UTILITY COMMITTEE
AGENDA

SEPTEMBER 14, 2015 - 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. **ANNEXATION REQUEST - EASTERLY SIDE OF NIXON LANE AND 121 ACORN LANE, OWNED BY PAUL C. PHILLIPS AND THERESA HOSHUE**
   (TAX PARCELS: ED-00-068.19-01-25.00-000 (LOT 1) AND ED-00-068.19-01-25.01-000 (LOT 2); COUNCIL DISTRICT: 3; PLANNING REFERENCE: AX-15-01)
   (STAFF RECOMMENDS THAT THE CITY PROCEED WITH ANNEXATION OF THE SUBJECT PROPERTIES)

2. **EVALUATION OF PROPOSALS - NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION (NERC)/ RELIABILITY FIRST CORPORATION (RFC) SUPPORT AND INTERNAL AUDIT REVIEW (RFP 15-0032EL)**
   (STAFF RECOMMENDS AWARDING THE CONTRACT TO NAES CORPORATION IN THE AMOUNT NOT TO EXCEED $116,285)

3. **OVERVIEW OF HEDGE PROGRAM**
   (COMMITTEE ACTION NOT REQUIRED)

4. **TEA/NAES REPORT *(JULY)***
   (STAFF RECOMMENDS ACCEPTANCE OF THE REPORT)

5. **UPDATES**
   (COMMITTEE ACTION NOT REQUIRED ON THE BELOW ITEMS)
   - **A. GREEN ENERGY FUNDING AND PROGRAMMING**
   - **B. GARRISON OAK TECHNICAL PARK PROJECT UPDATES**
     - **A-1. CITY INFRASTRUCTURE**
     - **A-2. CALPINE ENERGY CENTER**
     - **A-3. DOVER SUN PARK**

6. **ADJOURNMENT BY 5:50 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.

PETITION TO ANNEX AND REZONE PROPERTY
First Reading before the Dover City Council Utility Committee
September 14, 2015

Applicants/Owners:	Paul Phillips Theresa Hoshue
Property Address:	Nixon Lane (no address assigned) – Lot 1 121 Acorn Lane – Lot 2
Tax Parcel ID #:	ED-00-068.19-01-25.00-000 ED-00-068.19-01-25.01-000
Size:	Lot 1 - 0.5171 +/- acres Lot 2 - 0.4609 +/- acres
Present Use:	Residential
Proposed Use:	Residential

Comprehensive Plan Designation: Category 1 – High Priority Annexation Areas

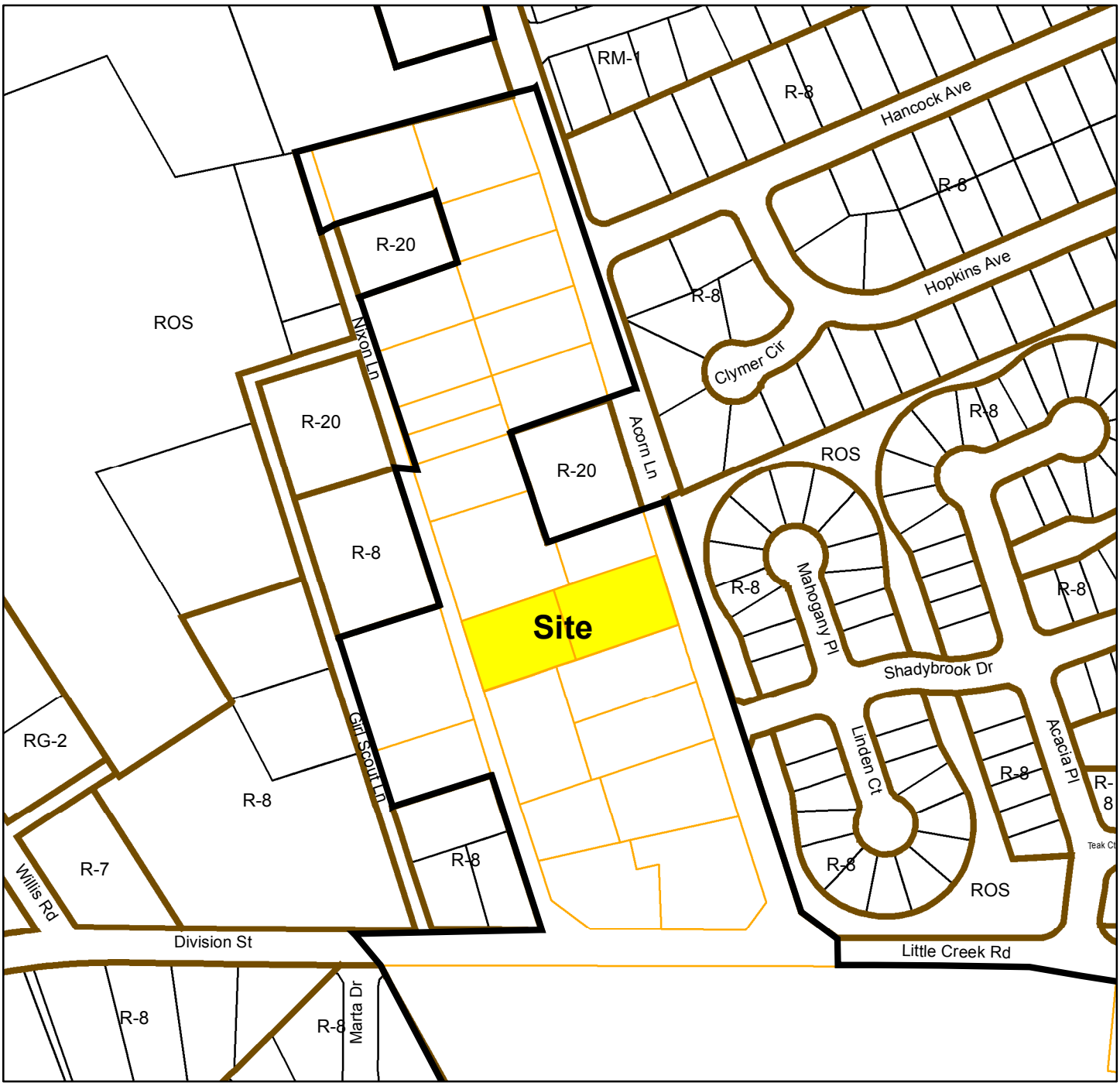
Comprehensive Plan Land Use Designation: Residential Low Density

Present Zoning:	RS1 (Single Family Residential)
Proposed Zoning:	R-8 (One Family Residence)
Utility Availability:	The property is currently served by City of Dover Electric. 121 Acorn Lane is currently served by City water and sewer. There are sanitary sewer and water service available in Nixon Lane. The property owner would be responsible for the costs associated with tapping the sanitary sewer and water mains, extending services to the property, payment of impact fees, and obtaining permits associated with such improvements.
Staff Recommendation:	Staff recommends that the City proceed with annexation of the subject property.
File Number:	AX-15-01

City of Dover

Department of Planning & Inspections

Application No.: AX-15-01



Title: Lands of Paul C. Phillips and Theresa HoShue
Application #: AX-15-01
Address: 121 Acorn Lane, (unaddressed) Nixon Lane
Parcel ID: ED-00-068.19-01-25.01-000, ED-00-068.19-01-25.00-000
Zoning: R-8 (One Family Residence Zone) *proposed*
Owner: Paul C. Phillips and Theresa HoShue
Date: 8/14/2015

Legend

- Dover Boundary
- Zoning
- Dover Parcels
- Kent County Parcels
- Subject Property

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ACTION FORM

PROCEEDING: Utility Committee
DEPARTMENT OF ORIGIN: Electric **DATE SUBMITTED**: 8/24/2015
PREPARED BY: Harry A. Maloney, III, Electric Director / Paul Waddell, Engineering Superintendent/ Bhadresh Patel, Electric Engineer
SUBJECT: Evaluation of Proposals for North American Electric Reliability Corporation (NERC)/ Reliability First (RFC) Support & Internal Audit Review
REFERENCE: N/A
RELATED PROJECT: N/A
REVIEWED BY: City Manager & Controller/Treasurer
EXHIBITS: Exhibit A – RFP Tabulation, Exhibit B – Proposal Chart
EXPENDITURE REQUIRED: $116,285 **AMOUNT BUDGETED**: $175,000 **FUNDING SOURCE (Dept./Page in CIP & Budget)**: Electric Administration FY16 - Page 273
TIMETABLE: Work will commence upon final approval from City Council
RECOMMENDED ACTION: Staff recommends awarding contract to NAES Corp in the amount not to exceed $116,285.

BACKGROUND AND ANALYSIS

The Electric Utility is scheduled for a North American Electric Reliability Corporation (NERC) internal audit by its contractor Reliability First Corporation (RFC) in April 2016. Given the high turnover rate in the Electric Department supervision over the last three (3) years, staff is recommending that the Utility Committee and City Council approve the request for audit/consultation services for the regulated aspects of the electric operations. While we provide monthly, quarterly and yearly audit material/evidence to RFC to prove our compliance, the annual items they request material for are only a snapshot of the total standard list applicable to the City of Dover's (COD) current registration as a Distribution Provider (DP) and Load Serving Entity (LSE). In order to ensure 100% compliance with all regulatory standards, this audit consultation will provide us with standardized, clear and concise documentation to prove why we do what we do, offer a path forward to implement a viable self-improvement and assessment program, and also avoid any possible findings that may result in fines for non-compliance.

The Electric Department issued a Request for Proposal (RFP) 15-0032EL, *NERC/RFC Support and Internal Audit Review* to solicit external auditing agencies for their services in the preparation of the NERC/RFC compliance audit slated for calendar year 2016. Proposals were received from eleven (11) prospective vendors with quotes ranging from $28,100 on the low end to a high dollar quote of $614,000. The Electric Director, Engineering & Systems Operations Superintendent Electrical Engineer for Substations reviewed all the proposals and ranked them in preference order based on completeness of proposal, company experience, estimated hours, cost per hour, travel cost additions, and total costs. The list of eleven (11) vendors was narrowed down to three (3) finalists. Teleconferences and in-person meetings were conducted to ask a base set of questions to help decide the most qualified vendor for the City of Dover. After careful deliberation, staff recommends the approval of the proposal from NAES Corporation for the amount **not to exceed $116,285.** This company offered the best mix of experience in both the operational and compliance arenas of the electric utility with 160+ audits. Their proposal also met all of the criteria in the RFP and they have full-time personnel located in New Castle, Delaware.

