UTILITY COMMITTEE

A G E N D A

February 14, 2011 - 5:00 P.M. - Council Chambers - City Hall - City of Dover

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. Green Energy Fund Grant Modification

2. Retail Customer Demand Response Tariff Modification

3. Amendments to Renewable Portfolio Standard (RPS) Legislation

4. Review of Utility Related Capital Investment Plan (CIP) *(Electric and Water/Wastewater) (December)*

5. Adjournment by 5:55 P.M.

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

ACTION FORM

PROCEEDING: Utility Committee	**AGENDA ITEM NO.:**
DEPARTMENT OF ORIGIN: Public Utilities – Electric	**DATE SUBMITTED**: 1-24-11
PREPARED BY: Ron Lunt, Public Utilities Director	
SUBJECT: Green Energy Fund Grant Modification	
REFERENCE: N/A	
RELATED PROJECT: N/A	
APPROVALS: City Manager	
EXHIBITS: Dover Green Energy Fund Incentive/Grant Proposed Changes and Sample Grant Calculations	
EXPENDITURE REQUIRED: N/A	**AMOUNT BUDGETED**: N/A
FUNDING SOURCE (Dept./Page in CIP & Budget):	
TIME TABLE: Effective upon Council Approval.	
RECOMMENDED ACTION: Staff recommends adopting the "Dover Green Energy Fund Incentive/Grant Proposed Changes" outlined in the exhibit and funding Non-Profit applications at the same levels/caps as Non-Residential applications.	

BACKGROUND AND ANALYSIS

Approximately five years ago the State of Delaware adopted The Delaware Energy Act which includes a Green Energy Fund Program whereby electric customers of the City of Dover contribute funds to the program to financially support the installation of renewable energy resources and promote the use of energy efficiency technologies. This program is administered by the Delaware Municipal Electric Corporation (DEMEC) for the municipal providers in the state, including the City of Dover. Within this Green Energy Fund Program there are Grant limits (percentage of payment and total payment) for the installation of qualifying technologies. DEMEC has suggested that the City of Dover modify the percentage of the grant payments, the total grant limits, and in the case of the Geothermal Heat Pumps, increase the efficiency standards. These modifications will assist in the goal of ensuring that funds are available for the most potential Grant requesting parties. Currently Dover has a backlog of approximately 1.5 years. On December 10, 2010, Delmarva Power and Delaware Electric Cooperative modified their grant programs similar to the attached recommendation. DEMEC recommended the proposed changes as outlined in the exhibit with staff recommending two major variances. The first variation is in the Photovoltaic Systems whereby Non-Profit applicants would be provided grants at the same level as Non-Residential and the second is related to Fuel Cells and again provides a grant percentage calculation (20%) the same as both residential and non-residential. Staff's reasoning for this deviation is that there are many non-profit entities in Dover because we are a state capital with many schools and colleges, and due to the backlog of applications it was felt this was the most equitable to treat all non-residential groups the same. Additionally, the non-profit group was recently identified by Delmarva Power as a separate group in the December, 2010, modification; prior to this they were identified the same as non-residential.

The attached exhibit, *Dover Green Energy Fund Incentive/Grant Proposed Changes*, includes the proposed changes in red text on the first line of each Grant System; the second line includes the current program guidelines. There are two yellow boxes that identify the suggested deviations from the DEMEC recommendation for the reasons outlined above. It should also be noted that the system qualifications have been modified to better reflect the value of the installation. For example the Photovoltaic and Small Wind Turbine grants are now based on output instead of installation cost to incentivize the installation of more efficient systems and are these systems are now limited to a maximum size of 50 kW. The same principle applies to the Solar Water Heater and Geothermal Heat Pumps, the more efficient system receive larger grants or qualify for these grants. The least efficient Geothermal Heat Pumps (previous units with EER ratings of 14) would be eliminated from the program; this is due in part to the advancements of technology. Lastly, Fuel Cells percentages of costs limits are being reduced to provide more equity between the system options.

To further encourage conservation it will be a requirement of residential customers to complete a City of Dover Public Utilities Residential Utility Service Audit which may be scheduled by calling 736-7070. All non-residential applicants shall have an energy audit completed by a prequalified commercial auditor, a listing of which can be found at www.energizedelaware.org/businessallies. The expense of this audit will be the sole responsibility of the applicant and the listing is maintained by Delaware's Sustainable Energy Utility. This requirement is also included in the Green Energy Program requirements administered for the Delmarva Power Customers.

Dover Green Energy Fund Incentive/Grant Proposed Changes

Photovoltaic Systems

	Not to Exceed __% of total installed costs	Residential & Non-Residential			Non-Profit			Maximum Grant		
		Cost ($/Watt) 0+ to 5kW	Cost ($/Watt) 5+kW to 10kW	Cost ($/Watt) 10+kW to 50kW	Cost ($/Watt) 0+ to 5kW	Cost ($/Watt) 5+kW to 10kW	Cost ($/Watt) 10+kW to 50kW	Residential	Non-Residential	Non-Profit
Dover (Proposed)	**N/A**	**$ 1.25**	**$ 0.75**	**$ 0.35**	**$ 1.25**	**$ 0.75**	**$ 0.35**	**$7,500**	**$15,000**	**$15,000**
Dover (Current)	25%	N/A	N/A	N/A	N/A	N/A	N/A	$7,500	$15,000	$15,000
		DEMEC recommended limits are:			$ 2.55	$ 1.50	$ 0.70			

