

PUBLIC UTILITIES/WATER-WASTEWATER

DEPARTMENTAL VISION

In order to ensure that the City of Dover is a place where people will want to live, Public Utilities will endeavor to provide our customers with the safest and most reliable utility services at the lowest possible cost.

MAJOR PROGRAMS

WATER DISTRIBUTION / WASTEWATER TRANSMISSION

Objective: The objective of this program is to operate and maintain the water distribution and wastewater transmission system for our customers and the fire department in a courteous, timely, and accurate manner. The water division typically performs the following functions: repairing water leaks; installing new and replacing aging water services; instituting water quality programs; testing, repairing and replacing fire hydrants; flushing the water systems; inspecting meters; installing radio read components on meters; and responding to customer complaints. This division also operates and maintains the wastewater transmission and pump stations for our customers and typically performs the following functions: cleaning, inspecting, and repairing sewer mains; maintaining and repairing pump stations; and responding to complaints.

Measures:

1. Reduce the number of water quality complaints/inquiries received.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	542* complaints/inquiries received	400 complaints/inquiries received	≤350 complaints/inquiries received

*July 2006 flushing resulted in a high number of complaints due to increased demand and limited well availability (necessary well repairs).

2. Reduce the number of infrastructure failure repairs for water distribution as part of the water main upgrade and replacement project.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	26 failures reported	25 failures reported	≤20 failures reported

3. Increase the number of infrastructure failure repairs for wastewater transmission as part of the inflow/infiltration project.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	5 repairs completed	8 repairs completed	≥10 repairs completed

4. Complete water system flushing operations within published schedule (100%).

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	60 days (published)	57 days (published)	51 days (published)
Results	52 days (actual)	49 days (actual)	51 days (actual)
Results	87%	86%	100%

5. Decrease the percentage of flow sent to Kent County in relation to wastewater gallons billed by the City (Inflow/Infiltration monitoring).

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	1,735,750,000 (Kent County)	1,718,393,000 (Kent County)	1,701,209,000 (Kent County)
Results	1,467,498,000 (City of Dover)	1,482,173,000 (City of Dover)	1,496,995,000 (City of Dover)
Results	118%	116%	114%

6. Reduce overall average response time for water and sewer customer complaints.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Average response time 19 minutes	Average response time 18 minutes	Average response time ≤15 minutes

7. Increase the number of linear feet of sewer mains cleaned and maintained annually.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	851,884 linear feet of sewer mains cleaned and maintained	875,000 linear feet of sewer mains cleaned and maintained	≥900,000 linear feet of sewer mains cleaned and maintained

WATER TREATMENT AND PRODUCTION

Objective: The objective of this program is to provide the citizens of the City of Dover with safe drinking water and an adequate supply for prudent fire protection. This service will be delivered in a courteous, timely, and accurate manner by performing the following: maintaining production and treatment equipment to ensure capacity and availability; adding and adjusting chemicals daily; performing daily sampling for compliance with State and Federal regulations and guidelines to ensure customer safety; improving water aesthetics; and responding to customer concerns.

Measures:

1. Maintain an average available water production capacity of 100% of our annual production allocation.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	84.9% Average available water production capacity	89.6% Average available water production capacity	≥91.5% Average available water production capacity

2. Maintain zero violations of State and Federal regulations.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	1* violation	0 violations	0 violations

*Violation corrected in 12 days, meeting State and Federal regulations.

ENGINEERING AND INSPECTIONS – WATER / WASTEWATER

Objective: The objective of this program is to provide timely, accurate, and professional design, inspection, and evaluation of existing and proposed water/wastewater infrastructure for City personnel, developers and contractors while ensuring compliance with all applicable code requirements. Furthermore, this division is responsible for the water/wastewater Capital Improvements projects to ensure they are completed under budget and within the allocated time constraints. These efforts are performed to ensure the safety, quality, and effectiveness of the water and wastewater systems.

Measures:

1. Plan review completed within 30 days of submission (on average).

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	36 days	30 days	≤30 days

2. Inspection response within 48 hours of request (on average).

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	72 hours	60 hours	≤48 hours

3. Complete CIP projects within budget and allocated time frame.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	68% of CIP projects completed on time & within budget.	90% of CIP projects completed on time & within budget.	≥100% of CIP projects completed on time & within budget.

