334	2,452	2,455	2,448	2,453	2,453	2,115	2,451
12	1,786	2,455	2,451	2,445	2,455	2,431	2,431	2,274	2,452	2,456	2,446	2,455	2,453	2,281	2,454
13	-	2,454	2,451	2,446	2,403	2,432	2,434	2,441	2,453	2,455	2,449	2,454	2,450	2,511	2,454
14	-	2,454	2,451	1,922	2,394	2,432	2,480	2,469	2,451	2,455	2,450	2,454	2,454	2,378	2,454
15	-	2,454	2,452	2,470	2,422	2,433	2,073	2,439	2,454	2,455	2,452	2,453	2,449	2,400	2,455
16	-	2,454	2,451	2,453	2,441	2,433	2,361	2,433	2,452	2,455	2,453	2,455	2,454	2,459	2,457
17	-	2,454	2,451	2,451	2,444	2,435	2,454	2,453	2,451	2,455	2,451	2,455	2,220	2,463	2,461
18	-	2,454	2,452	2,454	2,445	2,436	2,457	2,454	2,453	2,453	2,451	2,456	2,456	2,459	2,461
19	-	2,454	2,450	2,454	2,446	2,436	2,457	2,450	2,454	2,455	2,454	2,454	2,456	2,457	2,462
20	-	2,454	2,451	2,453	2,445	2,436	2,457	2,452	2,453	2,452	2,450	2,456	2,457	2,458	2,461
21	-	2,453	2,449	2,455	2,442	2,436	2,457	2,452	2,452	2,452	2,454	2,456	2,457	2,459	2,460
22	-	2,453	2,449	2,453	2,444	2,437	2,457	2,452	2,453	2,452	2,451	2,456	2,456	2,457	2,463
23	-	2,453	2,448	2,453	2,441	2,436	2,456	2,451	2,453	2,452	2,453	2,455	2,457	2,457	2,461
24	-	2,453	2,448	2,451	2,444	2,435	2,456	2,451	2,453	2,452	2,450	2,456	2,458	2,459	2,463
TOTAL	28,728	55,179	61,278	58,269	58,471	58,521	58,273	58,492	58,846	58,900	58,824	58,886	58,685	58,371	58,986
Cumulative Output Sold, kWhr	28,728	83,907	145,185	203,454	261,925	320,446	378,719	437,211	496,057	554,957	613,781	672,667	731,352	789,723	848,709
Transformer and line efficiency	106.4%	99.9%	99.8%	99.9%	99.9%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%
Hourly average	1,197	2,299	2,553	2,428	2,436	2,438	2,428	2,437	2,452	2,454	2,451	2,454	2,445	2,432	2,458

NOVEMBER 2013																
CNBE Daily Reports Summary Data																
	Saturday 11/16/2013	Sunday 11/17/2013	Monday 11/18/2013	Tuesday 11/19/2013	Wednesday 11/20/2013	Thursday 11/21/2013	Friday 11/22/2013	Saturday 11/23/2013	Sunday 11/24/2013	Monday 11/25/2013	Tuesday 11/26/2013	Wednesday 11/27/2013	Thursday 11/28/2013	Friday 11/29/2013	Saturday 11/30/2013	TOTAL
Landfill Gas Flow to the Engines (K)	1,461	1,403	1,409	1,432	1,431	1,433	1,594	1,581	1,446	1,463	1,455	1,490	1,257	1,553	1,488	42,392
Landfill Gas Flow to the Engines (M)	753	744	754	747	734	749	821	799	725	741	753	799	571	808	780	21,786
Landfill Gas Flow to the Flare (KSC)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MME)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)	1,461	1,403	1,409	1,432	1,431	1,433	1,594	1,581	1,446	1,463	1,455	1,490	1,257	1,553	1,488	42,392
Landfill Gas Total Flow (MMBTU Hr)	753	744	754	747	734	749	821	799	725	741	753	799	571	808	780	21,786
Average Methane Content (%)	50.9	52.4	52.8	51.5	50.7	51.7	50.9	49.9	49.6	50.1	51.1	53.0	44.9	51.4	51.8	50.8
Engine 1 Hours	24	24	24	24	24	24	24	24	24	12	15	24	15	24	24	521
Engine 2 Hours	24	10	-	3	-	8	24	24	12	14	10	15	17	24	24	445
Engine 3 Hours	24	24	24	24	24	24	24	24	24	24	24	24	18	24	19	684
Engine 4 Hours	-	12	24	24	24	24	24	24	24	24	24	24	17	24	24	577
Generator 1 Power Output (kWhr)	20,097	20,096	20,101	20,103	20,107	18,638	16,691	15,828	17,941	8,930	12,253	18,628	8,500	18,476	18,376	419,834
Generator 2 Power Output (kWhr)	20,209	8,532	-	-	-	3,325	12,695	12,699	5,910	11,183	7,607	7,586	8,492	12,918	13,872	319,478
Generator 3 Power Output (kWhr)	20,213	20,209	20,216	20,207	20,209	18,813	16,769	15,773	18,033	20,209	20,211	18,504	11,929	17,986	12,976	561,768
Generator 4 Power Output (kWhr)	-	10,338	20,190	20,186	20,186	19,108	19,535	18,526	19,413	20,192	20,186	18,249	11,360	15,457	16,851	471,536
Gross Power Output (kWhr)	60,539	59,176	60,491	60,491	60,492	59,867	65,684	62,842	61,307	60,492	60,231	62,964	40,363	64,881	62,127	1,772,660
Net Power Output (kWhr)	59,188	57,960	59,240	59,092	59,068	58,496	64,144	61,304	59,752	58,992	58,804	61,460	39,128	62,940	60,348	1,728,354
Power Sold as metered by NStar, (kWhr)	59,074	57,852	59,084	58,970	58,982	58,393	64,012	61,175	59,663	58,886	58,662	61,309	39,072	62,867	60,253	1,726,963
