UTILITY COMMITTEE
A G E N D A

AUGUST 12, 2013 - 6:00 P.M.

CITY HALL COUNCIL CHAMBERS
15 LOOCKERMAN PLAZA
DOVER, DELAWARE

Public comments are welcomed on any item and will be permitted at appropriate times. When possible, please notify the City Clerk (736-7008 or e-mail at CityClerk@dover.de.us) should you wish to be recognized.

AGENDA ADDITIONS/DELETIONS

1. **Request for Abandonment of Right of Way (Unimproved) - Overlook Place**
   (Staff Recommends Abandonment of the Subject Right-of-Way with Conveyance of Twenty-Five and One-Half Feet (25.5') of Said Right-of-Way to 125 and 126 Overlook Place, Currently Owned by Chu Pao Robinson and Michael P. Bouchard, Respectively, in Conjunction with the Provision of a Public Utility Easement for Each Parcel and Adoption of a Resolution Setting a Public Hearing Before City Council Regarding the Proposed Abandonment for September 9, 2013)

2. **TEA/NAES Report *(May)***
   (Staff Recommends Acceptance of the Report)

3. **Updates**
   - **A. Green Energy Funding and Programming**
     (Committee Action Not Required)
   - **B. National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer Systems (MS4) Permit**
     (Committee Action Not Required)
   - **C. Calpine Energy Center**
     (Committee Action Not Required)
   - **D. Garrison Oak Technical Park Project**
     (Committee Action Not Required)

4. **Adjournment by 7:00 p.m.**

/tm
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THE AGENDA ITEMS AS LISTED MAY NOT BE CONSIDERED IN SEQUENCE. THIS AGENDA IS SUBJECT TO CHANGE TO INCLUDE THE ADDITION OR THE DELETION OF ITEMS, INCLUDING EXECUTIVE SESSIONS.

ACTION FORM

PROCEEDING: Utility Committee	**AGENDA ITEM**:
DEPARTMENT OF ORIGIN: Public Works	**DATE SUBMITTED**: 7/26/2013
PREPARED BY: Sharon J. Duca, P.E., Public Works Director / City Engineer	
SUBJECT: Abandonment of Right-of-Way – Overlook Place	
REFERENCE: N/A	
RELATED PROJECT: N/A	
APPROVALS: City Manager	
EXHIBITS: Attachment A – Map	
EXPENDITURE REQUIRED: $ N/A	**AMOUNT BUDGETED**: $ N/A
FUNDING SOURCE (Dept./Page in CIP & Budget): N/A	
TIMETABLE: The referenced portion of right-of-way shall be abandoned upon approval by City Council.	
RECOMMENDED ACTION: The following actions are recommended should the Committee be in favor: (1) Abandonment of the subject right-of-way with conveyance of twenty-five and one-half feet (25.5') of said right-of-way to 125 and 126 Overlook Place, currently owned by Chu Pao Robinson and Michael P. Bouchard, respectively, in conjunction with the provision of a public utility easement for each parcel. (2) Adoption of a resolution by Council setting a public hearing regarding the proposed abandonment for September 9, 2013.	

BACKGROUND AND ANALYSIS

The City Clerk's Office received a letter from Mr. Michael P. Bouchard, dated November 13, 2012, requesting that the unimproved portion of the Overlook Place right-of-way within the Overlook on Silver Lake subdivision be abandoned. This area extends approximately thirty feet (30') from the eastern edge of public improvements within the right-of-way. Mr. Bouchard requested that this area be disposed in its entirety to his parcel, 126 Overlook Place. He stated that it is poorly maintained and that it would be a benefit to the community if this area was disposed to the property owners for proper maintenance. A letter was subsequently sent to the additional adjacent property owner to determine interest in participating in the abandonment and having a portion of the right-of-way conveyed to them. Both adjacent property owners have expressed interest in participating. The names of interested property owners and the addresses of their affected properties are as follows:

Chu Pao Robinson	125 Overlook Place
Michael P. Bouchard	126 Overlook Place

Public Works staff has confirmed that this area is unimproved; however, public utility easements will be required for the existing water and wastewater infrastructure located therein. As per the plan, the right-of-way for Overlook Place is fifty-one feet (51') wide. Half of the right-of-way, or twenty-five and one-half feet (25.5'), would be conveyed to the requesting parties. The Department of Public Works has no objection to the abandonment of the subject area of right-of-way. The Department recommends conveyance of twenty-five and one-half feet (25.5') of said right-of-way to 125 and 126 Overlook Place in conjunction with the provision of a public utility easement for each parcel.

Overlook Place
Proposed Right-of-Way Abandonment



0 62.5 125 250 Feet

N

Date Printed: June 31, 2013
File: m:\gis_data\projects/tech_mxds
\st_abandonment_map
Department: Public Services GIS
City of Dover, Delaware

Legend

- Overhead Electric Pole
- Underground Electric Lines
- Overhead Electric Lines
- Water Main
- Hydrant Line
- Hydrants
- Manholes
- Sewer Line
- Dover Parcels
- Overlook Place

The Energy Authority, Inc.

Monthly Management Committee Update – May 2013

June 27, 2013

Prepared by:

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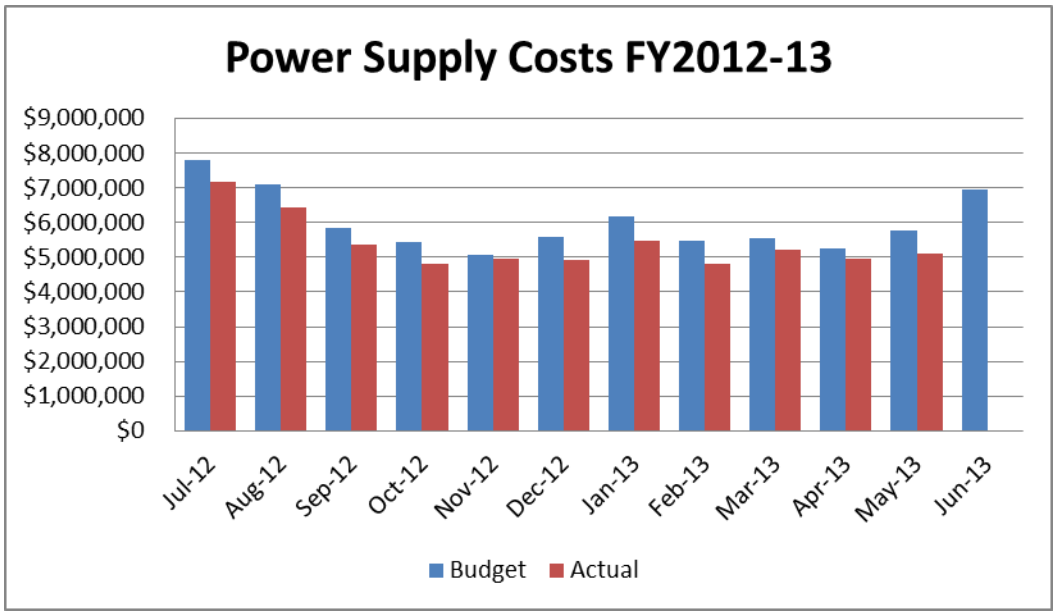
TABLE OF CONTENTS

I.	Executive Summary	1
II.	Budget Report	12
III.	Operations Management	15
IV.	Appendix	29

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I. Executive Summary

A. Power Supply Summary:



Overall Power Supply costs were $668,296 under budget due to lower than budgeted cost of energy purchases.

Dover's budgeted cost for all power supply (capacity AND energy) was $93.66/MWh. The actual cost of all power supply (capacity AND energy) was $88.73/MWh.

The cost of energy alone was $61.99/MWh, versus a budgeted energy cost of $70.51.

Dover's hedge purchases totaled 46,000 MWh, which was 75% of the projected load and 80% of the actual load.