Solar Water Heater Only

	Not to Exceed __% of total installed costs	Residential ($/OG300 - kWhr Saved)	Non-Residential ($/OG300 - or PE Cal. kWhr Saved)	Non-Profit ($/OG300 - or PE Cal. kWhr Saved)	Maximum Grant		
					Residential	Non-Residential	Non-Profit
Dover (Proposed)	**N/A**	**$ 1.00**	**$ 1.00**	**$ 1.00**	**$2,500**	**$7,500**	**$7,500**
Dover (Current)	50%	N/A	N/A	N/A	$3,000	$10,000	$10,000

Solar Water Heating Integrated into a Radiant Heating Application

	Not to Exceed __% of total installed costs	Residential ($/OG300 - kWhr Saved)	Non-Residential ($/OG300 - kWhr Saved)	Non-Profit ($/OG300 - kWhr Saved)	Maximum Grant		
					Residential	Non-Residential	Non-Profit
Dover (Proposed)	**N/A**	**$ 1.00**	**$ 1.00**	**$ 1.00**	**$2,500**	**$7,500**	**$7,500**
Dover (Current)	50%	N/A	N/A	N/A	$5,000	$10,000	$10,000

Small Wind Turbines

	Not to Exceed __% of total installed costs	Residential & Non-Residential			Non-Profit			Maximum Grant		
		Cost ($/Watt) 0+ to 5kW	Cost ($/Watt) 5+kW to 10kW	Cost ($/Watt) 10+kW to 50kW	Cost ($/Watt) 0+ to 5kW	Cost ($/Watt) 5+kW to 10kW	Cost ($/Watt) 10+kW to 50kW	Residential	Non-Residential	Non-Profit
Dover (Proposed)	**N/A**	**$ 1.25**	**$ 0.75**	**$ 0.35**	**$ 1.25**	**$ 0.75**	**$ 0.35**	**$2,500**	**$2,500**	**$2,500**
Dover (Current)	33.3%	N/A	N/A	N/A	N/A	N/A	N/A	$7,500	$15,000	$15,000

Fuel Cells

	Not to Exceed __% of total installed costs	Maximum Grant		
		Residential	Non-Residential	Non-Profit
Dover (Proposed)	**20%**	**$7,500**	**$10,000**	**$10,000**
Dover (Current)	50%	$15,000	$30,000	$30,000
DEMEC recommend increasing the limit to 35% of the installed costs for Non-Profit				

Geothermal Heat Pumps System -

Dover (Proposed) - w/ Energy Efficiency Ratio (EER) ≥ 18 and Coefficient of Performance (COP) of ≥ 3.6

Dover (Current) - w/ Energy Efficiency Ratio (EER) of 15.0 and Coefficient of Performance (COP) of 3.4 or greater

	Not to Exceed __% of total installed costs	Residential & Non-Residential		Non-Profit		Maximum Grant		
		First 2 Tons ($/Ton)	Over 2 Tons ($/Ton)	First 2 Tons ($/Ton)	Over 2 Tons ($/Ton)	Residential	Non-Residential	Non-Profit
Dover (Proposed)	**N/A**	**$ 800**	**$ 700**	**$ 800**	**$ 700**	**$3,000**	**$10,000**	**$10,000**
Dover (Current)	$600 per ton or 50% of total installed costs, whichever is lower					$3,000	$20,000	$20,000

Dover (Proposed) - ELIMINATE THIS PROGRAM

Dover (Current):
Geothermal Heat Pumps System -
w/ Energy Efficiency Ratio (EER) of 14.0 and Coefficient of Performance (COP) of 3.0 or greater

	Not to Exceed __% of total installed costs	Not to Exceed For Residential	Not to Exceed for Non-Residential
Dover (Current)	$500 per ton or 50% of total installed costs, whichever is lower	$2,500	$20,000

Yellow cells are highlighting the recommended differences between Dover's program and DEMEC's recommendation.

Red text indicates the proposed changes to Dover's program.

SAMPLE GRANT CALCULATIONS

Residential Photovoltaic System - 7.5 kW or 7,500 watts			
	Watts	Incentive	Total Incentive
First 5000 watts Incentive	5,000	$1.25	$6,250.00
Second 2500 watts Incentive	2,500	$0.75	$1,875.00
Total Incentive			$8,125.00
Applicant Recieves Maximum Grant Payment			$7,500.00

Residential Solar Hot Water System			
SRCC OG-300 Energy Savings Prediction = 2968 kWh Saved Annually			
	kWh	Incentive	Total Incentive
kWh Savings	2,968	$1.00	$2,968.00
Total Incentive			$2,968.00
Applicant Recieves Maximum Grant Payment			$2,500.00

Non-Residential Photovoltaic System - 30 kW			
	Watts	Incentive	Total Incentive
First 5,000 watts Incentive	5,000	$1.25	$6,250.00
Second 5,000 watts Incentive	5,000	$0.75	$3,750.00
Greater than 10,000 watts	20,000	$0.35	$7,000.00
Total Incentive			$17,000.00
Applicant Recieves Maximum Grant Payment			$15,000.00

Residential Geothermal System - 5.0 Ton System - EER 18			
	Tons	Incentive	Total Incentive
First 2 Tons Incentive	2	$800.00	$1,600.00
Next 3 Tons Incentive	3	$700.00	$2,100.00
Total Incentive			$3,700.00
Applicant Recieves Maximum Grant Payment			$3,000.00

Non-Residential Geothermal System - 15.0 Ton System - EER 18			
	Tons	Incentive	Total Incentive
First 2 Tons Incentive	2	$800.00	$1,600.00
Next 3 Tons Incentive	13	$700.00	$9,100.00
Total Incentive			$10,700.00
Applicant Recieves Maximum Grant Payment			$10,000.00