City of Dover
RFP Tabulation

Exhibit A

RFP Number: 15-0032EL RFP Opening: May 22, 2015, 2:00 pm

RFP Title: NERC/RFC SUPPORT AND INTERNAL AUDIT REVIEW

Vendor Name	Not to Exceed Price	Comments
Anita Swanson Proven Compliance Solutions Inc. 200 S. Executive Drive Suite 101 Brookfield, WI 53005	$ 147,070.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1: Yes
Nicole McFarlane Corporate Risk Solutions, Inc. 11900 W. 87th Street Suite 120 Lenexa, KS 66215 913-322-5406 nmcfarlane@corprisk.net	$ 138,468.00 Not stated "not to exceed"	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1:
The Anfield Group 401 Congress Avenue, Suite 1540 Austin, TX 78701	$ 69,500.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1:
Mo Gordon Intellibind Technologies LLC 14520 Wunderlich Drive Houston, TX 77069 703-204-6503 mgordon@intellibind.com	No not to exceed cost within the proposal	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1:
Steve Casey Burkard & Associates 6633 Old Henderson-Spottsville Road Spottsville, HY 42458	$ 62,650.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1: Yes

City of Dover
RFP Tabulation

Exhibit A

Vendor Name	Not to Exceed Price	Comments
Kathy Cross System Operations Success 10715 Sikes Place, Suite 114 Charlotte, NC 28277 877-767-4685 Kathy.cross@sosintl.com	$ 197,535.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1:
Brian Evans-Mongeon Utility Services Inc. 1080 Waterbury-Stowe Road, Suite 2 Waterbury, VT 05676 802-241-1400 Brian.evans-mongeon@utilitysvcs.com	$ 126,800.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1: Yes
Jeremy Johnson Altran Solutions 2014 S. Tollgate Road, Suite 112 Bel Air, MD 21015 443-922-9201 ext 15207	$ 186,000.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1: Yes
Seth Brown GDS Associates, Inc. 1850 Parkway Place, Suite 800 Marietta, GA 30067 770-425-8100 Seth.brown@gdsassociates.com	$ 115,500.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1:
NAES Corp 1180 NW Maple Street, Suite 200 Issaquah, WA 98027	$ 116,285.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1: Yes
Stephanie Lakin AESI 5 Main Street East, Suite 1B Milton, Ontario Canada L9T 3Z	$ 614,000.00	One unbound original: Yes Two bound copies: Yes Thumb drive: Yes Addendum #1:

Company	Experience	Activity cost	Travel/Misc costs	Total cost	Est hrs	Cost per hr	Mock Audit included	Addendum
1. NAES	150 audits	$99,785	$16,500	$116,285	544	$183	N	Y
2. Proven Compliance	175 projects	$108,570	$38,500	$147,070	493	$220	N	Y
3. Utility Services	90 audits	$118,800	$8,000	$126,800	528	$225	Y	Y
AESI	100 projects	$572,000	$42,000	$614,000	2,394	$239	N	Y
Anfield Group	60 audits	$69,500	$3,900	$73,400	328	$212	N	N
Corporate Risk	200 audits	$138,468	Not listed	$138,468	Not listed	#VALUE!	N	N
GDS	60 audits	$102,500	$13,000	$115,500	560	$183	N	N
SOS	100 projects	$191,295	$6,240	$197,535	1,013	$189	N	N
9. Intellibind	100+ clients	$27,000	$1,100	$28,100	???	$225	N	N
10. Altran	?	$179,000	$7,000	$186,000	1,133	$158	N	Y
11. Burkard & Assoc	65 audits	$47,050	$15,600	$62,650	287	$164	Y	Y

Monthly Management Committee Update – July 2015

August 27, 2015

Prepared by:

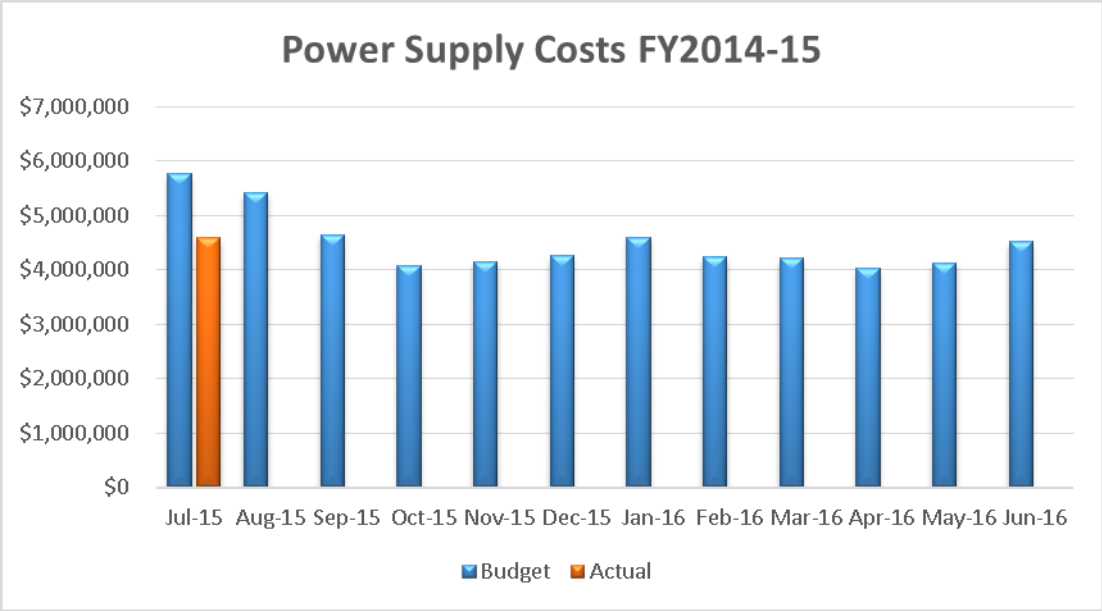
Arline Holloway
Client Services Manager
904.360.1347
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I. Executive Summary

a. Power Supply Summary:



Overall Power Supply costs were $1,172,561 below budget predominantly driven by extremely low Energy, Congestion and Losses.

Dover's budgeted cost for all power supply (capacity AND energy) was $73.38/MWh. The actual cost of all power supply (capacity AND energy) was $59.68/MWh resulting in a positive budget variance of $13.70.

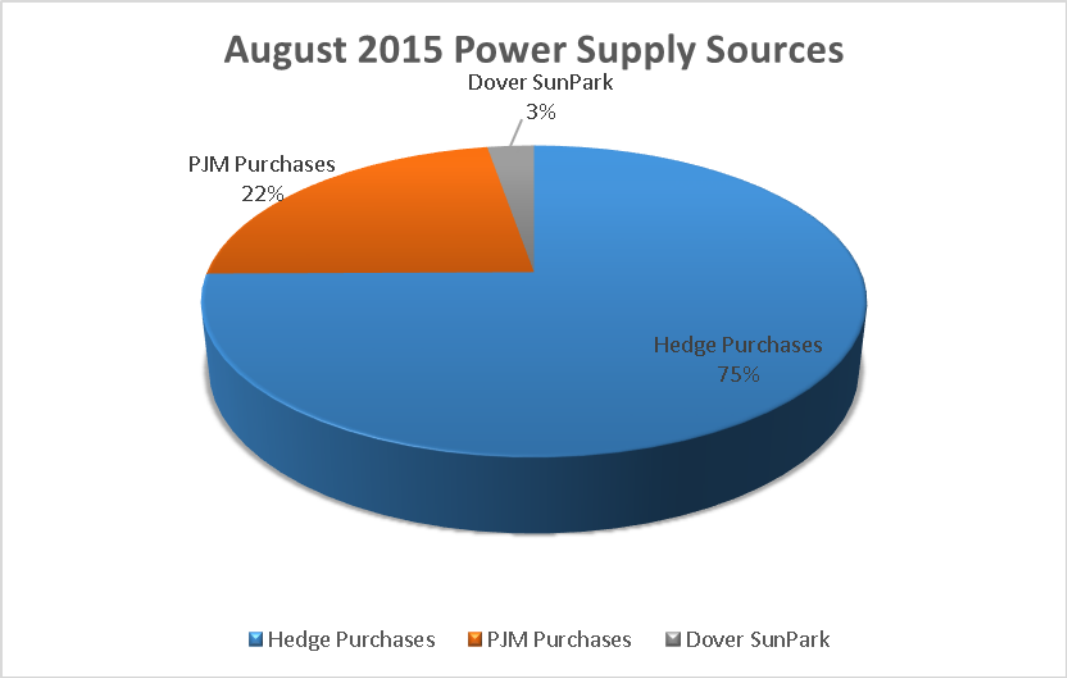
The cost of energy alone was $39.93/MWh, versus a budgeted energy cost of $51.47.

Dover's hedge purchases totaled 57,536 MWh, which was 75% of the actual load. The budgeted hedge purchase totaled 55,736 MWh which was 71% of the budgeted load.

Dover's power purchases from hedge transactions totaled $2,670,864. Purchases from PJM (energy and fees) totaled $1,552,013. This number includes DA spot market energy charges of $838,512.25, increased Local Reliability Charges (LRC) to $904,154.06[1]. DA Transmission Congestion was ($568,635.86) for the load. Dover's total load was 76,867 MWh versus a forecasted load of 78,500 MWh. Dover's planned energy purchase from the SunPark solar installation was 2,035 MWhs. Dover's actual energy purchase from the SunPark installation was 2,084 MWh.

[1] As of June 1st 2015 the Zonal Capacity rate used in the LRC calculation increased from $145.37277 to $166.935259.

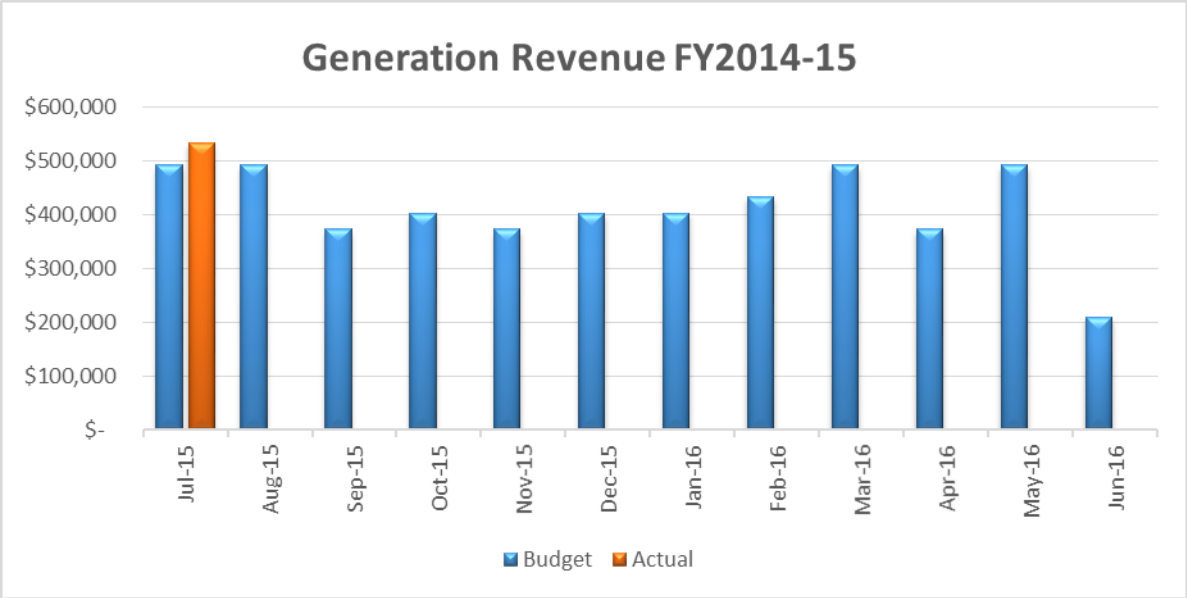
I. Supply Source Summary:



II. Supply Variance:

Purchased Power Variance Report:	July		
	Budget	Actual	Variance
Gross Load	78,500	76,867	1,633
Wholesale Load	76,465	74,783	1,682
Hedged Volume (MWh)	55,736	57,536	(1,800)
Unhedged Volume (MWh)	20,729	17,247	3,482
Dover SunPark Volume (MWh)	2,035	2,084	(49)
Renewable Energy Credits Volume	305	290	15
Hedged Cost ($/MWh)	$ 46.23	$46.42	$ (0.19)
Unhedged Energy Cost ($/MWh)	$ 59.09	$ 9.08	$ 50.01
Solar Energy Cost ($/MWh)	$ 117.35	115.97	$ 1.38
Energy Costs ($/MWh)	**$51.47**	**$39.93**	**$11.54**
All-in Costs - Energy, Capacity and RECs ($/MWh)	**$73.38**	**$59.68**	**$13.70**

b. Generation Summary:



Net generation revenue for the month of July was $533,638 versus a budget of $492,400.