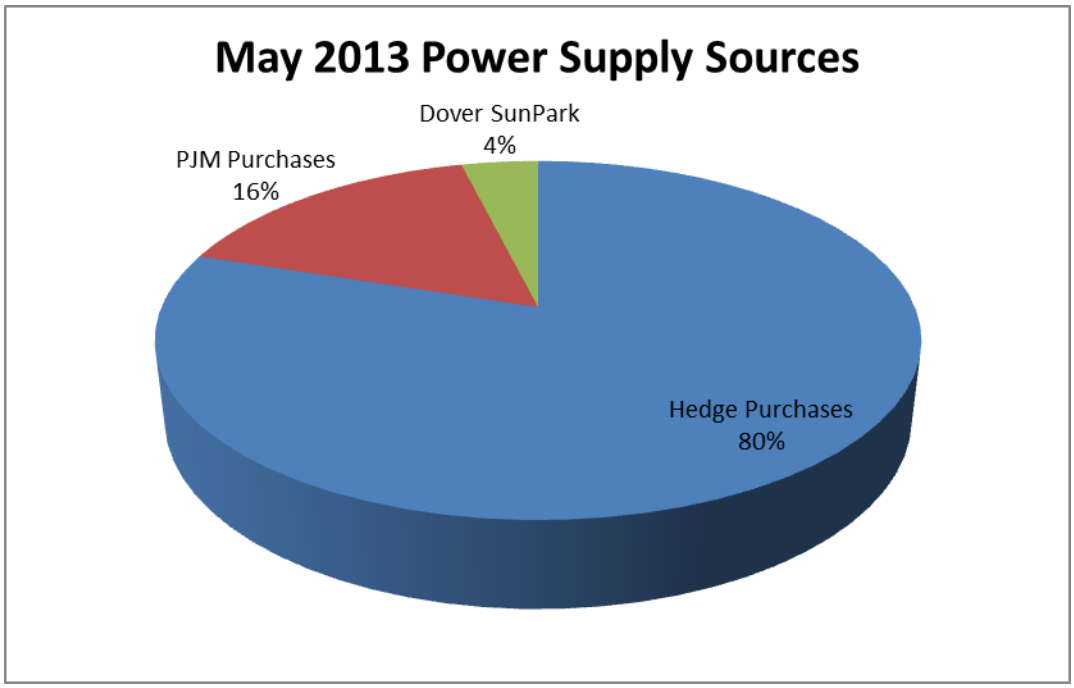
Dover's power purchases from hedge transactions totaled $2,914,748. Purchases from PJM (energy and fees) totaled $950,863 with DA Energy purchases totaling $657,111 and Balancing Spot Market Energy totaling a credit of $228,205.

Dover's total load was 57,499 MWh versus a forecasted load of 61,609 MWh.

Dover's planned energy purchase from the SunPark solar installation was 2017 MWh. Dover's actual energy purchase from the SunPark installation was 2226 MWh.

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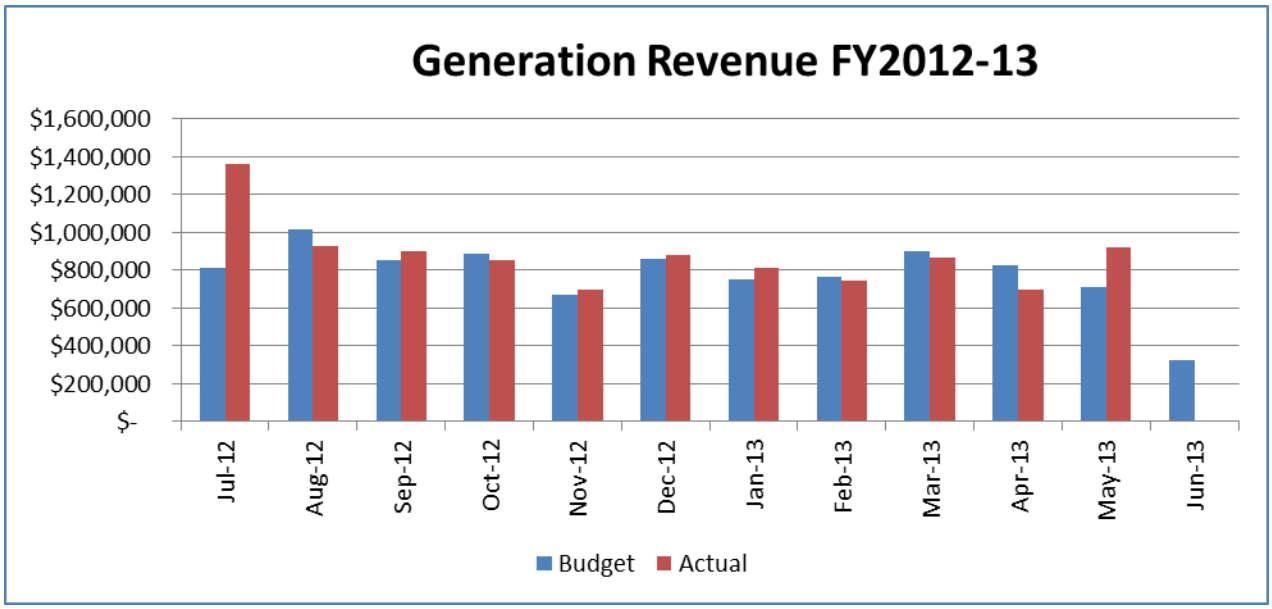
Supply Source Summary:



Supply Variance:

	Budget	Actual	Variance
Gross Load	61,609	57,499	4,110
Wholesale Load	59,592	55,273	4,319
Hedged Volume (MWh)	46,000	46,000	-
Unhedged Volume (MWh)	13,592	9,273	4,319
Dover SunPark Volume (MWh)	2,017	2,226	(209)
Renewable Energy Credits Volume	303	317	(14)
Hedged Cost ($/MWh)	$ 68	$ 63	$ 5
Unhedged Energy Cost ($/MWh)	$ 75	$ 48	$ 27
Solar Energy Cost ($/MWh)	$ 83	$ 86	$ (3)
Energy Costs ($/MWh)	**$70.51**	**$61.99**	**$8.52**
All-in Costs - Energy, Capacity and RECs ($/MWh)	**$93.66**	**$88.73**	**$4.93**

B. Generation Summary:



Dover generated 339.04 MWh in the month. Net generation revenue was $921,176 vs. a budget of $713,280. This delta was mainly due to lower than budgeted O&M costs.

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Generation Breakdown:

City of Dover's Wholesale Generation		
Net Generation Mwh		**339.04**
All In Generation Margin		
PJM Bill Energy	$	13,738.30
PJM Capacity	$	1,205,977.50
Black Start, Reactive Credit, DASR & EFORp	$	36,373.16
Gas Purchases	$	(20,661.00)
Oil Purchases	$	-
Transport / Cash Out	$	(3,730.74)
Gross Margin	**$**	**1,231,697.22**
Production Margin		
Generation Production Revenues (PJM)	$	13,738.30
Gas Purchases	$	(20,661.00)
Oil Purchases	$	-
Transport / Cash Out	$	(3,730.74)
Gross Production Margin	**$**	**(10,653.44)**

C. Emissions Summary:

Emissions Allowance Summary through May 31, 2013

CAIR EMISSION ALLOWANCE SUMMARY				
Date	**Action**	**SO_2 Allowances**	**NO_x Allowances[1]**	
			Seasonal	**Annual**
1/1/09	2008 Carryover	3,240	0	0
1/1/09	2009 Allocation	2,723	53	80
2/1/10	2010 Allocation	2,039	50	78
1/1/11	2011 Allocation	1,988	49	78
4/1/11	2011 Reallocation		2	4
1/11/12	2012 Allocation	1,988	51	80
10/4/2012	**2013 Allocation**	**1,988**	**49**	**76**
9/29/09	SO_2 Sales	(1,500)		
11/12/09	NO_x Ann. Sales			(45)
11/13/09	SO_2 Sales	(1,410)		
11/20/09	NO_x Seas. Sales		(25)	
12/31/09	2009 Emissions[2]	(1)	(6)	(13)
12/31/10	2010 Emissions	0	(54)	(54)
10/31/10	EPA Linearity Testing Req.		(68)	(68)
2011	2010 Deficit NO_x Purchases		53	22
Aug 2011	Revised 2010 ECMPS data		30	30
Nov 2011	NO_x Seas. Sales (DEMEC)		(1)	
12/31/11	2011 Emissions[2]	(1)	(32)	(36)
12/31/12	2012 Emissions[2]	(1)	(37)	(37)
Nov 2012	NO_x Seas. Sales (DEMEC)		(2)	
2/13/2013	NO_x Annual. Sales (DEMEC)			(3)
5/31/2013	**2013 Emissions**	**0**	**1**	**1**
REMAINING ALLOWANCES		**11,053**	**111[3]**	**189**

On August 21, 2012, a three-judge panel of the U.S. District Court of Appeals (DCA) in Washington vacated EPA's Cross State Air Pollution Rule (CSAPR) which would have become effective on January 1, 2012. The DCA instructed EPA to continue administering the Clean Air Interstate Rule (CAIR). EPA has appealed this ruling to the

[1] Per CAIR, starting in 2009, NOx emissions are governed by a seasonal and annual program.
[2] Under CAIR, pre-CAIR SO2 allowances are retired at a rate of 2 allowances for each ton emitted. It is assumed that pre-CAIR allowances will be retired before CAIR allowances.
[3] Seasonal NOx values are subject to verification by NAES.

U.S. Supreme Court, and the Court has agreed to review the DCA opinion. A ruling is not expected before June, 2014.