Offgrid RECs (kWhr)	1,352	1,214	1,252	1,400	1,423	1,371	1,540	1,539	1,554	1,500	1,427	1,504	1,235	1,941	1,779	44,306
Calculated Performance Results																
Daily																
Power output (kW average whe																
Generator 1	837	837	838	838	838	777	695	660	748	744	817	776	567	770	766	
Generator 2	842	853	-	-	-	416	529	529	493	799	761	506	500	538	578	
Generator 3	842	842	842	842	842	784	699	657	751	842	842	771	663	749	683	
Generator 4	-	862	841	841	841	796	814	772	809	841	841	760	668	644	702	
Power output (kW average over																
Facility Gross	2,522	2,466	2,520	2,520	2,521	2,494	2,737	2,618	2,554	2,521	2,510	2,624	1,682	2,703	2,589	
Facility Net	2,466	2,415	2,468	2,462	2,461	2,437	2,673	2,554	2,490	2,458	2,450	2,561	1,630	2,623	2,515	
In-plant load	56	51	52	58	59	57	64	64	65	63	59	63	51	81	74	
Daily availability factor																
Facility	75%	73%	75%	78%	75%	83%	100%	100%	88%	77%	76%	91%	70%	100%	95%	
Engine 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	63%	100%	63%	100%	100%	
Engine 2	100%	42%	0%	13%	0%	33%	100%	100%	50%	58%	42%	63%	71%	100%	100%	
Engine 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	75%	100%	79%	
Engine 4	0%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	71%	100%	100%	
Daily capacity factor																
Facility	76%	75%	76%	76%	76%	76%	83%	79%	77%	76%	76%	80%	51%	82%	78%	
Engine 1	102%	101%	102%	102%	102%	94%	84%	80%	91%	90%	99%	94%	69%	93%	93%	
Engine 2	102%	103%	0%	0%	0%	50%	64%	64%	60%	97%	92%	61%	61%	65%	70%	
Engine 3	102%	102%	102%	102%	102%	95%	85%	80%	91%	102%	102%	93%	80%	91%	83%	
Engine 4	0%	104%	102%	102%	102%	97%	99%	94%	98%	102%	102%	92%	81%	78%	85%	
Cumulative by engine																
Engine operating run hours in tr																
Max Cumulative Available, t	385	409	433	457	481	505	529	553	577	601	625	649	673	697	721	
Engine 1	215	239	263	287	311	335	359	383	407	419	434	458	473	497	521	
Engine 2	260	270	270	273	273	281	305	329	341	355	365	380	397	421	445	
Engine 3	359	383	407	431	455	479	503	527	551	575	599	623	641	665	684	
Engine 4	260	272	296	320	344	368	392	416	440	464	488	512	529	553	577	
Engine operating run hours tota																
Engine 1	65,768	65,792	65,816	65,840	65,864	65,888	65,912	65,936	65,960	65,972	65,987	66,011	66,026	66,050	66,074	
Engine 2	60,219	60,229	60,229	60,232	60,232	60,240	60,264	60,288	60,300	60,314	60,324	60,339	60,356	60,380	60,404	
Engine 3	63,247	63,271	63,295	63,319	63,343	63,367	63,391	63,415	63,439	63,463	63,487	63,511	63,529	63,553	63,572	
Engine 4	61,284	61,296	61,320	61,344	61,368	61,392	61,416	61,440	61,464	61,488	61,512	61,536	61,553	61,577	61,601	
Cumulative availability, %																
Engine 1	56%	58%	61%	63%	65%	66%	68%	69%	71%	70%	69%	71%	70%	71%	72%	
Engine 2	68%	66%	62%	60%	57%	56%	58%	59%	59%	59%	58%	59%	59%	60%	62%	
Engine 3	93%	94%	94%	94%	95%	95%	95%	95%	95%	96%	96%	96%	95%	95%	95%	
Engine 4	68%	67%	68%	70%	72%	73%	74%	75%	76%	77%	78%	79%	79%	79%	80%	
Engine cumulative gross output																
Max cumulative capacity on	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	
Engine 1	8,173	9,010	9,848	10,685	11,523	12,300	12,995	13,655	14,402	15,146	15,963	16,739	17,306	18,076	18,842	
Engine 2	10,012	10,865	10,865	10,865	10,865	11,281	11,810	12,339	12,832	13,630	14,391	14,897	15,396	15,935	16,513	
Engine 3	12,551	13,393	14,235	15,077	15,919	16,703	17,402	18,059	18,810	19,652	20,495	21,266	21,928	22,678	23,361	
Engine 4	9,778	10,639	11,481	12,322	13,163	13,959	14,773	15,545	16,354	17,195	18,036	18,796	19,465	20,109	20,811	
Cumulative capacity factor, %																
Engine 1	62%	64%	66%	68%	70%	71%	72%	72%	73%	73%	74%	75%	75%	76%	76%	
Engine 2	76%	77%	73%	69%	66%	65%	65%	65%	65%	66%	67%	67%	67%	67%	67%	
Engine 3	95%	95%	96%	96%	96%	96%	96%	95%	95%	95%	96%	95%	95%	95%	94%	
Engine 4	74%	76%	77%	79%	80%	81%	81%	82%	83%	83%	84%	84%	84%	84%	84%	