Generation Breakdown:

City of Dover

Monthly Wholesale Generation

July 2015

Net Generation
4135.54

Production Margin

				Formula
PJM - Generation				
	Economic and Reliability Dispatch	$	281,682.47	A
Natural Gas & Oil Consumption				
	Purchases for Generation	$	(148,620.57)	
	Natural Gas Transport	$	(26,183.46)	
	Eastern Shore Cashout	$	23.73	
	Oil Consumption	$	28,067.94	
	Subtotal: Natural Gas & Oil Consumption	$	(146,712.36)	B
Gross Production Margin		$	134,970.11	C = (A + B)
$/MWh Generation Production Gross Margin		$	32.64	E = (C/D)
PJM - Capacity				
	Generation Capacity Credit	$	902,145.57	
	Reactive Supply and Transmission Losses	$	85,793.32	
	Subtotal: PJM - Capacity	$	987,938.89	F
All in Generation Margin				
	All in Generation Margin Total	$	1,122,909.00	(G = C + F)

c. Emissions Summary

Emissions Allowance Summary through July 31, 2015

The reinstated Cross-State Air Pollution Rule (CSAPR) replaced the Clean Air Interstate Rule (CAIR) beginning January 1, 2015. The State of Delaware was included in the CAIR footprint but is not included in the CSAPR footprint. CAIR allowances cannot be used for CSAPR compliance, so Dover's CAIR allowances essentially became valueless when CSAPR was reinstated.

The separate Clean Air Act acid rain deposition control program (CAA Title IV) which governs SO_2 national allowance trading program remains in effect for Dover. Beginning with the January 2015 report, TEA no longer includes a CAIR summary. It will continue to report on Dover's Clean Air Act Title IV SO_2 allowances.

Market liquidity for Title IV SO_2 allowances is very low, with few transactions occurring. The following table shows estimated values for Dover's banked allowances, based on mid-point of bids and offers from Evolution Markets.

Market Value for Clean Air Act Title IV Allowances			
Commodity	**$/Ton[2]**	**Tons**	**Market Value**
SO_2 Allowances – Title IV	$0.51	15,018	$ 8,275
TOTAL			**$ 8,275**

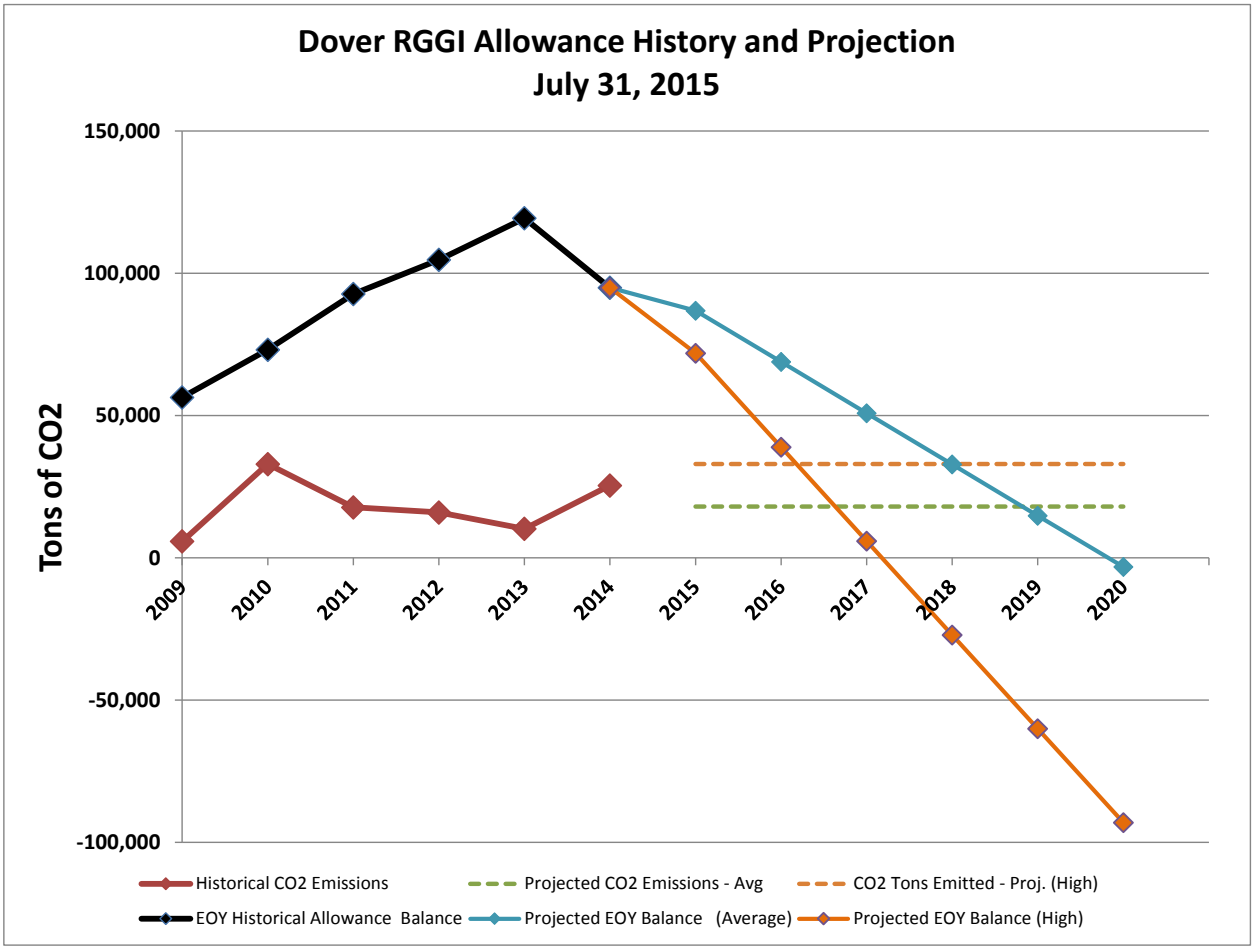
Regional Greenhouse Gas Initiative

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).

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) and second compliance period (2012 – 2014). Any unused allowances are carried over ("banked") for subsequent years. The table below includes Dover's historical activities, and has been enhanced to include projections through 2020. Two projections are presented: (1) future annual emissions based on the average for 2009 – 2014, and (2) future annual emissions based on the highest emissions for 2009 – 2014.

[2] August 24,, 2015 Daily Power Report by SNL Energy

Dover, DE RGGI Allowance History and Forecast - July 3, 2015								
Compliance Year (CY)	CO2 Allowances Purchased	Allocated CO2 Allowances	CO2 Tons Emitted - Historical	EOY Historical Allowance Balance	CO2 Tons Emitted - Proj. (Avg)	CO2 Tons Emitted - Proj. (High)	Projected EOY Balance (Average)	Projected EOY Balance (High)
2009		62,184	5,796	56,388				
2010		49,747	32,971	73,164				
2011		37,311	17,763	92,712				
2012		27,983	15,957	104,738				
2013		24,818	10,213	119,343				
2014	**1,000**	N/A	25,426	94,917			94,917	94,917
2015	**10,000**	N/A	7,340	**97,577**	18,021	33,000	86,896	71,917
2016		N/A			18,021	33,000	68,875	38,917
2017		N/A			18,021	33,000	50,854	5,917
2018		N/A			18,021	33,000	32,833	-27,083
2019		N/A			18,021	33,000	14,812	-60,083
2020		N/A			18,021	33,000	-3,209	-93,083



The table and chart indicate that Dover could run out of banked allowances as early as the end of 2016 under the high emissions scenario and by the end of 2019 under the average scenario. Therefore, Dover has recently initiated a program to participate in RGGI's quarterly auctions to insure it has adequate allowances in the future.

In anticipation of needing additional RGGI allowances in the future, Dover participated in Auction 26 held on December 3, 2014, Auction 27 held on March 11, 2015 and Auction 28 held on June 3, 2015. It was awarded 1,000 allowances from its highest price bid, at the auction clearing price of $5.21/ton in Auction 26, 6,000 allowances in Auction 27 at the auction clearing price of $5.41/ton and 4,000 allowances in Auction 28 at the auction clearing price of $5.50/ton.

The next quarterly RGGI auction will be held on September 9th, 2015.

Based on the August 21, 2015 ICE price for the September 2015 strip ($6.16/ton), the estimated market value of Dover's existing 97,577[3] ton RGGI allowance bank is $601,074[4]

Renewable Energy Certificates

Dover owns two photovoltaic systems totaling 15 kW, consisting of (one 5 kW unit at the Utilities Administration Building and two 5 kW units at the McKee Run generating station. Dover also receives solar energy produced by the 10 MW Dover Sun Park which is owned by White Oak Solar Energy, LLC. In addition to the all of the physical energy produced by the Sun Park, Dover receives 15% of Sun Park's Solar Renewable Energy Credits (SRECS).

Dover participates in the Delaware Municipal Electric Corporation's (DEMEC) Renewable Portfolio Standard (RPS) for compliance with the State of Delaware's RPS laws applicable to municipal utilities. The first compliance period under DEMEC's RPS was for the 36 months ending May 2014.

Through the end of generation month June 2015, Dover had accumulated a total of 7,853 SRECS from these renewable energy resources, net of 2,941 SREC transferred to DEMEC for retirement on October 3, 2014 in accordance with the RPS requirement for the first compliance period.

Delaware periodically holds SRECs auctions, however these auctions are for size tiers N1 – N3, E1 and E2. The Dover Sun Park is in the N4 tier for very large facilities. State-wide carve outs for Tier 4 has been fully subscribed, so there is not a market for tier T4 SRECs in Delaware.

The nearest viable market for Dover's SRECs is Pennsylvania. Daily settlement prices from Flett Exchange Environmental Services and SREC Trade. The most recent settlement prices for Pennsylvania SRECS are used in the table below.

[3] Subject to verification from RGGI COATS account.
[4] i.d.