Market liquidity for CAIR allowances continues to be low, with few transactions occurring. The following table shows estimated values for Dover's banked allowances, based on broker bids & offers:

Mark-to-Market for CAIR Allowances (6/24/2013)			
Commodity	**$/Ton (Bid/Offer Avg.)**	**Tons**	**Extended Value**
SO_2 Allowances (2009)	$ 1.35	3,050	$ 4,118
SO_2 Allowances (2010-13)	$2.20	8,003	17,613
NO_x Allowances - Seasonal	$18.00	111[3]	1,998
NO_x Allowances - Annual	$40.00	195	7,800
TOTAL			**$31,529**

Regional Greenhouse Gas Initiative

The State of Delaware is a participant in the Regional Greenhouse Gas Initiative (RGGI). The City of Dover must comply with RGGI by surrendering carbon dioxide (CO_2) allowances pursuant to the State of Delaware's laws (Title 7, Chapter 60, Sub-Title II-A). Delaware has elected a combined emissions allowance allocation/auction mechanism for RGGI, in which 40% of CO_2 allowances were allocated to sources for 2009, declining by 8% per year so that by 2014, all CO_2 allowances are auctioned.

Dover had more than a sufficient number of RGGI allowances allocated to it to cover its requirements through the first compliance period (calendar years 2009-2011). Any unused allowances are carried over ("banked") for subsequent years. The cumulative balance of unused RGGI allowances held by Dover were 104,505 tons as of the end of Calendar year 2012, as shown in the table below. During January & February 2013, Dover's generating units have not operated; therefore CO2 emissions have been zero. In March, 19 tons of emissions were recorded during a VanSant black-start test and in April, 105 ton were recorded during unit testing during the spring 2013 semi-annual maintenance outage.

CO2 Allowance Summary (5/31/2013)							
1	2	3	4	5	6	7	8
CO_2 Allowance Vintage	CO_2 Allowances Sold YTD	CO_2 Allowances Available (Per Facility, Prior to Sale)		Allocated CO_2 Allowances	CO_2 Tons Emitted	Annual CO_2 Allowance Balance	Cumulative Balance
		McKee Run	***VanSant***				
2009	0	60,128	2,056	62,184	(5,796)	56,388	56,388
2010	0	48,102	1,645	49,747	(32,971)	16,776	73,164
2011	0	36,077	1,234	37,311	(17,763)	19,548	92,712
2012	0	27,058	925	27,983	(15,265)	11,793	104,505
2013	0	15,032	514	15,546	(412)	15,134	119,639

The table shows that the "**Allocated CO_2 Allowances"** (column 5) are declining. After 2013, Dover will no longer receive allocations of RGGI allowances. The Cumulative Balance (column 8) – aka "Banked Allowances") can be utilized for generation in future years (including 2013). Once the banked allowances have been fully utilized, Dover will be required to purchase allowances through the periodic RGGI auctions or through over-the-counter markets. Assuming that Dover does not sell any banked allowances, it will be able to maintain a positive balance through 2016 – 2025, depending on actual annual energy production in 2012 and beyond.

On February 7, 2013, RGGI proposed changes to its Model Rule. The proposed changes have been included in previous monthly reports. With the release of the *Updated Model Rule*, the RGGI states now plan to revise their CO_2 Budget Trading Programs through their individual state-specific statutory and regulatory processes. Each RGGI state seeks to complete their state specific processes such that the proposed changes to the program would take effect on January 1, 2014.

Dover could elect to sell all or a portion of its banked allowances now and re-acquire allowances at a later date; however TEA is currently of the opinion that Dover will be better off retaining its banked allowances for use during future compliance years.

The most recent RGGI auction occurred on June 7, 2013 and the auction cleared at $3.21/ton.

RGGI futures settlement prices posted on Intercontinental Exchange (ICE) on June 24, 2013 ranged from $3.45 to $3.53/ton, averaging $3.49/ton. **Based on the average ICE futures prices, the value of Dover's existing RGGI allowance bank (119,639 tons) is approximately $417,540.**

Renewable Energy Certificates

Dover owns two photovoltaic systems totaling 15 kW, consisting of (a 5 kW unit at the Utilities Administration Building and two 5 kW units at the McKee Run generating station. Dover also receives solar energy produced by the 10 MW Dover Sun Park which is owned by White Oak Solar Energy, LLC. In addition to the all of the physical energy produced by the Sun Park, Dover receives 15% of Sun Park's SRECS. Through the end of April 2013, Dover has accumulated a total of 4,775 SRECS from these renewable energy resources.

The nearest viable market for Dover's SRECs is Pennsylvania. Pennsylvania's March 2013 SREC auction cleared at $11/MWh. Using this price, Dover's **SRECs would have a market value of $52,525**.

TEA continues to recommend to Dover to retain these allowances for compliance with its Renewable Portfolio Standard which DEMEC is working on. Once Dover has an approved RPS in place, it may be required to retire a portion of its current SREC balance for compliance in the 2012/13 future compliance year. Any remaining SRECs could be used for the 2013/14 compliance year.

D. Operations Management Summary:

During the month of May, there were no reportable or lost time accidents or injuries. The facility has now gone 960 days without an OSHA recordable accident and 960 consecutive days without a lost time reportable accident. There were zero Environmental Notices of Violations issued. There was one opacity deviation recorded at VanSant during a water wash of the turbine compressor. The unit was not combusting fuel at the time and the opacity reading was due to water vapor from the wash. There were no Near Miss incidents.

In the month of May, no units were dispatched by PJM. All Units were in a planned outage starting March 4. Unit 3 was put on for test as a follow-up to repairs done during the outage. An over speed trip test was successfully performed on Unit 11. Work continued on the installation of the industrial waste water discharge system with the mechanical and electrical work essentially complete.

Monthly Budget Variance - The actual expenses attributable to O&M of the two sites for the month of May were $310,521. The actual expenses are $217,757 or 41.22% under the approved budget of $528,278. The principal reason for the favorable variance was due to timing of expenses for labor (2 payrolls billed versus 3 payrolls budgeted), and electrical usage (invoices not booked in May).

E. Risk Management Summary:

Forward power prices in PJM are similar to last month. The blended cost has decreased for all years as natural gas prices have fallen during the month.

The current projected cost of service is below:

Power Year	Hedge Ratio	Blended Cost ($/MWh)
2012-13	81%	$61.49
2013-14	62%	$51.61
2014-15	38%	$47.08
2015-16	14%	$45.81

II. Budget Report

Variance Report:

	Budget May-13	Actual May-13	Variance
Gross Load	**61,609**	**57,499**	**4,110**
Power Supply			
Hedged Energy	$3,143,362	$2,914,748	$228,614
PJM- Energy	$1,019,955	$446,577	$573,378
PJM - Transmission and Fees	$313,000	$504,286	($191,286)
Dover SUN Park Energy	$180,874	$203,217	($22,343)
Management Fees	$83,000	$83,000	$0
Capacity UCAP Obligated Purchased	$1,029,954	$950,021	$79,933
Subtotal - Power Supply	**$5,770,145**	**$5,101,850**	**$668,296**
Power Generation O&M & Fixed Fuel			
Plant O&M	$528,278	$310,521	$217,757
Subtotal Generation O&M	**$528,278**	**$310,521**	**$217,757**
Power Generation Production Margin			
Economic and reliability dispatch	$0	($13,738)	$13,738
Fixed Fuel and Transport Charges	$0	$24,392	($24,392)
Subtotal Generation Production Margin	**$0**	**$10,653**	**($10,653)**
Power Generation Non-Production Revenue			
Generation Capacity Credit	($1,205,978)	($1,205,978)	($1)
Emissions Allowance Sales	$0	$0	$0
Black Start & Reactive Power Revenue	($35,580)	($36,373)	$793
Subtotal - Non-Production Revenue	**($1,241,558)**	**($1,242,351)**	**$793**
SubTotal - All Generation	**($713,280)**	**($921,176)**	**$207,896**
Total - Utilities Cost	**$5,056,865**	**$4,180,673**	**$876,192**
Unit Costs			
Total - Power Supply	$93.66	$88.73	$4.93
Total - Power Generation	($11.58)	($16.02)	$4.44
Final Cost of Service to City of Dover Ratepayers	$82.08	$72.71	$9.37

Variance Analysis:

Power Supply

- Dover consumed 4,110 MWh less than what was forecasted for the month.
- PJM energy costs were lower than expected, but PJM's fees were higher than forecast. Hedged costs were below forecast.
- The result of lower overall costs for more power was a net power supply cost of $88.73/MWh, $4.93/MWh lower than budget.
- For the month, the city realized a favorable variance of $668,296 for power supply vs. the monthly budget.
- Dover Sun Park generated 209 MWh more than forecast.

