UTILITY COMMITTEE
A G E N D A

JULY 22, 2013 - 5:00 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. **Proposed Amendments - Water/Wastewater Capital Improvement Projects (CIP)** *(Due to Time Constraints, This Item Has Been Placed on the Council Agenda for the Meeting Being Held Later in the Evening)*
   (Staff Recommends Approval of the Proposed Amendments)

2. **TEA/NAES Report (*March and April*)**
   (Staff Recommends Acceptance of the Reports)

3. **Adjournment by 5:55 p.m.**

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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 NO.**: 1
DEPARTMENT OF ORIGIN: Finance	**DATE SUBMITTED**: 07/22/13
PREPARED BY: Donna Mitchell, Controller/Treasurer	
SUBJECT: Revised Water/Wastewater CIP – FY13 through FY14	
REFERENCE: Garrison Oak Technology Park infrastructure build out & improvements	
RELATED PROJECT: N/A	
APPROVALS: City Manager, Controller/Treasurer, Public Works Director	
EXHIBITS: Revised CIP Schedule	
EXPENDITURE REQUIRED: FY13 & FY14 $14,801,300 **AMOUNT BUDGETED**: REVISED $15,801,300	
FUNDING SOURCE (Dept./Page in CIP & Budget): Water Management, CIP Account No.: 417-6800-568.40-31 and Wastewater Management CIP Account No 417-6900-569-40-31. Funds will be transferred upon City Council approval later this evening.	
TIMETABLE: Projects to proceed within timetables submitted in the FY14 CIP program.	
RECOMMENDED ACTION: Approval of Revised Capital Improvement Plan for FY14.	

Background

During the Utility Committee Meeting of February 13, 2012 Mr. Koenig provided the Committee with information on the Calpine project and requested support for City funding for infrastructure improvements of up to a target of $6 million dollars. At the time of the request, it was not known how much would need to be allocated for streets, storm water, water and wastewater. As a placeholder in the FY13 CIP, the $6 million was divided up as $2 million for streets and storm water, $2 million for water, and $2 million for wastewater. These projects were budgeted in the FY13 CIP.

Revised Project Estimates

The conceptual design and technical specifications of the elevated water tank by URS was approved by Council in September 2012 in the amount of $49,000 and completed in April 2013. The original scope of the Water project was changed to increase the pipe size and tank size. The tank was originally estimated for 1.0 million gallons and the pipe was a 12 inch main. The size needed based on requirements of the Calpine project is a 1.5 million gallon tank and a 16 inch main. These factors as well as the soil condition have resulted in a revised project estimate of $4,235,000.

The design of the wastewater facilities by Pennoni was approved by City Council in September 2012 in the amount not to exceed $365,000 and will be completed by August 2013. They were tasked with pump station design, analysis and design of existing force main and gravity sewer, analysis and upgrade design to existing PS #5, and abandonment and design of existing PS #14. In order to facilitate the tie into the County system this project estimate needs to be increased to $3,224,200.

The streets and storm sewer design is close to completion by Becker Morgan. Based on current information the Public Works Director expects this project to be within the estimate of $2 million.

In order to cover the increased estimated cost of these projects, now totaling $9,459,200, we have re-worked the Capital Investment Plan as follows. If other funding sources become available or actual costs are lower, we will replenish the projects affected by priority of need.

Revisions to Water/Wastewater Capital Improvement Plans FY13 & FY14

Project	Current Estimate	Revised Estimate
GOTP – Water System Improvements - Bond	$2,000,000	$4,235,000
Transfer Water Quality Improvements – FY13	250,000	
Transfer Water Quality Improvements – FY14	905,000	
Transfer Emergency Generators – FY14	80,000	
Transfer – WW System Improvements – Bond – FY13	1,000,000	
Total GOTP – Water System Improvements	$4,235,000	
GOTP – Wastewater System Improvements – Bond	$2,000,000	$3,224,200
Transfer to GOTP – Water Infrastructure – FY13	(1,000,000)	
Transfer Wastewater Impact Fees – FY14	1,000,000	
Transfer Inflow Infiltration Improvements – FY14	1,013,800	
Defer purchase of Jet Truck – FY14	210,400	
Total GOTP – Wastewater System Improvements	$3,224,200	

Table 7
Water/Wastewater Capital Improvement Plan FY13 - FY18
7/14/2013

CAPITAL PROJECTS	Revised 2013	Projection 2014	Projection 2015	Projection 2016	Projection 2017	Projection 2018	Yr 14 - Yr 18 5 Yr. Total
Meter Reading - Meters (Split W/WW 50%)	$ -	$ -	$ -	$ 150,000	$ 200,000	$ 200,000	$ 550,000
Vehicles & Equipment (Split W/WW 50%) Eng/Insp/Mtrng	29,200	-	-		17,100	17,800	34,900
							-
Water, Water Construction & Water Treatment							-
Vehicles & Equipment - Water	263,400	116,800	460,200	166,800	232,900	70,600	1,047,300
1.0 MG Elevated Storage Tank	2,166,000	390,000	-	-	-	-	390,000
Piney Point Well	505,600	-	-	-	-	-	-
Garrison Farm Improvements - GOTP Infrastructure	3,000,000	1,235,000	-	-	-	-	1,235,000
Columbia Well Installation	55,000	-	-	-	-	-	-
Projects with Locations to be Determined							
Future Well Installation	-	-	55,000	98,800	408,900	-	562,700
Emergency Generators	80,000	-	-	-	-	-	-
Wellhead Redevelopment	70,000	75,000	80,000	82,500	85,000	87,500	410,000
Water Quality Improvements	641,800	-	960,000	950,000	950,000	950,000	3,810,000
SCADA Upgrades	-	-	80,000	80,000	-	-	160,000
Treatment Plant Improvements	-	-	150,000	350,000	550,000	-	1,050,000
Total Water	**6,781,800**	**1,816,800**	**1,785,200**	**1,728,100**	**2,226,800**	**1,108,100**	**8,665,000**
Wastewater							
Vehicles & Equipment - Wastewater	265,100	26,800	59,900	241,100	353,900	236,800	918,500
Batray Pump Station Replacement	100,000	-	-	-	-		-
Tar Ditch Interceptor Upgrade (Impact Fees)	490,300	-	-	-	-	-	-
SCADA System Technology Upgrade	29,300	-	-	-	-	-	-
Fox Hall Pump Station Replacement DSRLF	144,800	-	-	-	-	-	-
Brandywine Pump Station Replacement	350,000	-	-	-	-	-	-
Garrison Farm Improvements - GOTP Infrastructure	1,000,000	2,224,200	-	-	-		2,224,200
Lepore Road Pump Station Replacement DSRLF	384,200	-	-	-	-	-	-
Rolling Acres Pump Station Replacement	-	-	-	52,000	360,500	-	412,500
Dover Brook Gardens Pump Station Upgrade	50,000	-	-	-	-	-	-
McKee Road Pump Station Communicator Replacement	45,000	-	-	-	-	-	-
DelTech Pump Station Replacement	-	-	-	-	52,000	403,000	455,000
Westover Pump Station & Force Main Upgrade - Impact Fees	65,000	-	703,800	-	-	-	703,800
Lakeview Drive Pump Station Replacement	52,000	-	450,000	-	-	-	450,000
Lepore Road Sanitary Sewer Main	-	-	-	-	50,000	275,000	325,000
Sliver Lake Pump Station Replacement	-	-	-	-	-	52,000	52,000
Hazlettville Road Interceptor - Impact Fees	30,000	-	740,000	-	-	-	740,000
Retreat Pump Station Replacement	-	-	52,000	360,500	-	-	412,500
Location/Pump Station to be Determined							
Inflow/Infiltration Removal/System Improvements	1,916,800	-	1,264,500	1,200,000	1,207,500	1,250,000	4,922,000
Total Wastewater	**4,922,500**	**2,251,000**	**3,270,200**	**1,853,600**	**2,023,900**	**2,216,800**	**11,615,500**
Total	$ 11,733,500	$ 4,067,800	$ 5,055,400	$ 3,731,700	$ 4,467,800	$ 3,542,700	$ 20,865,400
FUNDING SOURCES	**Revised 2013**	**Projection 2014**	**Projection 2015**	**Projection 2016**	**Projection 2017**	**Projection 2018**	**Yr 11 - Yr 15 Total**
I & E Fund Budget Balance - Water	$ 3,811,200	$ 1,727,300	$ 1,513,000	$ 940,300	$ 849,700	$ 126,800	
I & E Fund Budget Balance - Wastewater	$ 2,641,000	$ 166,400	$ 257,900	$ 115,800	$ 164,700	$ 9,800	
Transfer from Operating Fund - Water	1,700,000	1,200,000	1,200,000	1,700,000	1,600,000	1,700,000	7,400,000
Transfer from Operating Fund - Wastewater	1,200,000	1,330,000	1,800,000	1,800,000	1,800,000	2,100,000	8,830,000
Transfer from Impact Fee Reserve - Water	-	390,000	-	-	-	-	390,000
Transfer from Impact Fee Reserve - Wastewater	250,000	1,000,000	1,315,600	165,000	165,000	182,000	2,827,600
Net Bond Proceeds - Water (Bond) net proceeds	3,000,000	-	-	-	-	-	-
Net Bond Proceeds - Wastewater (Bond)	1,000,000	-	-	-	-	-	-
Interest Income	25,000	25,000	25,000	25,000	25,000	25,000	125,000
Total Sources of Funds (incl. Budget Balances)	$ 13,627,200	$ 5,838,700	$ 6,111,500	$ 4,746,100	$ 4,604,400	$ 4,143,600	$ 19,572,600
Water	$ 1,727,300	$ 1,513,000	$ 940,300	$ 849,700	$ 126,800	$ 622,300	$ 1,513,000
Wastewater	$ 166,400	$ 257,900	$ 115,800	$ 164,700	$ 9,800	$ (21,400)	$ 257,900
Total Budget Balances	$ 1,893,700	$ 1,770,900	$ 1,056,100	$ 1,014,400	$ 136,600	$ 600,900	$ 964,195

The Energy Authority, Inc.