SREC Vintage (June 1 – May 31)	Market Clearing Price	SREC Balance	Market Value
2012/2013	$12.50	2,173	$27,163
2013/2014	$12.50	2,701	22,762
2014/2015	$15.00	2,687	40,305
2015/2016	$15.00	292	4,380
TOTAL		**7,853**	**$105,610**

Market prices for Pennsylvania SRECs continue to decrease. For example, 2014/15 SRECs were valued at $28.00 in May, compared to $15.00 in this month's report. Market prices for SRECs continue to decline due to increased penetration of solar generation, due in part to rapidly declining installation costs.

TEA continues to recommend to Dover to retain these allowances for compliance with its Renewable Portfolio Standard (RPS). Additionally, Dover will need to acquire additional SRECs in future years.

d. Risk Management Summary:

Forward power prices in PJM have increased from last month.

The current projected cost of service is below:

PY	Hedge Ratio	Blended Cost ($/MWh)	Monthly Change ($/MWh)
2015-16	71%	$ 43.45	$0.54
2016-17	48%	$ 42.13	$0.45
2017-18	39%	$ 41.78	$0.27
2018-19	30%	$ 40.79	$0.00
2019-20	5%	$ 38.33	($0.20)

II. Budget Report

	Budget Jul-15	Actual Jul-15	Variance
Gross Load	**78,500**	**76,867**	**2,347**
Power Supply			
Hedged Energy	$2,576,800	$2,670,864	($94,064)
PJM - Energy, Congestion & Losses	$1,224,900	156,552	$1,068,348
PJM - ARR, Transmission and Fees	$650,000	505,236	$144,764
Dover SUN Park Energy	$238,800	$241,720	($2,920)
Dover SUN Park RECs	$48,300	$40,142	$8,158
RECS (Solar and Non-Solar)	$56,100	$0	$56,100
RGGI Credit Costs	$0	$0	$0
Management Fees	$83,000	$83,000	$0
PJM - Capacity UCAP Obligated Purchased	$882,400	$890,225	($7,825)
Subtotal - Power Supply	**$5,760,300**	**$4,587,739**	**$1,172,561**
Power Generation O&M			
Plant O&M	$ 862,725	$ 561,203	$ 301,522
Subtotal Generation O&M	**$ 862,725**	**561,203.00**	**$160,065**
Power Generation Production Margin			
PJM - Economic and reliability dispatch	($284,700)	(281,682)	$ (3,018)
Fuel Costs - Natural Gas	$194,600	146,712	$ 47,888
Fuel Costs - Oil	$0	28,068	$ (28,068)
Testing Costs	$0	-	$ -
Subtotal Generation Production Margin	**($90,100)**	**($106,902)**	**$ 16,802**
Power Generation Non-Production Revenue			
PJM - Generation Capacity Credit	($908,500)	(902,146)	($6,354)
Emissions Allowance Sales	$0	$ -	$0
Reactive Supply - Gas	($30,000)	$ (85,793)	$55,793
Subtotal - Non-Production Revenue	**($938,500)**	**($987,939)**	**$49,439**
SubTotal - All Generation	**($165,875)**	**($533,638)**	**$367,763**
Total - Utilities Cost	**$5,594,425**	**$4,054,101**	**$1,540,324**
Unit Costs			
Total - Power Supply	$73.38	$59.68	$13.70
Total - Power Generation	($2.11)	($6.94)	$4.83
Final Cost of Service to City of Dover Ratepayers	$71.27	$52.74	$18.53

Variance Analysis:

Power Supply

- Dover consumed 1,633 MWh more than forecasted for the month.
- Dover experienced a favorable variance for budgeted PJM - Energy, Congestion & Losses of $1,068,348.
- This resulted in a net power supply cost of $59.68/MWh, $13.70/MWh below budget.
- The city realized a favorable variance of $1,172,561 for power supply vs. the monthly budget.
- Dover Sun Park generated 49 MWhs more than forecasted.

Generation

- Power generation had a favorable budget variance of $ 49,238 driven primarily by higher Reactive Supply Non-Production Revenue and lower Plant O&M expenses which had a favorable budget variance of $301,522 for the month.

	Budget YTD	Actual YTD	Variance
Gross Load	**741,200**	**76,867**	**664,333**
Power Supply			
Hedged Energy	$23,402,400	$2,670,864	$20,731,536
PJM - Energy, Congestion & Losses	$7,966,100	156,552	$7,809,548
PJM - ARR, Transmission and Fees	$7,932,500	505,236	$7,427,264
Dover SUN Park Energy	$2,313,600	$241,720	$2,071,880
Dover SUN Park RECs	$363,300	$40,142	$323,158
RECS (Solar and Non-Solar)	$673,200	$0	$673,200
RGGI Credit Costs	$175,000	$0	$175,000
Management Fees	$996,000	$83,000	$913,000
PJM - Capacity UCAP Obligated Purchased	$10,224,900	$890,225	$9,334,675
Subtotal - Power Supply	**$54,047,000**	**$4,587,739**	**$49,459,261**
Power Generation O&M			
Plant O&M	$6,478,225	$ 561,203	$5,917,022
Subtotal Generation O&M	**$6,478,225**	**$561,203**	**$5,917,022**
Power Generation Production Margin			
PJM - Economic and reliability dispatch	($1,708,200)	($281,682)	($1,426,518)
Fuel Costs - Natural Gas	$1,167,600	$146,712	$1,020,888
Fuel Costs - Oil	$0	$28,068	($28,068)
Testing Costs	$0	$0	$0
Subtotal Generation Production Margin	**($540,600)**	**($106,902)**	**$ (433,698)**
Power Generation Non-Production Revenue			
PJM - Generation Capacity Credit	($10,472,400)	($902,146)	($9,570,254)
Emissions Allowance Sales	$0	$0	$0
Reactive Supply - Gas	($360,000)	($85,793)	($274,207)
Subtotal - Non-Production Revenue	**($10,832,400)**	**($987,939)**	**($9,844,461)**
SubTotal - All Generation	**($4,894,775)**	**($533,638)**	**($4,361,137)**
Total - Utilities Cost	**$49,152,225**	**$4,054,101**	**$45,098,124**
Unit Costs			
Total - Power Supply	$72.92	$59.68	$13.23
Total - Power Generation	($6.60)	($6.94)	$0.34
Final Cost of Service to City of Dover Ratepayers	$66.31	$52.74	$13.57

III. Operations Management

Executive Summary:

During the month of July, there were no reportable accidents or lost time accidents. The facility has now gone 106 days without an OSHA recordable accident and 200 consecutive days without a lost time accident. There were no Environmental Notices of Violations or exceedances issued and one Near Miss Report was completed. Unit 3 operated 93.2 hours during the month for PJM dispatch, self-dispatch for training and to complete the summer capacity test. Unit 1 was on line for 7.23 hours and completed the summer capacity test, Unit 2 was online for 10.16 hours during the month and completed the summer capacity test, and Unit 11 was self-dispatched twice for 8.58 hours.

Monthly Budget Variance – The actual expenses attributable to O&M of the two sites for the month of July are $561,203 against a budgeted amount of $862,725 for a favorable variance of $301,522 or 34.95%. The variance was due to: Personnel Expenses variance was favorable $120,310 - labor was less due to not having a full staff of operators, Materials and Supplies variance was favorable $34,428 – due to timing of invoices for water bill and monthly chemical tanks as budgeted, and Administrative Expenses was favorable $146,784 due to electric bill and ABB maintenance contract to date. The forecasted expenses for this fiscal year are $6,359,828 expensed versus an approved budget of $6,382,900 thereby realizing a 98.69% expenditure rate.

NAES Corporation
Dover, Delaware

July 2015
Monthly Report



NAES Scholarship Award Winners

Clockwise (top left) Plant Manager, Don Mordus, Gabrielle Lavender and her father Ray Lavender (Operations Supervisor), (top right) Plant Manager, Don Mordus, Derek deBloois and his father John deBloois (IC&E Technician)

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1.0 Environmental, Health and Safety:

During the month of July, there were no recordable accidents, lost time accidents or environmental incidents. The facility has gone 106 days through July 31, 2015 without an OSHA Recordable Accident or a Lost Time since the April 16, 2015 reportable accident.

There was one Near Miss reported in July at McKee Run. It was noticed that a heavy (35 lbs.) obsolete GAI-Tronic telephone box was dangling over the side of the Unit 1&2 cooling tower 35 feet above ground. The wires could have torn free from the box and injured personnel or damaged property on the ground. McKee Run still has to schedule one more CPR/First Aid and AED class that will occur after the run season.

During the month of July, there were fourteen IWW discharges to the Kent County Public Works sewer system for a total of 470,450-gallons. A representative sample of the industrial discharge was taken on July 18, 2015. The July SIU Report was submitted to Kent County Public Works indicating no exceedances in July.

During the month of July, there were no sampling events at Outfall 001, 004, 005 and 006 nor were there any discharges from Outfall 006. The July DMR was submitted to DNREC indicating no discharge for this month. No NPDES exceedances have been identified. All non-contact cooling tower blowdown water is being discharged directly to the Kent County Department of Public Works under the facilities Industrial Wastewater Discharge Permit #18.

McKee and VanSant submitted the Semi-Annual Title V air permit certification to DNREC as part of the conditions set forth by the air permit. This report is to confirm that all the conditions are represented and that all deviations from the air permit are documented. There has been no response back from DNREC on the status of this certification too date. Additionally, McKee Run and VanSant went through a DNREC Full Compliance Audit of the Title V air permit in late July. DNREC performs an audit on all supporting documents that relate to the operation and performance of the Title V air permit. DNREC also performed a visual tour of the facilities and collected an oil sample which will be analyzed for sulfur content. These results will be matched against the McKee Run sample results to verify that oil burned in any of the boilers are below the sulfur limitations specified in the air permit. There has been no communication back to McKee Run on the status of the Full Compliance Audit.

NOx Summary – Ozone Season (May-Sep) Tons					
Year	Unit #1	Unit #2	Unit #3	Unit #11	TOTAL
2013	1.1	1.7	19.3	1.3	23.4
2014	0.4	0.6	35.0	0.8	36.8
2015	0.1	0.2	3.7	2.4	6.4
NOx Summary - Year (Jan-Dec) Tons					
Year	Unit #1	Unit #2	Unit #3	Unit #11	TOTAL
2013	1.1	1.7	19.4	1.3	23.5
2014	0.8	1.1	39.8	3.7	45.4
2015	0.1	0.2	5.9	3.6	9.8
SO_2 Summary - Year (Jan-Dec) Tons					
Year	Unit #1	Unit #2	Unit #3	Unit #11	TOTAL
2012	0.0	0.0	0.0	0.1	0.1
2014	0.0	0.0	0.4	0.6	1.0
2015	0.0	0.0	9.6	0.8	11.0

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Environmental, Health, and Safety Statistics		
	Month (July)	Fiscal Year to Date (7/1/15-6/30/16)
NOVs	0	0
Opacity Deviations	0	0
Environmental Deviations	0	0
OSHA Recordable	0	0
OSHA LTA's	0	0
First Aid cases	0	0
Restricted Workday Accident	0	0
Near Miss	1	1
Man Hours Worked	4,532.25	4,532.25
Date last OSHA Recordable		4/16/15
Date last Lost Time Accident		1/12/15
Days since last OSHA recordable		106
Days since last Lost Time Accident		200

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		
2013 and earlier	0	10,365	690	2	11,053
2014	0	1850	138	1	1,987
2015	0	1850	138	11	1,978
			Total SO2 Allowance Balance		15,018
*Note – Emissions allowances are deducted according to oldest vintage first, unless otherwise directed.					