ACTION FORM

PROCEEDING: Utility Committee	**AGENDA ITEM**:
DEPARTMENT OF ORIGIN: Public Utilities	**DATE SUBMITTED**: 1/24/11
PREPARED BY: Ron Lunt, Public Utilities Director	
SUBJECT: Retail Customer Demand Response Tariff Modification	
REFERENCE: N/A	
RELATED PROJECT: N/A	
APPROVALS: City Manager	
EXHIBITS: Redline Tariff and Proposed Final Tariff	
EXPENDITURE REQUIRED: **$** N/A **AMOUNT BUDGETED**: **$** N/A **FUNDING SOURCE (Dept./Page in CIP & Budget)**:	
TIMETABLE: N/A	
RECOMMENDED ACTION: Staff recommends the adoption of the modifications to the tariff titled *Retail Customer Demand Response* Tariff.	

BACKGROUND AND ANALYSIS

In 2009 the Federal Energy Regulatory Commission (FREC) issued Order No. 719 which attempted in part to remove barriers to demand response programs operated by Regional Transmission Organizations such as PJM Interconnection, LLC (PJM). Of specific interest to the City of Dover was a requirement that utilities selling less than four million MWh's must have the relevant electric retail regulatory authority (City Council) approve the participation of their retail customers in the program. Council affirmed this intent and created a tariff titled *Retail Customer Demand Response* to document that the City of Dover affirms participation in this program on February 22, 2010. The tenets of the PJM operated Demand Response Program (DRP) are to compensate customers that reduce their consumption during periods of tight energy supply or high usage. The reduction of load also ensures electric grid reliability and helps alleviate costs associated with new generation plants and transmission upgrades. Both of which are a concern on the Delmarva Peninsula.

As provided in the exhibits, staff is recommending that Dover, or its authorized designee, will be the only DRP authorized to administer this program in Dover electric territory. Currently staff intends to designate DEMEC as its authorized designee. The reason for the modification to a single provider is twofold: A) DEMEC solicited proposals from five different providers and the proposal selected provided the greatest return to the customer (80% return to customer, 20% retainage for operations), B) Dover could call on its customers to reduce load during local system emergencies and/or in an effort to reduce load during Dover peaks, utilizing this procedure as a local demand response program which could reduce future capacity expenses.

In calendar year 2010, nine customers participated in the DSP through various Curtailment Service Providers' that are registered with PJM. These customers will be notified of the change in the tariff and would transition into the DEMEC program within one year.

The proposed tariff has been reviewed by the City of Dover attorney, Kirk Betts, Betts and Holt, and he approves this tariff in its final form.

RETAIL CUSTOMER DEMAND RESPONSE

AVAILABILITY

The Dover Electric Utility ("Dover") or its authorized designee is the sole entity permitted to bid demand response directly into the PJM Interconnection, L.L.C. ("PJM") ("DR Program") on behalf of retail customers served by Dover. ~~Customers served by Dover that intend to bid their DR into PJM prior to that date may do so, provided that such participation conforms to the terms and conditions in this tariff.~~ No Customer may participate in a DR program of any other entity ~~unless such entity is a licensed Third Party Demand Response Provider ("DR Provider")~~unless such program is consistent with the terms and condition in this tariff and approved in advance by Dover.

Dover or its authorized designee may allow a Customer to bid DR into PJM's ancillary services market for energy imbalance, spinning reserves, supplemental reserves, reactive power and voltage control, or regulation and frequency response ancillary services, subject to the same terms and conditions.

DR programs may reduce electric service costs for the Customer, provide enhanced usage data, reduce emissions from electric generation, and provide demand flexibility.

CONTENTS OF APPLICATION

~~A~~ Customer shall submit to Dover a written request to participate that includes the following: 1) ~~Copy of DR Provider license or certification and a contract between the DR Provider and Customer; 2) Name~~ Type of the DR program; and ~~and evidence of regulatory approval; 3)~~ 2)Metering requirements for participation.~~; and 4) The DR contract must include the following provision: "This contract shall terminate without penalty on no less than one year's written notice from Dover to the Customer stating that Dover or its authorized designee will assume DR Program management."~~ Dover's approval of the application shall be granted within fourteen (14) days.

EFFECT OF APPLICATION AND PARTICIPATION IN DR PROGRAM

Dover's receipt and review of any documentation submitted by a Customer shall not constitute approval of such DR Provider or a guarantee of performance or payment by a DR Provider, nor shall Dover be liable for ANY damages sustained by the Customer.

RIGHT TO TERMINATE PARTICIPATION IN DR PROGRAM

Dover reserves the right to disapprove a request to participate in a DR program or to terminate participation by ~~a~~ Customer when, in Dover's sole discretion, Dover determines that participation by ~~the~~ Customer will be detrimental to another customer or to the City of Dover.

SPECIAL METERING REQUIREMENTS

If Customer requires special metering equipment or devices to participate in the DR program, Customer shall provide the specifications for such equipment or devices in writing to the Dover Electric Department at the time of application or promptly thereafter. Within fourteen (14) days thereafter, Dover will provide the Customer with an estimate of the cost of the special metering equipment or devices and an estimate of the cost of providing special meter reading data. The cost of any special metering equipment or device shall be the responsibility of the Customer and shall be paid prior to the scheduled installation date. All costs for data or special readings shall be billed to Customer monthly.

Effective Date: ~~*February 22, 2010*~~ _____ *, 2011*

RETAIL CUSTOMER DEMAND RESPONSE

AVAILABILITY

The Dover Electric Utility ("Dover") or its authorized designee is the sole entity permitted to bid demand response directly into the PJM Interconnection, L.L.C. ("PJM") ("DR Program") on behalf of retail customers served by Dover. No Customer may participate in a DR program of any other entity unless such program is consistent with the terms and conditions in this tariff and approved in advance by Dover.