Monthly Management Committee Update – March 2013

April 25, 2013

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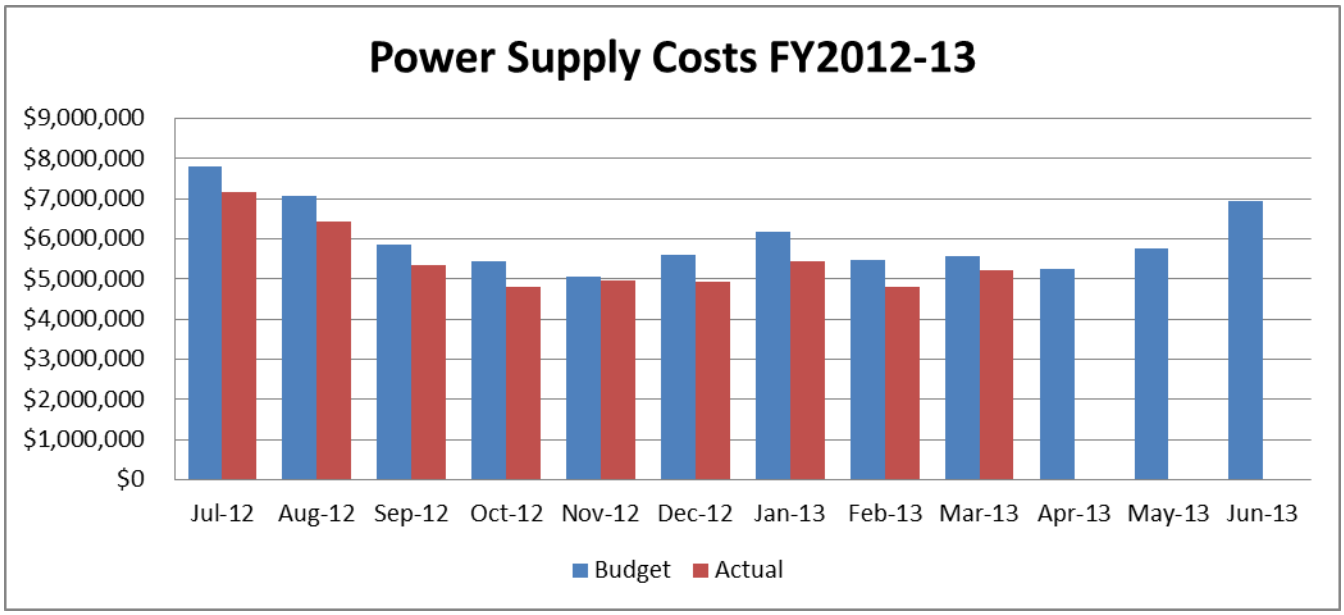
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I. Executive Summary

A. Power Supply Summary:



Overall Power Supply costs were $343,619 under budget due to lower than budgeted cost of hedged energy and energy purchases.

Dover's budgeted cost for all power supply (capacity AND energy) was $93.59/MWh. The actual cost of all power supply (capacity AND energy) was $88.48/MWh.

The cost of energy alone was $61.74/MWh, versus a budgeted energy cost of $69.61.

Dover's hedge purchases totaled 47,372 MWh, which was 80% of the projected load and 80% of the actual load.

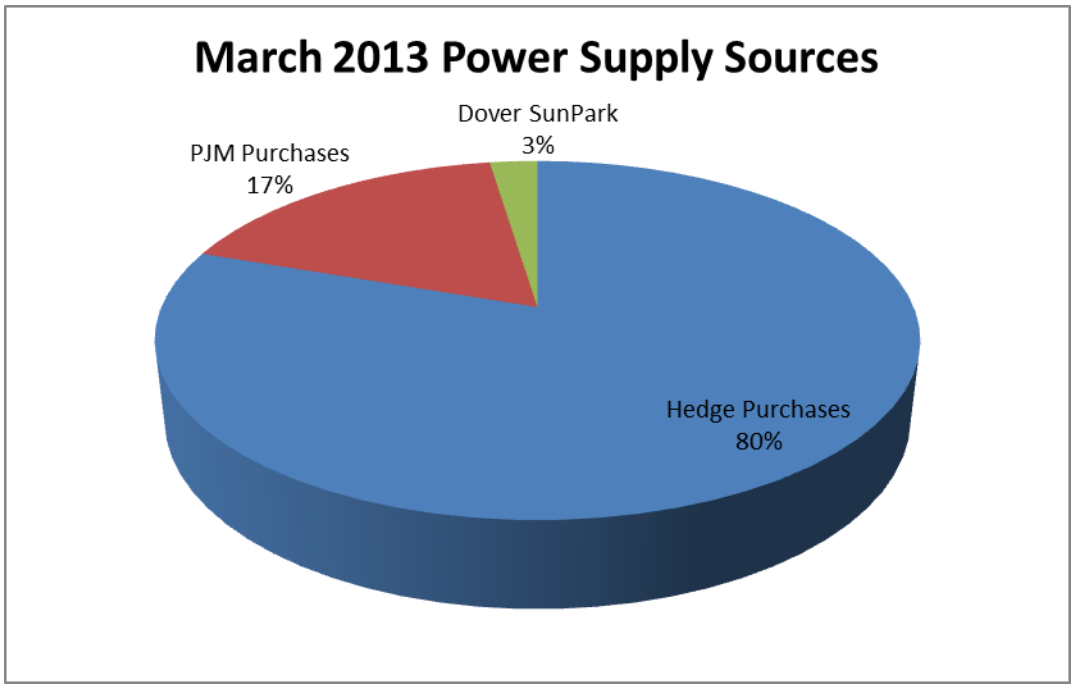
Dover's power purchases from hedge transactions totaled $2,910,970. Purchases from PJM (energy and fees) totaled $1,146,602 with DA Energy purchases totaling $734,413 and Balancing Spot Market Energy totaling a credit of $182,833.

Dover's total load was 59,004 MWh versus a forecasted load of 59,450 MWh.

Dover's planned energy purchase from the SunPark solar installation was 1440 MWh. Dover's actual energy purchase from the SunPark installation was 1423 MWh.

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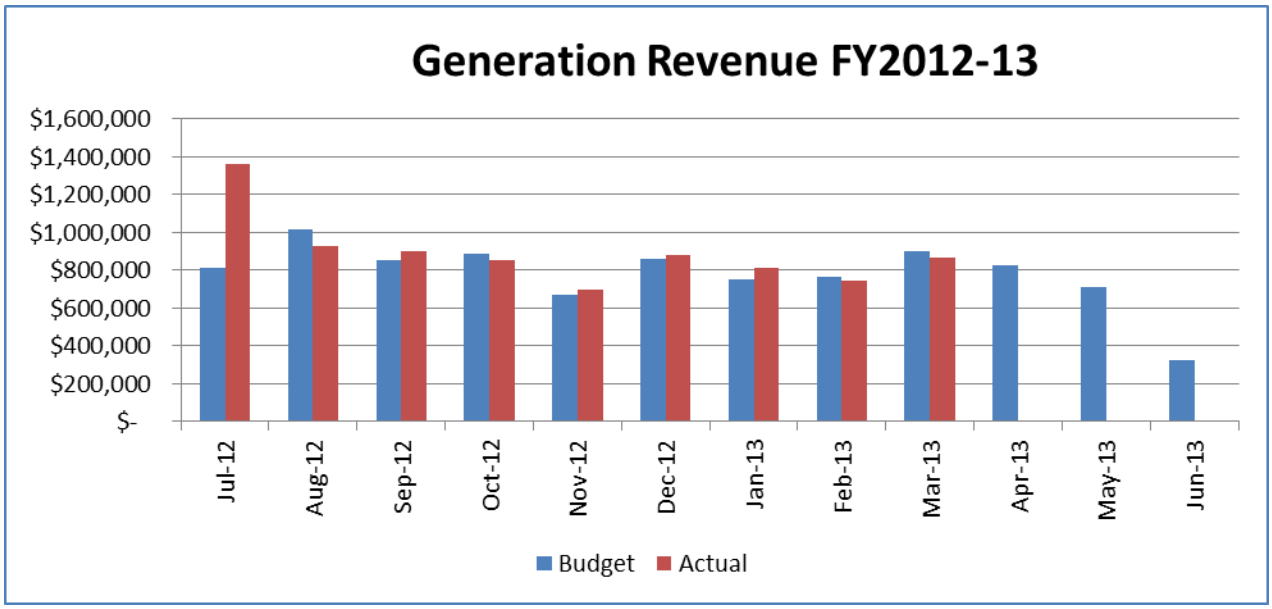
Supply Source Summary:



Supply Variance:

	Budget	Actual	Variance
Gross Load	59,450	59,004	446
Wholesale Load	58,010	57,581	429
Hedged Volume (MWh)	47,372	47,372	-
Unhedged Volume (MWh)	10,638	10,209	429
Dover SunPark Volume (MWh)	1,440	1,423	17
Renewable Energy Credits Volume	216	136	80
Hedged Cost ($/MWh)	$ 60	$ 61	$ (1)
Unhedged Energy Cost ($/MWh)	$ 110	$ 59	$ 51
Solar Energy Cost ($/MWh)	$ 83	$ 86	$ (3)
Energy Costs ($/MWh)	**$69.61**	**$61.74**	**$7.87**
All-in Costs - Energy, Capacity and RE	**$93.59**	**$88.48**	**$5.12**

B. Generation Summary:



Dover generated 0.07 MWh in the month. Net generation revenue was $867,074 vs. a budget of $898,302. This delta was mainly due to higher than budgeted O&M costs.

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Generation Breakdown:

City of Dover's Wholesale Generation		
Net Generation Mwh		**0.07**
All In Generation Margin		
PJM Bill Energy	$	1,195.64
PJM Capacity	$	1,205,977.50
Black Start, Reactive Credit, DASR & EFORp	$	36,373.16
Gas Purchases	$	-
Oil Purchases	$	-
Transport / Cash Out	$	(487.00)
Gross Margin	**$**	**1,243,059.30**
Production Margin		
Generation Production Revenues (PJM)	$	1,195.64
Gas Purchases	$	-
Oil Purchases	$	-
Transport / Cash Out	$	(487.00)
Gross Production Margin	**$**	**708.64**

C. Emissions Summary:

Emissions Allowance Summary through March 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
Jan 2013	**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)
3/31/2013	**2013 Emissions**	**0**	**0**	**0**
REMAINING ALLOWANCES		**11,053**	**112[3]**	**192**

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). On January 24, 2013, the full DCA

[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.

refused to rehear a decision of the three-judge panel. On March 29, 2013 EPA, filed a petition with the U.S. Supreme Court asking it to hear the agency's appeal of the DCA decision to vacate CSAPR. As of the date of this report, the Supreme court has not accepted or rejected EPA's petition.