Generation

- Power generation had a favorable budget variance of $207,896.
- Plant O&M expenses had a favorable budget variance of $217,757 for the month.

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YTD Variance Report:

	Budget YTD	Actual YTD	Variance
Gross Load	**683,055**	**683,497**	**(442)**
Power Supply			
Hedged Energy	$35,836,569	$34,701,034	$1,135,535
PJM- Energy	$12,434,372	$7,124,623	$5,309,749
PJM - Transmission and Fees	$3,443,000	$4,773,924	($1,330,924)
Dover SUN Park Energy	$1,329,563	$1,438,537	($108,974)
Management Fees	$913,000	$913,000	$0
Capacity UCAP Obligated Purchased	$11,130,146	$10,268,605	$861,541
Subtotal - Power Supply	**$65,086,650**	**$59,219,724**	**$5,866,926**
Power Generation O&M & Fixed Fuel			
Plant O&M	$4,916,254	$4,720,333	$195,921
Subtotal Generation O&M	**$4,916,254**	**$4,720,333**	**$195,921**
Power Generation Production Margin			
Economic and reliability dispatch	($1,124,312)	($1,882,864)	$758,552
Fixed Fuel and Transport Charges	$586,004	$982,644	($396,640)
Subtotal Generation Production Margin	**($538,308)**	**($900,220)**	**$361,912**
Power Generation Non-Production Revenue			
Generation Capacity Credit	($13,032,341)	($13,032,337)	($4)
Emissions Allowance Sales	$0	$0	$0
Black Start & Reactive Power Revenue	($391,380)	($456,005)	$64,625
Subtotal - Non-Production Revenue	**($13,423,721)**	**($13,488,342)**	**$64,621**
SubTotal - All Generation	**($9,045,775)**	**($9,668,229)**	**$622,454**
Total - Utilities Cost	**$56,040,875**	**$49,551,496**	**$6,489,379**
Unit Costs			
Total - Power Supply	$95.29	$86.64	$8.65
Total - Power Generation	($13.24)	($14.15)	$0.90
Final Cost of Service to City of Dover Ratepayers	$82.04	$72.50	$9.55

III. Operations Management

NAES Corporation
Dover, Delaware

May 2013
Monthly Report



Chuck Luton (right), IC&E Technician, accepts the NAES Service Recognition Award presented by Vince Scire, Plant Manager, in recognition of completing 5 years of service working at the City of Dover Generating Facilities.

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Table of Contents

1.0 Environmental, Health, and Safety

2.0 Financial

3.0 Operations

4.0 Maintenance

5.0 CIP

6.0 General Plant Information

7.0 Summary of NAES Performance

1.0 Environmental, Health and Safety:

During the month of May, there were no restricted work days or lost time accidents. The facility has now gone two years, seven months and seventeen days (960 days) through May 31, 2013 without an OSHA Recordable Accident or a Lost Time Reportable Accident.

The plant received no Notice of Violations (NOVs) during the month. The May (April Discharge) DMR was submitted for the McKee Run site with no NPDES exceedences.

Shakedown of the Industrial Wastewater Project is in-progress with final system adjustments being made. Project completion is anticipated for June 2013.

An Opacity deviation was recorded on Unit 11 during a compressor water wash operation during the month of May (5/30/2013). The unit was not combusting fuel at the time and the opacity reading was due to water vapor from the wash. Per the Title V permit conditions, DNREC was notified via fax and mail in the allotted timeframe. No further action is anticipated on the part of the facility or DNREC.

OSHA 16 hour Asbestos Operations & Maintenance training was held at the facility for selected Operations, Maintenance, and Management personnel.

Environmental, Health, and Safety Statistics		
	Month (May)	Fiscal Year to Date (7/1/12-5/30/13)
NOVs	0	0
Opacity Deviations	1	1
Environmental Deviations	0	7
OSHA Recordable	0	0
OSHA LTA's	0	0
First Aid cases	0	0
Restricted Workday Accident	0	0
Near Miss	0	2
Man Hours Worked	4,670.50	51,073.5
Date last OSHA Recordable		10/14/10
Date last Lost Time Accident		10/14/10
Days since last OSHA recordable		959
Days since last Lost Time Accident		959

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Emissions (NO_x & SO_2) All data thru 5/31/13

NOx Summary – Ozone Season (May-Sep) Tons					
Year	*Unit #1*	*Unit #2*	*Unit #3*	*Unit #11*	*TOTAL*
2010	0.7	2.2	88.7	3.3	94.7
2011	1.8	1.5	31.4	1.4	36.1
2012	1.2	1.0	35.8	1.0	33.1
2013	0.0	0.0	0.6	0.0	0.6
NOx Summary - Year (Jan-Dec) Tons					
Year	*Unit #1*	*Unit #2*	*Unit #3*	*Unit #11*	*TOTAL*
2010	0.7	2.2	88.7	3.3	94.7
2011	1.8	1.5	32.6	2.9	38.8
2012	1.2	1.1	35.8	1.0	36.9
2013	0.0	0.0	0.7	0.0	0.7
SO_2 Summary - Year (Jan-Dec) Tons					
Year	*Unit #1*	*Unit #2*	*Unit #3*	*Unit #11*	*TOTAL*
2010	0.0	0.0	0.3	0.0	0.3
2011	0.0	0.0	0.1	0.5	0.6
2012	0.0	0.0	0.0	0.1	0.1
2013	0.0	0.0	0.0	0.0	0.0

CO2 Allowances Summary*					
CO2 Allowance Vintage	**CO2 Allowances Sold YTD**	**CO2 Allowances Available (Per Facility, Prior to Sale)**		**Total CO2 Tons Emitted**	**CO2 Allowance Balance**
		McKee Run	***VanSant***		
2009	0	60,128	2,056	5,796	56,388
2010	0	48,102	1,645	32,971	16,776
2011	0	36,077	1,234	17,763	19,548
2012	0	27,058	925	15,265	11,793
2013	0	15,032	514	412	15,134
Note: All CO2 allowance values are provided by the RGGI CO2 Allowance Tracking System.					

SO_2 Allowances Summary					
SO_2 Allowance Vintage	**SO_2 Allowances Sold - YTD**	**SO_2 Allowances Available (Per Unit, Prior to Sale & Reconciliation)**		**Total SO_2 Tons Emitted – U3 and U11 YTD**	**SO_2 Allowances Balance**
		Unit #3	***Unit #11***		
2010 and earlier	0	4815	276	0	5089
2011	0	1850	138	1	1988*
2012	0	1850	138	1	1988*
2013	0	1850	138	0	1988*
***Note – Emissions allowances are deducted according to oldest vintage first or unless otherwise directed.**					

CAIR NOx Allowances Summary*							
CAIR NOx Allowance Vintage	**CAIR NOx Allowances Sold YTD**	**NOx Allowances Available (Per Facility, Prior to Sale)**		**Total NOx Tons Emitted (Yr/ Season)**	**CAIR NOx Allowances Purchased YTD**	**NOx Allowance Balance**	
		McKee Run (Yr/Season)	***VanSant (Yr/Season)***	**McKee Run - VanSant**		***McKee Run (Yr/Season)***	***VanSant (Yr/Season)***
2010 and earlier	3***					27/0	0/2
2011	0	77/48	5/3	33/31– 3/1	0/0 - 0/0	42/10	2/2
2012	2**	75/46	5/3	36/36 – 1/1	0/0 - 0/0	39/10	4/2
2013	0	77/48	5/3	1/1 – 0/0	0/0 - 0/0	76/47	5/3
***Note – Emissions allowances are deducted according to oldest vintage first or unless otherwise directed. **Note – The facility transferred Ozone Season allowances to a third party. ***Note- The facility transferred Annual allowances to a third party**							

2.0 Financial

Financial – Current Month

Month – MAY			
	Actual	Budget	Variance
Personnel	236,700	362,664	125,964
Materials & Supplies	6,401	11,890	5,489
Administrative Expenses	67,420	153,724	86,304
Total	**$310,521**	**$528,278**	**217,757**

Financial – Fiscal Year to Date

Number of Months – 11			
	Actual	Budget	Variance
Personnel	2,849,937	2,935,561	85,624
Materials & Supplies	177,895	200,860	22,965
Administrative Expenses	1,692,499	1,779,833	87,344
Total	**$4,719,358**	**$4,916,254**	**196,896**

2.1 Variance analysis:

The City of Dover Finance Department has closed the books for the month of May 2013. The expenses for May are $310,521 against a budgeted amount of $528,278 for a favorable variance of $217,757 or ≈ 41.22%. The variance was due to the following:

PERSONNEL EXPENSES – A favorable monthly variance of $125,964 was due to having two (2) payroll periods billed versus the three (3) that had been originally budgeted for May. Included in these costs are straight time labor, overtime labor, and labor burdens.