Dover or its authorized designee may allow a Customer to bid DR into PJM's ancillary services market for energy imbalance, spinning reserves, supplemental reserves, reactive power and voltage control, or regulation and frequency response ancillary services, subject to the same terms and conditions.

DR programs may reduce electric service costs for the Customer, provide enhanced usage data, reduce emissions from electric generation, and provide demand flexibility.

CONTENTS OF APPLICATION

Customer shall submit to Dover a written request to participate that includes the following: 1) Type of DR program; and 2) Metering requirements for participation. Dover's approval of the application shall be granted within fourteen (14) days.

EFFECT OF APPLICATION AND PARTICIPATION IN DR PROGRAM

Dover's receipt and review of any documentation submitted by a Customer shall not constitute approval of such DR Provider or a guarantee of performance or payment by a DR Provider, nor shall Dover be liable for ANY damages sustained by the Customer.

RIGHT TO TERMINATE PARTICIPATION IN DR PROGRAM

Dover reserves the right to disapprove a request to participate in a DR program or to terminate participation by Customer when, in Dover's sole discretion, Dover determines that participation by Customer will be detrimental to another customer or to the City of Dover.

SPECIAL METERING REQUIREMENTS

If Customer requires special metering equipment or devices to participate in the DR program, Customer shall provide the specifications for such equipment or devices in writing to the Dover Electric Department at the time of application or promptly thereafter. Within fourteen (14) days thereafter, Dover will provide the Customer with an estimate of the cost of the special metering equipment or devices and an estimate of the cost of providing special meter reading data. The cost of any special metering equipment or device shall be the responsibility of the Customer and shall be paid prior to the scheduled installation date. All costs for data or special readings shall be billed to Customer monthly.

Effective Date: _____, 2011

ACTION FORM

PROCEEDING: Utility Committee
DEPARTMENT OF ORIGIN: City Manager's Office **DATE SUBMITTED**: 2/3/2011
PREPARED BY: Anthony J. DePrima, City Manager
SUBJECT: Amendments to Renewable Portfolio Standard (RPS) Legislation
REFERENCE:
RELATED PROJECT: N/A
REVIEWED BY: City Manager
EXHIBITS: Proposed RPS Legislation Amendment
TIMETABLE: N/A
RECOMMENDED ACTION: Mayor and Council President to write a letter in support for the RPS Legislation Amendment.

BACKGROUND AND ANALYSIS

In 2010, the Delaware Legislatures amended the Renewable Power Supply (RPS) Legislation by requiring municipally owned Electric Utilities to develop plans for including renewable power sources in their power supply portfolios by 2014. The amount of renewable power sources will have to be compatible with the standards set for Delmarva Power. By 2014 Delmarva Power will have to have 11.5% of their power from renewable sources. Then by 2025 it will be ramped up to 25%. The proposed amendment would allow municipalities to include and count conservation, energy efficiency and demand-side management programs in their RPS plans.

Staff believes that conservation, energy efficiency, and demand-side management programs are just as important as renewable energy sources. In addition, a credit for these efforts should be counted. In general these kinds of programs are more cost effective than renewable energy sources at this time.

SPONSOR: Rep. Scott

HOUSE OF REPRESENTATIVES
146th GENERAL ASSEMBLY

HOUSE BILL NO.

AN ACT TO AMEND TITLE 26 OF THE DELAWARE CODE RELATING TO RENEWABLE ENERGY PORTFOLIO STANDARDS.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF DELAWARE:

Section 1. Amend §363(a), Title 26 of the Delaware Code by adding a new sentence at the end of the subsection as follows:

"For purposes of this section, a comparable program may include eligible energy resources and energy and capacity savings which result from the implementation of conservation, energy efficiency, and demand-side programs. These units must be quantifiable through an appropriate evaluation, measurement and verification protocol and measured in Megawatt-hours of energy saved or Megawatts of capacity avoided.".

SYNOPSIS

This Act will permit municipal electric companies and rural electric cooperatives that elect to develop and implement a program comparable to the State's renewable energy portfolio standards ("RPS") to utilize conservation, energy efficiency and demand-side management programs, in addition to renewable energy resources, to achieve RPS compliance. Conservation, efficiency and demand-side management programs meet or exceed many of the positive attributes associated with renewable energy resources. Such measures are non-polluting, non-invasive to the environment, cost efficient, economically sustainable and mitigate the need for new power plant construction.

DRAFT

HD : WGB : CMG
4141460019

City of Dover
Capital Investment Plan
Project Tracking Report
December 31, 2010

Points to Remember -

* Original Project Budget = Original Total Project Budget initially included in approved annual budget.
* Latest Project Budget = Revised Total Project Budget included in most recent approved annual budget or one of the following: bond resolution, revolving fund loan agreement, Council approved budget amendment, or City Manager approved amendment as per the Budget Amendment Procedure.
* Current Fiscal Year - Revised Fiscal Year Budget = Current Year approved project budgets plus carry forward balances of unspent budgets in the prior fiscal year. Project Carry Forward balances will be submitted to City Council for amendment in January 2010. Can also be amended with City Manager approval per the Budget Amendment Procedure.
* Water Quality, Inflow/Infiltration, Distribution Upgrades and New Development projects are budgeted as a blanket project and once individual projects are identified and estimated they are created using an allocation of the overall budgeted amount.
  Examples are Water Quality - Walker Road; New Developments - CVS, McDonald's, Wawa; Distribution Upgrades - Greenview;
* Status and Comments provided by City Manager.
* For Finance purposes projects are considered completed when placed in service and **all** charges have been processed.