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 (4/22/2013)			
Commodity	**$/Ton (Bid/Offer Avg.)**	**Tons**	**Extended Value**
SO_2 Allowances	$ 0.60	11,053	$6,632
NO_x Allowances - Seasonal	$20.00[4]	112[3]	2,240
NO_x Allowances - Annual	$40.00	192	7,680
TOTAL			**$16,552**

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.

[4] The most recent Seasonal NOx price available to TEA was received on April 1, 2013.

CO2 Allowance Summary (3/31/2013)							
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	(19)	15,527	120,032

The table shows that the "**Allocated CO_2 Allowances"** (column 5) are declining. After 2013, Dover will no longer receive allocations of RGGI allowances. Actual CO_2 emissions (column 6) have varied from 5,796 tons in 2009 to 32,971 tons in 2010. 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 include:

- A reduction of the 2014 regional CO_2 budget, "RGGI cap", from 165 million to 91 million tons – a reduction of 45 percent. The cap would decline 2.5 percent each year from 2015 to 2020.
- Additional adjustments to the RGGI cap from 2014-2020. This will account for the private bank of allowances held by market participants before the new cap is implemented in 2014. From 2014-2020 compliance with the applicable cap will be achieved by use of "new" auctioned allowances and "old" allowances from the private bank.
- The Minimum Reserve Price for 2014 will be $2.00 and increase by 2.5% per year thereafter.
- Cost containment reserve (CCR) of allowances that creates a fixed additional supply of allowances that are only available for sale if CO_2 allowance prices

exceed certain price levels ($4 in 2014, $6 in 2015, $8 in 2016, and $10 in 2017, rising by 2.5 percent, to account for inflation, each year thereafter.)

- Updates to the RGGI offsets program, including a new forestry protocol.
- Not reoffering unsold 2012 and 2013 CO_2 allowances.
- Requiring regulated entities to acquire and hold allowances equal to at least 50 percent of their emissions in each of the first 2 years of the 3 year compliance period, in addition to demonstrating full compliance at the end of each 3 year compliance period.
- Commitment to identifying and evaluating potential tracking tools for emissions associated with electricity imported into the RGGI region, leading to a workable, practicable, and legal mechanism to address such emissions.

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 March 15, 2013 and the auction cleared at $2.80/ton. The next RGGI auction will be held on June 5, 2013. Dover has not registered to participate in this upcoming auction.

RGGI futures prices posted on Intercontinental Exchange (ICE) are currently $3.40/ton. Based on ICE futures prices, the value of Dover's existing RGGI allowance bank (120,032 tons) is approximately $408,109.

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. The output has been recorded on PJM's Generation Attribute Tracking System (GATS), resulting in a balance of 48 Solar Renewable Energy Certificates (SRECS) for all generation through December 2012.

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 February 2013, Dover has accumulated a total of 4,195 SRECS from this contract.

Given the current SREC market structure, combined with the impact of the Sun Park and other facilities coming on-line in 2011, Dover's ability to remarket excess SRECs presents unique challenges. Market price for Delaware SRECs from the September 2012 auction was $40/MWh, resulting in a ***theoretical*** **market value of $169,720** for Dover's 4,243 SRECs.

It should be noted, however, that the nearest viable market for Dover's SRECs is Pennsylvania. Pennsylvania's February 2013 SREC auction cleared at $10/MWh. Using this price, Dover's **SRECs would have a market value of $42,430**.

The next auction for Delaware's RECs opened on March 21st, 2013 and closes on April 12, 2013. Results for this auction should be available on April 26th.

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 March, there were no reportable or lost time accidents or injuries. The facility has now gone 899 days without an OSHA recordable accident and 899 consecutive days without a lost time reportable accident. There were zero Environmental Notices of Violations issued. There were no Near Miss incidents. In the month of March, no units were dispatched by PJM nor were they self-dispatched. All Units were in a planned outage starting March 4. A Black Start capability test was successfully competed on Unit 11. Work continues on the installation of the industrial waste water discharge system.

Monthly Budget Variance - The actual expenses attributable to O&M of the two sites for the month of March were $375,277. The actual expenses are $32,021 or 9.33% over the approved budget of $343,256. The principal reason for the unfavorable variance was due to timing of expenses for overhead crane testing and replacement of instrumentation on the water treatment storage tank which were budgeted later in the year.

E. Risk Management Summary:

Forward power prices in PJM have risen slightly since last month due to higher forward gas prices and resulting in a slightly higher blended cost in power year 2012-13 and 2013-14. Prices have dropped in power year 2014-15 and 2015-16 resulting in a lower blended cost.

The current projected cost of service is below:

Power Year	Hedge Ratio	Blended Cost ($/MWh)
2012-13	81%	$61.55
2013-14	57%	$52.51
2014-15	36%	$47.84
2015-16	14%	$46.60

II. Budget Report

Variance Report:

	Budget Mar-13	Actual Mar-13	Variance
Gross Load	**59,450**	**59,004**	**446**
Power Supply			
Hedged Energy	$2,843,755	$2,910,970	($67,215)
PJM- Energy	$1,165,286	$601,967	$563,319
PJM - Transmission and Fees	$313,000	$544,634	($231,634)
Dover SUN Park Energy	$129,132	$129,900	($768)
Management Fees	$83,000	$83,000	$0
Capacity UCAP Obligated Purchased	$1,029,954	$950,037	$79,917
Subtotal - Power Supply	**$5,564,127**	**$5,220,508**	**$343,619**
Power Generation O&M & Fixed Fuel			
Plant O&M	$343,256	$375,277	($32,021)
Subtotal Generation O&M	**$343,256**	**$375,277**	**($32,021)**
Power Generation Production Margin			
Economic and reliability dispatch	$0	($1,196)	$1,196
Fixed Fuel and Transport Charges	$0	$487	($487)
Subtotal Generation Production Margin	**$0**	**($709)**	**$709**
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	**($898,302)**	**($867,782)**	**($30,520)**
Total - Utilities Cost	**$4,665,825**	**$4,352,726**	**$313,099**
Unit Costs			
Total - Power Supply	$93.59	$88.48	$5.12
Total - Power Generation	($15.11)	($14.71)	($0.40)
Final Cost of Service to City of Dover Ratepayers	$78.48	$73.77	$4.71

Variance Analysis:

Power Supply

- Dover consumed 446 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 above forecast.
- The result of lower overall costs for more power was a net power supply cost of $88.48/MWh, $5.12/MWh lower than budget.
- For the month, the city realized a favorable variance of $343,619 for power supply vs. the monthly budget.
- Dover Sun Park generated 17 MWh less than what was forecasted.

Generation

- Power generation had an unfavorable budget variance of $30,520.
- Plant O&M expenses had an unfavorable budget variance of $32,021 for the month.

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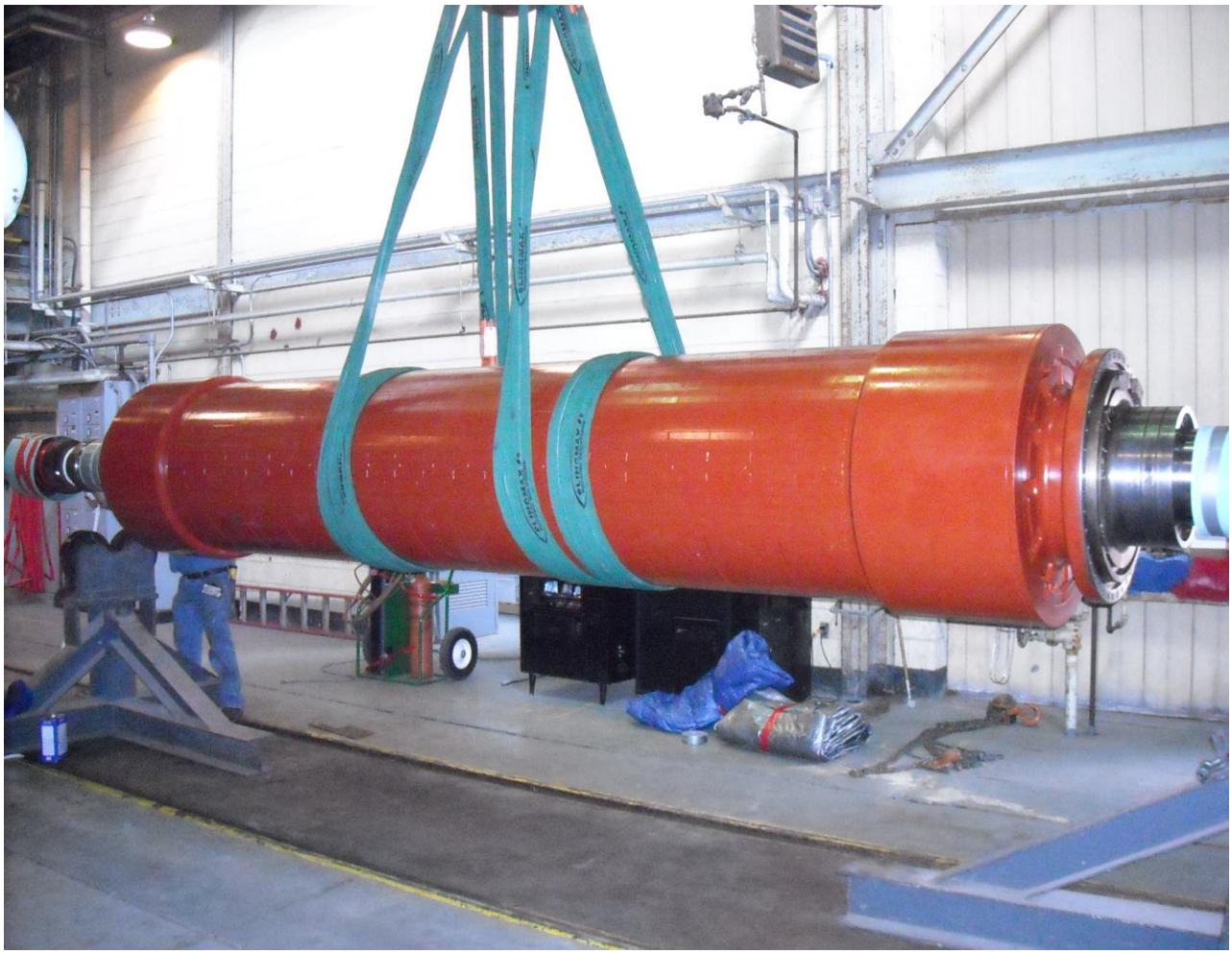
YTD Variance Report:

	Budget YTD	Actual YTD	Variance
Gross Load	**568,081**	**572,529**	**(4,448)**
Power Supply			
Hedged Energy	$29,935,965	$29,038,094	$897,871
PJM- Energy	$10,466,152	$6,151,748	$4,314,404
PJM - Transmission and Fees	$2,817,000	$3,762,616	($945,616)
Dover SUN Park Energy	$993,371	$1,042,479	($49,107)
Management Fees	$747,000	$747,000	$0
Capacity UCAP Obligated Purchased	$9,103,463	$8,399,193	$704,270
Subtotal - Power Supply	**$54,062,951**	**$49,141,131**	**$4,921,821**
Power Generation O&M & Fixed Fuel			
Plant O&M	$4,008,438	$3,909,570	$98,868
Subtotal Generation O&M	**$4,008,438**	**$3,909,570**	**$98,868**
Power Generation Production Margin			
Economic and reliability dispatch	($1,124,312)	($1,866,792)	$742,480
Fixed Fuel and Transport Charges	$586,004	$949,301	($363,297)
Subtotal Generation Production Margin	**($538,308)**	**($917,490)**	**$379,182**
Power Generation Non-Production Revenue			
Generation Capacity Credit	($10,659,288)	($10,659,285)	($4)
Emissions Allowance Sales	$0	$0	$0
Black Start & Reactive Power Revenue	($320,220)	($383,258)	$63,038
Subtotal - Non-Production Revenue	**($10,979,508)**	**($11,042,543)**	**$63,035**
SubTotal - All Generation	**($7,509,378)**	**($8,050,463)**	**$541,085**
Total - Utilities Cost	**$46,553,573**	**$41,090,668**	**$5,462,906**
Unit Costs			
Total - Power Supply	$95.17	$85.83	$9.34
Total - Power Generation	($13.22)	($14.06)	$0.84
Final Cost of Service to City of Dover Ratepayers	$81.95	$71.77	$10.18

III. Operations Management

NAES Corporation
Dover, Delaware

March 2013
Monthly Report



Unit 3 Generator Rotor that has been removed for Inspection and Testing

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1.0 Environmental, Health and Safety:

During the month of March, there were no restricted work days or lost time accidents. The facility has now gone two years, five months and nineteen days (899 days total) through March 31, 2013 without an OSHA Recordable Accident or a Lost Time reportable accident.

The plant received no Notice of Violations (NOVs) during the month and a number of reporting activities were completed during the month. The March DMR was submitted for the McKee Run site with no NPDES exceedences. The annual e-GGRT EPA Greenhouse Gas reports were submitted for the McKee Run and VanSant facilities. The annual Tier II EPA Chemical Inventory reports were submitted for the McKee Run and VanSant facilities. The Title V air permits for the McKee Run and VanSant facilities were advertised by DNREC with no comment received. The McKee Run NPDES permit renewal was submitted with the facility intending to move to a General Storm Water Permit at the end of this current permit cycle.

Environmental, Health, and Safety Statistics		
	Month (March)	Fiscal Year to Date (7/1/12-2/28/13)
NOVs	0	0
Opacity Deviations	0	0
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	4,144	37,660.50
Date last OSHA Recordable		10/14/10
Date last Lost Time Accident		10/14/10
Days since last OSHA recordable		899
Days since last Lost Time Accident		899

Mechanical work is nearly complete on the Industrial Wastewater Project with both Mechanical and Electrical contractors currently onsite. Project completion is anticipated for May 2013.

Emissions (NO_x & SO_2) All data thru 3/31/13

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	0.0	0.0	0.0
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	0.0	0.0	0.0
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

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.**					

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	19	15,527
Note: All CO2 allowance values are provided by the RGGI CO2 Allowance Tracking System.					

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)** McKee Run - VanSant	**CAIR NOx Allowances Purchased YTD**	**NOx Allowance Balance**	
		McKee Run (Yr/Season)	***VanSant (Yr/Season)***			***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	71/46	5/3	0/0 – 0/0	0/0 - 0/0	71/46	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 – March			
	Actual	Budget	Variance
Personnel	237,611	241,742	4,131
Materials & Supplies	8,356	7,490	(866)
Administrative Expenses	129,310	94,024	(35,286)
Total	**$375,277**	**$343,256**	**($32,021)**

Financial – Fiscal Year to Date

Number of Months – 9			
	Actual	Budget	Variance
Personnel	2,259,248	2,329,294	70,046
Materials & Supplies	166,828	170,930	4,102
Administrative Expenses	1,483,493	1,508,214	24,721
Total	**$3,909,569**	**$4,008,438**	**$98,869**

2.1 Variance analysis:

The City of Dover Finance Department has closed the books for the month of March 2013. The expenses for March are $375,277 against a budgeted amount of $343,256 for an unfavorable variance of $32,021 or ≈ 9.33%. The variance was due to the following:

PERSONNEL EXPENSES – A favorable monthly variance of $11,692 was due to having a lower than budgeted straight time labor and labor burdens.

MATERIALS AND SUPPLIES EXPENSES- An unfavorable monthly variance of $866 was due primarily to the timing of the invoice for the annual MP2 (CMMS) maintenance contract.

ADMINISTRATIVE EXPENSES – An unfavorable monthly variance of $35,286 was due to expenses for overhead crane load test – inspection, video recorder replacement (budgeted for later in year), level indicators for Unit #3 water treatment storage tanks, and main gas isolation valve replacement.

The budget is currently forecasted to finish this fiscal year at $5,838,495 expensed versus an approved budget of $5,914,900 thereby realizing a 98.71% expenditure rate.

3.0 Operations

Unit Operations / Outages / Trips

No units were dispatched by PJM and none were self-dispatched for the month of March. All units started the spring outage at 0700 hours on March 4, 2013. The annual Black Start test of Unit 11 was successfully completed on March 13, 2013 and reported as such in the PJM eDART system. Net generation is zero due to the unit being self-sufficient during the course of the testing.

Month March 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	0.0	0.0	0.0	0.0
Starts	#	0	0	0	0	1	1
Gross Generation	MWh	0.0	0.0	0.0	0.0	0.086	0.086
Net Generation	MWh	0.0	0.0	0.0	0.0	0.0	0.0
Total Auxiliaries	MWh	31.530	31.530	137.812	200.872	5.699	206.571
Auxiliaries purchased	MWh	31.530	31.530	137.812	200.872	5.699	206.571
Fuel Gas Used	MMBTU	0.0	0.0	0.0	0.0	103.592	103.592
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	0.0	0.0	103.592	103.592
Net Heat Rate	BTU/KWh	0	0	0	0	0	0.0
Unit Trips	#	0	0	0	0	0	0
Capacity Factor	%	0.0	0.0	0.0	0.0	0.0	0.0
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	665.000	665.000	665.000	1,995.000	665.000	2,660.000
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	79.0	79.0	79.0	237.00	79.0	316.00
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 - March							
		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	285.597	453.849	22.699	476.548
Starts	#	3	2	26	31	5	36
Gross Generation	MWh	668.79	582.202	18,797.488	20,048.48	714.904	20,763.384
Net Generation	MWh	628.855	541.673	17,317.513	18,488.041	714.287	19,202.328
Total Auxiliaries	MWh	295.344	295.937	2,994.758	3,586.039	31.388	3,442.244
Auxiliaries purchased	MWh	255.409	255.409	1,514.783	2,025.601	30.857	2,056.458
Fuel Gas Used	MMBTU	9,483	8,108,	199,166.724	216,348	8,532.592	224,888
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,	199,166.724	216,348	8,644	224,992
Net Heat Rate	BTU/KWh	15,021	14,970	11.826	13,939	12,604	13,271
Unit Trips	#	0	0	1	1	0	1
Capacity Factor	%	0.54	0.49	2.60	2.08	0.28	1.68
Availability Factor	%	66.70	66.70	66.70	66.70	66.70	66.70
Commercial Unavailability (CU)	%	0	0	0	0	0	0
Planned Outage Hours	Hours	2,177	2,177	2,177	6,531	2,177	8,708
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)	448,556	448,556	0	0	454,725	0	(6,169)
VanSant (#2 Fuel Oil)	143,520	143,857	0	337	152,150	0	(8,293)

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

VanSant Lifetime through 3/31//13			
	Actual Starts	Factored Starts	Fired Hours
VanSant	1307	2,236.25	4,218.86
Since HGP - Dec 2004	231	568.55	835.28

Team Report:

The operators continue to use the Plant Readiness Program for training and refreshing their plant knowledge on different systems to improve the plant's reliability. Some of the training involved promotes teamwork with other staff members to work together to find a solution and to promote further discussions on equipment operation. The operators also use the GPi Learning courses to improve their knowledge and skills. The GPI online training which supports our safety, OSHA, and environmental training are being used by the teams to complete their training for the year. Along with the GPI OSHA training the operators review the plant's safety procedures.

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. They assisted in the natural gas line purge on Unit 3 in preparation of the installation of the pipe blank and in the purge on Units 1 and 2 gas lines. The Operations staff has also supported the outage by performing various LO/TO 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.

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 March, the Plant Maintenance staff continued addressing the backlog of work orders and completing outage activities. There were sixty-two work orders issued with seventy-five 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

March - 2013

Priority #	Outstanding From Previous Month	Issued This Month	Completed This Month	Outstanding at the end of the month
1	10	1	4	7
2	47	6	18	35
3	43	0	5	38
4	6	0	0	6
5	18	6	2	22
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	80	49	46	83
Totals	204	62	75	191

Note: PMs are included in the priority totals

Notable activities during the month include:

- NAES Mechanical Maintenance Staff completed outage inspections on Unit 3 boiler, wind box, air register dampers and all associated duct work. There were no issues found during all of these inspections.

- NAES Turbine Services was on site to inspect and test the Unit 3 generator stator and rotor. During the testing there were no issues found during any of the inspections or tests. As part of work, NAES IC&E Staff provided support in the dismantling and reassembly of the generator by removing and reinstalling all necessary wiring and instrumentation equipment to complete the inspection and testing of the unit.

- APEX Piping System was on site to replace two tubes at the A2 burner throat. After the replacement of the tubes was complete, a hydro was performed on the boiler in which it was pressurized to approximately 1660psi. There were no leaks on the tubes that were repaired or any other leaks in the boiler.