	Saturday 11/16/2013	Sunday 11/17/2013	Monday 11/18/2013	Tuesday 11/19/2013	Wednesday 11/20/2013	Thursday 11/21/2013	Friday 11/22/2013	Saturday 11/23/2013	Sunday 11/24/2013	Monday 11/25/2013	Tuesday 11/26/2013	Wednesday 11/27/2013	Thursday 11/28/2013	Friday 11/29/2013	Saturday 11/30/2013	TOTAL
Cumulative by Facility in month																
Max cumulative available engine run hours	1,540	1,636	1,732	1,828	1,924	2,020	2,116	2,212	2,308	2,404	2,500	2,596	2,692	2,788	2,884	
Actual cumulative engine run hours	1,094	1,164	1,236	1,311	1,383	1,463	1,559	1,655	1,739	1,813	1,886	1,973	2,040	2,136	2,227	
Cumulative Availability, %	71.0%	71.1%	71.4%	71.7%	71.9%	72.4%	73.7%	74.8%	75.3%	75.4%	75.4%	76.0%	75.8%	76.6%	77.2%	
Max cumulative gross output, kWh	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	
Actual cumulative gross output, kWh	931,252	990,428	1,050,919	1,111,410	1,171,902	1,231,769	1,297,453	1,360,295	1,421,602	1,482,094	1,542,325	1,605,289	1,645,652	1,710,533	1,772,660	
Cumulative Capacity Factor	73.5%	73.6%	73.7%	73.9%	74.0%	74.1%	74.5%	74.7%	74.8%	74.9%	74.9%	75.1%	74.2%	74.5%	74.6%	
Cumulative fuel input, MMBtu/Hr	11,261	12,005	12,758	13,505	14,239	14,989	15,809	16,608	17,334	18,075	18,828	19,627	20,197	21,006	21,786	
Cumulative gross output, kWh	931,252	990,428	1,050,919	1,111,410	1,171,902	1,231,769	1,297,453	1,360,295	1,421,602	1,482,094	1,542,325	1,605,289	1,645,652	1,710,533	1,772,660	
Heat Rate																
Daily heat rate, Btu/kWe gross	11,197	11,310	11,218	11,114	10,927	11,264	11,250	11,443	10,650	11,029	11,259	11,420	12,728	11,212	11,303	
Daily heat rate, Btu/kWe gross	12,438	12,564	12,461	12,346	12,139	12,513	12,498	12,711	11,831	12,251	12,507	12,687	14,139	12,455	12,557	
Cumulative heat rate, Btu/kWe gross	10,885	10,911	10,929	10,939	10,938	10,954	10,969	10,991	10,976	10,978	10,989	11,006	11,048	11,055	11,063	
Cumulative heat rate, Btu/kWe gross	12,092	12,121	12,140	12,151	12,151	12,168	12,185	12,209	12,193	12,195	12,207	12,226	12,273	12,280	12,290	
Cumulative by Facility starting Calendar Year																
Max cumulative available engine run hours	29,572	29,668	29,764	29,860	29,956	30,052	30,148	30,244	30,340	30,436	30,532	30,628	30,724	30,820	30,916	
Actual cumulative engine run hours	22,280	22,350	22,422	22,497	22,569	22,649	22,745	22,841	22,925	22,999	23,072	23,159	23,226	23,322	23,413	
Cumulative Availability, %	75.3%	75.3%	75.3%	75.3%	75.3%	75.4%	75.4%	75.5%	75.6%	75.6%	75.6%	75.6%	75.6%	75.7%	75.7%	
Max cumulative gross output, kWh	24,393,600	24,472,800	24,552,000	24,631,200	24,710,400	24,789,600	24,868,800	24,948,000	25,027,200	25,106,400	25,185,600	25,264,800	25,344,000	25,423,200	25,502,400	
Actual cumulative gross output, kWh	17,924,927	17,984,103	18,044,594	18,105,085	18,165,577	18,225,444	18,291,128	18,353,970	18,415,277	18,475,769	18,536,000	18,598,964	18,639,327	18,704,208	18,766,335	
Cumulative Capacity Factor	73.5%	73.5%	73.5%	73.5%	73.5%	73.5%	73.6%	73.6%	73.6%	73.6%	73.6%	73.6%	73.5%	73.6%	73.6%	
Cumulative fuel input, MMBtu/Hr	218,254	218,998	219,752	220,499	221,233	221,982	222,803	223,602	224,327	225,068	225,821	226,620	227,191	227,999	228,779	
Cumulative gross output, kWh	17,924,927	17,984,103	18,044,594	18,105,085	18,165,577	18,225,444	18,291,128	18,353,970	18,415,277	18,475,769	18,536,000	18,598,964	18,639,327	18,704,208	18,766,335	
Cumulative heat rate, Btu/kWe gross	10,961	10,962	10,963	10,963	10,963	10,964	10,965	10,967	10,966	10,966	10,967	10,969	10,972	10,973	10,974	
Cumulative heat rate, Btu/kWe gross	12,176	12,177	12,178	12,179	12,179	12,180	12,181	12,183	12,182	12,182	12,183	12,185	12,189	12,190	12,191	
Service																
Engine 1																
Engine 2				Idled 4th engine		District making connections							NStar outage			
Engine 3																
Engine 4																
Oil - oil and filter change																
Service - plugs, air filter, valve inspection																
Precipitation																
NSTAR Power Reports	Saturday Date 11/16/2013	Sunday 11/17/2013	Monday 11/18/2013	Tuesday 11/19/2013	Wednesday 11/20/2013	Thursday 11/21/2013	Friday 11/22/2013	Saturday 11/23/2013	Sunday 11/24/2013	Monday 11/25/2013	Tuesday 11/26/2013	Wednesday 11/27/2013	Thursday 11/28/2013	Friday 11/29/2013	Saturday 11/30/2013	TOTAL
Hour																
1	2,460	2,462	2,467	2,460	2,456	2,458	2,695	2,625	2,527	2,457	2,449	2,458	2,518	2,775	2,578	
2	2,462	2,461	2,467	2,461	2,459	2,459	2,695	2,624	2,526	2,455	2,446	2,458	2,462	2,748	2,579	
3	2,460	2,461	2,466	2,461	2,458	2,461	2,697	2,624	2,528	2,456	2,447	2,458	2,455	2,679	2,579	
4	2,463	2,461	2,466	2,460	2,457	2,459	2,695	2,617	2,527	2,454	2,449	2,458	2,457	2,680	2,032	
5	2,460	2,462	2,466	2,461	2,456	2,462	2,694	2,577	2,527	2,457	2,448	2,461	2,455	2,678	2,058	
6	2,461	2,461	2,466	2,461	2,458	2,459	2,697	2,574	2,524	2,455	2,447	2,458	2,458	2,677	2,059	
7	2,463	2,463	2,467	2,462	2,459	2,461	2,694	2,548	2,527	2,459	2,446	2,460	2,457	2,676	2,059	
8	2,460	2,461	2,466	2,461	2,458	2,459	2,693	2,529	2,526	2,455	2,448	2,458	2,456	2,642	2,059	
9	2,463	2,463	2,463	2,450	2,453	2,460	2,692	2,527	2,523	2,451	2,328	2,505	2,311	2,583	2,267	
10	2,462	2,463	2,463	2,455	2,455	2,610	2,692	2,528	2,523	2,447	2,376	2,635	-	2,585	2,707	
11	2,461	1,783	2,463	2,451	2,453	2,559	2,692	2,528	2,524	2,501	2,457	2,656	-	2,581	2,663	
12	2,461	1,849	2,462	2,451	2,456	2,563	2,692	2,528	2,421	2,468	2,455	2,657	-	2,583	2,665	
13	2,460	2,459	2,461	2,451	2,457	2,200	2,693	2,529	2,456	2,447	2,452	2,656	-	2,584	2,662	
14	2,460	2,467	2,460	2,451	2,454	1,462	2,693	2,529	2,455	2,447	2,454	2,657	520	2,583	2,666	
15	2,460	2,468	2,457	2,453	2,457	1,762	2,664	2,529	2,455	2,444	2,452	2,657	2,391	2,586	2,663	
16	2,461	2,468	2,456	2,457	2,456	2,462	2,628	2,529	2,455	2,446	2,453	2,656	2,349	2,583	2,663	
17	2,462	2,468	2,455	2,458	2,460	2,464	2,626	2,530	2,453	2,449	2,457	2,655	1,180	2,582	2,660	
18	2,462	2,467	2,457	2,458	2,461	2,463	2,627	2,529	2,455	2,449	2,457	2,610	229	2,585	2,661	
19	2,462	2,468	2,458	2,459	2,459	2,463	2,626	2,529	2,454	2,448	2,455	2,587	671	2,581	2,662	
20	2,463	2,468	2,458	2,458	2,461	2,475	2,626	2,530	2,454	2,450	2,457	2,588	38	2,581	2,662	
21	2,463	2,468	2,459	2,458	2,460	2,687	2,625	2,528	2,457	2,447	2,458	2,564	1,205	2,578	2,661	
22	2,461	2,467	2,460	2,458	2,458	2,696	2,625	2,528	2,455	2,450	2,456	2,521	2,768	2,581	2,664	
23	2,461	2,467	2,460	2,458	2,460	2,695	2,626	2,528	2,457	2,446	2,457	2,516	2,872	2,578	2,661	
24	2,463	2,467	2,461	2,457	2,461	2,694	2,625	2,528	2,454	2,448	2,458	2,520	2,820	2,578	2,663	
TOTAL	59,074	57,852	59,084	58,970	58,982	58,393	64,012	61,175	59,663	58,886	58,662	61,309	39,072	62,867	60,253	
Cumulative Output Sold, kWh	907,783	965,635	1,024,719	1,083,689	1,142,671	1,201,064	1,265,076	1,326,251	1,385,914	1,444,800	1,503,462	1,564,771	1,603,843	1,666,710	1,726,963	
Transformer and line efficiency	99.8%	99.8%	99.7%	99.8%	99.9%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.8%	0.0%
Hourly average	2,461	2,411	2,462	2,457	2,458	2,433	2,667	2,549	2,486	2,454	2,444	2,555	1,628	2,619	2,511	2,399