Current Year Budget Funding Sources	General	Community Transportation	Water & Wastewater	Electric	Total CIP
Budget Balance	$ 113,156	$ -	$ -	$ -	$ 113,156
Project Carry Forward Balances	88,083	-	953,238	850,736	2,729,628
Federal and/or State Grants	4,250,348	1,000,000	45,248	135,152	5,430,748
New Revolving Fund Loans	-	-	863,060	-	863,060
Carry Forward Construction Loan Balances	-	-	8,001,973	254,757	8,256,730
Bond Proceeds	-	-	-	415,585	415,585
Impact Fees	-	-	758,821	-	758,821
Income from Sale of Assets	-	-	-	-	-
Parkland Reserve	36,872	-	-	-	36,872
Library Reserve & Contributions	3,363,732	-	-		3,363,732
Transfer from Operating Funds	1,019,629	300,000	58,709	2,797,792	4,176,130
Interest Earned	10,900	-	-	40,700	51,600
Total Funding Sources (Unaudited)	$ 8,882,720	$ 1,300,000	$ 10,681,049	$ 4,494,722	$ 26,196,062

City of Dover
General Fund - Major CIP Projects
December, 2010

			TOTAL PROJECT - PAST, CURRENT & FUTURE BUDGETS					CURRENT FISCAL YEAR					
	Type	Description	Original Project Budget	Latest Project Budget	Project To Date Expenses	Project Budget Balance	% Budget Spent	Current Fiscal Yr. Budget	Revised Fiscal Yr. Budget	Fiscal YTD Expenses	% Budget Spent	Status	Comments
1		**FY2009**											
2	M/G	New Library Project	$ 18,200,000	$ 24,679,934	$ 1,252,237	$ 23,427,697	5.1%	$ 6,687,039	$ 7,630,663	$ 515,171	6.8%	Started	Bid Pack A - constuction started / Bid Pack B - bidding started.
3		**Totals - FY09**	$ 18,200,000	$ 24,679,934	$ 1,252,237	$ 23,427,697	5.1%	$ 6,687,039	$ 7,630,663	$ 515,171	6.8%		
4													
5		**FY2010**											
6		Pitts Center Addition	50,000	40,000	28,629	11,371	71.6%	-	36,872	25,501	69.2%	Complete	Complete.
7		**Totals - FY10**	$ 50,000	$ 40,000	$ 28,629	$ 11,371	71.6%	$ -	$ 36,872	$ 25,501	69.2%		
8													
9		**FY2011**											
10		Vehicles & Equipment	$ 63,675	$ 63,675	$ 205,564	$ (141,889)	322.8%	$ 735,185	$ 735,185	$ 205,564	28.0%	Started	Vehicles being ordered.
11		Core Law Enforcement Server Replacement	-	53,500	-	53,500	0.0%	-	53,500	-	0.0%	Started	Specifications done.
12		Playground Improv Program	-	15,000	12,952	2,048	86.3%	15,000	15,000	12,952	86.3%	Complete	BB Courts paved.
13		Skate Park	-	30,000	-	30,000	0.0%	30,000	30,000	-	0.0%	Not Started	In discussions with equipment provider
14		Concrete Program	50,000	50,000	45,759	4,241	91.5%	50,000	50,000	45,759	91.5%	Started	Complete with contractor portion.
15		Transfer to CT Fund	300,000	300,000	300,000	-	0.0%	300,000	300,000	300,000	100.0%	Started	Transfer to Com Transp Fund - December.
16		Downtown Security Cameras	31,500	31,500	-	31,500	0.0%	31,500	31,500	-	0.0%	Started	Contract signed
17		**Totals - FY11**	$ 445,175	$ 543,675	$ 564,275	$ (20,600)	103.8%	$ 1,161,685	$ 1,215,185	$ 564,275	46.4%		
18													
19		**Grand Totals**	$ 18,695,175	$ 25,263,609	$ 1,845,141	$ 23,418,468	7.3%	$ 7,848,724	$ 8,882,720	$ 1,104,947	12.4%		

Legend

M = Multi-year project - a project with a specific schedule to occur over multiple years.
R = Recurring project - a project that begins and ends each fiscal year and is re-budgeted to start over each fiscal year.
G = Grant funded project

City of Dover
Community Transportation & General Fund Street Funds - Major CIP Projects
December, 2010