MATERIALS AND SUPPLIES EXPENSES- A favorable monthly variance of $5,489 was due primarily to lower water/sewer costs and the deferral of the mobile crane inspection that was budgeted for this month.

ADMINISTRATIVE EXPENSES – A favorable monthly variance of $86,304 was due primarily to no monthly electric usage invoices being booked (timing) in month of May. In addition, there were insulation repairs and air compressor maintenance kits that weren't needed this fiscal year.

The budget is currently forecasted to finish this fiscal year at $5,813,929 expensed versus an approved budget of $5,914,900 thereby realizing a 98.29% expenditure rate.

3.0 Operations

Unit Operations / Outages / Trips

For the entire month of May, all units were in the spring outage. On May 2, plant staff tested Unit 3 boiler and turbine as a follow up to repairs/inspections performed on the equipment earlier in the outage. The unit was on line for approximately thirty minutes before it was taken off line to address turbine oil system leaks and to correct poor connections on the fuses in the PT compartment. On May 7, Unit 3 was again brought on line to continue testing of the turbine and the boiler. During the startup process, the unit experienced a high turbine oil temperature of 140 degrees at which point, the unit was tripped offline. It was discovered that the impeller on one of the Unit 3 Cooling Water Pump's impellers had failed. The unit was brought back on line and completed testing that day. On May 30, a water wash of the compressor section of Unit 11 was performed after which a successful over speed trip test of the unit was completed.

Month May 2013							
		McKee Unit 1	McKee Unit 2	McKee Unit 3	MRS Facility	VanSant Unit 11	Total All Units
Capacity	MW	17	17	102	136	39	175
On Line Hours	Hrs	0.0	0.0	7.883	7.883	0.0	7.883
Starts	#	0	0	3	3	0	3
Gross Generation	MWh	0.0	0.0	378.152	378.152	0.0	378.152
Net Generation	MWh	0.0	0.0	342.894	342.894	0.0	342.894
Total Auxiliaries	MWh	21.529	21.529	226.911	269.968	2.845	272.813
Auxiliaries purchased	MWh	21.529	21.529	191.653	234.710	2.845	237.555
Fuel Gas Used	MMBTU	0.0	0.0	4,767.553	4,767.553	109.678	4,877.232
Fuel Oil Used	MMBTU	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Oil Used	Gallons	0.0	0.0	0.0	0.0	0.0	0.0
Total Fuel	MMBTU	0.0	0.0	4,767.553	4,767.553	109.678	4,877.232
Net Heat Rate	BTU/KWh	0	0	13.904	13.904	0	13.904
Unit Trips	#	0	0	1	1	0	1
Capacity Factor	%	0.0	0.0	0.45	0.45	0.0	0.45
Availability Factor	%	0.00	0.00	0.00	0.00	0.00	0.00
Commercial Unavailability (CU)	%	0	0	0	0	0	0
Planned Outage Hours	Hours	744.000	744.000	744.000	2,232.000	720.000	2,976.000
Maintenance Outage Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
Forced Outage Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
Reserve Shutdown Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
HW Boiler Gas Usage	MMBTU				0.0		0.0
Pilot Gas Usage	MMBTU	0	0		0		0

 # Note: Does not include HWB or Pilot Gas. Fuel usage numbers are taken from fuel flow instruments.

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2012-2013 Fiscal Year-to-Date - May							
		McKee Unit 1	McKee Unit 2	McKee Unit 3	MRS Facility	VanSant Unit 11	Total All Units
Capacity	MW	17	17	102	136	39	175
On Line Hours	Hrs	96.282	71.970	298.013	466.265	22.699	488.964
Starts	#	3	2	30	35	5	40
Gross Generation	MWh	668.79	582.202	19,258.400	20,509.392	714.904	21,224.296
Net Generation	MWh	628.855	541.673	17,728.618	18,899.146	714.287	19,613.433
Total Auxiliaries	MWh	340.587	341.180	3,410.813	4,092.579	37.876	4,130.455
Auxiliaries purchased	MWh	300.652	300.652	1,881.031	2,482.334	37.345	2,519.679
Fuel Gas Used	MMBTU	9,483	8,108	205,542.399	223,133.399	8,642.270	231,776
Fuel Oil Used	MMBTU	0.0	0.0	0.0	0.0	112.567	112.567
Fuel Oil Used	Gallons	0.0	0.0	0.0	0.0	5,806	5,806
Total Fuel	MMBTU	9,483	8,108,	205,542.399	223,133.399	8,642.270	231,776
Net Heat Rate	BTU/KWh	15,021	14,970	12.041	14.010	12,604	13,704
Unit Trips	#	0	0	2	2	0	2
Capacity Factor	%	0.44	0.40	2.17	1.73	0.23	1.40
Availability Factor	%	54.50	54.50	54.65	54.55	54.50	54.54
Commercial Unavailability (CU)	%	0	0	0	0	0	0
Planned Outage Hours	Hours	3,641	3,641	3,641	10,923	3,641	14,564
Maintenance Outage Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
Forced Outage Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
Reserve Shutdown Hours	Hours	4,306.218	4,327.030	4,113.570	12,746.818	4,376.934	17,123.752
HW Boiler Gas Usage	MMBTU				2,560.313		2,560.313
Pilot Gas Usage	MMBTU	1,340	1,049		2,389		2,389

Fuel Oil Inventory							
	Monthly Inventory (Start)	Monthly Inventory (End)	Fuel Purchases (Month)	Monthly Inventory (Change)	FY 12-13 Inventory (Start)	Fuel Purchases (YTD)	FY 12-13 Inventory (Change)
McKee Run (#2 Fuel Oil)	450,319	452,963	0	2,644	454,725	0	(1,762)
VanSant (#2 Fuel Oil)	144,827	145,796	0	969	152,150	0	(6,354)

Note: As measured by tank level instruments. Tank levels may change due to oil temperature.

VanSant Lifetime through 5/31//13			
	Actual Starts	Factored Starts	Fired Hours
VanSant	1308	2,238.75	4,219.80
Since HGP - Dec 2004	232	571.05	836.22

Team Report:

The Operations staff continues to support maintenance activities during the planned outage by serving as Confined Space Attendants for confined space areas as well as other support tasks. The Operations staff has also supported the outage by performing various LOTO tasks needed to test or place equipment in or out or service.

Operations personnel continue to support maintenance by working on Preventative Maintenance (PM) work orders and other work orders that they have the necessary skills to successfully complete the task. The Operations Department continues to utilize the Day Shift Workers in both the Operations and Maintenance areas to help in maintaining the plant.

The Operations staff has been continuing their work on painting the fuel lines as most all of the insulation has been removed.

Capacity Testing – FY 2012-2013

Summer 2012 (June 1- Aug 31)			Winter 2012-2013 (Dec 1- Feb 28)		
Unit	Rated Net Capability (MW)	Reported Net Capability (MW)	Unit	Rated Net Capability (MW)	Reported Net Capability (MW)
1	17	17.0	1	17	17*
2	17	17.3	2	17	17*
3	102	102.7	3	102	102*
VanSant	39	39.0	11	39	39*
Total	175	176.0	Total	175	175*

Note: * Denotes Unit is qualified for the PJM Winter Demonstration Period Exemption Program and data has been submitted into the PJM eGADS

4.0 Maintenance

During the month of May, the Plant Maintenance staff continued addressing the backlog of work orders and completing outage activities. There were fifteen work orders issued with ninety-two work orders being completed during the month. There was no safety work orders entered into the plant's Computerized Maintenance Management System (MP2) during the month. The table below summarizes the monthly work order activities.

Work Order Report

May - 2013

Priority #	Outstanding From Previous Month	Issued This Month	Completed This Month	Outstanding at the end of the month
1	14	3	7	10
2	54	8	30	32
3	40	4	7	37
4	6	0	0	6
5	16	0	3	13
SW1	0	0	0	0
SW2	0	0	0	0
SW3	0	0	0	0
SW4	0	0	0	0
SW5	0	0	0	0
PM	71	0	45	26
Totals	201	15	92	124

Note: PMs are included in the priority totals

Notable activities during the month include:

- The NAES Maintenance and Operations staff completed a gas purge on the gas skid at VanSant. This was completed to facilitate the changing a defective natural gas condensate dump valve. The gas condensate valve was installed and tested for proper operation.
- The NAES Mechanics, IC&E Technicians and selected operations staff attended asbestos training. The staff was trained on the proper procedures in using a glove bag to remove gaskets from flanges or packing from valve that contain asbestos.
- The NAES IC&E and Operations staff assisted in the testing of the Industrial Waste Water system. There were a few wiring and instrumentation issues during start up that needed to be addressed. These items were repaired and/or changed. There are still a few minor issues with the program logic pertaining to the overall system operation that will be taken care of in the near future.