DECEMBER 2013																
CNBE Daily Reports Summary Data																
		Sunday 12/1/2013	Monday 12/2/2013	Tuesday 12/3/2013	Wednesday 12/4/2013	Thursday 12/5/2013	Friday 12/6/2013	Saturday 12/7/2013	Sunday 12/8/2013	Monday 12/9/2013	Tuesday 12/10/2013	Wednesday 12/11/2013	Thursday 12/12/2013	Friday 12/13/2013	Saturday 12/14/2013	Sunday 12/15/2013
Landfill Gas Flow to the Engines (KSCF)		1,538	1,522	1,519	1,427	1,347	1,375	1,353	1,273	1,419	1,416	1,477	1,485	1,469	1,416	1,476
Landfill Gas Flow to the Engines (MMBTU HHV)		809	799	795	751	723	744	733	689	779	768	783	785	776	745	795
Landfill Gas Flow to the Flare (KSCF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Flow to the Flare (MMBTU HHV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Landfill Gas Total Flow (KSCF)		1,538	1,522	1,519	1,427	1,347	1,375	1,353	1,273	1,419	1,416	1,477	1,485	1,469	1,416	1,476
Landfill Gas Total Flow (MMBTU HHV)		809	799	795	751	723	744	733	689	779	768	783	785	776	745	795
Average Methane Content (%)		52.0	51.8	51.7	52.0	53.1	53.5	53.5	54.2	53.6	52.4	52.2	52.2	52.0	52.0	53.2
Engine 1 Hours		24	24	24	8	-	1	-	-	15	24	24	24	24	24	24
Engine 2 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Engine 3 Hours		24	24	24	24	24	24	24	24	24	22	24	24	24	24	24
Engine 4 Hours		24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Generator 1 Power Output (kWhr)		17,858	17,858	17,607	5,745	-	-	-	-	6,524	16,289	17,091	16,688	16,000	15,520	16,688
Generator 2 Power Output (kWhr)		14,427	14,431	14,431	18,205	20,206	20,210	20,212	20,205	19,695	17,923	16,425	16,427	16,433	16,431	16,443
Generator 3 Power Output (kWhr)		16,754	15,923	15,457	18,564	20,196	20,198	20,199	20,193	17,009	12,319	13,491	13,794	13,797	13,794	13,801
Generator 4 Power Output (kWhr)		15,761	15,452	15,452	18,556	20,180	20,179	20,183	20,184	19,341	16,954	15,999	15,641	15,234	15,572	15,998
Gross Power Output (kWhr)		64,823	63,705	62,988	61,066	60,564	60,559	60,572	60,564	62,587	63,546	63,058	62,596	61,525	61,390	62,999
Net Power Output (kWhr)		63,020	61,932	61,208	59,452	59,076	59,068	59,020	58,968	60,836	61,780	61,280	60,768	59,696	59,584	61,188
Power Sold as metered by NStar, (kWhr)		62,898	61,791	61,067	59,322	58,912	58,899	58,877	58,853	60,686	61,659	61,186	60,697	59,595	59,482	61,063
Offgrid RECs (kWhr)		1,802	1,773	1,780	1,613	1,488	1,491	1,552	1,596	1,752	1,766	1,778	1,829	1,828	1,806	1,812
Calculated Performance Results																
Daily																
Power output (kW average when running)																
Generator 1		744	744	734	718	-	-	-	-	435	679	712	695	667	647	695
Generator 2		601	601	601	759	842	842	842	842	821	747	684	684	685	685	685
Generator 3		698	663	644	774	842	842	842	841	709	560	562	575	575	575	575
Generator 4		657	644	644	773	841	841	841	841	806	706	667	652	635	649	667
Power output (kW average over 24-hrs)																
Facility Gross		2,701	2,654	2,625	2,544	2,524	2,523	2,524	2,524	2,608	2,648	2,627	2,608	2,564	2,558	2,625
Facility Net		2,626	2,581	2,550	2,477	2,462	2,461	2,459	2,457	2,535	2,574	2,553	2,532	2,487	2,483	2,550
In-plant load		75	74	74	67	62	62	65	67	73	74	74	76	76	75	75
Daily availability factor																
Facility		100%	100%	100%	83%	75%	76%	75%	75%	91%	98%	100%	100%	100%	100%	100%
Engine 1		100%	100%	100%	33%	0%	4%	0%	0%	63%	100%	100%	100%	100%	100%	100%
Engine 2		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 3		100%	100%	100%	100%	100%	100%	100%	100%	100%	92%	100%	100%	100%	100%	100%
Engine 4		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Daily capacity factor																
Facility		82%	80%	80%	77%	76%	76%	76%	76%	79%	80%	80%	79%	78%	78%	80%
Engine 1		90%	90%	89%	87%	0%	0%	0%	0%	53%	82%	86%	84%	81%	78%	84%
Engine 2		73%	73%	73%	92%	102%	102%	102%	102%	99%	91%	83%	83%	83%	83%	83%
Engine 3		85%	80%	78%	94%	102%	102%	102%	102%	86%	68%	68%	70%	70%	70%	70%
Engine 4		80%	78%	78%	94%	102%	102%	102%	102%	98%	86%	81%	79%	77%	79%	81%
Cumulative by engine																
Engine operating run hours in the month																
Max Cumulative Available, hours		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine 1		24	48	72	80	80	81	81	81	96	120	144	168	192	216	240
Engine 2		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine 3		24	48	72	96	120	144	168	192	216	238	262	286	310	334	358
Engine 4		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Engine operating run hours total from 0 hours																
Engine 1	66,072	66,096	66,120	66,144	66,152	66,152	66,153	66,153	66,153	66,168	66,192	66,216	66,240	66,264	66,288	66,312
Engine 2	60,404	60,428	60,452	60,476	60,500	60,524	60,548	60,572	60,596	60,620	60,644	60,668	60,692	60,716	60,740	60,764
Engine 3	63,572	63,596	63,620	63,644	63,668	63,692	63,716	63,740	63,764	63,788	63,810	63,834	63,858	63,882	63,906	63,930
Engine 4	61,601	61,625	61,649	61,673	61,697	61,721	61,745	61,769	61,793	61,817	61,841	61,865	61,889	61,913	61,937	61,961
Cumulative availability, %	December 1, 2013 @ 00:00 hours															
Engine 1		100%	100%	100%	83%	67%	56%	48%	42%	44%	50%	55%	58%	62%	64%	67%
Engine 2		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine 3		100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	99%	99%	99%	99%	99%
Engine 4		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Engine cumulative gross output, kWhr																
Max cumulative capacity one engine		825	1,650	2,475	3,300	4,125	4,950	5,775	6,600	7,425	8,250	9,075	9,900	10,725	11,550	12,375
Engine 1		744	1,488	2,232	2,940	2,940	2,940	2,940	2,940	3,375	4,054	4,766	5,461	6,128	6,774	7,470
Engine 2		601	1,202	1,804	2,562	3,404	4,246	5,088	5,930	6,751	7,498	8,182	8,867	9,551	10,236	10,921
Engine 3		698	1,362	2,006	2,779	3,621	4,462	5,304	6,145	6,854	7,414	7,976	8,551	9,126	9,700	10,275
Engine 4		657	1,301	1,944	2,718	3,558	4,399	5,240	6,081	6,887	7,593	8,260	8,912	9,547	10,195	10,862
Cumulative capacity factor, %																
Engine 1		90%	90%	90%	89%	71%	59%	51%	45%	45%	49%	53%	55%	57%	59%	60%
Engine 2		73%	73%	73%	78%	83%	86%	88%	90%	91%	91%	90%	90%	89%	89%	88%
Engine 3		85%	83%	81%	84%	88%	90%	92%	93%	92%	90%	88%	86%	85%	84%	83%
Engine 4		80%	79%	79%	82%	86%	89%	91%	92%	93%	92%	91%	90%	89%	88%	88%