CO2 Allowance Summary					
CO2 Allowance Vintage	CO2 Allowances Bought/Sold YTD	CO2 Allowances Available (Per Facility, Prior to Sale)*		Total CO2 Tons Emitted	CO2 Allowance Balance
		McKee Run	VanSant		
2014 and earlier	1,000	194,244	7,799	108,126	94,917
2015	10,000	2,176	403	7,340	1,239
			Total CO2 Allowance Balance		96,156
*Note: CO2 allowance values are provided by the RGGI CO2 Allowance Tracking System. **Note: 6,000 CO2 Tons Purchased in 2015 Auction.					

2.0 Financial

Financial – Fiscal Year to Date

Number of Months 1			
	Actual	Budget	Variance
Personnel	160,690	281,000	120,310
Materials & Supplies	6,372	40,800	34,428
Administrative Expenses	394,141	540,925	146,784
Total	**$561,203**	**$862,725**	**$301,522**

Month – July			
	Actual	Budget	Variance
Personnel	160,690	281,000	120,310
Materials & Supplies	6,372	40,800	34,428
Administrative Expenses	394,141	540,925	146,784
Total	**$561,203**	**$862,725**	**$301,522**

Financial – Current Month

2.1 Variance analysis:

The actual expenses for the month of July are $561,203 against a budgeted amount of $862,725 for a favorable variance of $301,522 or 34.95%. The variance was due to the following:

PERSONNEL EXPENSES – A favorable monthly variance of $120,310 was due to having a partial payroll accrued to June 2015. In addition, we didn't have a full complement of employees for this time period. As a result, this impacted three (3) labor accounts – Straight Time, Overtime, and Labor Burdens.

MATERIALS AND SUPPLIES EXPENSES- A favorable monthly variance of $34,428 was due to the timing of receipt of monthly water bills and no need to replenish the bulk chemical tanks as we had budgeted for in July. These costs will likely be seen in August or September for sulfuric acid and caustic soda.

ADMINISTRATIVE EXPENSES – A favorable monthly variance of $146,784 was due to timing of receipt of monthly electricity bills and not being billed for ABB maintenance contract to date. Note that a portion of this was offset by the expense of pollution liability insurance that is typically billed in the October or November timeframe.

The forecasted expenses for this fiscal year are $6,359,828 expensed versus an approved budget of $6,382,900 thereby realizing a 98.69% expenditure rate.

3.0 **Operations**

Unit Operations / Outages / Trips: PJM dispatched Unit 3 three times and was self-dispatched nine times; for a total 93.200 hours online. Unit 1 was started up on July 20th for the performance of a capacity test. The startup of the unit was also further hindered during the initial warm up and firing when the boiler purge timer failed to function as designed which resulted in startup delays. Maintenance was contacted and they were able to install a parallel timer device to get the boiler purge timer to function to allow the unit to be started. Maintenance is

evaluating replacement of the original timer component for the boiler unit, with a more dependable modern purge time device for future starts on the unit. Unit 2 was self-dispatched on July 21st for capacity testing and training the unit tripped twice. The first trip was due to high lube oil temperature when the regulator stuck closed, the by-pass valve was opened and the operator manually opened the regulator with the controller. The second trip was due to the electro-matic safety lifting and not re-seating while vendors were trying to test the safety. Unit 1 was self-dispatched on July 22nd for capacity testing and training; Unit 1 was online for 7.230 hours and completed a successful capacity test. On July 27th Unit 2 was self-dispatched again for capacity testing and training this time a successful capacity test was performed with a total 10.166 online hours for the month. Unit 11 had two self-dispatched starts; both were for wet compression optimization testing. Unit 11 ran for a total of 8.583 hours of run time for the month of July.

Month – July 2015							
		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	7.233	10.166	93.200	119.599	8.583	128.182
Starts	#	1	3	9	13	2	15
Gross Generation	MWh	81.874	96.694	4,061.075	4,239.643	334.800	4,574.443
Net Generation	MWh	79.759	92.259	3,649.951	3,821.969	334.584	4,156.553
Total Auxiliaries	MWh	42.940	45.260	681.759	769.959	1.026	770.785
Auxiliaries purchased	MWh	40.825	40.825	270.635	352.285	0.810	353.095
Fuel Gas Used#	MMBTU	958.548	2,059.926	46,552.544	49,571.018	4,345.206	53,916.224
Fuel Oil Used	MMBTU	0.0	0.0	1,363.226	1,363.226	0.0	1,363.226
Fuel Oil Used	Gallons	0.0	0.0	9,904	9,904	0.0	9,904
Total Fuel	MMBTU	958.548	2,059.926	47,915.770	50,093.244	4,345.206	55,279.450
Net Heat Rate	BTU/KWh	12.018	22.328	13.143	15.829	12.987	14.408
Unit Trips	#	0	2	0	0	0	2
Capacity Factor	%	0.63	0.73	4.81	3.78	1.15	3.19
Availability Factor	%	100.00	100.00	100.00	100.00	100.00	100.00
Commercial Unavailability (CU)	%	0.0	0.0	0.0	0.0	0.0	0.0
Planned Outage Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
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	736.770	733.834	641.800	2,112.404	735.417	2,847.821
HW Boiler Gas Usage	MMBTU				0.0		0.0

[5]

[5] Does not include HWB. Fuel usage numbers are taken from fuel flow instruments.

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2015-2016 Fiscal Year-to-Date (1 Months)							
		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	7.233	10.166	93.200	119.599	8.583	128.182
Starts	#	1	3	9	13	2	15
Gross Generation	MWh	81.874	96.694	4,061.075	4,239.643	334.800	4,574.443
Net Generation	MWh	79.759	92.259	3,649.951	3,821.969	334.584	4,156.553
Total Auxiliaries	MWh	42.940	45.260	681.759	769.959	1.026	770.785
Auxiliaries purchased	MWh	40.825	40.825	270.635	352.285	0.810	353.095
Fuel Gas Used	MMBTU	958.548	2,059.926	46,552.544	49,571.018	4,345.206	53,916.224
Fuel Oil Used	MMBTU	0.0	0.0	1,363.226	1,363.226	0.0	1,363.226
Fuel Oil Used	Gallons	0.0	0.0	9,904	9,904	0.0	9,904
Total Fuel	MMBTU	958.548	2,059.926	47,915.770	50,093.244	4,345.206	55,279.450
Net Heat Rate	BTU/KWh	12.018	22.328	13.143	15.829	12.987	14.408
Unit Trips	#	0	2	0	0	0	2
Capacity Factor	%	0.63	0.73	4.81	3.78	1.15	3.19
Availability Factor	%	100.00	100.00	100.00	100.00	100.00	100.00
Commercial Unavailability (CU)	%	0.0	0.0	0.0	0.0	0.0	0.0
Planned Outage Hours	Hours	0.0	0.0	0.0	0.0	0.0	0.0
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	736.770	733.834	641.800	2,112.404	735.417	2,847.821
HW Boiler Gas Usage	MMBTU				0.0		0.0

Fuel Oil Inventory							
	Monthly Inventory (Start)	Monthly Inventory (End)	Fuel Purchases (Month)	Monthly Inventory (Change)	FY 15-16 Inventory (Start)	Fuel Purchases (FYTD)	FY 15-16 Inventory (Change)
McKee Run (#2 Fuel Oil)	739,369	730,556	0	(8,813)	739,369	0	(8,813)
VanSant (#2 Fuel Oil)	180,770	181,023	0	253	180,770	0	253

[6]

VanSant Lifetime through July 2016			
	Actual Starts	Factored Starts	Fired Hours
VanSant	1,391	2,384.25	4,396.80
Since HGP - Dec 2004	271	716.55	1013.22

[6] As measured by tank level instruments. Tank levels may change due to oil temperature.

Team Report:

In the month of July, Units 1 and 2 successfully completed capacity testing for the summer season. This completes capacity testing for the summer months for 2015.

The Plant Operations staff participates in the OES-NA training that helps prepare them for the PJM Certified System Operator exam and provides some of the required continuing education hours (CEHs) necessary to maintain PJM Certified System Operator qualifications. Additionally, members of the McKee Run staff participated in the PJM system restoration simulation drills/training that was conducted during the month of February, which also contributes CEHS to maintaining their Certified System Operator Certification.

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

4.0 Maintenance

During the month of July, the Plant Maintenance staff continued addressing the backlog of work orders. Back logged Work Orders are work orders that have been open for greater than thirty days. There were ninety work orders issued with thirty-three work orders being completed during the month. There were four Safety Work Orders entered into the plant's Computerized Maintenance Management System (MP2) during the month of which 3 were completed. The table below summarizes the monthly work order activities based on MP2 records and will continue to improve with time. This table gives a representation of identified outstanding work; Preventative Maintenance tasks and back logged work order numbers.

City of Dover – McKee Run Work Order Backlog									
Site	**WO Type**	**Starting WO Backlog**	**Received WOs**	**Total WOs**	**Comp WOs**	**Completed Received WOs**	**Total Completed WOs**	**End Backlog**	**Total Open WO's**
McKee Run	ADM	20	3	23	4	0	4	16	19
	CIP	2	0	2	2	0	2	0	0
	CM	48	34	82	7	18	25	41	57
	EM	1	0	1	0	0	0	1	1
	EW	7	0	7	0	0	0	7	7
	PM	35	42	77	9	22	31	26	46
	PR	10	0	10	0	0	0	10	10
	RO	12	7	19	2	2	4	10	15
	SP	0	2	2	0	0	0	0	2
	SW	1	4	5	1	3	4	0	1
Site Totals		**136**	**92**	**228**	**25**	**45**	**70**	**111**	**158**

City of Dover - VanSant Work Order Backlog									
Site	WO Type	Starting WO Backlog	Received WOs	Total WOs	Comp WOs	Completed Received WOs	Total Completed WOs	End Backlog	Total Open WO's
VanSant	ADM	3	0	3	0	0	0	3	3
	CIP	0	0	0	0	0	0	0	0
	CM	9	1	10	1	1	2	8	8
	PM	4	3	7	1	3	3	4	4
	SP	0	0	0	0	0	0	0	0
	SW	0	0	0	0	0	0	0	0
Site Totals		**16**	**4**	**20**	**1**	**4**	**5**	**14**	**14**

Notable activities during the month include:

During start up process operation had noticed that drawing vacuum on the condenser took longer than normal. The NAES Maintenance and IC&E Staff started troubleshooting this issue on the following startup. The system was completely checked out. It was determine that the seals were no getting water to them. The water seal pump was taken apart to investigate the pump for problems. Once the pump was taken apart debris was found to be in the impeller. The debris was found to be a bird. A screen was installed on the inlet of the vacuum pump to prevent any foreign debris from getting into this pump again. The time did improve on the time it took to pull vacuum on the condenser, which improves the startup time of the unit.