STRATEGIC ACCOMPLISHMENTS FOR FISCAL YEAR 2007-2008

1. **Water Quality Improvements.** The water system has had numerous water quality issues since the Department was mandated to inject chlorine into the system. To help alleviate the problem, contact chambers are being installed at each of the 13 wells to allow the chemical reaction to occur outside of the water lines and stabilize prior to entering the water system. The installation of seven contact chambers has been completed. Goal Met.
2. **Water/Wastewater Meter Reading Technology Upgrade Project.** This is a project whereby a radio-read meter-head is installed on each water meter. This is an on-going program and the measure to complete 50% of the meters change-outs has been completed. Goal Met.
3. **Inflow/Infiltration Reduction Project.** The current wastewater system experiences high volumes of wastewater during heavy rains and high water table seasons, which is an indication of a non-sealed system. Staff undertook an inflow & infiltration evaluation in February/March of 2007 for one section of the system and is developing a work plan to address this issue. Additionally, the repair of the infiltration will reduce the County wastewater fees to the utility as the wastewater flow will be reduced. The work plan and corrections are 80% complete. Goal on schedule.
4. **Install Variable Frequency Drive motors.** Wells 11, 13R, and 15 will have these motors installed to provide better control of the water system and minimize water quality issues during well start-up. Additionally the motors at White Oak Farms will be converted to VFD's to improve the wastewater pump operation. Goal on schedule for completion next fiscal year.
5. **Wellhead Redevelopment Program.** This project assesses the condition of all the wells and assists in the development of a work plan, which will assist staff in the development of a comprehensive maintenance program. Goal on schedule for completion next fiscal year.
6. **Lafferty Lane Pump Station Replacement.** This wastewater pump station has reached its useful life and needs to be replaced. Staff developed specifications and issued bids for the replacement of the pump station. No bids were received for this project, so staff will redevelop and resubmit bid specifications. Goal not met.
7. **US Route 13 Sanitary Sewer Interceptor.** A sewer line needs to be installed from near Dover Downs to the back of Lowes. This line will allow the City to pump the wastewater into a different County line to relieve the flow on a County line that is nearly at capacity. Additionally, one pump station will be immediately eliminated and converted to a gravity flow system.

Measures:

- a. Acquired needed easements. Goal Met
- b. Developed the bid documents and issued bid by April 15, 2008. Goal Met.

8. **New Well and Water Tower Siting.** Develop a hydraulic model of the water system and determine the best location for the new well and water tower, identify potential land to purchase, and begin negotiations for the purchase of the land. Goal on schedule for completion next fiscal year.
9. **Scarborough Road Interconnection.** In Fiscal Year 2007 a water line was installed near Wilmington University to interconnect with Tidewater. The equipment has been ordered and Tidewater Utilities has approved the interconnection. Goal on schedule for completion next fiscal year.

STRATEGIC OBJECTIVES FOR FISCAL YEAR 2008-2009

1. **Water/Wastewater Meter Reading Technology Upgrade Project.** This is a project whereby a radio-read meter-head is installed on each water meter. This project is a part of the Water Distribution/Wastewater Transmission program and advances the critical success factor of Cost and Revenue Efficiency.

Measure: Complete the remaining 50% of the meters.

Budget: \$147,250
\$47,250

Account: 417-6800-568.40-31
417-6900-569.40-31

2. **Inflow/Infiltration Reduction Project.** The current wastewater system experiences high volumes of wastewater during heavy rains and high water table seasons, which is an indication of a non-sealed system. Staff will investigate additional sections of the system and develop a work plan to address this issue. Repair of the infiltration will reduce the County Wastewater fees as the City's wastewater flow will be reduced. This project is a part of the Water Distribution/Wastewater Transmission program and advances the critical success factor of Cost and Revenue Efficiency.

Budget: \$275,000

Account: 417-6900-569.40-31

3. **Install Variable Frequency Drive Motors.** Wells 3, 8, & 9 will have these motors installed to provide better control of the water system and minimize water quality issues during well start-up. This project is a part of the Water program and advances the critical success factor of Cost and Revenue Efficiency.