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 40%. Schedule: Bids were obtained; contract work awarded and work to be completed in the Spring 2013 outage.
EG1203	Unit 3 Auxiliary System Components	Progress: The FY13 Spring Outage contract work bids have been evaluated and contracts have been awarded. Schedule: Scheduled work is on track for completion by end of Spring 2013 outage.
EG1212	Unit 3 Turbine Repairs	Progress: Long lead material requirements being developed for bid. Schedule: Long lead items will be procured in the spring of 2013. Some turbine parts (turbine 9th stage blading) have been ordered
EG1304	Units 1 & 2 Components Repairs	Progress: The FY2013 work scope package being developed Schedule: Work to be completed during the spring outage
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 Repairs	Progress: The FY2013 work scope package being developed. 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 has been awarded and vendor has mobilized to the plant. Disassembly has been undertaken and testing has been completed with no issues found. Schedule: Oil flush and air leak check of the generator are slated to be completed in April with an operational check of the unit to forward shortly afterwards.
EG1214	MR Industrial Waste water System	Progress: Mechanical and electrical installation work has been started. Mechanical work is 80% complete and electrical work is 40%. Schedule: Installation work slated for completion in April 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

- The XL Insurance Representatives Neal Grabow and Steve Behrens who were onsite in February for their annual inspection provided the plant with a draft of their 2013 report. Plant staff reviewed the document and provided several suggested edits on some of the language and also clarified some technical points regarding the plant. The report was also provided to COD management for their review and comments. Goal is to provide Mr. Grabow with those edits in early April.

- 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.

- The data was entered into PJM eGADS for the verification of completion of the Winter Capacity Test. Since all the units were in the Winter Test Exemption Program and the units did not operate, summer test data is used for the verification.

Training:

- OES-NA was on site on March 18th and 19th for PJM simulation training. PJM requires 30 simulation credits for the three year Generation System operator certification. The only method to receive these credits is to attend PJM System Operator seminar or to have qualified training observed by PJM. Voltage Control, Congestion Management, and Emergency Operations was covered in the two day class using laptops. Five operators and two supervisors attended the class. BL England sent an Operations supervisor for training. This class will supply the operator with 14 simulation credits.

- Plant employees continue 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.

- Topics discussed during the monthly safety committee meeting were reviewed by the entire staff.

Calendar of Events	Date
NOx Emissions Reconciliation Due	March 1, 2013
SO2 Emissions Reconciliation Due	March 1, 2013
SARA III Report	March 1, 2013
NPDES Permit Renewal Due	March 4, 2013
Units 1, 2, and 3 Spring Outage	March 4, 2013 – June 1, 2013
Unit 11 Spring Outage	March 4, 2013 – June 1, 2013
Annual VanSant Black Start Test	March 13, 2013
Air Emission Inventory	March 30, 2013
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

7.0 Summary of NAES Performance to Date

Measure	Plant Performance FY 2012-2013 Month		Year to Date		YTD Incentive	FY Maximum Incentive
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	$ (1,193.00)	$ 21,207.94	$ 20,014.94
Balancing Spot Market Energy	$ (2.54)	$ (182,830.31)	$ (182,832.85)
Balancing Transmission Congestion	$ (0.01)	$ (8,590.32)	$ (8,590.33)
Balancing Transmission Losses	$ (0.09)	$ 4,349.66	$ 4,349.57
Black Start Service	$ (6,905.58)	$ 1,995.96	$ (4,909.62)
Capacity Resource Deficiency		$ (510.88)	$ (510.88)
Capacity Transfer Rights		$ (33,318.18)	$ (33,318.18)
Day-ahead Operating Reserve		$ 6,488.89	$ 6,488.89
Day-ahead Scheduling Reserve		$ 64.93	$ 64.93
Day-ahead Spot Market Energy		$ 734,413.39	$ 734,413.39
Day-ahead Transmission Congestion		$ (49,202.62)	$ (49,202.62)
Day-ahead Transmission Losses		$ 76,130.72	$ 76,130.72
Expansion Cost Recovery		$ 427.49	$ 427.49
FERC Annual Recovery		$ 3,515.22	$ 3,515.22
Generation Deactivation Refund		$ (758.35)	$ (758.35)
Inadvertent Interchange		$ (303.95)	$ (303.95)
Load Management Test Failure		$ (199.95)	$ (199.95)
Load Reconciliation for Balancing Operating Reserve		$ (26.92)	$ (26.92)
Load Reconciliation for FERC Annual Recovery		$ (6.84)	$ (6.84)
Load Reconciliation for Inadvertent Interchange		$ (4.51)	$ (4.51)
Load Reconciliation for Market Monitoring Unit (MMU) Funding		$ (0.44)	$ (0.44)
Load Reconciliation for North American Electric Reliability Corporation (NERC)		$ (1.15)	$ (1.15)
Load Reconciliation for PJM Scheduling, System Control and Dispatch Service		$ (23.73)	$ (23.73)
Load Reconciliation for Reactive Services		$ (143.98)	$ (143.98)
Load Reconciliation for Regulation and Frequency Response Service		$ 161.33	$ 161.33
Load Reconciliation for Reliability First Corporation (RFC)		$ (1.64)	$ (1.64)
Load Reconciliation for Schedule 9-6 - Advanced Second Control Center		$ (3.06)	$ (3.06)
Load Reconciliation for Spot Market Energy		$ 6,987.49	$ 6,987.49
Load Reconciliation for Synchronized Reserve		$ 99.31	$ 99.31
Load Reconciliation for Transmission Congestion		$ 2,221.44	$ 2,221.44
Load Reconciliation for Transmission Losses		$ 664.76	$ 664.76
Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service		$ (8.54)	$ (8.54)
Locational Reliability		$ 984,894.18	$ 984,894.18
Market Monitoring Unit (MMU) Funding		$ 172.77	$ 172.77
Meter Error Correction		$ (2,762.21)	$ (2,762.21)
Network Integration Transmission Service		$ 292,797.79	$ 292,797.79
Non-Firm Point-to-Point Transmission Service		$ (395.83)	$ (395.83)
North American Electric Reliability Corporation (NERC)		$ 590.79	$ 590.79
Organization of PJM States, Inc. (OPSI) Funding		$ 40.78	$ 40.78
PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center		$ 1,559.76	$ 1,559.76
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		$ 9,996.22	$ 9,996.22
PJM Scheduling, System Control and Dispatch Service - Market Support		$ 2,259.12	$ 2,259.12
PJM Scheduling, System Control and Dispatch Service - Market Support Offset		$ (307.21)	$ (307.21)
PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		$ 92.54	$ 92.54
PJM Settlement, Inc.		$ 307.21	$ 307.21
Reactive Services		$ 163,363.08	$ 163,363.08
Reactive Supply and Voltage Control from Generation and Other Sources Service	$ (29,467.58)	$ 33,308.23	$ 3,840.65
Regulation and Frequency Response Service		$ 14,916.39	$ 14,916.39
Reliability First Corporation (RFC)		$ 844.82	$ 844.82
RPM Auction	$ (1,205,977.50)		$ (1,205,977.50)
Synchronized Reserve		$ 10,933.30	$ 10,933.30
Transmission Enhancement		$ 23,052.94	$ 23,052.94
Transmission Losses		$ (26,018.10)	$ (26,018.10)
Transmission Owner Scheduling, System Control and Dispatch Service		$ 4,389.59	$ 4,389.59
Balancing Operating Reserve for Load Response		$ (2.09)	$ (2.09)
Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding		$ (0.08)	$ (0.08)
Load Reconciliation for Day-ahead Scheduling Reserve		$ 0.09	$ 0.09
Load Reconciliation for Synchronous Condensing		$ (0.01)	$ (0.01)
Demand Resource and ILR Compliance Penalty		$ (95.79)	$ (95.79)
Day-Ahead Load Response Charge Allocation		$ 182.11	$ 182.11
Real-Time Load Response Charge Allocation		$ 40.98	$ 40.98
Incremental Capacity Transfer Rights		$ (1,028.27)	$ (1,028.27)
Michigan - Ontario Interface Phase Angle Regulators		$ 180.96	$ 180.96
Non-Synchronized Reserve		$ 702.63	$ 702.63
CT Lost Opportunity Cost Allocation		$ (10.23)	$ (10.23)
Load Reconciliation for Non-Synchronized Reserve		$ 7.36	$ 7.36
	$ (1,243,546.30)	**$ 2,096,638.65**	**$ 853,092.35**

The Energy Authority, Inc.

Monthly Management Committee Update – April 2013

May 23, 2013

Prepared by:

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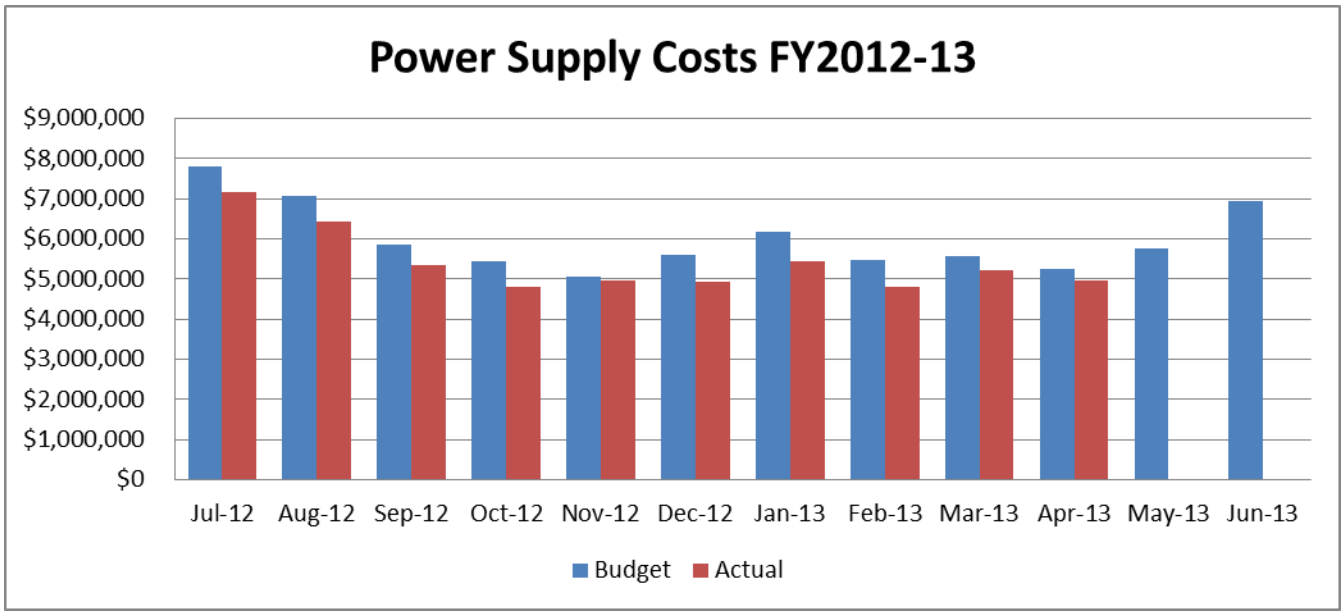
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I. Executive Summary

A. Power Supply Summary:



Overall Power Supply costs were $276,810 under budget due to lower than budgeted cost of energy purchases.