The NAES IC&E Staff assisted Compliance Environmental in completing an infrared study on all of the electrical equipment at McKee Run and VanSant Generating Station. There were no major infractions found during the study. There were a few minor infractions that were taken care right away and rechecked to ensure the issues was repaired. The majority of the minor infractions were terminals that needed cleaning and tighten.

The NAES IC&E Staff assisted McHale Performance in testing the performance of the MEE FOG wet compression system. The staff installed several locations of the thermocouples and pressure transmitter to read temperatures and fuel pressure and flows. The staff recorded MW readings, auxiliary MW readings and printed out data reports from the PLC program. This information was gathered and a report will be given to the staff to determine the performance of the CT with and without the wet compression system.

The Air Heater Controllers had to be replaced as they were acting up and were not able to be utilized as reliable indication due to erratic operation. These were replaced for future operations and to support a winter capacity test should PJM require McKee Run to perform a capacity test on these units them this winter.

The boiler camera on Unit 1 had failed. A new camera was obtained and installed by maintenance for the Unit 2 the next morning while operations was operating Unit 1.

5.0 Capital Improvement Projects (CIP)

This month's report includes all of the CIP's that still reflect as open in HTE and the planned budgeted CIP's for the current budget year 2015/2016.

Project Number	*Description*	*Update*
EG1212	*Unit 3 Turbine Repairs*	*Progress: Project is complete.* *Schedule: Project is complete except for final invoicing.*
EG1312	*Unit #3 Generator Repairs*	*Progress: Work is complete.* *Schedule: Work is complete.*
EG1402	*Unit #3 Cooling Tower Repairs*	*Progress: Work is complete and final report has been received.* *Schedule: Project is complete.*
EG1404	*McKee Run Unit #3 Auxiliary Equipment Replacement*	*Progress: Work is complete.* *Schedule: Work is complete.*
EG1405	*Van Sant Unit #11 Component Replacement*	*Progress: Work is complete.* *Schedule: Work is complete.*
EG1406	*McKee Run HEP Pipe Repairs*	*Progress: Work is complete and final report has been received.* *Schedule: Project is complete.*
EG1407	*Metering System Upgrades*	*Progress: Project on Hold.* *Schedule: Project is on Hold until next year when RFP process will begin again. Project would be slated to be completed once Units 1 and 2 are taken out of service.*
EG1408	*McKee Run / Van Sant Safety & Compliance*	*Progress:* *Schedule:*
EG1409	*McKee Run Natural Gas System Block Valve Replacement*	*Progress: Work is complete.* *Schedule: Work is complete.*
EG1413	*McKee Run / Van Sant Structural Preservation*	*Progress:* *Schedule:*
EG1415	*McKee Run Units #1-#2 Component Replacement*	*Progress: Work is complete.* *Schedule: Work is complete.*
EG1416	*VanSant Capacity Increase*	*Progress: Commissioning of system was completed and Emission testing conducted in June.* *Schedule: Test report received from Catalyst Air Management. Submitted to ESS for review and will then be submitted to DNREC. Meeting to be held with DNREC to discuss results and to determine air permit requirements. Submitted an extension to DNREC and was approved.*
EG1503	*Unit #3 Auxiliary System Component Replacement*	*Progress: Work is complete.* *Schedule: Work is complete.*
EG1504	*Unit#3 Boiler System Repairs*	*Progress: Tube samples have yet to be sent out for analysis* *Schedule: .*
EG1505	*Van Sant Station Component Replacement*	*Progress: Project on Hold..* *Schedule: Funding was moved to support other CIPs.*

EG1506	*McKee Run / Van Sant Safety Improvements*	*Progress: Updated Drawings received and final work to be completed in July.* *Schedule: Project was requested to be carried over into new FY.*
EG1507	*McKee Run Units #1-#2 Component Replacement*	*Progress: Project on Hold due to funding removed to support other CIPs.* *Schedule: Project on Hold due to funding removed to support other CIPs.*
EG1508	*McKee Run/VanSant Structural Preservation*	*Progress: Project on Hold, however some funds were used to support transformer repair cost to preserve station integrity and reliability.* *Schedule: Project on Hold, however some funds were used to support transformer repair cost to preserve station integrity and reliability.*
EG1601	*McKee Run Building Equipment Replacement*	*Progress:* *Schedule:*
EG1604	*McKee Run Unit #3 Boiler Systems*	*Progress:* *Schedule:*
EG1607	*McKee Run Unit #3 Auxiliary Equipment Replacement*	*Progress:* *Schedule:*
EG1608	*McKee Run / Van Sant CEMS Upgrades*	*Progress:* *Schedule:*
EG1609	*Van Sant Station Component Replacement*	*Progress:* *Schedule:*
EG1610	*McKee Run / Van Sant Safety Improvements*	*Progress:* *Schedule:*
EG1611	*McKee Run / Van Sant Structural Preservation*	*Progress:* *Schedule:*
EG1612	*McKee Run Unit #3 Cooling Water Line Repairs*	*Progress:* *Schedule:*
EG1613	*McKee Run Unit #3 Boiler Stack Repairs*	*Progress:* *Schedule:*

6.0 General Plant Information

Plant employees welcomed Kyle Polumbo as an Operator I on July 20, 2015. Kyle recently graduated from Williamson with an Associate's Degree in Power Plant Technology. Most recently Kyle had an internship with Paulsboro Oil Refinery in Paulsboro, NJ. The Plant was introduced to Kyle at a welcome breakfast hosted in the Control Room on July 23, 2015.

Currently the Plant is looking to fill (1) Operator position, and is actively conducting interviews with qualified applicants.

Training:

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 and score a minimum 80% on a quiz before they can complete the SMP.

Topics discussed during the monthly safety committee meeting were reviewed by the entire staff. The monthly safety topic was on "Carbon Monoxide Poisoning Kill Two" and therefore everyone is empowered to stop a job if they consider the work practice at hand to be unsafe or dangerous to the health and well-being of the employee(s) performing a given task. They are all aware that safety and safe performance of work and tasks is a team effort and making sure each of us is watching out for the safety of others is a core value for NAES Safe practices.

6.0 Summary of NAES Performance to Date

Calendar of Events	Date
NOx Ozone Season Starts	May 1, 2015
PJM Summer Capacity Test Period	June 1, 2015 – August 31, 2015
FY 2015-2016 Budget Year Begins	July 1, 2015
Toxic Release Inventory (TRI) Annual Report	July 1, 2015
Semi-Annual Title V Certification Due	July 31, 2015
NOx Ozone Season Ends	September 30, 2015
Annual VanSant Black Start Test	TBD
Units 1, 2, 3 and 11 Fall Outage Starts	TBD
Winter Capacity Period	December 1, 2015 to February 28, 2016
Title V Annual Certifications Due	January 31, 2016

Summer 2015 (June 1- Aug 31)			Winter 2015-2016 (Dec 1- Feb 28)		
Unit	Rated Net Capability (MW)	Reported Net Capability (MW)	Unit	Rated Net Capability (MW)	Reported Net Capability (MW)
1	17	17.5	1	17	*
2	17	17.9	2	17	*
3	102	103.6	3	102	*
11	39	42.9#	11	39	*
Total	175	175	Total	175	*

Note: * Denotes Unit PJM Winter Demonstration Period not completed yet.
Note: # Depicts Net Corrected Capacity for Ambient Air Conditions – VanSant Unit only

IV. Appendix 1 – PJM Invoice

REPORT NAME:	Monthly Billing Statement - CSV and XML
CUSTOMER ACCOUNT:	City of Dover, Delaware
CUSTOMER CODE:	DOVDE
CUSTOMER ID:	76.000000
FINAL BILLING STATEMENT ISSUED:	8/7/2015 9:19
BILLING PERIOD START DATE:	7/1/2015
BILLING PERIOD END DATE:	7/31/2015
INVOICE NUMBER:	2015073100076
INVOICE DUE DATE:	8/14/2015 12:00

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT ($)
1100.000000		Network Integration Transmission Service		449639.81
1108.000000		Transmission Enhancement		70050.53
1130.000000		Firm Point-to-Point Transmission Service		0.00
1140.000000		Non-Firm Point-to-Point Transmission Service		0.00
1200.000000		Day-ahead Spot Market Energy		623263.00
1205.000000		Balancing Spot Market Energy		-241840.68
1210.000000		Day-ahead Transmission Congestion		-576947.53
1215.000000		Balancing Transmission Congestion		65187.95
1220.000000		Day-ahead Transmission Losses		20342.27
1225.000000		Balancing Transmission Losses		-2485.74
1230.000000		Inadvertent Interchange		81.12
1242.000000		Day-Ahead Load Response Charge Allocation		35.22
1243.000000		Real-Time Load Response Charge Allocation		164.97
1250.000000		Meter Error Correction		-4670.63
1301.000000		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		12966.83
1302.000000		PJM Scheduling, System Control and Dispatch Service - FTR Administration		0.00
1303.000000		PJM Scheduling, System Control and Dispatch Service - Market Support		3100.83
1304.000000		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		92.32
1305.000000		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		936.82
1306.000000		PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center		1425.89

1307.000000	PJM Scheduling, System Control and Dispatch Service - Market Support Offset	-387.69
1313.000000	PJM Settlement, Inc.	387.69
1314.000000	Market Monitoring Unit (MMU) Funding	321.08
1315.000000	FERC Annual Recovery	5134.62
1316.000000	Organization of PJM States, Inc. (OPSI) Funding	52.88
1317.000000	North American Electric Reliability Corporation (NERC)	904.31
1318.000000	Reliability First Corporation (RFC)	1471.43
1320.000000	Transmission Owner Scheduling, System Control and Dispatch Service	5694.06
1330.000000	Reactive Supply and Voltage Control from Generation and Other Sources Service	35996.70
1340.000000	Regulation and Frequency Response Service	11911.29
1360.000000	Synchronized Reserve	7382.17
1362.000000	Non-Synchronized Reserve	1235.37
1365.000000	Day-ahead Scheduling Reserve	11774.97
1370.000000	Day-ahead Operating Reserve	5250.38
1375.000000	Balancing Operating Reserve	8746.32
1376.000000	Balancing Operating Reserve for Load Response	5.72
1378.000000	Reactive Services	3691.45
1380.000000	Black Start Service	1577.84
1400.000000	Load Reconciliation for Spot Market Energy	-552.66
1410.000000	Load Reconciliation for Transmission Congestion	1052.16
1420.000000	Load Reconciliation for Transmission Losses	25.79
1430.000000	Load Reconciliation for Inadvertent Interchange	-8.67
1440.000000	Load Reconciliation for PJM Scheduling, System Control and Dispatch Service	-63.61
1442.000000	Load Reconciliation for Schedule 9-6 - Advanced Second Control Center	-7.47
1444.000000	Load Reconciliation for Market Monitoring Unit (MMU) Funding	-1.23
1445.000000	Load Reconciliation for FERC Annual Recovery	-20.64
1446.000000	Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding	-0.21
1447.000000	Load Reconciliation for North American Electric Reliability Corporation (NERC)	-3.63
1448.000000	Load Reconciliation for Reliability First Corporation (RFC)	-5.91
1450.000000	Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service	-22.89
1460.000000	Load Reconciliation for Regulation and Frequency Response Service	-228.23
1470.000000	Load Reconciliation for Synchronized Reserve	-20.27
1472.000000	Load Reconciliation for Non-Synchronized Reserve	-2.27
1475.000000	Load Reconciliation for Day-ahead Scheduling	-20.57