5.0 Capital Improvement Projects (CIP)

Project Number	Description	Update
EG1102	Units 1 & 2 Cooling Tower Repairs	Progress: The FY2013 work scope package being developed Schedule: Work scheduled to be completed in the 4th quarter
EG1202	Unit #3 Boiler Systems	Progress: Work scheduled for the Spring 2013 outage. Completion at 90%. Minor work is in process of being completed with an expected completion date in the June time period. Schedule: Tube repairs are complete and the ductwork has been repaired. Unit was operated and no more problems encountered.
EG1203	Unit 3 Auxiliary System Components	Progress: Work scheduled for the Spring 2013 outage. Completion at 90%. Minor work is in process of being completed with an expected completion date in the June time period. Schedule: Scheduled work is on track for completion by end of Spring 2013 outage.
EG1212	Unit 3 Turbine Repairs	Progress: Plant staff working with OEM to determine long lead material requirements. Schedule: Long lead items will be procured in the spring of 2013. Some turbine parts (turbine 9th stage blades) have been ordered and received. List of consumables is being finalized and quotes requested thereafter.
EG1304	Units 1 & 2 Components Repairs	Progress: Work on hold for present time. Schedule: Work on hold for present time.
EG1306	Turbine Level Window modification	Progress: Feedback from insurance company revealed that this recommendation will be withdrawn. Schedule: Work complete.
EG1112	Unit 3 Air Heater Expansion Joint	Progress: Material has been purchased, delivered ,and has been installed Schedule: Work was completed in November. Project will be closed.
EG1309	Unit 3 Stack Repairs	Progress: Scope of work has changed since this project was proposed as the stack inspection performed in spring of 2012 determined stack lining in worse condition than expected. Activities in 2013 will be to develop repair scope and obtain bids for the work. This should be completed in the 3rd FY quarter. Schedule: The scoping of work should be completed in the 3rd quarter FY13 with bids and revised installation costs identified. Actual repair work will be scheduled for fiscal 2015.
EG1310	Units 1&2 Stack	Progress: The FY2013 work scope package being developed.

	Repairs	Schedule: Work to be completed during the spring outage or deferred until 2015. Inspection was completed in November and report is forthcoming so scoping documents may be developed.
EG1311	VanSant Capacity Increase	Progress: Valuation of the benefits of various technologies has been completed and TEA is recommending implementation of the Wet Compression Technology at an approximate cost of $1.5M. Plant staff to develop cost schedule and COD Management to bring forward to COD Council for decision on the project. Schedule: COD Management Team to work on approval of project going forward.
EG1312	Unit 3 Generator Repairs	Progress: Contract work was awarded and vendor has completed work. Unit has been tested for proper operation. Air leak test and oil flush completed prior to start-up. Schedule: Operational check of the unit completed.
EG1214	MR Industrial Waste water System	Progress: Mechanical and electrical installation work has been started. Mechanical work is 95% complete and electrical work is 75%. Schedule: Installation work slated for completion in May with testing of system to commence immediately thereafter.
EG1301	Unit 1 Gland Steam Seal Repair	Progress: NA Schedule: Work is complete.

6.0 General Plant Information

- TEA has evaluated the findings of the McHale and Associates Report (Capacity upgrade opportunities for VanSant) and has imported the data into their financial model. From this, TEA developed a presentation that was presented at the March COD/TEA/NAES Management Meeting in which they recommended implementation of the Wet Compression Technology with an estimated cost of $1.5 million dollars. A number of action items were also identified that need to be followed up by NAES and by TEA including updating the project CIP costing and having a discussion with the DNREC regarding the effect the power increase could have on emissions. Included in the action item list was a breakdown of project costs and time frame when those costs would be expected to be expensed.

- Plant staff is working to complete as many of the remaining outages tasks as possible prior to the end of the outage. Some of the work will be able to be completed when the units come out of the outage. Only a few minor tasks, if any, will need to be deferred until a later date.

Training:

- Chuck Luton was recognized for completing five years of service with NAES at the Dover Facility.

- Topics discussed during the monthly safety committee meeting were reviewed by the entire staff. The monthly safety topic was on “Heat Stress”. Topics discussed during the monthly safety committee meeting were reviewed by the entire staff.

- Plant employees continue using the General Physics safety training and environmental courses to enhance their overall knowledge of permit and safety requirements. As the GPI courses are being completed, the employee reviews the standard operating procedure (SMP) for the same topic they are training on to review NAES policy as well.

Calendar of Events	Date
NOx Ozone Season Starts	May 1, 2013
PJM Summer Capacity Test Period	June 1, 2013 – August 31, 2013
Toxic Release Inventory (TRI) Annual Report	July 1, 2013
McKee Run and VanSant Title V Semi-Annual Certification Due	August 1, 2013
DRBC Study Due	September 15, 2013
NOx Ozone Season Ends	September 30, 2013
Units 1, 2, 3 and 11 Fall Outage	TBD
Three Year Accident Free	October 14, 2013
Winter Capacity Period	December 1, 2013 to February 28, 2014
EIA-860 Report	February 28, 2014
EIA-923 Report	February 28, 2014
NOx Emissions Reconciliation Due	March 1, 2014
SO2 Emissions Reconciliation Due	March 1, 2014
SARA III Report	March 1, 2014
NPDES Permit Renewal Due	March 4, 2014
Units 1, 2, and 3 Spring Outage	March , 2014 – June , 2014
Unit 11 Spring Outage	March , 2014 – June , 2014
Annual VanSant Black Start Test	March , 2014
Air Emission Inventory	March , 2014

7.0 Summary of NAES Performance to Date

Measure	Month		Year to Date		YTD Incentive	FY Maximum Incentive
	Plant Performance FY 2012-2013					
Commercial Unavailability (CU)	0%		0%		$92,128	$92,128
Safety	0		0		$17,273	$17,273
Environmental	0		0		$17,273	$17,273
Capacity Tests Completed	Summer	Winter	Summer	Winter		
Unit 1	No	No	Yes	Yes*	$3,455*	$3,455
Unit 2	No	No	Yes	Yes*	$3,455*	$3,455
Unit 3	No	No	Yes	Yes*	$20,520*	$20,520
Unit 11	No	No	Yes	Yes*	$6,840*	$6,840
Total YTD Incentive %	100.00%		***Total YTD Incentive***		$161,224	$161,224

Note: All units have successfully completed the PJM Summer Capacity Tests and are qualified for entry into the PJM Winter Capacity Test Exemption Program*. The YTD Incentive calculation reflects this information.