		Sunday 12/1/2013	Monday 12/2/2013	Tuesday 12/3/2013	Wednesday 12/4/2013	Thursday 12/5/2013	Friday 12/6/2013	Saturday 12/7/2013	Sunday 12/8/2013	Monday 12/9/2013	Tuesday 12/10/2013	Wednesday 12/11/2013	Thursday 12/12/2013	Friday 12/13/2013	Saturday 12/14/2013	Sunday 12/15/2013
Cumulative by Facility in month																
Max cumulative available engine run hours		96	192	288	384	480	576	672	768	864	960	1,056	1,152	1,248	1,344	1,440
Actual cumulative engine run hours		96	192	288	368	440	513	585	657	744	838	934	1,030	1,126	1,222	1,318
Cumulative Availability, %		100.0%	100.0%	100.0%	95.8%	91.7%	89.1%	87.1%	85.5%	86.1%	87.3%	88.4%	89.4%	90.2%	90.9%	91.5%
Max cumulative gross output, kWhr		79,200	158,400	237,600	316,800	396,000	475,200	554,400	633,600	712,800	792,000	871,200	950,400	1,029,600	1,108,800	1,188,000
Actual cumulative gross output, kWhr		64,823	128,528	191,516	252,582	313,146	373,705	434,277	494,841	557,428	620,974	684,032	746,628	808,153	869,543	932,542
Cumulative Capacity Factor		81.8%	81.1%	80.6%	79.7%	79.1%	78.6%	78.3%	78.1%	78.2%	78.4%	78.5%	78.6%	78.5%	78.4%	78.5%
Cumulative fuel input, MMBtu HHV		809	1,607	2,402	3,153	3,876	4,620	5,353	6,042	6,821	7,589	8,372	9,157	9,934	10,679	11,474
Cumulative gross output, kWhr		64,823	128,528	191,516	252,582	313,146	373,705	434,277	494,841	557,428	620,974	684,032	746,628	808,153	869,543	932,542
Heat Rate																
Daily heat rate, Btu/kWe gross LHV		11,228	11,283	11,363	11,068	10,749	11,061	10,894	10,242	11,197	10,878	11,184	11,292	11,357	10,926	11,358
Daily heat rate, Btu/kWe gross HHV		12,472	12,534	12,623	12,295	11,941	12,287	12,101	11,378	12,439	12,084	12,423	12,544	12,616	12,137	12,618
Cumulative heat rate, Btu/kWe gross LHV		11,228	11,255	11,291	11,237	11,143	11,129	11,096	10,992	11,015	11,001	11,018	11,041	11,065	11,055	11,076
Cumulative heat rate, Btu/kWe gross HHV		12,472	12,503	12,543	12,483	12,378	12,363	12,327	12,211	12,236	12,221	12,239	12,265	12,292	12,281	12,303
Cumulative by Facility starting Calendar Year																
Max cumulative available engine run hours		31,012	31,108	31,204	31,300	31,396	31,492	31,588	31,684	31,780	31,876	31,972	32,068	32,164	32,260	32,356
Actual cumulative engine run hours		23,509	23,605	23,701	23,781	23,853	23,926	23,998	24,070	24,157	24,251	24,347	24,443	24,539	24,635	24,731
Cumulative Availability, %		75.8%	75.9%	76.0%	76.0%	76.0%	76.0%	76.0%	76.0%	76.0%	76.1%	76.2%	76.2%	76.3%	76.4%	76.4%
Max cumulative gross output, kWhr		25,581,600	25,660,800	25,740,000	25,819,200	25,898,400	25,977,600	26,056,800	26,136,000	26,215,200	26,294,400	26,373,600	26,452,800	26,532,000	26,611,200	26,690,400
Actual cumulative gross output, kWhr		18,831,158	18,894,863	18,957,851	19,018,917	19,079,481	19,140,040	19,200,612	19,261,176	19,323,763	19,387,309	19,450,367	19,512,963	19,574,488	19,635,878	19,698,877
Cumulative Capacity Factor		73.6%	73.6%	73.7%	73.7%	73.7%	73.7%	73.7%	73.7%	73.7%	73.7%	73.7%	73.8%	73.8%	73.8%	73.8%
Cumulative fuel input, MMBtu HHV		229,588	230,386	231,181	231,932	232,655	233,399	234,132	234,821	235,600	236,368	237,151	237,936	238,713	239,458	240,253
Cumulative gross output, kWhr		18,831,158	18,894,863	18,957,851	19,018,917	19,079,481	19,140,040	19,200,612	19,261,176	19,323,763	19,387,309	19,450,367	19,512,963	19,574,488	19,635,878	19,698,877
Cumulative heat rate, Btu/kWe gross LHV		10,975	10,976	10,977	10,978	10,977	10,977	10,977	10,975	10,975	10,975	10,976	10,977	10,978	10,978	10,979
Cumulative heat rate, Btu/kWe gross HHV		12,192	12,193	12,194	12,195	12,194	12,194	12,194	12,191	12,192	12,192	12,193	12,194	12,195	12,195	12,196
Service																
Engine 1																
Engine 2				Operations meeting												
Engine 3																
Engine 4																
Oil - oil and filter change																
Service - plugs, air filter, valve inspection and adjustment																
Precipitation																
NSTAR Power Reports																
Date		Sunday 12/1/2013	Monday 12/2/2013	Tuesday 12/3/2013	Wednesday 12/4/2013	Thursday 12/5/2013	Friday 12/6/2013	Saturday 12/7/2013	Sunday 12/8/2013	Monday 12/9/2013	Tuesday 12/10/2013	Wednesday 12/11/2013	Thursday 12/12/2013	Friday 12/13/2013	Saturday 12/14/2013	Sunday 12/15/2013
Hour																
1		2,664	2,607	2,557	2,506	2,455	2,454	2,455	2,452	2,452	2,516	2,566	2,563	2,514	2,463	2,560
2		2,662	2,610	2,557	2,506	2,455	2,456	2,454	2,452	2,453	2,518	2,566	2,562	2,514	2,464	2,561
3		2,662	2,609	2,556	2,506	2,455	2,456	2,453	2,452	2,453	2,517	2,563	2,562	2,513	2,463	2,561
4		2,663	2,608	2,558	2,507	2,456	2,454	2,453	2,452	2,453	2,516	2,566	2,559	2,514	2,463	2,562
5		2,660	2,610	2,556	2,509	2,458	2,455	2,453	2,450	2,453	2,517	2,566	2,561	2,513	2,465	2,563
6		2,645	2,608	2,556	2,506	2,457	2,457	2,456	2,452	2,454	2,518	2,566	2,564	2,512	2,464	2,562
7		2,611	2,608	2,558	2,506	2,456	2,456	2,454	2,450	2,454	2,518	2,563	2,561	2,513	2,464	2,562
8		2,610	2,609	2,556	2,504	2,460	2,456	2,456	2,450	2,453	2,518	2,566	2,562	2,514	2,464	2,564
9		2,612	2,590	2,556	2,450	2,457	2,456	2,452	2,453	2,451	2,470	2,494	2,527	2,508	2,464	2,564
10		2,612	2,553	2,555	2,452	2,451	2,452	2,456	2,452	2,449	2,440	2,467	2,506	2,505	2,464	2,563
11		2,608	2,555	2,552	2,451	2,451	2,445	2,455	2,454	2,585	2,439	2,467	2,509	2,460	2,463	2,564
12		2,607	2,552	2,553	2,453	2,452	2,449	2,454	2,454	2,601	2,638	2,489	2,509	2,459	2,463	2,563
13		2,608	2,556	2,551	2,454	2,452	2,454	2,454	2,453	2,604	2,691	2,543	2,510	2,461	2,464	2,560
14		2,605	2,556	2,549	2,455	2,452	2,456	2,455	2,452	2,609	2,693	2,563	2,511	2,460	2,464	2,560
15		2,609	2,554	2,550	2,454	2,454	2,455	2,454	2,455	2,606	2,685	2,566	2,511	2,462	2,465	2,562
16		2,608	2,557	2,552	2,455	2,454	2,456	2,452	2,453	2,610	2,665	2,565	2,514	2,463	2,466	2,541
17		2,608	2,556	2,551	2,455	2,454	2,455	2,453	2,453	2,609	2,618	2,567	2,511	2,464	2,466	2,511
18		2,606	2,559	2,554	2,457	2,455	2,455	2,452	2,452	2,611	2,617	2,564	2,513	2,464	2,505	2,512
19		2,606	2,555	2,548	2,458	2,455	2,453	2,451	2,452	2,608	2,619	2,563	2,515	2,464	2,514	2,512
20		2,606	2,555	2,507	2,455	2,455	2,453	2,451	2,452	2,609	2,617	2,563	2,512	2,463	2,513	2,512
21		2,606	2,556	2,510	2,455	2,454	2,455	2,451	2,452	2,569	2,615	2,564	2,514	2,464	2,514	2,511
22		2,605	2,556	2,508	2,455	2,454	2,455	2,451	2,452	2,514	2,582	2,563	2,514	2,465	2,514	2,511
23		2,606	2,555	2,508	2,456	2,455	2,452	2,451	2,452	2,512	2,566	2,563	2,513	2,464	2,513	2,511
24		2,609	2,557	2,509	2,457	2,455	2,454	2,451	2,452	2,514	2,566	2,563	2,514	2,462	2,520	2,511
TOTAL		62,898	61,791	61,067	59,322	58,912	58,899	58,877	58,853	60,686	61,659	61,186	60,697	59,595	59,482	61,063
Cumulative Output Sold, kWhr		62,898	124,689	185,756	245,078	303,990	362,889	421,766	480,619	541,305	602,964	664,150	724,847	784,442	843,924	904,987
Transformer and line efficiency		99.8%	99.8%	99.8%	99.8%	99.7%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%
Hourly average		2,621	2,575	2,544	2,472	2,455	2,454	2,453	2,452	2,529	2,569	2,549	2,529	2,483	2,478	2,544