			TOTAL PROJECT - PAST, CURRENT & FUTURE BUDGETS					CURRENT FISCAL YEAR					
	Type	Description	Original Project Budget	Latest Project Budget	Project To Date Expenses	Project Budget Balance	% Budget Spent	Current Fiscal Yr. Budget	Revised Fiscal Yr. Budget	Fiscal YTD Expenses	% Budget Spent	Status	Comments
1		**FY 2006**											
2	M	Lincoln Park Center	$ 400,000	$ 479,148	$ 415,223	$ 63,925	86.7%	$ 121,891	$ 121,891	$ 57,966	47.6%	Started	Ongoing.
3		**Totals**	$ 400,000	$ 479,148	$ 415,223	$ 63,925	86.7%	$ 121,891	$ 121,891	$ 57,966	47.6%		
4													
5		**FY 2007**											
6		E. Water Street Brick	$ 65,000	$ 65,000	$ -	$ 65,000	0.0%	$ 65,000	$ 65,000	$ -	0.0%		Specialty contract needed.
7		**Totals**	$ 65,000	$ 65,000	$ -	$ 65,000	0.0%	$ 65,000	$ 65,000	$ -	0.0%		
8													
9		**FY 2009**											
10		Schutte Parking Lot	$ 21,950	$ 21,950	$ -	$ 21,950	0.0%	$ 21,950	$ 21,950	$ -	0.0%		Trying to move this to Library Project if State approves.
11		Turnberry Drive	40,000	40,000	40,000	-	100.0%	40,000	40,000	40,000	100.0%		Curb work complete, paving in process.
12		**Totals**	$ 61,950	$ 61,950	$ 40,000	$ 21,950	64.6%	$ 61,950	$ 61,950	$ 40,000	64.6%		
13													
14		**FY 2011**											
15		Washington Street	$ 105,000	$ 105,000	$ 104,000	$ 1,000	99.0%	$ 105,000	$ 105,000	$ 104,000	99.0%		Complete.
16		Mitschner Road (incl. CDBG)	169,066	169,066	246,672	(77,606)	145.9%	169,066	169,066	246,672	145.9%		In progress.
17		Delaware Ave	6,250	6,250	6,250	-	100.0%	6,250	6,250	6,250	100.0%		Complete.
18		Oak Road Signage	11,875	11,875	10,375	1,500	87.4%	11,875	11,875	10,375	87.4%		Just received.
19		Street & Alley Program	300,000	300,000	175,926	124,074	58.6%	300,000	300,000	175,926	58.6%		In progress.
20		State Agreements not yet rec'd	458,968	458,968	-	458,968	0.0%	458,968	458,968	-	0.0%		Agreements have not been received.
21		**Totals**	$ 1,051,159	$ 1,051,159	$ 543,223	$ 507,936	51.7%	$ 1,051,159	$ 1,051,159	$ 543,223	51.7%		
22													
23		**Grand Totals**	$ 1,578,109	$ 1,657,257	$ 998,446	$ 658,811	60.2%	$ 1,300,000	$ 1,300,000	$ 641,189	49.3%		

Legend
M = Multi-year project - a project with a specific schedule to occur over multiple years.
R = Recurring project - a project that begins and ends each fiscal year and is rebudgeted to start over each fiscal year.

City of Dover
Water/Wastewater Improvement & Extension Fund - Major CIP Projects
December, 2010

			TOTAL PROJECT - PAST, CURRENT & FUTURE BUDGETS					CURRENT FISCAL YEAR					
	Type	Description	Original Project Budget	Latest Project Budget	Project To Date Expenses	Project Budget Balance	% Budget Spent	Approved Fiscal Yr. Budget	Revised Fiscal Yr. Budget	Fiscal YTD Expenses	% Budget Spent	Status	Comments
1		**FY 2008**											
2		South Governors Ave. Water Main Upgrade	$ 200,000	$ 200,000	$ 2,664	$ 197,336	1.3%	$ -	$ 197,336	$ -	0.0%	Complete	Done.
3	M	1.0 MG Elevated Water Storage Tower	4,196,600	2,590,000	11,062	2,578,938	0.4%	-	193,377	4,439	2.3%	Started	Selecting Tank Model & Site; FY11 = Constr.
4	M	Piney Point Well	398,800	665,000	61,414	603,586	9.2%	-	162,525	8,939	5.5%	Started	DNREC permiting; FY11 = Constr.
5	M	South Governors Ave. Sewer Main	300,000	291,000	13,561	277,439	4.7%	-	279,244	1,805	0.6%	Complete	Done.
6	M/SL	US 13 East Sanitary Sewer Interceptor	2,376,800	3,409,641	2,429,610	980,031	71.3%	-	2,335,862	1,561,448	66.8%	Complete	Functionally completed, some minor site restoration.