IV. Appendix – PJM Invoice Breakdown

	Gen	Load	Grand Total
Auction Revenue Rights		$ (1,117.24)	$ (1,117.24)
Balancing Operating Reserve		$ 25,877.62	$ 25,877.62
Balancing Spot Market Energy	$ (17,095.97)	$ (228,205.33)	$ (245,301.30)
Balancing Transmission Congestion	$ 3,394.95	$ (9,046.60)	$ (5,651.65)
Balancing Transmission Losses	$ (37.28)	$ 889.04	$ 851.76
Black Start Service	$ (6,905.58)	$ 1,905.49	$ (5,000.09)
Capacity Resource Deficiency		$ (526.27)	$ (526.27)
Capacity Transfer Rights		$ (33,318.18)	$ (33,318.18)
Day-ahead Operating Reserve		$ 9,109.26	$ 9,109.26
Day-ahead Scheduling Reserve		$ 987.39	$ 987.39
Day-ahead Spot Market Energy		$ 657,110.51	$ 657,110.51
Day-ahead Transmission Congestion		$ (58,341.43)	$ (58,341.43)
Day-ahead Transmission Losses		$ 49,183.72	$ 49,183.72
Expansion Cost Recovery		$ 427.49	$ 427.49
FERC Annual Recovery		$ 3,354.71	$ 3,354.71
Generation Deactivation Refund		$ (758.35)	$ (758.35)
Inadvertent Interchange		$ (282.01)	$ (282.01)
Load Management Test Failure		$ (199.95)	$ (199.95)
Load Reconciliation for Balancing Operating Reserve		$ 19.17	$ 19.17
Load Reconciliation for FERC Annual Recovery		$ 53.04	$ 53.04
Load Reconciliation for Inadvertent Interchange		$ (2.30)	$ (2.30)
Load Reconciliation for Market Monitoring Unit (MMU) Funding		$ 3.39	$ 3.39
Load Reconciliation for North American Electric Reliability Corporation (NERC)		$ 8.91	$ 8.91
Load Reconciliation for PJM Scheduling, System Control and Dispatch Service		$ 184.07	$ 184.07
Load Reconciliation for Reactive Services		$ 1,593.34	$ 1,593.34
Load Reconciliation for Regulation and Frequency Response Service		$ 251.22	$ 251.22
Load Reconciliation for Reliability First Corporation (RFC)		$ 12.75	$ 12.75
Load Reconciliation for Schedule 9-6 - Advanced Second Control Center		$ 22.97	$ 22.97
Load Reconciliation for Spot Market Energy		$ 35,928.70	$ 35,928.70
Load Reconciliation for Synchronized Reserve		$ 198.23	$ 198.23
Load Reconciliation for Transmission Congestion		$ (477.62)	$ (477.62)
Load Reconciliation for Transmission Losses		$ 1,220.95	$ 1,220.95
Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service		$ 66.23	$ 66.23
Locational Reliability		$ 984,894.18	$ 984,894.18
Market Monitoring Unit (MMU) Funding		$ 220.89	$ 220.89
Meter Error Correction		$ (5,225.34)	$ (5,225.34)
Network Integration Transmission Service		$ 292,797.79	$ 292,797.79
Non-Firm Point-to-Point Transmission Service		$ (379.34)	$ (379.34)
North American Electric Reliability Corporation (NERC)		$ 563.80	$ 563.80
Organization of PJM States, Inc. (OPSI) Funding		$ 38.92	$ 38.92
PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center		$ 1,743.65	$ 1,743.65
PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		$ 948.91	$ 948.91
PJM Scheduling, System Control and Dispatch Service - Control Area Administration		$ 9,539.81	$ 9,539.81
PJM Scheduling, System Control and Dispatch Service - Market Support		$ 2,171.15	$ 2,171.15
PJM Scheduling, System Control and Dispatch Service - Market Support Offset		$ (300.62)	$ (300.62)
PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		$ 88.52	$ 88.52
PJM Scheduling, System Control and Dispatch Service Refund - Capacity Resource/Obligation Mgmt.		$ (24.18)	$ (24.18)
PJM Scheduling, System Control and Dispatch Service Refund - Control Area Administration		$ (270.63)	$ (270.63)
PJM Scheduling, System Control and Dispatch Service Refund - Market Support		$ (63.36)	$ (63.36)
PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration		$ (3.12)	$ (3.12)
PJM Settlement, Inc.		$ 300.62	$ 300.62
Reactive Services		$ 91,608.55	$ 91,608.55
Reactive Supply and Voltage Control from Generation and Other Sources Service	$ (29,467.58)	$ 34,906.05	$ 5,438.47
Regulation and Frequency Response Service		$ 15,231.75	$ 15,231.75
Reliability First Corporation (RFC)		$ 806.27	$ 806.27
RPM Auction	$ (1,205,977.50)		$ (1,205,977.50)
Synchronized Reserve		$ 3,441.27	$ 3,441.27
Synchronous Condensing		$ 0.71	$ 0.71
Transmission Enhancement		$ 23,052.94	$ 23,052.94
Transmission Losses		$ (14,961.25)	$ (14,961.25)
Transmission Owner Scheduling, System Control and Dispatch Service		$ 4,189.16	$ 4,189.16
Balancing Operating Reserve for Load Response		$ (1.67)	$ (1.67)
Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding		$ 0.62	$ 0.62
Load Reconciliation for Day-ahead Scheduling Reserve		$ 1.02	$ 1.02
Demand Resource and ILR Compliance Penalty		$ (95.79)	$ (95.79)
Day-Ahead Load Response Charge Allocation		$ 232.75	$ 232.75
Real-Time Load Response Charge Allocation		$ 56.21	$ 56.21
Incremental Capacity Transfer Rights		$ (1,028.27)	$ (1,028.27)
Michigan - Ontario Interface Phase Angle Regulators		$ 188.73	$ 188.73
Non-Synchronized Reserve		$ 76.94	$ 76.94
CT Lost Opportunity Cost Allocation		$ (10.23)	$ (10.23)
Load Reconciliation for Non-Synchronized Reserve		$ 13.94	$ 13.94
Grand Total	**$ (1,256,088.96)**	**$ 1,900,884.27**	**$ 644,795.31**

FUND SUMMARY as of 07/23/2013

Total Collected	$ 919,288.77
DEMEC Admin Fee Paid	$ 45,122.76
State Admin Fee Paid	$ 22,292.26
Total Grant Dollars Paid	$ 676,983.32
Customer Only Grants/Fees Reserved and Amount Owed	$ 14,035.31
Community Project Funds Requested - Dov. Lib - Requested	$ 415,317.00
Community Project Funds Requested - Dov. Lib -Still Owed	$ 214,908.68
Energy Depot Fees Paid	$ 45,056.86
Efficiency Program Dollars Paid	$ 34,068.34
Solar Electric Power Association (SEPA) Fee	$ 4,317.61
*Unencumbered Funds Available	**$ 37,588.51**
Funding Shortfall	
Current Grant Payment Delay (Months)	**0.0**

* As of 07/23/2013

GRANTS PAID

Date Grant Paid	Applicant	Type	Grant Amount Paid	Review Fee Paid	Amount Owed
9/21/2007	Laura Drew Kelly	Geo - Res	$ 3,000.00	$ 225.00	$ -
12/5/2007	Domingo Reye	Solar - Res	$ 12,762.50	$ 750.00	$ -
4/16/2008	Lakeland Commercial Group	Geo - Comm	$ 10,800.00	$ 750.00	$ -
6/19/2008 & 08/25/2008	L.D. Shank - Triad Farms	Solar - Comm	$ 30,000.00	$ 750.00	$ -
10/6/2008	City of Dover	Solar - Comm	$ 40,820.00	$ 750.00	$ -
10/21/2008	Robert & Cynthia Hartman	Geo HP- Res	$ 1,800.00	$ 135.00	$ -
10/21/2008	Robert Varipapa	Geo HP- Res	$ 2,400.00	$ 180.00	$ -
2/27/2009	David Jump	Solar - Res	$ 15,000.00	$ 750.00	$ -
2/27/2009	Jakob Seren	Solar - Res	$ 15,000.00	$ 750.00	$ -
2/27/2009	William Sweet	Solar - Res	$ 15,000.00	$ 750.00	$ -
3/31/2009	LD Shank - Triad Farms	Solar WH-Comm	$ 3,000.00	$ 225.00	$ -
3/31/2009	Warren & Joan Seaver	Geo HP- Res	$ 3,000.00	$ 225.00	$ -
4/22/2009	William Sweet	Solar HW	$ 3,000.00	$ 225.00	$ -
4/28/2009	State of DE/DNREC - DE National	Solar - Comm	$ 30,000.00	$ 750.00	$ -
4/29/2009	Delaware Primary Care, LLC	Solar - Comm	$ 30,000.00	$ 750.00	$ -
9/11/2009	NCALL	Solar - Comm	$ 30,000.00	$ 750.00	$ -
9/11/2009	D. Brian Beckman	Geo HP- Res	$ 2,000.00	$ 150.00	$ -
9/21/2009	LKSC Dover, LLC Kids Cottage	Solar - Comm	$ 29,925.00	$ 750.00	$ -
10/5/2009	Mark F. Boller	Geo HP- Res	$ 3,000.00	$ 225.00	$ -
10/5/2009	John Welgan	Solar - Res	$ 15,000.00	$ 750.00	$ -
11/4/2009	LKSC Dover, LLC Kids Cottage	Geo - Comm	$ 12,000.00	$ 750.00	$ -
3/25/2010	Minaxi Patel	Solar - Res	$ 15,000.000	$ 750.000	$ -
3/23/2010	J. McGiffin Jr. & K. Doyle	Geo HP- Res	$ 3,000.000	$ 225.000	$ -
5/28/2010	Nancy Warner	Geo HP- Res	$ 1,200.000	$ 90.000	$ -
6/2/2010	David Teel	Geo HP - Res	$ 1,800.000	$ 135.000	$ -
6/2/2010	Dewey J. Barich	Geo HP- Res	$ 2,400.00	$ 180.000	$ -
7/12/2010	Mike & Sharonb Laverty	Solar - Res	$ 5,105.000	$ 382.880	$ -
8/19/2010	James Grilli	Geo HP- Res	$ 1,800.00	$ 135.000	$ -
8/19/2010	Michael Noble	Solar - Res	$ 15,000.000	$ 750.000	$ -
9/17/2010	David Teel	Solar - Res	$ 7,500.000	$ 562.500	$ -
3/8/2011	Michael & Carol Apgar	Solar - Res	$ 7,500.000	$ 562.500	$ -
3/17/2011	Elizabeth Murphey School	Geo HP - Comm	$ 9,200.000	$ 690.000	$ -
5/24/2011	Richard Avant	Geo HP - Res	$ 2,400.000	$ 180.000	$ -
6/23/2011	Charles Messina Plumbing	Solar - Comm	$ 10,000.000	$ 750.000	$ -
10/4/2011	Charles Bounds	Geo HP - Res	$ 1,800.000	$ 135.000	$ -
3/29/2011	Psychiatric Access Central DE	Solar - Comm	$ 13,187.500	$ 750.000	$ -
7/8/2011	Michael J. Kopp	Geo - Res	$ 2,300.000	$ 135.000	$ 37.50
10/17/2011	City of Dover ** Library	Geo - Comm	$ 48,267.000	$ -	$ -
3/7/2012	Ruth Ann Piper	Geo - Res	$ 1,200.000	$ 90.00	$ -
3/7/2012	Robert Hall	Geo - Res	$ 3,000.000	$ 225.00	$ -
3/7/2012	Elizabeth Murphey School	Geo - Comm	$ 13,800.000	$ 750.00	$ -
3/7/2012	Elizabeth Murphey School	Geo - Comm	$ 12,000.000	$ 750.00	$ -
3/7/2012	Elizabeth Murphey School	Geo - Comm	$ 5,400.000	$ 405.00	$ -
3/7/2012	Elizabeth Murphey School	Geo - Comm	$ 1,800.000	$ 135.00	$ -
3/7/2012	Elizabeth Murphey School	Geo - Comm	$ 10,200.000	$ 750.00	$ -
3/7/2012	Frank Daniels	Geo - Res	$ 4,400.00	$ 303.75	$ 26.25
8/15/2012	Chong S. Tamburo-Lepage	Geo - Res	$ 2,300.00	$ 172.50	$ -
12/5/2012	City of Dover ** Library	Geo - Comm	$ 152,141.32	$ -	$ -
12/19/2012	Christopher W. Los	Geo - Res	$ 3,000.00	$ 225.00	$ -
1/30/2013	Matthew and Kimberly Chesser	Geo - Res	$ 3,000.00	$ 225.00	$ -
2/25/2013	Dennis Ho	Solar - Res	$ 6,775.00	$ 508.13	$ -
6/28/2013	John DeMarie	Geo - Res	$ 3,000.00	$ -	$225.00
		Total	**$ 676,983.32**	**$ 22,292.26**	**$ 288.75**