DECEMBER 2013

DECEMBER 2013																		
CNBE Daily Reports Summary Data																		
	Monday 12/16/2013	Tuesday 12/17/2013	Wednesday 12/18/2013	Thursday 12/19/2013	Friday 12/20/2013	Saturday 12/21/2013	Sunday 12/22/2013	Monday 12/23/2013	Tuesday 12/24/2013	Wednesday 12/25/2013	Thursday 12/26/2013	Friday 12/27/2013	Saturday 12/28/2013	Sunday 12/29/2013	Monday 12/30/2013	Tuesday 12/31/2013	TOTAL	
Landfill Gas Flow to the Engines (K)	1,398	1,366	1,372	1,479	540	1,347	1,515	1,512	1,511	1,519	1,505	1,489	1,491	1,488	1,473	1,504	44,020	
Landfill Gas Flow to the Engines (M	750	740	736	763	295	656	806	795	795	789	798	783	792	805	779	795	23,349	
Landfill Gas Flow to the Flare (KSC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Flow to the Flare (MME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Landfill Gas Total Flow (KSCF)	1,398	1,366	1,372	1,479	540	1,347	1,515	1,512	1,511	1,519	1,505	1,489	1,491	1,488	1,473	1,504	44,020	
Landfill Gas Total Flow (MMBTU Hr)	750	740	736	763	295	656	806	795	795	789	798	783	792	805	779	795	23,349	
Average Methane Content (%)	53.0	53.5	53.0	51.0	54.0	48.1	52.5	52.0	52.0	51.3	52.4	51.9	52.5	53.4	52.3	52.3	52.4	
Engine 1 Hours	24	24	24	24	8	18	24	24	24	24	24	24	24	24	24	24	602	
Engine 2 Hours	22	-	-	15	9	20	24	24	24	24	24	24	24	24	24	24	666	
Engine 3 Hours	24	24	24	24	8	20	24	24	24	24	24	24	24	24	24	24	722	
Engine 4 Hours	24	24	24	23	9	20	24	24	24	24	24	24	24	24	24	24	724	
Generator 1 Power Output (kWhr)	16,318	20,098	20,096	19,192	6,141	12,839	17,862	17,859	17,856	17,859	17,860	17,860	17,861	17,861	17,853	17,855	437,138	
Generator 2 Power Output (kWhr)	15,051	-	-	9,078	4,996	10,503	14,438	14,443	14,448	14,443	14,445	14,446	14,445	14,445	14,440	14,427	446,152	
Generator 3 Power Output (kWhr)	14,243	20,201	20,213	19,291	6,183	13,040	17,965	17,970	17,974	17,227	17,416	17,963	17,966	17,960	17,580	16,770	515,451	
Generator 4 Power Output (kWhr)	15,697	20,189	20,181	14,767	4,927	10,463	14,091	13,181	13,184	13,198	14,120	13,188	13,468	13,676	13,252	13,817	482,085	
Gross Power Output (kWhr)	61,363	60,489	60,487	62,342	22,303	46,984	64,377	63,465	63,487	62,759	63,861	63,481	63,762	63,928	63,067	62,773	1,881,470	
Net Power Output (kWhr)	59,516	58,848	58,960	60,724	21,728	45,796	62,804	61,904	61,944	61,224	62,340	61,912	62,252	62,456	61,504	61,244	1,832,032	
Power Sold as metered by NStar, (k	59,413	58,771	58,837	60,592	21,700	45,724	62,680	61,798	61,840	61,159	62,250	61,810	62,124	62,335	61,385	61,135	1,828,540	
Offgrid RECs (kWhr)	1,846	1,640	1,528	1,618	573	1,189	1,573	1,561	1,544	1,535	1,521	1,569	1,510	1,472	1,563	1,529	49,437	
Calculated Performance Results																		
Daily																		
Power output (kW average whe																		2.6%
Generator 1	680	837	837	800	768	713	744	744	744	744	744	744	744	744	744	744		
Generator 2	684	-	-	605	555	525	602	602	602	602	602	602	602	602	602	601		
Generator 3	593	842	842	804	773	652	749	749	749	718	726	748	749	748	733	699		
Generator 4	654	841	841	642	547	523	587	549	549	550	588	550	561	570	552	576		
Power output (kW average over																		
Facility Gross	2,557	2,520	2,520	2,598	929	1,958	2,682	2,644	2,645	2,615	2,661	2,645	2,657	2,664	2,628	2,616		
Facility Net	2,480	2,452	2,457	2,530	905	1,908	2,617	2,579	2,581	2,551	2,598	2,580	2,594	2,602	2,563	2,552		
In-plant load	77	68	64	67	24	50	66	65	64	64	63	65	63	61	65	64		
Daily availability factor																		
Facility	98%	75%	75%	90%	35%	81%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 1	100%	100%	100%	100%	33%	75%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 2	92%	0%	0%	63%	38%	83%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 3	100%	100%	100%	100%	33%	83%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Engine 4	100%	100%	100%	96%	38%	83%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Daily capacity factor																		
Facility	77%	76%	76%	79%	28%	59%	81%	80%	80%	79%	81%	80%	81%	81%	80%	79%		
Engine 1	82%	102%	101%	97%	93%	86%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%		
Engine 2	83%	0%	0%	73%	67%	64%	73%	73%	73%	73%	73%	73%	73%	73%	73%	73%		
Engine 3	72%	102%	102%	97%	94%	79%	91%	91%	91%	87%	88%	91%	91%	91%	89%	85%		
Engine 4	79%	102%	102%	78%	66%	63%	71%	67%	67%	67%	71%	67%	68%	69%	67%	70%		
Cumulative by engine																		
Engine operating run hours in tr																		
Max Cumulative Available, t	384	408	432	456	480	504	528	552	576	600	624	648	672	696	720	744		
Engine 1	264	288	312	336	344	362	386	410	434	458	482	506	530	554	578	554		
Engine 2	382	382	382	397	406	426	450	474	498	522	546	570	594	618	642	618		
Engine 3	382	406	430	454	462	482	506	530	554	578	602	626	650	674	698	674		
Engine 4	384	408	432	455	464	484	508	532	556	580	604	628	652	676	700	676		
Engine operating run hours tota																		
Engine 1	66,336	66,360	66,384	66,408	66,416	66,434	66,458	66,482	66,506	66,530	66,554	66,578	66,602	66,626	66,650	66,626		
Engine 2	60,786	60,786	60,786	60,801	60,810	60,830	60,854	60,878	60,902	60,926	60,950	60,974	60,998	61,022	61,046	61,022		
Engine 3	63,954	63,978	64,002	64,026	64,034	64,054	64,078	64,102	64,126	64,150	64,174	64,198	64,222	64,246	64,270	64,246		
Engine 4	61,985	62,009	62,033	62,056	62,065	62,085	62,109	62,133	62,157	62,181	62,205	62,229	62,253	62,277	62,301	62,277		
Cumulative availability, %																		
Engine 1	69%	71%	72%	74%	72%	72%	73%	74%	75%	76%	77%	78%	79%	80%	80%	74%		
Engine 2	99%	94%	88%	87%	85%	85%	85%	86%	86%	87%	88%	88%	88%	89%	89%	83%		
Engine 3	99%	100%	100%	100%	96%	96%	96%	96%	96%	96%	96%	97%	97%	97%	97%	91%		
Engine 4	100%	100%	100%	100%	97%	96%	96%	96%	97%	97%	97%	97%	97%	97%	97%	91%		
Engine cumulative gross output																		
Max cumulative capacity on	13,200	14,025	14,850	15,675	16,500	17,325	18,150	18,975	19,800	20,625	21,450	22,275	23,100	23,925	24,750	23,925		
Engine 1	8,150	8,987	9,824	10,624	11,392	12,105	12,849	13,593	14,337	15,081	15,826	16,570	17,314	18,058	18,802	18,058		
Engine 2	11,605	11,605	11,605	12,210	12,765	13,291	13,892	14,494	15,096	15,698	16,300	16,902	17,503	18,105	18,707	18,105		
Engine 3	10,869	11,711	12,553	13,357	14,129	14,781	15,530	16,279	17,028	17,745	18,471	19,220	19,968	20,716	21,449	20,667		
Engine 4	11,516	12,357	13,198	13,840	14,388	14,911	15,498	16,047	16,596	17,146	17,735	18,284	18,845	19,415	19,967	19,421		
Cumulative capacity factor, %																		
Engine 1	62%	64%	66%	68%	69%	70%	71%	72%	72%	73%	74%	74%	75%	75%	76%	75%		
Engine 2	88%	83%	78%	78%	77%	77%	77%	76%	76%	76%	76%	76%	76%	76%	76%	76%		
Engine 3	82%	83%	85%	85%	86%	85%	86%	86%	86%	86%	86%	86%	86%	86%	87%	86%		
Engine 4	87%	88%	89%	88%	87%	86%	85%	85%	84%	83%	83%	82%	82%	81%	81%	81%		