		Reserve		
		Load Reconciliation for Balancing Operating		
1478.000000		Reserve		-13.71
1490.000000		Load Reconciliation for Reactive Services		424.96
1600.000000		RPM Auction		6324.93
1610.000000		Locational Reliability		904154.06
1932.000000		Generation Deactivation Refund		-564.58
1230.000000	A	Inadvertent Interchange	6/1/2015	0.77
1250.000000	A	Meter Error Correction	6/1/2015	-3498.66
1340.000000	A	Regulation and Frequency Response Service	6/1/2015	-6.39
1360.000000	A	Synchronized Reserve	1/1/2015	-698.43
1360.000000	A	Synchronized Reserve	2/1/2015	-1292.29
1360.000000	A	Synchronized Reserve	3/1/2015	-1498.01
1365.000000	A	Day-ahead Scheduling Reserve	5/1/2015	-145.05
1375.000000	A	Balancing Operating Reserve	1/1/2014	62.20
1375.000000	A	Balancing Operating Reserve	1/1/2015	-68.86
1375.000000	A	Balancing Operating Reserve	2/1/2015	-254.39
1375.000000	A	Balancing Operating Reserve	3/1/2015	-44.03
1375.000000	A	Balancing Operating Reserve	4/1/2015	-3.73
1375.000000	A	Balancing Operating Reserve	5/1/2015	-9.13
1375.000000	A	Balancing Operating Reserve	6/1/2015	0.73
1378.000000	A	Reactive Services	1/1/2015	1636.69
1911.000000	A	Michigan - Ontario Interface Phase Angle Regulators	6/1/2015	195.52
		Total Charges		1427315.86

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT ($)
2100.000000		Network Integration Transmission Service		0.00
2108.000000		Transmission Enhancement		55113.41
2130.000000		Firm Point-to-Point Transmission Service		0.00
2140.000000		Non-Firm Point-to-Point Transmission Service		384.77
2210.000000		Transmission Congestion		0.00
2220.000000		Transmission Losses		31441.97
2320.000000		Transmission Owner Scheduling, System Control and Dispatch Service		0.00
2330.000000		Reactive Supply and Voltage Control from Generation and Other Sources Service		29467.58
2340.000000		Regulation and Frequency Response Service		0.00
2360.000000		Synchronized Reserve		4480.22
2365.000000		Day-ahead Scheduling Reserve		20406.73
2370.000000		Day-ahead Operating Reserve		0.00
2375.000000		Balancing Operating Reserve		5092.99
2380.000000		Black Start Service		0.00
2420.000000		Load Reconciliation for Transmission Losses		-27.79

2510.000000		Auction Revenue Rights		76153.98
2600.000000		RPM Auction		908470.50
2630.000000		Capacity Transfer Rights		2150.78
2640.000000		Incremental Capacity Transfer Rights		353.09
2661.000000		Capacity Resource Deficiency		11425.22
2140.000000	A	Non-Firm Point-to-Point Transmission Service	6/1/2015	13.75
2220.000000	A	Transmission Losses	6/1/2015	-3.18
		Total Credits		1144924.02
		Previous Weekly Billing Net Total		197835.48
		Total Due / Receivable		84556.36

FUND SUMMARY as of 09/04/2015

Total Collected	$ 1,175,375.97
DEMEC Admin Fee Paid	$ 70,731.48
State Admin Fee Paid	$ 26,675.07
Customer Grants Paid	$ 535,563.25
Customer Only Grants/Fees Reserved and Amount Owed	$ 63.75
Community Project Funds Requested - Dov. Lib - Requested	$ 1,970,000.00
Community Project Funds Paid - Dov. Lib	$ 397,408.32
Energy Depot Fees Paid	$ 58,593.90
Efficiency Program Dollars Paid	$ 37,268.34
Solar Electric Power Association (SEPA) Fee Paid	$ 6,476.41
Unencumbered Funds Available Grants	**$ 2,595.45**
Funds Available for Dover Library	**$ 40,000.00**
Current Grant Payment Delay (Months)	**0.0**

GRANTS PAID

Date Grant Paid	Applicant	Type	Grant Amount Paid	Review Fee Paid	Amount Owed
9/21/2007	Laura Drew Kelly	Geo-Res	$ 3,000.00	$ 225.00	$ -
12/5/2007	Domingo Reyes	PV-Res	$ 12,762.50	$ 750.00	$ -
4/16/2008	Lakeland Commercial Group	Geo-NonRes	$ 10,800.00	$ 750.00	$ -
6/19/2008 & 08/25/2008	L.D. Shank - Triad Farms	PV-NonRes	$ 30,000.00	$ 750.00	$ -
10/6/2008	City of Dover	PV-NonRes	$ 40,820.00	$ 750.00	$ -
10/21/2008	Robert & Cynthia Hartman	Geo-Res	$ 1,800.00	$ 135.00	$ -
10/21/2008	Robert Varipapa	Geo-Res	$ 2,400.00	$ 180.00	$ -
2/27/2009	David Jump	PV-Res	$ 15,000.00	$ 750.00	$ -
2/27/2009	Jakob Seren	PV-Res	$ 15,000.00	$ 750.00	$ -
2/27/2009	William Sweet	PV-Res	$ 15,000.00	$ 750.00	$ -
3/31/2009	LD Shank - Triad Farms	SHW-NonRes	$ 3,000.00	$ 225.00	$ -
3/31/2009	Warren & Joan Seaver	Geo-Res	$ 3,000.00	$ 225.00	$ -
4/22/2009	William Sweet	SHW-Res	$ 3,000.00	$ 225.00	$ -
4/28/2009	State of DE/DNREC - DE National	PV-NonRes	$ 30,000.00	$ 750.00	$ -
4/29/2009	Delaware Primary Care, LLC	PV-NonRes	$ 30,000.00	$ 750.00	$ -
9/11/2009	NCALL	PV-NonRes	$ 30,000.00	$ 750.00	$ -
9/11/2009	D.Brian Beckman	Geo-Res	$ 2,000.00	$ 150.00	$ -
9/21/2009	LSKC Dover, LLC - Kids Cottage	PV-NonRes	$ 29,925.00	$ 750.00	$ -
10/5/2009	Mark F. Boller	Geo-Res	$ 3,000.00	$ 225.00	$ -
10/5/2009	John Welgan	PV-Res	$ 15,000.00	$ 750.00	$ -
11/4/2009	LSKC LLC/ Kids Cottage	Geo-NonRes	$ 12,000.00	$ 750.00	$ -
3/25/2010	James G. McGiffin Jr. & Kathleen	Geo-Res	$ 3,000.00	$ 225.00	$ -
3/23/2010	Minaxi Patel	PV-Res	$ 15,000.00	$ 750.00	$ -
5/28/2010	Nancy Warner	Geo-Res	$ 1,200.00	$ 90.00	$ -
6/2/2010	David Teel	Geo-Res	$ 1,800.00	$ 135.00	$ -
6/2/2010	Dewey J. Barich	Geo-Res	$ 2,400.00	$ 180.00	$ -
7/12/2010	Mike & Sharon Laverty	PV-Res	$ 5,105.00	$ 382.88	$ -
8/19/2010	James Grilli	Geo-Res	$ 1,800.00	$ 135.00	$ -
8/19/2010	Michael Noble	PV-Res	$ 15,000.00	$ 750.00	$ -
9/17/2010	David Teel	PV-Res	$ 7,500.00	$ 562.50	$ -
3/8/2011	Michael & Carol Apgar	PV-Res	$ 7,500.00	$ 562.50	$ -
3/17/2011	Elizabeth Murphey School	Geo-NonRes	$ 9,200.00	$ 690.00	$ -
5/24/2011	Richard Avant	Geo-Res	$ 2,400.00	$ 180.00	$ -
6/23/2011	Charles Messina Plumbing &	SHW-NonRes	$ 10,000.00	$ 750.00	$ -
10/4/2011	Charles Bounds	Geo-Res	$ 1,800.00	$ 135.00	$ -
3/29/2011	Michael J Kopp	Geo-Res	$ 2,300.00	$ 135.00	$ 37.50
7/8/2011	Psychiatric Access of Central DE	PV-NonRes	$ 13,187.50	$ 750.00	$ -
3/7/2012	Ruth Ann Piper	Geo-Res	$ 1,200.00	$ 90.00	$ -
3/7/2012	Robert Hall	Geo-Res	$ 3,000.00	$ 225.00	$ -
3/7/2012	Elizabeth Murphey School (Bradford	Geo-NonRes	$ 13,800.00	$ 750.00	$ -
3/7/2012	Elizabeth Murphey School (Florence	Geo-NonRes	$ 12,000.00	$ 750.00	$ -
3/7/2012	Elizabeth Murphey School	Geo-NonRes	$ 5,400.00	$ 405.00	$ -
3/7/2012	Elizabeth Murphey School (Garage	Geo-NonRes	$ 1,800.00	$ 135.00	$ -
3/7/2012	Frank Daniels	Geo-Res	$ 4,400.00	$ 303.75	$ 26.25
3/7/2012	Elizabeth Murphey School (Sanford	Geo-NonRes	$ 10,200.00	$ 750.00	$ -
8/15/2012	Chong S. Tamburo-Lepage	Geo-Res	$ 2,300.00	$ 172.50	$ -
12/19/2012	Christopher W. Los	Geo-Res	$ 3,000.00	$ 225.00	$ -
1/30/2013	Matthew and Kimberly Chesser	Geo-Res	$ 3,000.00	$ 225.00	$ -
2/25/2013	Dennis Ho	PV-Res	$ 6,775.00	$ 508.13	$ -
6/28/2013	John DeMarie	Geo-Res	$ 3,000.00	$ 225.00	$ -
10/30/2013	James and Corinna Fritsch	PV-Res	$ 5,287.50	$ 396.56	$ -
10/30/2013	James and Deri Austin	PV-Res	$ 7,500.00	$ 562.50	$ -
2/28/2014	Calogero Guarraggi	PV-Res	$ 7,500.00	$ 562.50	$ -
2/28/2014	Elizabeth Murphey School	Geo-NonRes	$ 3,700.00	$ 277.50	$ -
2/21/2014	Mohammed Fuad	Geo-Res	$ 3,000.00	$ 225.00	$ -
4/8/2014	Holly Pfeifer	PV-Res	$ 5,750.00	$ 431.25	$ -
5/13/2014	Governors Avenue Animal Hospital	PV-NonRes	$ 13,550.75	$ 750.00	$ -
7/17/2014	Julia M. Pillsbury	Geo-Res	$ 3,000.00	$ 225.00	$ -
11/7/2014	Elizabeth Murphey School	Geo - NonRes	$ 3,700.00	$ 277.50	$ -
11/7/2014	Elizabeth Murphey School	Geo - NonRes	$ 3,700.00	$ 277.50	$ -
1/8/2015	Rex Bell	Geo - Res	$ 2,300.00	$ 172.50	$ -
Total			**$ 535,563.25**	**$ 26,675.07**	**$ 63.75**