ARRA RELIEF GRANTS PAID

Paid by State	Customer	System Type	Amount
6/10/2011	Arturo Sanchez	Solar - PV	$ 7,500.00
10/19/2011	John Diamond Enterprise LLC	Solar - PV - Com	$ 30,000.00
10/19/2011	John Diamond Enterprise LLC	Geo HP - Com	$ 10,000.00
		Total	**$ 47,500.00**

PENDING APPLICATIONS

Status	Applicant	Type	Grant Reservation Request	Review Fee
Reservation Approved - Pending Completion	James and Corinna Fritsch	Solar - PV - Res	$ 5,287.50	$ 396.56
Reservation Approved - Pending Completion	James and Deri Austin	Solar - PV - Res	$ 7,500.00	$ 562.50
		Total	**$ 12,787.50**	**$ 959.06**

ENERGY DEPOT FEES

Paid	Fee Period	Amount
3/3/2008	Start-up Fees	$ 5,872.50
4/15/2008	Start-up Fees	$ 1,957.50
4/15/2008	Mar, Apr, May 2008	$ 1,692.13
7/22/2008	June, July, Aug 2008	$ 1,692.13
10/10/2008	Sept, Oct, Nov 2008	$ 1,692.13
1/2/2009	Dec 08, Jan, Feb 2009	$ 1,692.13
4/3/2008	Mar, Apr, May 2009	$ 1,692.13

7/1/2009	June, July, Aug 2009	$ 1,692.13
9/11/2009	Sept, Oct, Nov 2009	$ 1,692.13
1/4/2010	Dec 09, Jan, Feb 2010	$ 1,692.13
3/29/2010	Mar, April, May 2010	$ 1,692.13
6/30/2010	June, July, Aug 2010	$ 1,692.13
10/4/2010	Sept, Oct, Nov 2010	$ 1,692.13
1/3/2011	Dec 2010, Jan, Feb 2011	$ 1,692.13
4/5/2011	Mar, Apr, May 2011	$ 1,692.13
7/8/2011	June, July, Aug 2011	$ 1,692.13
10/4/2011	Sept, Oct, Nov, 2011	$ 1,692.13
1/3/2012	Dec 2011; Jan, Feb 2012	$ 1,692.13
4/5/2012	Mar, Apr, May 2012	$ 1,692.13
7/2/2012	June, July, Aug 2012	$ 1,692.13
10/2/2012	Sept, Oct, Nov 2012	$ 1,692.13
11/30/2012	Dec 12, Jan, Feb 2013	$ 1,692.13
2/25/2013	Mar, Apr, May 2013	$ 1,692.13
7/22/2013	June, July, Aug 2013	$ 1,692.13
	Total Paid	**$ 41,672.60**

ENERGY EFFICIENCY CAMPAIGNS/EDUCATION PROGRAMS

Paid	Program Measure	Amount
10/21/2008	1,500 CFL Campaign & Educational Literature	$ 5,012.29
12/11/2008	Reimbursement for Green	$ 3,459.12
3/31/2009	Thermal Imager for Home Audits Program	$ 5,581.12
1/4/2011	Eco @ Home Energy Conserve. Calendars	$ 20,015.81
	Total	**$ 34,068.34**

Dover Library Community Grant Request - **$ 415,317.00**

Collections

$	5,021.15	1/2 of Oct 2009 GEF Payment
$	4,783.94	1/2 of Nov 2009 GEF Payment
$	4,813.23	1/2 of Dec 2009 GEF Payment
$	5,454.02	1/2 of Jan 2010 GEF Payment
$	5,147.49	1/2 of Feb 2010 GEF Payment
$	4,897.69	1/2 of March 2010 GEF Payment
$	3,976.14	1/2 of April 2010 GEF Payment
$	5,638.90	1/2 of May 2010 GEF Payment
$	5,645.35	1/2 of June 2010 GEF Payment
$	6,590.60	1/2 of July 2010 GEF Payment
$	7,786.09	1/2 of August 2010 GEF Payment
$	6,415.31	1/2 of Sept 2010 GEF Payment
$	5,327.96	1/2 of Oct 2010 GEF Payment
$	4,787.73	1/2 of Nov 2010 GEF Payment
$	4,939.75	1/2 of Dec 2010 GEF Payment
$	5,452.55	1/2 of Jan 2011 GEF Payment
$	5,410.35	1/2 of Feb 2011 GEF Payment
$	4,646.32	1/2 of March 2011 GEF Payment
$	4,742.22	1/2 of April 2011 GEF Payment
$	4,702.48	1/2 of May 2011 GEF Payment
$	5,664.97	1/2 of June 2011 GEF Payment
$	6,430.15	1/2 of July 2011 GEF Payment
$	6,916.50	1/2 of Aug 2011 GEF Payment
$	6,149.31	1/2 of Sept 2011 GEF Payment
$	5,243.92	1/2 of Oct 2011 GEF Payment
$	4,829.91	1/2 of Nov 2011 GEF Payment
$	4,531.81	1/2 of Dec 2011 GEF Payment
$	4,990.50	1/2 of Jan 2012 GEF Payment
$	5,071.81	1/2 of Feb 2012 GEF Payment
$	4,828.32	1/2 of March 2012 GEF Payment
$	4,857.07	1/2 of April 2012 GEF Payment
$	4,230.04	1/2 of May 2012 GEF Payment
$	5,711.19	1/2 of June 2012 GEF Payment
$	6,085.89	1/2 of July 2012 GEF Payment
$	7,347.66	1/2 of Aug 2012 GEF Payment
$	6,453.66	1/2 of Sept 2012 GEF Payment
$	4,886.43	1/2 of Oct 2012 GEF Payment
$	4,132.99	1/2 of Nov 2012 GEF Payment
$	5,513.86	1/2 of Dec 2012 GEF Payment
$	5,187.25	1/2 of Jan 2013 GEF Payment
$	5,307.83	1/2 of Feb 2013 GEF Payment
$	4,783.25	1/2 of March 2013 GEF Payment
$	4,903.40	1/2 of April 2013 GEF Payment
$	4,673.21	1/2 of May 2013 GEF Payment
$	5,322.04	1/2 of June 2013 GEF Payment
$	**240,232.12**	**Total Collections**

Total Dover Library Grant Payment Draws to Date	
$ 48,267.00	**10/17/2011**
$ 152,141.32	**12/5/2012**

Total Dover Library Grant Dollars to be Paid
$ 214,908.68

Library Funds Available for Draw
$ 39,823.80

Total Library Grant Uncollected Funds Still Needed
$ 175,084.88