7		**Totals - FY08**	$ 7,472,200	$ 7,155,641	$ 2,518,311	$ 4,637,330	35.2%	$ -	$ 3,168,344	$ 1,576,631	49.8%		
8													
9		**FY2009**											
10	M/SL	Bayard Avenue	$ 590,910	$ 590,910	$ 11,288	$ 579,622	1.9%	$ -	$ 584,420	$ 4,798	0.8%	Started	Material ordered.
11	M/SL	East side N. State Street	868,707	877,596	176,913	700,683	20.2%	-	847,700	147,910	17.4%	Done	Done.
12	M/SL	Route 13 Water Main	1,058,700	1,035,898	137,256	898,642	13.2%	-	967,801	13,259	1.4%	Started	Goig to bid
13	R	Water Quality Improvements FY09	$ 2,518,317	$ 2,504,404	$ 325,457	$ 2,178,947	13.0%	$ -	$ 2,399,921	$ 165,968	19.6%	Started	
14													
15	M/SL	DE State University Pumping Station Repl.	$ 386,400	$ 386,400	$ 293,367	$ 93,033	75.9%	-	240,324	147,652	61.4%	Completed	Done.
16	M/SL	Fox Hall/Retreat Force Main Rerouting	133,100	139,245	238,789	(99,544)	171.5%	-	-	20,351	0.0%	Completed	Done. Overage covered by US 13 Interceptor.
17	M/SL	Acorn Lane Pump Station Replace.	386,400	386,400	293,209	93,191	75.9%	-	210,528	117,698	55.9%	Completed	Done.
18		**Totals - FY09**	$ 3,424,217	$ 3,416,449	$ 1,150,822	$ 2,265,627	33.7%	$ -	$ 2,850,773	$ 451,670	15.8%		
19													
20		**FY2010**											
21	R	Remote Control & Monitor Wells	$ 55,000	$ 55,000	$ 23,104	$ 31,896	42.0%	$ -	$ 31,896	$ -	0.0%	Started	Material Ordered
22	M/SL	Inflow/Infiltration Removal	1,800,000	1,799,668	6,369	1,793,299	0.4%	-	1,798,447	5,148	0.3%	Started	Pre-construction inspections ongoing.
23	M	Fox Hall Pump Station	427,900	52,000	30,286	21,714	58.2%	375,900	426,044	28,430	6.7%	Started	DNREC review.
24	M	Heatherfield Force Main Rerouting	220,400	40,000	31,511	8,489	78.8%	229,200	267,916	30,227	11.3%	Started	DNREC review.
25	I	Tar Ditch Interceptor Upgrade	518,230	518,230	7,851	510,379	1.5%	-	516,781	6,402	1.2%	Started	Reviewing design.
26		Various Pump Motor Replacements	45,248	45,248	-	45,248	0.0%	-	45,248	-	0.0%	Started	Grant approved. Ordering begun.
27		**Totals - FY10**	$ 3,066,778	$ 2,510,146	$ 99,121	$ 2,411,025	3.9%	$ 605,100	$ 3,086,332	$ 70,207	2.3%		
28													
29		**FY2011**											
30		Misc. Distribution System Upgrade	$ 60,000	$ 60,000	$ -	$ 60,000	0.0%	$ 60,000	$ 60,000	$ -	0.0%	Started	On-going as needed.
31		Wellhead Redevelopement Program	60,000	60,000	-	60,000	0.0%	60,000	60,000	-	0.0%	Started	Council for approval.
32		Water Quality Improvements	500,000	500,000	-	500,000	0.0%	500,000	500,000	250	0.1%	Not Started	See above FY09.
33	M/SL	Inflow/Infiltration Removal	500,000	500,000	-	500,000	0.0%	500,000	500,000	-	0.0%	Started	Will start after FY10 is done.
34	R	Scada Technology Equip Upgrade	82,100	82,100	43,600	38,500	53.1%	82,100	82,100	43,600	53.1%	Started	Installation starting.
35		Del State/Del Tech Force Main Rerouting	286,500	286,500	3,801	282,699	1.3%	286,500	286,500	3,801	1.3%	Done	Shifted completion to interceptor.
36		Lepore Road Pump Station Replacement	52,000	52,000	6,548	45,452	12.6%	52,000	52,000	6,548	12.6%	Started	Design with Braun..
37	R	Misc. Sewer System Improvements	35,000	35,000	35,152	(152)	100.4%	35,000	35,000	35,152	100.4%	Started	Ongoing as needed.
38		**Totals - FY11**	$ 1,575,600	$ 1,575,600	$ 89,101	$ 1,486,499	5.7%	$ 1,575,600	$ 1,575,600	$ 89,351	5.7%		
39													
40		**Grand Totals**	$ 15,538,795	$ 14,657,836	$ 3,857,355	$ 10,800,481	26.3%	$ 2,180,700	$ 10,681,049	$ 2,187,858	20.5%		