ARRA RELIEF GRANTS PAID

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

RECEIVED APPLICATIONS

Status	Applicant	Type	Grant Reservation Request	Review Fee
Total			**$ -**	**$ -**

ENERGY DEPOT FEES

Paid	Fee Period	Amount
3/3/2008	Start-up Fees	$ 5,872.50
4/15/2008	Start-up Fees	$ 1,957.50
4/15/2008	Mar, Apr, May 2008	$ 1,692.13
7/22/2008	June, July, Aug 2008	$ 1,692.13
10/10/2008	Sept, Oct, Nov 2008	$ 1,692.13
1/2/2009	Dec 08, Jan, Feb 2009	$ 1,692.13
4/3/2008	Mar, Apr, May 2009	$ 1,692.13
7/1/2009	June, July, Aug 2009	$ 1,692.13
9/11/2009	Sept, Oct, Nov 2009	$ 1,692.13
1/4/2010	Dec 09, Jan, Feb 2010	$ 1,692.13
3/29/2010	Mar, April, May 2010	$ 1,692.13
6/30/2010	June, July, Aug 2010	$ 1,692.13
10/4/2010	Sept, Oct, Nov 2010	$ 1,692.13
1/3/2011	Dec 2010, Jan, Feb 2011	$ 1,692.13
4/5/2011	Mar, Apr, May 2011	$ 1,692.13
7/8/2011	June, July, Aug 2011	$ 1,692.13
10/4/2011	Sept, Oct, Nov, 2011	$ 1,692.13
1/3/2012	Dec 2011; Jan, Feb 2012	$ 1,692.13
4/5/2012	Mar, Apr, May 2012	$ 1,692.13
7/2/2012	June, July, Aug 2012	$ 1,692.13
10/2/2012	Sept, Oct, Nov 2012	$ 1,692.13
11/30/2012	Dec 12, Jan, Feb 2013	$ 1,692.13
2/25/2013	Mar, Apr, May 2013	$ 1,692.13
7/22/2013	June, July, Aug 2013	$ 1,692.13
8/26/2013	Sept, Oct, Nov, 2013	$ 1,692.13
12/3/2013	Dec 13. Jan, Feb 2014	$ 1,692.13
3/4/2014	Mar, Apr, May 2014	$ 1,692.13
6/4/2014	June, July, Aug 2014	$ 1,692.13
9/4/2014	Sept, Oct, Nov 2014	$ 1,692.13
12/1/2014	Dec 14, Jan, Feb 2015	$ 1,692.13
3/9/2015	Mar, Apr, May 2015	$ 1,692.13
6/1/2015	June, July, Aug 2015	$ 1,692.13
Total Paid		**$ 58,593.90**

SEPA Fees

Date	Measure	
3/19/2012	2012 Annual Membership	$ 2,158.81
1/31/2013	2013 Annual Membership	$ 2,158.80
1/27/2014	2014 Annual Membership	$ 2,158.80
Total		**$ 6,476.41**

ENERGY EFFICIENCY CAMPAIGNS/EDUCATION PROGRAMS

Paid	Program Measure	Amount
10/21/2008	1,500 CFL Campaign & Educational	$ 5,012.29
12/11/2008	Reimbursement for Green Energy/Information Pamphlets	$ 3,459.12
3/31/2009	Thermal Imager for Home Audits Program	$ 5,581.12
1/4/2011	Eco @ Home Energy Conserve. Calendars	$ 20,015.81
1/14/2014	Presbyterian Church of Dover - Energy Efficiency Grant	$3,200.00
Total		**$ 37,268.34**

10/30/2013 **Dover Library Community Grant Payment Schedule**

Dover Library Community Funds Collection - **$ 1,970,000.00** Allocation change from Dover

Collections	
$ 5,021.15	1/2 of Oct 2009 GEF Payment
$ 4,783.94	1/2 of Nov 2009 GEF Payment
$ 4,813.23	1/2 of Dec 2009 GEF Payment
$ 5,454.02	1/2 of Jan 2010 GEF Payment
$ 5,147.49	1/2 of Feb 2010 GEF Payment
$ 4,897.69	1/2 of March 2010 GEF Payment
$ 3,976.14	1/2 of April 2010 GEF Payment
$ 5,638.90	1/2 of May 2010 GEF Payment
$ 5,645.35	1/2 of June 2010 GEF Payment
$ 6,590.60	1/2 of July 2010 GEF Payment
$ 7,786.09	1/2 of August 2010 GEF Payment
$ 6,415.31	1/2 of Sept 2010 GEF Payment
$ 5,327.96	1/2 of Oct 2010 GEF Payment
$ 4,787.73	1/2 of Nov 2010 GEF Payment
$ 4,939.75	1/2 of Dec 2010 GEF Payment
$ 5,452.55	1/2 of Jan 2011 GEF Payment
$ 5,410.35	1/2 of Feb 2011 GEF Payment
$ 4,646.32	1/2 of March 2011 GEF Payment
$ 4,742.22	1/2 of April 2011 GEF Payment
$ 4,702.48	1/2 of May 2011 GEF Payment
$ 5,664.97	1/2 of June 2011 GEF Payment
$ 6,430.15	1/2 of July 2011 GEF Payment
$ 6,916.50	1/2 of Aug 2011 GEF Payment
$ 6,149.31	1/2 of Sept 2011 GEF Payment
$ 5,243.92	1/2 of Oct 2011 GEF Payment
$ 4,829.91	1/2 of Nov 2011 GEF Payment
$ 4,531.81	1/2 of Dec 2011 GEF Payment
$ 4,990.50	1/2 of Jan 2012 GEF Payment
$ 5,071.81	1/2 of Feb 2012 GEF Payment
$ 4,828.32	1/2 of March 2012 GEF Payment
$ 4,857.07	1/2 of April 2012 GEF Payment
$ 4,230.04	1/2 of May 2012 GEF Payment
$ 5,711.19	1/2 of June 2012 GEF Payment
$ 6,085.89	1/2 of July 2012 GEF Payment
$ 7,347.66	1/2 of Aug 2012 GEF Payment
$ 6,453.66	1/2 of Sept 2012 GEF Payment
$ 4,886.43	1/2 of Oct 2012 GEF Payment
$ 4,132.99	1/2 of Nov 2012 GEF Payment
$ 5,513.86	1/2 of Dec 2012 GEF Payment
$ 5,187.25	1/2 of Jan 2013 GEF Payment
$ 5,307.83	1/2 of Feb 2013 GEF Payment
$ 4,783.25	1/2 of March 2013 GEF Payment
$ 4,903.40	1/2 of April 2013 GEF Payment
$ 4,673.21	1/2 of May 2013 GEF Payment
$ 5,322.04	1/2 of June 2013 GEF Payment
$ 6,352.74	1/2 of July 2013 GEF Payment
$ 6,519.11	1/2 of Aug 2013 GEF Payment
$ 5,995.23	1/2 of Sept 2013 GEF Payment
$ 4,913.73	1/2 of Oct 2013 GEF Payment
$ 8,589.16	All of Nov 2013 GEF Payment
$ 8,846.64	All of Dec 2013 GEF Payment
$ 9,286.45	All of Jan 2014 GEF Payment
$ 10,267.60	All of Feb 2014 GEF Payment
$ 8,950.89	All of March 2014 GEF Payment
$ 8,960.46	All of April 2014 GEF Payment
$ 8,069.10	All of May 2014 GEF Payment
$ 9,357.61	All of June 2014 GEF Payment
$ 10,776.24	All of July 2014 GEF Payment
$ 10,967.67	All of Aug 2014 GEF Payment
$ 10,883.75	All of Sept 2014 GEF Payment
$ 8,932.20	All of Oct 2014 GEF Payment
$ 8,549.42	All of Nov 2014 GEF Payment
$ 8,805.66	All of Dec 2014 GEF Payment
$ 9,524.94	All of Jan 2015 GEF Payment
$ 10,268.95	All of Feb 2015 GEF Payment
$ 9,387.70	All of March 2015 GEF Payment
$ 8,845.29	All of April 2015 GEF Payment
$ 8,371.57	All of May 2015 GEF Payment
$ 10,031.73	All of June 2015 GEF Payment
	All of July 2015 GEF Payment
	All of Aug 2015 GEF Payment
	All of Sept 2015 GEF Payment
	All of Oct 2015 GEF Payment
	All of Nov 2015 GEF Payment
	All of Dec 2015 GEF Payment
$ 451,685.95	**Total Collections**

Allocation Request from Dover 10/30/2013 - DEMEC to direct more money to library

Payment Due Date	Requested Amount	Funds Paid to Date
10/17/2011	$ 48,267.00	$ 48,267.00
12/5/2012	$ 152,141.32	$ 152,141.32
June 1, 2014	$ 98,500	$ 98,500.00
June 1, 2015	$ 98,500	$ 98,500.00
June 1, 2016	$ 98,500	
June 1, 2017	$ 98,500	
June 1, 2018	$ 98,500	
June 1, 2019	$ 98,500	
June 1, 2020	$ 98,500	
June 1, 2021	$ 98,500	
June 1, 2022	$ 98,500	
June 1, 2023	$ 98,500	
June 1, 2024	$ 98,500	
June 1, 2025	$ 98,500	
June 1, 2026	$ 98,500	
June 1, 2027	$ 98,500	
June 1, 2028	$ 98,500	
June 1, 2029	$ 98,500	
June 1, 2030	$ 98,500	
June 1, 2031	$ 98,500	
June 1, 2032	$ 98,500	
June 1, 2033	$ 98,500	
Total	**$ 1,970,000.00**	**$ 397,408.32**

City of Dover
Electric Revenue Fund
FY15 - White Oak Solar Park Incremental Cost

	July	YTD	Original Budget
Power Supply & Generation			
Dover Sun Park - Energy	$ 241,720	$ 241,720	$ 2,313,861
Dover Sun Park - REC's	-	-	363,381
Total Power Supply Cost	241,720	241,720	2,677,242
Non-Solar Power Supply Cost	(121,131)	(121,131)	(179,253)
Incremental Energy Cost	$ 120,589	$ 120,589	$ 2,497,989
Revenues			
Customer Sales - Electricity	(8,419)	(8,419)	(93,900)
Rent Receipts	(15,177)	(15,177)	(93,700)
Total Revenues	(23,596)	(23,596)	(187,600)
Incremental Sun Park Cost	$ 96,993	$ 96,993	$ 2,310,389
MWh Purchased/Generated - Solar	2,084.336	2,084.336	18,159.000
MWh $ Solar Energy	$ 115.97	$ 115.97	$ 127.42
Solar REC's MWh	-	-	
MWh $ Solar REC (one month lag)*	-	-	
MWh $ Non-Solar Energy	$ 58.12		

Note: Solar REC's are one month behind due to the time the invoice is received.