Dover's budgeted cost for all power supply (capacity AND energy) was $98.45/MWh. The actual cost of all power supply (capacity AND energy) was $93.08/MWh.

The cost of energy alone was $64.85/MWh, versus a budgeted energy cost of $72.35.

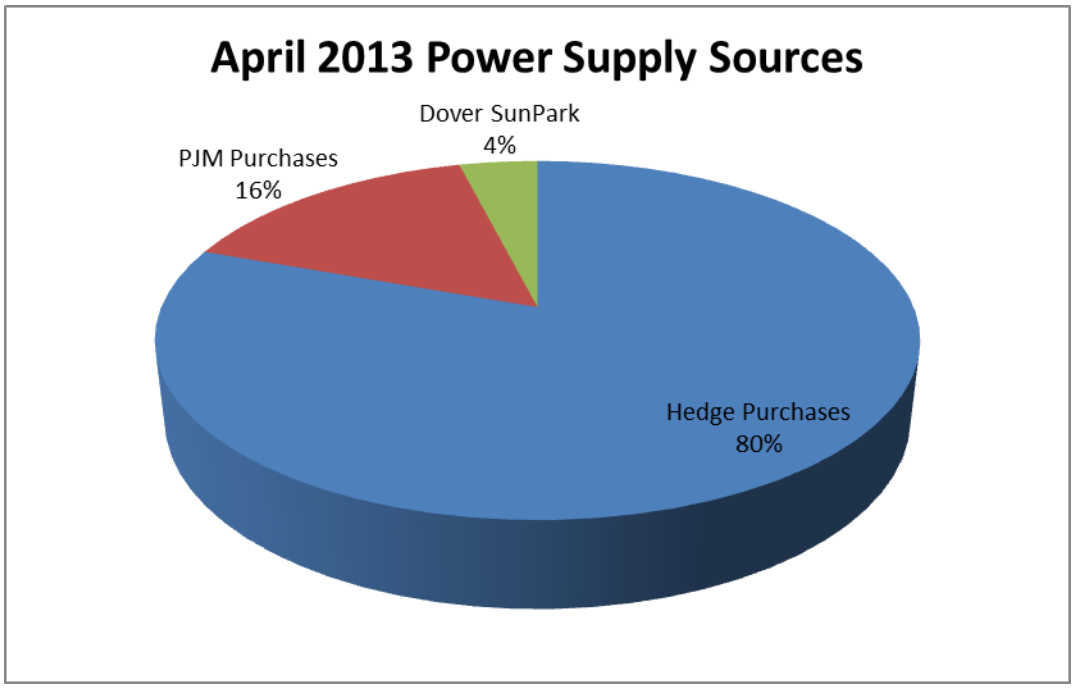
Dover's hedge purchases totaled 43,040 MWh, which was 81% of the projected load and 80% of the actual load.

Dover's power purchases from hedge transactions totaled $2,748,192. Purchases from PJM (energy and fees) totaled $1,033,320 with DA Energy purchases totaling $664,276 and Balancing Spot Market Energy totaling a credit of $176,021.

Dover's total load was 53,468 MWh versus a forecasted load of 53,365 MWh.

Dover's planned energy purchase from the SunPark solar installation was 1732 MWh. Dover's actual energy purchase from the SunPark installation was 2112 MWh.

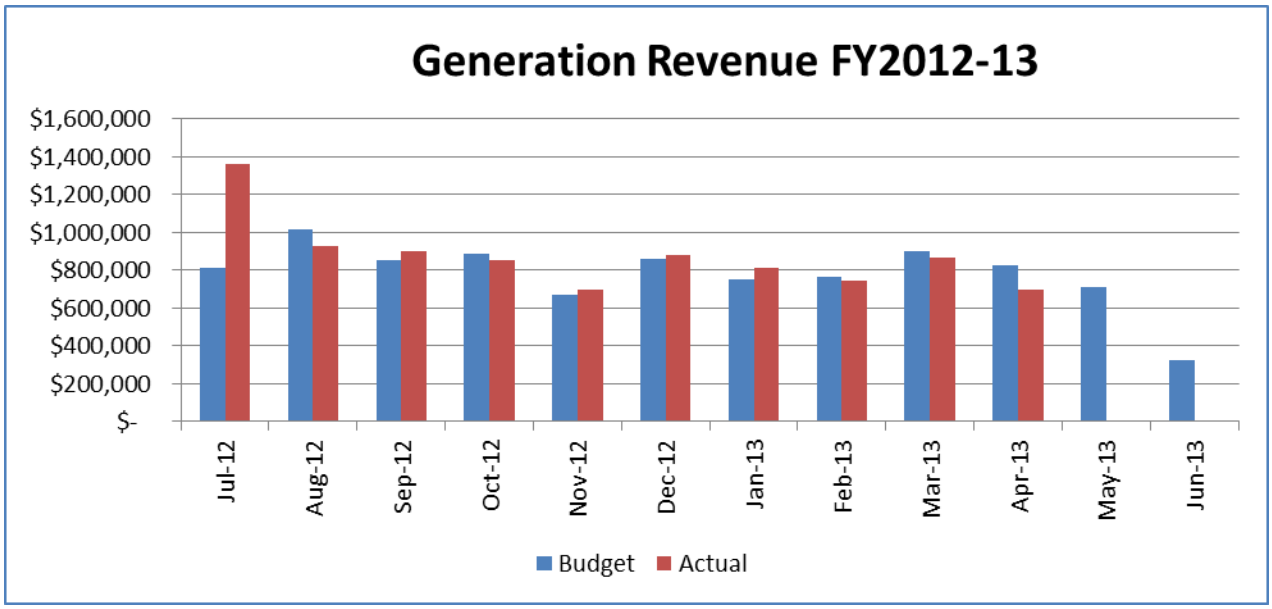
Supply Source Summary:



Supply Variance:

	Budget	Actual	Variance
Gross Load	53,365	53,468	(103)
Wholesale Load	51,633	51,356	277
Hedged Volume (MWh)	43,040	43,040	-
Unhedged Volume (MWh)	8,593	8,316	277
Dover SunPark Volume (MWh)	1,732	2,112	(380)
Renewable Energy Credits Volume	260	213	47
Hedged Cost ($/MWh)	$ 64	$ 64	$ 0
Unhedged Energy Cost ($/MWh)	$ 110	$ 63	$ 47
Solar Energy Cost ($/MWh)	$ 83	$ 86	$ (3)
Energy Costs ($/MWh)	**$72.35**	**$64.85**	**$7.50**
All-in Costs - Energy, Capacity and RECs ($/MWh)	**$98.45**	**$93.08**	**$5.37**

B. Generation Summary:



Dover generated 64.80 MWh in the month. Net generation revenue was $696,589 vs. a budget of $823,117. This delta was mainly due to higher than budgeted O&M costs.

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Generation Breakdown:

City of Dover's Wholesale Generation		
Net Generation Mwh		**64.80**
All In Generation Margin		
PJM Bill Energy	$	2,333.91
PJM Capacity	$	1,167,075.00
Black Start, Reactive Credit, DASR & EFORp	$	36,373.16
Gas Purchases	$	(8,170.00)
Oil Purchases	$	-
Transport / Cash Out	$	(781.04)
Gross Margin	**$**	**1,196,831.03**
Production Margin		
Generation Production Revenues (PJM)	$	2,333.91
Gas Purchases	$	(8,170.00)
Oil Purchases	$	-
Transport / Cash Out	$	(781.04)
Gross Production Margin	**$**	**(6,617.13)**

C. Emissions Summary:

Emissions Allowance Summary through April 30, 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)
3/31/2013	**2013 Emissions**	**0**	**0**	**1**
REMAINING ALLOWANCES		**11,053**	**112[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). On January 24, 2013, the full DCA

[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.

refused to rehear a decision of the three-judge panel. On March 29, 2013 EPA, filed a petition with the U.S. Supreme Court asking it to hear the agency's appeal of the DCA decision to vacate CSAPR. As of the date of this report, the Supreme Court has not accepted or rejected EPA's petition.

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 (5/20/2013)			
Commodity	**$/Ton (Bid/Offer Avg.)**	**Tons**	**Extended Value**
SO_2 Allowances (2009)	$ 1.38	3,050	$4,209
SO_2 Allowances (2010-13)	$ 0.73	8,003	5,842
NO_x Allowances - Seasonal	$16.50	112[3]	1,848
NO_x Allowances - Annual	$40.00	189	7,560
TOTAL			**$19,459**

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 (3/31/2013)							
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	(124)	15,422	119,927

The table shows that the "**Allocated CO_2 Allowances"** (column 5) are declining. After 2013, Dover will no longer receive allocations of RGGI allowances. Actual CO_2 emissions (column 6) have varied from 5,796 tons in 2009 to 32,971 tons in 2010. 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 March 15, 2013 and the auction cleared at $2.80/ton. The next RGGI auction will be held on June 5, 2013. Dover has not registered to participate in this upcoming auction.

RGGI futures settlement prices posted on Intercontinental Exchange (ICE) on May 20, 2013 ranged from $3.32 to $3.40/ton, averaging $3.37/ton. **Based on the average ICE**

futures prices, the value of Dover's existing RGGI allowance bank (119,927 tons) is approximately $404,154.

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. The output has been recorded on PJM's Generation Attribute Tracking System (GATS), resulting in a balance of 49 Solar Renewable Energy Certificates (SRECS) for all generation through March 2013.

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 March 2013, Dover has accumulated a total of 4,408 SRECS from this contract.

Given the current SREC market structure, combined with the impact of the Sun Park and other facilities coming on-line in 2011, Dover's ability to remarket excess SRECs presents unique challenges. Market price for Delaware SRECs from the March 2013 auction ranged from a high of $86.60/MWh for Tier N2 to a low of $34.59 for Tier E1. This results in a ***theoretical*** **market value of $155,995** by using a Delaware auction price of $35/MWh for Dover's 4,457 SRECs.