Legend
M = Multi-year project - a project with a specific schedule to occur over multiple years.
R = Recurring project - a project that begins and ends each fiscal year and is rebudgeted to start over each fiscal year.
SL = State Loan Project - construction phase is financed
I = Impact Fee Financed Project

City of Dover
Electric Improvement & Extension Fund - Major CIP Projects
December, 2010

			TOTAL PROJECT - PAST, CURRENT & FUTURE BUDGETS					CURRENT FISCAL YEAR					
	Type	Description	Original Project Budget	Latest Project Budget	Project To Date Expenses	Project Budget Balance	% Budget Spent	Current Fiscal Yr. Budget	Revised Fiscal Yr. Budget	Fiscal YTD Expenses	% Budget Spent	Status	Comments
1		**FY 2006**											
2	M/B	69 KV feeders 3 and 4	$ 11,060,000	$ 8,693,782	$ 8,761,762	$ (67,980)	100.8%	$ -	$ 4,242	$ 4,242	100.0%	Completed	In service.
3	M/S	Governor's Avenue Rebuild	1,268,450	2,068,260	550,725	1,517,535	26.6%	-	250,000	30,264	12.1%	Completed	Done.
4		**Totals - FY06**	$ 12,328,450	$ 10,762,042	$ 9,312,486	$ 1,449,556	86.5%	$ -	$ 254,242	$ 34,506	13.6%		
5													
6		**FY 2008**											
7		Unit 3 Turb Bearing Fire Protect Deluge	$ 50,000	$ 50,000	$ 44,720	$ 5,280	89.4%	$ -	$ 50,000	$ 44,720	89.4%	Completed	Final training needed.
8		**Totals - FY08**	$ 50,000	$ 50,000	$ 44,720	$ 5,280	89.4%	$ -	$ 50,000	$ 44,720	89.4%		
9													
10		**FY2010**											
11	B	Vansant CT Mark IV Control (Replmnt)	$ 700,000	$ 610,000	$ 438,687	$ 171,313	71.9%	$ -	$ 202,363	$ 152,050	75.1%	Completed	In service.
12	B	McKee Run Entrance Road	240,000	240,000	154,722	85,278	64.5%	-	154,244	154,244	100.0%	Completed	In service.
13		Work Mgmt. System Replacement	85,000	85,000	26,577	58,423	31.3%	-	-	9,859	0.0%	Completed	Done.
14		Photovoltaic Install @ McKee Run	-	-	65,065	(65,065)	0.0%	-	65,065	65,065	100.0%	Completed	In service.
15	M/B	Mid City Substation	1,488,461	993,711	975,819	17,892	98.2%	-	1,087	1,087	100.0%	Completed	In service.
16	S	LED Lighting Replacement	70,087	70,087	70,010	77	99.9%	-	70,087	70,010	99.9%	Completed	Installed on Division.
17	B	Crossgates	396,904	543,075	524,391	18,684	96.6%	-	-	1,440	0.0%	Completed	Done.
18	B	Buchanan Acres	406,000	865,144	1,207,967	(342,823)	139.6%	-	53,648	129,502	241.4%	Completed	Done. This project is over budget due to having addtiional bond proceeds to spend.
19													
20		**Totals - FY10**	$ 3,386,452	$ 3,407,017	$ 3,463,238	$ (56,221)	101.7%	$ -	$ 546,494	$ 583,257	106.7%		
21													
22		**FY2011**											
23		Vehicles & Equipment	$ 158,200	$ 158,200	$ 113,437	$ 44,763	71.7%	$ 158,200	$ 158,200	$ 113,437	71.7%	Started	Vechicles being ordered.
24		Substation PT & CT Replacement	256,218	256,218	143,653	112,565	56.1%	256,218	256,218	143,653	56.1%	Started	Material being received.
25		Replace of 69 kV Breakers	100,000	100,000	7,220	92,780	7.2%	100,000	100,000	7,220	7.2%	Completed	Installed.
26		Lighting Rehabilitation	100,000	100,000	107,644	(7,644)	107.6%	100,000	100,000	107,644	107.6%	Started	Foxhall 75% done.
27		Walker Road OH Conversion	350,511	350,511	-	350,511	0.0%	350,511	-	-	0.0%	Dropped	Funds reappropriated.
28		Engineering Misc Equipment Replmnt	40,000	40,000	24,751	15,249	61.9%	40,000	40,000	24,751	61.9%	Started	Ongoing as needed.
29		Substation Batteries	24,500	24,500	23,489	1,011	95.9%	24,500	24,500	23,489	95.9%	Started	Ongoing as needed.
30		UG Transformers	120,536	120,536	60,031	60,505	49.8%	120,536	120,536	60,031	49.8%	Started	Ongoing as needed.
31		UG Conductors	529,464	529,464	131,559	397,905	24.8%	529,464	529,464	131,559	24.8%	Started	Ongoing as needed.
32		Meters	50,000	50,000	44,224	5,776	88.4%	50,000	50,000	44,224	88.4%	Started	Ongoing as needed.
33		69kV Sub Switch Replacement	-	180,000	-	180,000	0.0%	-	180,000	-	0.0%		
34		Unit 3 Cooling Tower Fill	353,338	353,338	371,513	(18,175)	105.1%	353,338	398,338	371,513	93.3%	Completed	Done.
35		Units 1 & 2 Cooling Tower	218,730	218,730	70,280	148,450	32.1%	218,730	173,730	70,280	40.5%	Completed	Done.
36		Unit 3 Tubine Inspection	348,000	348,000	-	348,000	0.0%	348,000	-	-	0.0%	Started	Scoping.
37		Unit 3 Aux System Components	113,000	113,000	-	113,000	0.0%	113,000	-	-	0.0%	Deferred	Funding reallocated to Unit 1 repair.
38		Plant Misc Equipment Replmnt	71,000	71,000	53,912	17,088	75.9%	71,000	71,000	53,912	75.9%	Started	Ongoing as needed.
39		Unit 3 Stack Repairs	25,000	25,000	-	25,000	0.0%	25,000	-	-	0.0%	Deffered	Funding reallocated Unit 1 repair.
40		Units 1 & 2 Life Extension	276,000	276,000	23,601	252,399	8.6%	276,000	180,000	23,601	13.1%	Started	Scoping, some funding reallocated Unit 1 repair
41		Unit 1 Turbine Outage	-	-	424,747	(424,747)	0.0%	-	412,000	424,747	103.1%	Completed	Emergency repair; Budget amendment approved in Dec.
42		Unit 3 FD & ID FAN CNRL UP	45,000	45,000	-	45,000	0.0%	45,000	-	-	0.0%	Deferred	Next fiscal year.
43		Unit 3 DCS Com & Software	30,000	30,000	-	30,000	0.0%	30,000	-	-	0.0%	Deffered	Next fiscal year.
44		Unit 2 Boiler Inspection & Repair	-	175,000	102,151	72,849	58.4%	-	175,000	102,151	58.4%	Completed	Emergency repair.
45		Unit 3 Heat Expansion Joint	-	65,000	-	65,000	0.0%	-	65,000	-	0.0%	Not Started	Scheduled Spring outage.
46		Units 1 & 2 Control Modifications	-	150,000	-	150,000	0.0%	-	150,000	-	0.0%	Not Started	Scheduled Spring outage.
47		Unit 3 Gas Line Modification	-	60,000	-	60,000	0.0%	-	60,000	-	0.0%	Not Started	Scheduled Spring outage.
48		Distribution Upgrades	400,000	400,000	139,891	260,109	35.0%	400,000	400,000	139,891	35.0%	Started	Ongoing as needed.
49			$ 3,609,497	$ 4,239,497	$ 1,842,102	$ 2,397,395	43.5%	$ 3,609,497	$ 3,643,986	$ 1,842,102	50.6%		
50													
51		**Grand Totals**	$ 19,374,399	$ 18,458,556	$ 14,662,546	$ 3,796,010	79.4%	$ 3,609,497	$ 4,494,722	$ 2,504,584	55.7%		

Legend
M = Multi-year project - a project with a specific schedule to occur over multiple years.
R = Recurring project - a project that begins and ends each fiscal year and is rebudgeted to start over each fiscal year.
B = Bonded Project