	Monday 12/16/2013	Tuesday 12/17/2013	Wednesday 12/18/2013	Thursday 12/19/2013	Friday 12/20/2013	Saturday 12/21/2013	Sunday 12/22/2013	Monday 12/23/2013	Tuesday 12/24/2013	Wednesday 12/25/2013	Thursday 12/26/2013	Friday 12/27/2013	Saturday 12/28/2013	Sunday 12/29/2013	Monday 12/30/2013	Tuesday 12/31/2013	TOTAL
Cumulative by Facility in month																	
Max cumulative available engin	1,536	1,632	1,728	1,824	1,920	2,016	2,112	2,208	2,304	2,400	2,496	2,592	2,688	2,784	2,880	2,784	
Actual cumulative engine run h	1,412	1,484	1,556	1,642	1,676	1,754	1,850	1,946	2,042	2,138	2,234	2,330	2,426	2,522	2,618	2,522	
Cumulative Availability, %	91.9%	90.9%	90.0%	90.0%	87.3%	87.0%	87.6%	88.1%	88.6%	89.1%	89.5%	89.9%	90.3%	90.6%	90.9%	90.6%	
Max cumulative gross output, kW	1,267,200	1,346,400	1,425,600	1,504,800	1,584,000	1,663,200	1,742,400	1,821,600	1,900,800	1,980,000	2,059,200	2,138,400	2,217,600	2,296,800	2,376,000	2,296,800	
Actual cumulative gross output, kW	993,905	1,054,394	1,114,881	1,177,223	1,199,526	1,246,510	1,310,887	1,374,352	1,437,839	1,500,598	1,564,459	1,627,940	1,691,702	1,755,630	1,818,697	1,754,475	
Cumulative Capacity Factor	78.4%	78.3%	78.2%	78.2%	75.7%	74.9%	75.2%	75.4%	75.6%	75.8%	76.0%	76.1%	76.3%	76.4%	76.5%	76.4%	
Cumulative fuel input, MMBtu H	12,223	12,963	13,699	14,462	14,757	15,413	16,218	17,013	17,809	18,598	19,396	20,178	20,970	21,775	22,554	21,766	
Cumulative gross output, kWhr	993,905	1,054,394	1,114,881	1,177,223	1,199,526	1,246,510	1,310,887	1,374,352	1,437,839	1,500,598	1,564,459	1,627,940	1,691,702	1,755,630	1,818,697	1,754,475	
Heat Rate																	
Daily heat rate, Btu/kWe gross t	11,000	11,005	10,951	11,020	11,915	12,565	11,263	11,278	11,274	11,317	11,250	11,098	11,183	11,330	11,121	11,405	
Daily heat rate, Btu/kWe gross t	12,219	12,225	12,165	12,242	13,236	13,958	12,512	12,528	12,524	12,572	12,497	12,328	12,423	12,586	12,354	12,669	
Cumulative heat rate, Btu/kWe g	11,071	11,067	11,061	11,059	11,075	11,131	11,137	11,144	11,149	11,157	11,160	11,158	11,159	11,165	11,164	11,168	
Cumulative heat rate, Btu/kWe g	12,298	12,294	12,287	12,285	12,302	12,365	12,372	12,379	12,386	12,393	12,398	12,395	12,396	12,403	12,401	12,406	
Cumulative by Facility starting C																	
Max cumulative available engin	32,452	32,548	32,644	32,740	32,836	32,932	33,028	33,124	33,220	33,316	33,412	33,508	33,604	33,700	33,796	33,700	
Actual cumulative engine run h	24,825	24,897	24,969	25,055	25,089	25,167	25,263	25,359	25,455	25,551	25,647	25,743	25,839	25,935	26,031	25,935	
Cumulative Availability, %	76.5%	76.5%	76.5%	76.5%	76.4%	76.4%	76.5%	76.6%	76.6%	76.7%	76.8%	76.8%	76.9%	77.0%	77.0%	77.0%	
Max cumulative gross output, kW	26,769,600	26,848,800	26,928,000	27,007,200	27,086,400	27,165,600	27,244,800	27,324,000	27,403,200	27,482,400	27,561,600	27,640,800	27,720,000	27,799,200	27,878,400	27,799,200	
Actual cumulative gross output, kW	19,760,240	19,820,729	19,881,216	19,943,558	19,965,861	20,012,845	20,077,222	20,140,687	20,204,174	20,266,933	20,330,794	20,394,275	20,458,037	20,521,965	20,585,032	20,520,810	
Cumulative Capacity Factor	73.8%	73.8%	73.8%	73.8%	73.7%	73.7%	73.7%	73.7%	73.7%	73.7%	73.8%	73.8%	73.8%	73.8%	73.8%	73.8%	
Cumulative fuel input, MMBtu H	241,002	241,742	242,478	243,241	243,536	244,192	244,997	245,792	246,588	247,377	248,175	248,957	249,749	250,554	251,333	250,545	
Cumulative gross output, kWhr	19,760,240	19,820,729	19,881,216	19,943,558	19,965,861	20,012,845	20,077,222	20,140,687	20,204,174	20,266,933	20,330,794	20,394,275	20,458,037	20,521,965	20,585,032	20,520,810	
Cumulative heat rate, Btu/kWe g	10,979	10,979	10,979	10,979	10,980	10,984	10,985	10,986	10,987	10,988	10,989	10,989	10,990	10,991	10,991	10,991	
Cumulative heat rate, Btu/kWe g	12,196	12,196	12,196	12,196	12,198	12,202	12,203	12,204	12,205	12,206	12,207	12,207	12,208	12,209	12,210	12,209	
Service																	
Engine 1																	
Engine 2																	
Engine 3																	
Engine 4																	
Oil - oil and filter change																	
Service - plugs, air filter, valve inspe																	
Precipitation																	
NSTAR Power Reports	Monday Date Hour	Tuesday 12/17/2013	Wednesday 12/18/2013	Thursday 12/19/2013	Friday 12/20/2013	Saturday 12/21/2013	Sunday 12/22/2013	Monday 12/23/2013	Tuesday 12/24/2013	Wednesday 12/25/2013	Thursday 12/26/2013	Friday 12/27/2013	Saturday 12/28/2013	Sunday 12/29/2013	Monday 12/30/2013	Tuesday 12/31/2013	TOTAL
1	2,511	2,447	2,450	2,454	2,155	2,630	2,624	2,574	2,575	2,575	2,546	2,576	2,578	2,576	2,625	2,517	
2	2,512	2,448	2,450	2,454	-	2,630	2,623	2,575	2,577	2,575	2,583	2,577	2,578	2,576	2,601	2,516	
3	2,512	2,448	2,450	2,454	-	2,630	2,626	2,574	2,576	2,575	2,580	2,574	2,576	2,578	2,577	2,519	
4	2,511	2,448	2,451	2,454	-	2,629	2,623	2,575	2,576	2,574	2,582	2,574	2,578	2,577	2,576	2,520	
5	2,510	2,449	2,451	2,454	-	2,629	2,624	2,574	2,576	2,579	2,579	2,578	2,580	2,575	2,575	2,521	
6	2,510	2,449	2,451	2,456	-	2,628	2,626	2,575	2,575	2,578	2,577	2,576	2,576	2,578	2,577	2,521	
7	2,511	2,450	2,451	2,455	-	2,628	2,623	2,574	2,576	2,579	2,581	2,574	2,576	2,577	2,569	2,520	
8	2,498	2,450	2,452	2,453	-	2,628	2,626	2,572	2,575	2,579	2,580	2,577	2,579	2,576	2,574	2,516	
9	2,458	2,444	2,454	2,511	-	2,628	2,626	2,572	2,577	2,580	2,579	2,577	2,577	2,577	2,569	2,513	
10	2,460	2,447	2,449	2,487	-	2,628	2,622	2,574	2,577	2,532	2,576	2,571	2,576	2,577	2,569	2,520	
11	2,458	2,446	2,449	2,460	-	2,630	2,625	2,575	2,578	2,526	2,578	2,571	2,577	2,578	2,571	2,519	
12	2,458	2,446	2,449	2,659	-	2,628	2,625	2,578	2,578	2,528	2,622	2,574	2,578	2,578	2,569	2,551	
13	2,458	2,447	2,450	2,628	-	2,630	2,625	2,573	2,579	2,527	2,628	2,574	2,580	2,580	2,570	2,572	
14	2,463	2,448	2,451	2,616	-	2,630	2,622	2,569	2,579	2,528	2,628	2,575	2,628	2,581	2,570	2,572	
15	2,462	2,448	2,451	2,616	-	414	2,624	2,578	2,578	2,530	2,630	2,577	2,628	2,614	2,570	2,573	
16	2,463	2,451	2,450	2,615	-	-	2,624	2,574	2,578	2,526	2,630	2,577	2,626	2,629	2,570	2,574	
17	2,462	2,451	2,451	2,562	1,150	-	2,622	2,577	2,577	2,528	2,628	2,575	2,626	2,628	2,546	2,577	
18	2,464	2,452	2,455	2,543	2,624	-	2,624	2,578	2,577	2,534	2,625	2,576	2,624	2,626	2,515	2,575	
19	2,464	2,452	2,451	2,544	2,625	-	2,579	2,578	2,577	2,531	2,625	2,578	2,602	2,626	2,517	2,574	
20	2,464	2,451	2,454	2,543	2,629	-	2,572	2,577	2,575	2,533	2,592	2,574	2,576	2,627	2,520	2,575	
21	2,464	2,450	2,451	2,543	2,630	625	2,572	2,577	2,576	2,537	2,574	2,575	2,577	2,627	2,520	2,575	
22	2,447	2,450	2,457	2,545	2,627	2,629	2,574	2,576	2,576	2,536	2,576	2,577	2,575	2,626	2,512	2,574	
23	2,446	2,449	2,455	2,545	2,630	2,626	2,575	2,575	2,576	2,534	2,577	2,577	2,576	2,625	2,512	2,570	
24	2,447	2,450	2,454	2,541	2,630	2,624	2,574	2,574	2,576	2,535	2,574	2,576	2,577	2,623	2,511	2,571	
TOTAL	59,413	58,771	58,837	60,592	21,700	45,724	62,680	61,798	61,840	61,159	62,250	61,810	62,124	62,335	61,385	61,135	
Cumulative Output Sold, kW	964,400	1,023,171	1,082,008	1,142,600	1,164,300	1,210,024	1,272,704	1,334,502	1,396,342	1,457,501	1,519,751	1,581,561	1,643,685	1,706,020	1,767,405	1,828,540	
Transformer and line efficienc	99.8%	99.8%	99.8%	99.8%	99.9%	99.9%	99.8%	99.8%	99.8%	99.9%	99.9%	99.8%	99.8%	99.8%	99.8%	99.8%	0.0%
Hourly average	2,476	2,449	2,452	2,525	904	1,905	2,612	2,575	2,577	2,548	2,594	2,575	2,589	2,597	2,558	2,547	2,458