It should be noted, however, that the nearest viable market for Dover's SRECs is Pennsylvania. Pennsylvania's March 2013 SREC auction cleared at $13/MWh. Using this price, Dover's **SRECs would have a market value of $57,941**.

SREC-Delaware (www.srecdelaware.com) is also conducting a spot SREC auction for existing SRECs between May 15th and May 22. Results from this spot auction were not available at the time of this report.

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 April, there were no reportable or lost time accidents or injuries. The facility has now gone 929 days without an OSHA recordable accident and 929 consecutive days without a lost time reportable accident. There were zero Environmental Notices of Violations issued. There were no Near Miss incidents. In the month of April, no units were dispatched by PJM nor were they self dispatched. All Units were in a planned outage starting March 4. New Title V Air Permits for McKee Run and VanSant were received and are now in effect for the next five years. Work continues on the installation of the industrial waste water discharge system with the mechanical work essentially complete.

Monthly Budget Variance - The actual expenses attributable to O&M of the two sites for the month of April were $500,242. The actual expenses are $120,704 or 31.80% over the approved budget of $379,538. The principal reason for the unfavorable variance was due to timing of expenses for labor (3 payrolls billed versus 2 payrolls budgeted), and electrical usage.

E. Risk Management Summary:

Forward power prices in PJM are similar to last month. The blended cost has decreased slightly in 2013–14 and increased slightly in 2015-16.

The current projected cost of service is below:

Power Year	Hedge Ratio	Blended Cost ($/MWh)
2012-13	81%	$61.53
2013-14	60%	$52.36
2014-15	38%	$47.92
2015-16	14%	$46.81

II. Budget Report

Variance Report:

	Budget Apr-13	Actual Apr-13	Variance
Gross Load	**53,365**	**53,468**	**(103)**
Power Supply			
Hedged Energy	$2,757,242	$2,748,192	$9,050
PJM- Energy	$948,265	$526,299	$421,966
PJM - Transmission and Fees	$313,000	$507,021	($194,021)
Dover SUN Park Energy	$155,317	$192,841	($37,524)
Management Fees	$83,000	$83,000	$0
Capacity UCAP Obligated Purchased	$996,729	$919,391	$77,339
Subtotal - Power Supply	**$5,253,553**	**$4,976,744**	**$276,810**
Power Generation O&M & Fixed Fuel			
Plant O&M	$379,538	$500,242	($120,704)
Subtotal Generation O&M	**$379,538**	**$500,242**	**($120,704)**
Power Generation Production Margin			
Economic and reliability dispatch	$0	($2,334)	$2,334
Fixed Fuel and Transport Charges	$0	$8,951	($8,951)
Subtotal Generation Production Margin	**$0**	**$6,617**	**($6,617)**
Power Generation Non-Production Revenue			
Generation Capacity Credit	($1,167,075)	($1,167,075)	$0
Emissions Allowance Sales	$0	$0	$0
Black Start & Reactive Power Revenue	($35,580)	($36,373)	$793
Subtotal - Non-Production Revenue	**($1,202,655)**	**($1,203,448)**	**$793**
SubTotal - All Generation	**($823,117)**	**($696,589)**	**($126,528)**
Total - Utilities Cost	**$4,430,436**	**$4,280,155**	**$150,282**
Unit Costs			
Total - Power Supply	$98.45	$93.08	$5.37
Total - Power Generation	($15.42)	($13.03)	($2.40)
Final Cost of Service to City of Dover Ratepayers	$83.02	$80.05	$2.97

Variance Analysis:

Power Supply

- Dover consumed 103 MWh more 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 slightly below forecast.
- The result of lower overall costs for more power was a net power supply cost of $93.08/MWh, $5.37/MWh lower than budget.
- For the month, the city realized a favorable variance of $276,810 for power supply vs. the monthly budget.
- Dover Sun Park generated 380 MWh more than forecast.

Generation

- Power generation had an unfavorable budget variance of $126,528.
- Plant O&M expenses had an unfavorable budget variance of $120,704 for the month.

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YTD Variance Report:

	Budget YTD	Actual YTD	Variance
Gross Load	**621,446**	**625,998**	**(4,552)**
Power Supply			
Hedged Energy	$32,693,207	$31,786,286	$906,921
PJM- Energy	$11,414,417	$6,678,047	$4,736,370
PJM - Transmission and Fees	$3,130,000	$4,269,638	($1,139,638)
Dover SUN Park Energy	$1,148,689	$1,235,320	($86,631)
Management Fees	$830,000	$830,000	$0
Capacity UCAP Obligated Purchased	$10,100,192	$9,318,584	$781,608
Subtotal - Power Supply	**$59,316,505**	**$54,117,875**	**$5,198,630**
Power Generation O&M & Fixed Fuel			
Plant O&M	$4,387,976	$4,409,812	($21,836)
Subtotal Generation O&M	**$4,387,976**	**$4,409,812**	**($21,836)**
Power Generation Production Margin			
Economic and reliability dispatch	($1,124,312)	($1,869,126)	$744,814
Fixed Fuel and Transport Charges	$586,004	$958,252	($372,248)
Subtotal Generation Production Margin	**($538,308)**	**($910,873)**	**$372,565**
Power Generation Non-Production Revenue			
Generation Capacity Credit	($11,826,363)	($11,826,360)	($4)
Emissions Allowance Sales	$0	$0	$0
Black Start & Reactive Power Revenue	($355,800)	($419,632)	$63,832
Subtotal - Non-Production Revenue	**($12,182,163)**	**($12,245,991)**	**$63,828**
SubTotal - All Generation	**($8,332,495)**	**($8,747,052)**	**$414,557**
Total - Utilities Cost	**$50,984,010**	**$45,370,822**	**$5,613,187**
Unit Costs			
Total - Power Supply	$95.45	$86.45	$9.00
Total - Power Generation	($13.41)	($13.97)	$0.56
Final Cost of Service to City of Dover Ratepayers	$82.04	$72.48	$9.56

III. Operations Management

NAES Corporation
Dover, Delaware

April 2013
Monthly Report



New Valve Stations - Part of the Industrial Waste Water Project

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7.0 Summary of NAES Performance

1.0 Environmental, Health and Safety:

During the month of April, there were no restricted work days or lost time accidents. The facility has now gone two years, six months and sixteen days (929 days) through April 30, 2013 without an OSHA Recordable Accident or a Lost Time Reportable Accident.

The plant received no Notice of Violations (NOVs) during the month. The April (March Discharge) DMR was submitted for the McKee Run site with no NPDES exceedences. The new Title V Air Permits for the McKee Run and VanSant facilities were issued by DNREC and are now in effect for the next five year permit cycle.

Mechanical work is essentially complete on the Industrial Wastewater Project with Electrical and Control System work remaining, followed by a system shake-down. Project completion is anticipated for June 2013.

Environmental, Health, and Safety Statistics		
	Month (April)	Fiscal Year to Date (7/1/12-4/30/13)
NOVs	0	0
Opacity Deviations	0	0
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	4,371.25	46,403
Date last OSHA Recordable		10/14/10
Date last Lost Time Accident		10/14/10
Days since last OSHA recordable		929
Days since last Lost Time Accident		929

Emissions (NO_x & SO_2) All data thru 4/30/13

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	0.0	0.0	0.0
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	0.1	0.0	0.0
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

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	71/46	5/3	1/0 – 0/0	0/0 - 0/0	70/46	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**

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.**					

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	124	15,422
Note: All CO2 allowance values are provided by the RGGI CO2 Allowance Tracking System.					

2.0 Financial

Financial – Current Month

Month – April			
	Actual	Budget	Variance
Personnel	353,989	243,603	(110,386)
Materials & Supplies	4,666	18,040	13,374
Administrative Expenses	141,587	117,895	(23,692)
Total	**$500,242**	**$379,538**	**($120,704)**

Financial – Fiscal Year to Date

Number of Months – 10			
	Actual	Budget	Variance
Personnel	2,613,237	2,572,897	(40,340)
Materials & Supplies	171,494	188,970	17,476
Administrative Expenses	1,625,080	1,626,109	1,029
Total	**$4,409,811**	**$4,387,976**	**($21,835)**

2.1 Variance analysis:

The City of Dover Finance Department has closed the books for the month of April 2013. The expenses for April are $500,242 against a budgeted amount of $379,538 for an unfavorable variance of $120,704 or ≈ 31.80%. The variance was due to the following:

PERSONNEL EXPENSES – An unfavorable monthly variance of $110,386 was due to having three (3) payroll periods billed versus the two (2) that had been originally budgeted for April. Included in these costs are straight time labor, overtime labor, and labor burdens.

MATERIALS AND SUPPLIES EXPENSES- A favorable monthly variance of $13,374 was due primarily to lower water costs and to the timing of the invoice for the computer server that has been ordered but not yet received.

ADMINISTRATIVE EXPENSES – An unfavorable monthly variance of $23,692 was due primarily to two (2) monthly electric usage invoices being booked in month of April instead of one as had been originally budgeted.

The budget is currently forecasted to finish this fiscal year at $5,838,166 expensed versus an approved budget of $5,914,900 thereby realizing a 98.70% expenditure rate.

3.0 Operations

Unit Operations / Outages / Trips

For the entire month of April, all units were in the spring outage. On April 29, plant staff tested Unit 3 boiler and turbine as a follow up on repairs/inspections performed on the equipment earlier in the outage. The unit was on line for approximately four and half hours during which the boiler and natural gas system along with the turbine generator were checked out. A problem was found with the B-1 natural gas valve which caused the boiler to trip a couple of times. A shorted wire was found to be the cause of the problem. The wire was repaired and the unit operated with no further incidences.