Exhibit 6

Calibration records for the LFG flow rate and methane content

Landfill Gas Flow Calculation								
Crapo Hill Landfill, New Bedford/Dartmouth, Massachusetts								
Note: Calculation of volumetric flow of LFG through a pipe using a pitot tube and manometer.								
		Engine 1, kW	830	830	830	775	840	740
		Engine 2, kW	830	-	-	-	820	600
		Engine 3, kW	-	840	840	840	840	650
		Engine 4, kW	840	840	840	840	-	650
		Gross, kW	2,500	2,510	2,510	2,455	2,500	2,640
MEASURING INSTRUMENT:		Pitot Tube:	166	166	166	166	166	166
		Manometer:	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II	Dwyer Mark II
DATE OF MEASUREMENT:			12-Jul-13	1-Aug-13	9-Sep-13	9-Oct-13	6-Nov-13	3-Dec-13
TIME OF MEASUREMENT:			10:30	11:30	12:00	13:45	11:30	12:00
PARAMETERS		UNITS	VALUES	VALUES	VALUES	VALUES	VALUES	VALUES
Pipe dimensions								
Inside Diameter		inches	10.420	10.420	10.420	10.420	10.420	10.420
Area of cross section		square feet	0.5922	0.5922	0.5922	0.5922	0.5922	0.5922
Flow Calculation								
Kp	pitot tube constant	ft/sec[(lb/lb-mole)(in. Hg)/(R)(in H2O)]*1/2	85.49	85.49	85.49	85.49	85.49	85.49
Cp	Pitot tube coefficient	dimensionless	1.00	1.00	1.00	1.00	1.00	1.00
dP	Average velocity pressure of stack gas	in H2O	0.197	0.207	0.198	0.213	0.213	0.212
Blower Inlet								
Ts	Stack temperature	Degrees Fahrenheit	78	81	80	80	75	65
		Degrees Rankine	538	541	540	540	535	525
Pg	Stack static pressure	inch H2O	-54	-60	-60	-60	-60	-60
		inch Hg	(3.97)	(4.41)	(4.41)	(4.41)	(4.41)	(4.41)
Ps	Absolute stack gas pressure	inch Hg	26.13	25.57	25.59	26.00	25.59	25.51
Blower Outlet								
Ts	Stack temperature	Degrees Fahrenheit	117	122	125	125	122	115
		Degrees Rankine	577	582	585	585	582	575
Pg	Stack static pressure	inch H2O	52.6	52.6	52.6	52.6	52.6	52.6
		inch Hg	3.87	3.87	3.87	3.87	3.87	3.87
		psig	1.90	1.90	1.90	1.90	1.90	1.90
Pbar	Barometric pressure	inch Hg	30.10	29.98	30.00	30.41	30.00	29.92
Ps	Absolute stack gas pressure	inch Hg	33.97	33.85	33.87	34.28	33.87	33.79
Ms	Molecular weight of stack gas, wet	lb/lb-mole	27.84	27.77	27.98	28.08	27.91	27.97
Vs	Average stack gas velocity	feet per second	32.6	33.9	33.0	34.0	34.2	33.8
Qact	Volumetric Flow	actual cubic feet per minute	1,159	1,205	1,173	1,207	1,214	1,200
Qstd	Volumetric Flow at actual methane content	standard cubic feet per minute *	993	1,005	981	1,025	1,025	1,029
Qstd corr	Volumetric Flow at 50% methane	standard cubic feet per minute **	1,059	1,054	1,001	1,037	1,045	1,064
Ht HHV	Heat input	MMBtu per hour HHV	32.14	31.99	30.38	31.50	31.74	32.31
Ht LHV	Heat input	MMBtu per hour LHV	28.93	28.79	27.35	28.35	28.57	29.08
	Methane Content	%, vol/vol wet	53.30%	52.40%	51.00%	50.60%	51.00%	51.70%
Diff. between pitot tube and orifice reading:			2.4%	2.0%	0.8%	2.3%	1.7%	0.5%
dP	Delta pressure across orifice plate	inches H2O	7.30	7.65	7.50	7.75	8.00	8.20
Qact	Volumetric Flow	acfm	933	959	952	968	981	987
Qstd	Volumetric Flow at actual methane content	standard cubic feet per minute *	970	985	973	1,001	1,008	1,024
Qstd	Volumetric Flow at 50% methane	standard cubic feet per minute **	1,034	1,032	993	1,013	1,028	1,059
Ht HHV	Heat input	MMBtu per hour HHV	31.38	31.33	30.13	30.76	31.20	32.14
Ht LHV	Heat input	MMBtu per hour LHV	28.25	28.21	27.13	27.69	28.09	28.93
* Standard conditions are corrected to 68 degrees F and 29.92 in Hg at actual methane content.								
** Standard conditions corrected to 50 % methane content.								
Input values are in blue or bold.								
Calculated output values are in black or not bold.								
Calculation Formulas:								
Vs = Kp*Cp*(sqrt dP) * sqrt (Ts/(Ps*Ms))								
Qact = Vs * A * 60								
Qstd = Qact * Tstd/ Ts * Ps/Pstd								
Flow, ACFM = 96.3221*SQRT(dP)*SQRT((460+Temperature)/(2.703*(Pressure +14.7)))								
Conversions and constants								
13.5958 in H2O/in Hg								
1 PSI = 2.036 in HG								
1 PSI = 27.68 in WG								
Tstd = 528 degrees R								
Pstd = 29.92 in Hg								
Methane heat content = 1,012 BTU per scf HHV								
Methane heat content = 911 BTU per scf LHV								

Landfill Gas Flow Measurements						
Crapo Hill Landfill, New Bedford/Dartmouth, Massachusetts						
Measurements by	TY/RB	TY/RB	TY/RB	TY/RB	TY/RB	TY/RB
Date	12-Jul-13	1-Aug-13	9-Sep-13	9-Oct-13	6-Nov-13	3-Dec-13
Time	10:30	11:30	12:00	13:45	11:30	12:00
Flow valve						
Pipe inside diameter, inches	10.42	10.42	10.42	10.42	10.42	10.42
Orifice measurement, cfm	NA	NA	NA	NA	NA	NA
Ambient Temperature, F	82	80	80	65	49	40
Barometric Pressure, In Hg	30.10	29.98	30.00	30.41	30.00	29.92
Blower Inlet Temperature, F	78	81	80	80	75	65
Outlet Temperature, F	117	122	125	125	122	115
Blower Inlet Pressure (SP), In H2O	-54	-60	-60	-60	-60	-60
Blower Outlet Pressure, PSIG	1.9	1.9	1.9	1.9	1.9	1.9
Blower Outlet Pressure, In H2O	52.59	52.59	52.59	52.59	52.59	52.59
Measurement						
Manometer						
Pitot Tube						
Velocity Pressure (dP)						
Point						
1	0.20	0.21	0.20	0.21	0.21	0.20
2	0.20	0.21	0.20	0.21	0.21	0.20
3	0.20	0.21	0.20	0.21	0.21	0.21
4	0.20	0.21	0.20	0.21	0.21	0.21
5	0.20	0.21	0.20	0.21	0.21	0.21
6	0.20	0.21	0.20	0.21	0.21	0.22
7	0.19	0.21	0.20	0.22	0.22	0.22
8	0.19	0.20	0.19	0.22	0.22	0.22
9	0.19	0.19	0.19	0.22	0.22	0.22
Average	0.197	0.207	0.198	0.213	0.213	0.212
Gas Composition						
Compound, %v/v						
Methane (CH4)	53.3%	52.4%	51.0%	50.6%	51.0%	51.7%
Carbon dioxide (CO2)	40.8%	40.0%	40.0%	40.4%	39.3%	39.8%
Oxygen (O2)	0.96%	0.82%	1.20%	0.90%	0.70%	0.50%
Balance gas	5.00%	6.73%	7.80%	8.10%	9.00%	8.00%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Moisture (H2O) (included in balance gas)	3.3%	3.6%	3.5%	3.5%	2.9%	2.1%
Molecular weight, lb/lb-mole wet	27.84	27.77	27.98	28.08	27.91	27.97

Commonwealth New Bedford Energy, LLC
Greater New Bedford LFG Utilization Project
300 Samuel Barnett Blvd.
New Bedford, Massachusetts
(508) 985-0923

'California Analytical' Analyzer Calibration Results

[illegible]

Commonwealth New Bedford Energy, LLC
Greater New Bedford LFG Utilization Project
300 Samuel Barnett Blvd.
New Bedford, Massachusetts
(508) 985-0923

'California Analytical' Analyzer Calibration Results

[illegible]

Commonwealth New Bedford Energy, LLC
Greater New Bedford LFG Utilization Project
300 Samuel Barnett Blvd.
New Bedford, Massachusetts
(508) 985-0923

'California Analytical' Analyzer Calibration Results

[illegible]

Commonwealth New Bedford Energy, LLC
Greater New Bedford LFG Utilization Project
300 Samuel Barnett Blvd.
New Bedford, Massachusetts
(508) 985-0923

'California Analytical' Analyzer Calibration Results

[illegible]

Commonwealth New Bedford Energy, LLC
Greater New Bedford LFG Utilization Project
300 Samuel Barnett Blvd.
New Bedford, Massachusetts
(508) 985-0923

'California Analytical' Analyzer Calibration Results

[illegible]

Commonwealth New Bedford Energy, LLC
Greater New Bedford LFG Utilization Project
300 Samuel Barnett Blvd.
New Bedford, Massachusetts
(508) 985-0923

'California Analytical' Analyzer Calibration Results

[illegible]

Attestation Statement

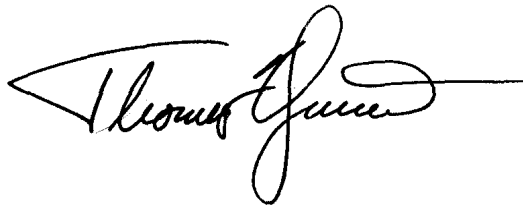
As an officer of Commonwealth New Bedford Energy LLC (CNBE) I hereby certify that the verified carbon units (VCUs) verified under the verified carbon standard (VCS) for the second half of 2013 from the Project Activity will be registered on the Markit Environmental Registry (formerly TZ1) only, which is an accredited VCS register.

Thomas Yeransian

Name

Principal of Commonwealth Resource Management Corporation,
Member of Commonwealth New Bedford Energy LLC

Title

A handwritten signature in black ink, appearing to read "Thomas Yeransian", with a long horizontal flourish extending to the right.

Signature

May 27, 2014

Date