Month April 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	4.533	4.533	0.0	4.533
Starts	#	0	0	1	1	0	1
Gross Generation	MWh	0.0	0.0	82.760	82.760	0.0	82.760
Net Generation	MWh	0.0	0.0	68.211	68.211	0.0	68.211
Total Auxiliaries	MWh	23.714	23.714	189.144	236.571	3.643	240.214
Auxiliaries purchased	MWh	23.714	23.714	174.595	222.022	3.643	225.665
Fuel Gas Used	MMBTU	0.0	0.0	1,608.122	1,608.122	0.0	1,608.122
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	1,608.122	1,608.122	0.0	1,608.122
Net Heat Rate	BTU/KWh	0	0	23,576	23,576	0	23,576
Unit Trips	#	0	0	0	0	0	0
Capacity Factor	%	0.0	0.0	0.09	0.09	0.0	0.09
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	720.000	720.000	720.000	2,160.000	720.000	2,880.000
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 - April							
		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	290.130	458.382	22.699	481.081
Starts	#	3	2	27	32	5	37
Gross Generation	MWh	668.79	582.202	18,880.248	20,131.240	714.904	20,846.144
Net Generation	MWh	628.855	541.673	17,385.724	18,556.252	714.287	19,270.539
Total Auxiliaries	MWh	319.058	319.651	3,183.902	3,822.611	35.031	3,917.642
Auxiliaries purchased	MWh	279.123	279.123	1,689.378	2,247.624	34.500	2,282.124
Fuel Gas Used	MMBTU	9,483	8,108	200,774.846	218365.846	8,532.592	226,898
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,	200,774.846	218365.846	8,644	226,898
Net Heat Rate	BTU/KWh	15,021	14,970	11.967	13,986	12,604	13,629
Unit Trips	#	0	0	1	1	0	1
Capacity Factor	%	0.49	0.44	2.35	1.87	0.25	1.51
Availability Factor	%	60.90	60.90	60.90	60.90	60.90	60.90
Commercial Unavailability (CU)	%	0	0	0	0	0	0
Planned Outage Hours	Hours	2,897	2,897	2,897	8,691	2,897	11,588
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)	448,556	450,319	0	1,763	454,725	0	(4,406)
VanSant (#2 Fuel Oil)	143,857	144,827	0	970	152,150	0	(7,323)

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

VanSant Lifetime through 4/30/13			
	Actual Starts	Factored Starts	Fired Hours
VanSant	1307	2,236.25	4,218.86
Since HGP - Dec 2004	231	568.55	835.28

Team Report:

The Operations staff has been removing insulation from the outside fuel line from the tank to the plant. They have been painting the lines as they remove the insulation.

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 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.

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 April, the Plant Maintenance staff continued addressing the backlog of work orders and completing outage activities. There were fifty-four work orders issued with ninety-one 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

April - 2013

Priority #	Outstanding From Previous Month	Issued This Month	Completed This Month	Outstanding at the end of the month
1	21	3	14	10
2	41	11	16	36
3	46	3	9	40
4	6	0	0	6
5	17	0	0	17
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	93	37	52	78
Totals	224	54	91	187

Note: PMs are included in the priority totals

Notable activities during the month include:

- NAES Mechanical Maintenance Staff completed the flush on the Unit 3 Generator Bearings (#4 and #5 bearings) and oil system. There was no major debris found in the lube oil system

- NAES IC&E staff completed the change out of the main gas stop valve on Unit 3. They made all necessary wiring changes and one relay was added for the Gas Fuel Trip Relay. This relay will be removed once logic changes have been made to the system. The valve was tested for proper operation and flow prior to and during the unit checkout.

- Plant staff continued to support the work being performed on the Industrial Waste Water Project. All of the piping was tested at 40 psi with no leaks on the system. In addition, pumps have been tested for proper operation and heat trace wiring will be completed 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 70%. Insulation is scheduled for May/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: The FY13 Spring Outage contract work bids have been evaluated and contracts have been awarded. 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 blading) have been ordered.
EG1304	Units 1 & 2 Components Repairs	Progress: FY2013 work scope in development stage. Schedule: Work on hold for present time. Replacement of K heater level controllers deferred to 2016
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 2016.
EG1310	Units 1&2 Stack Repairs	Progress: The FY2013 work scope package being developed. 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 50%. 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

- The XL Insurance Representative Neal Grabow submitted his final report/assessment of the plant to the City of Dover. He removed the requirement to install blast windows on the control room wall and added a requirement that the plant test plant transformers for corrosive sulfur in their oil.

- 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.

- 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:

- Jason Anker was successful in renewing his PJM Generation System Operator certificate for another three years.

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

- On April 5, Brian Hoyt, Lance Berryhill, and Eric Carrow attended DOT/RCRA Hazardous Waste training sponsored by NEXEO Solutions. This training encompasses identification, characterization, storage, and handling of facility wastes in compliance with EPA and DOT regulations.

- 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.

- Topics discussed during the monthly safety committee meeting were reviewed by the entire staff.

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	Plant Performance FY 2012-2013 Month		Year to Date		YTD Incentive	FY Maximum Incentive
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		$ (1,081.20)	$ (1,081.20)
Balancing Operating Reserve		$ 32,511.83	$ 32,511.83
Balancing Spot Market Energy	$ 19,724.90	$ (195,746.19)	$ (176,021.29)
Balancing Transmission Congestion	$ 69.11	$ (4,289.69)	$ (4,220.58)
Balancing Transmission Losses	$ 355.13	$ 1,200.60	$ 1,555.73
Black Start Service	$ (6,905.58)	$ 1,915.48	$ (4,990.10)
Capacity Resource Deficiency		$ (494.40)	$ (494.40)
Capacity Transfer Rights		$ (32,243.40)	$ (32,243.40)
Day-ahead Operating Reserve		$ 4,604.98	$ 4,604.98
Day-ahead Scheduling Reserve		$ 8.20	$ 8.20
Day-ahead Spot Market Energy	$ (21,769.65)	$ 686,046.04	$ 664,276.39
Day-ahead Transmission Congestion	$ (286.95)	$ (43,007.55)	$ (43,294.50)
Day-ahead Transmission Losses	$ (426.45)	$ 44,978.53	$ 44,552.08
Expansion Cost Recovery		$ 427.50	$ 427.50
FERC Annual Recovery		$ 3,115.16	$ 3,115.16
Generation Deactivation Refund		$ (758.35)	$ (758.35)
Inadvertent Interchange		$ (538.44)	$ (538.44)
Load Management Test Failure		-193.500000	-193.500000
Load Reconciliation for Balancing Operating Reserve		$ (16.19)	$ (16.19)
Load Reconciliation for FERC Annual Recovery		$ (19.63)	$ (19.63)
Load Reconciliation for Inadvertent Interchange		$ (0.22)	$ (0.22)
Load Reconciliation for Market Monitoring Unit (MMU) Funding		$ (1.27)	$ (1.27)
Load Reconciliation for North American Electric Reliability Corporation (NERC)		$ (3.30)	$ (3.30)
Load Reconciliation for PJM Scheduling, System Control and Dispatch Service		$ (68.12)	$ (68.12)
Load Reconciliation for Reactive Services		$ (317.16)	$ (317.16)
Load Reconciliation for Regulation and Frequency Response Service		$ (72.83)	$ (72.83)
Load Reconciliation for Reliability First Corporation (RFC)		$ (4.72)	$ (4.72)
Load Reconciliation for Schedule 9-6 - Advanced Second Control Center		$ (8.80)	$ (8.80)
Load Reconciliation for Spot Market Energy		$ (10,740.66)	$ (10,740.66)
Load Reconciliation for Synchronized Reserve		$ (11.55)	$ (11.55)
Load Reconciliation for Transmission Congestion		$ 414.27	$ 414.27
Load Reconciliation for Transmission Losses		$ (593.66)	$ (593.66)
Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service		$ (24.51)	$ (24.51)
Locational Reliability		$ 953,123.40	$ 953,123.40
Market Monitoring Unit (MMU) Funding		$ 204.31	$ 204.31
Meter Error Correction		$ (2,940.64)	$ (2,940.64)
Network Integration Transmission Service		$ 283,352.70	$ 283,352.70
Non-Firm Point-to-Point Transmission Service		$ (293.25)	$ (293.25)
North American Electric Reliability Corporation (NERC)		$ 523.55	$ 523.55
Organization of PJM States, Inc. (OPSI) Funding		$ 36.13	$ 36.13
PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center		$ 1,576.60	$ 1,576.60
PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		$ 918.30	$ 918.30
PJM Scheduling, System Control and Dispatch Service - Control Area Administration		$ 8,858.60	$ 8,858.60
PJM Scheduling, System Control and Dispatch Service - Market Support		$ 2,008.98	$ 2,008.98
PJM Scheduling, System Control and Dispatch Service - Market Support Offset		$ (277.83)	$ (277.83)
PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		$ 80.11	$ 80.11
PJM Scheduling, System Control and Dispatch Service Refund - Capacity Resource/Obligation Mgmt.		$ (23.40)	$ (23.40)
PJM Scheduling, System Control and Dispatch Service Refund - Control Area Administration		$ (251.31)	$ (251.31)
PJM Scheduling, System Control and Dispatch Service Refund - Market Support		$ (58.57)	$ (58.57)
PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration		$ (2.82)	$ (2.82)
PJM Settlement, Inc.		$ 277.83	$ 277.83
Reactive Services		$ 161,605.25	$ 161,605.25
Reactive Supply and Voltage Control from Generation and Other Sources Service	$ (29,467.58)	$ 33,216.52	$ 3,748.94
Regulation and Frequency Response Service		$ 11,208.91	$ 11,208.91
Reliability First Corporation (RFC)		$ 748.71	$ 748.71
RPM Auction	$ (1,167,075.00)		$ (1,167,075.00)
Synchronized Reserve		$ 5,250.35	$ 5,250.35
Transmission Enhancement		$ 23,052.94	$ 23,052.94
Transmission Losses		$ (17,974.56)	$ (17,974.56)
Transmission Owner Scheduling, System Control and Dispatch Service		$ 3,890.02	$ 3,890.02
Balancing Operating Reserve for Load Response		$ (168.70)	$ (168.70)
Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding		$ (0.23)	$ (0.23)
Load Reconciliation for Day-ahead Scheduling Reserve		$ (0.07)	$ (0.07)
Demand Resource and ILR Compliance Penalty		-92.700000	-92.700000
Day-Ahead Load Response Charge Allocation		$ 271.92	$ 271.92
Real-Time Load Response Charge Allocation		$ 47.05	$ 47.05
Incremental Capacity Transfer Rights		$ (995.10)	$ (995.10)
Michigan - Ontario Interface Phase Angle Regulators		$ 182.03	$ 182.03
Non-Synchronized Reserve		$ 378.45	$ 378.45
CT Lost Opportunity Cost Allocation		$ (9.90)	$ (9.90)
Load Reconciliation for Non-Synchronized Reserve		-0.290000	-0.290000
Grand Total	**$ (1,205,782.07)**	**$ 1,952,710.54**	**$ 746,928.47**