Budget: \$124,200

Account: 417-6800-568.40-31

4. **Wellhead Redevelopment Program.** Wellheads require periodic cleaning and maintenance to ensure that they can produce the quantity of water needed. This program will provide the required maintenance on a routine basis to ensure adequate water capacity. This project is a part of the Water Distribution/Wastewater Transmission program and advances the critical success factor of Cost and Revenue Efficiency.

Budget: \$50,000

Account: 471-6800-568.40-31

5. **New Well and Water Tower Siting.** Purchase the land required for each location and begin the design phase, so a construction contract can be awarded in the following fiscal year. This project is a part of the Water Distribution/Wastewater Transmission program and advances the critical success factor of Cost and Revenue Efficiency.

Well Budget: \$195,000

Account: 417-6800-568.40-31

Storage Tank Budget: \$695,000

Account: 417-6800-560.40-31

6. **Water Quality Improvements.** The water system has had numerous water quality issues since the Department was mandated to inject chlorine into the system. To help alleviate the problem, contact chambers are being installed at each of the 13 wells to allow the chemical reaction to occur outside of the water lines and stabilize prior to entering the water system. The final six chambers will be completed in this year as well as other main replacements. This project is a part of the Water Distribution/Wastewater Transmission program and advances the critical success factor of Cost and Revenue Efficiency.

Budget: \$1,587,000

Account: 417-6800-568.40-31

7. **Wastewater Pump Station Replacements.** The Fox Hall, Delaware State University, and Acorn Lane Pumping stations need replacement, as they have reached the end of their useful life. This project will replace all three stations and reroute the Fox Hall/Retreat force main. This project is a part of the Water Distribution/Wastewater Transmission program and advances the critical success factor of Cost and Revenue Efficiency.

Budget: \$500,900

Account: 417-6900-569.40-31

8. **Wastewater Planning Update.** The Master Plan was originally developed in 1999 and due to the large growth in the area this plan, as well as the Sewer Basin Study, should be updated so the Department can identify system improvements.

Budget: \$200,000

Account: 412-6900-569.30-29

9. **US Route 13 Sanitary Sewer Interceptor.** A sewer line needs to be installed from near Dover Downs to the back of Lowes. This line will allow the City to pump the wastewater into a different County line to relieve the flow on a County line that is nearly at capacity. Additionally one pump station will be immediately eliminated and converted to a gravity flow system.

Measures:

- a. Award the construction contract to complete the installation of this project.
- b. Monitor and inspect contractor to complete the project according to design.

Budget: \$3,065,000

Account: 417-6900-569.40-31

WATER AND WASTEWATER RATES						
Per 1,000 Gallons (Existing)						
YEAR	CONSUMPTION (GALLONS)	WATER		WASTEWATER		WASTEWATER ADJUSTMENT
		IN CITY	OUT OF CITY	IN CITY	OUT OF CITY	ALL USERS
1998-99	Up to 200,000	1.90	2.85	1.21	1.81	1.68
	200,001 - 400,000	1.75	2.63	1.21	1.81	1.68
	400,001 - 600,000	1.65	2.48	1.21	1.81	1.68
	600,001 or more	1.60	2.40	1.21	1.81	1.68
1999-00	Up to 200,000	1.90	2.85	1.41	2.12	1.68
	200,001 - 400,000	1.75	2.63	1.41	2.12	1.68
	400,001 - 600,000	1.65	2.48	1.41	2.12	1.68
	600,001 or more	1.60	2.40	1.41	2.12	1.68
2000-01	Up to 200,000	1.90	2.85	1.41	2.12	1.68
	200,001 - 400,000	1.75	2.63	1.41	2.12	1.68
	400,001 - 600,000	1.65	2.48	1.41	2.12	1.68
	600,001 or more	1.60	2.40	1.41	2.12	1.68
2001-02	Up to 200,000	1.90	2.85	1.41	2.12	1.85
	200,001 - 400,000	1.75	2.63	1.41	2.12	1.85
	400,001 - 600,000	1.65	2.48	1.41	2.12	1.85
	600,001 or more	1.60	2.40	1.41	2.12	1.85
2002-03	Up to 200,000	2.35	3.53	1.65	2.48	1.85
	200,001 - 400,000	2.20	3.30	1.65	2.48	1.85
	400,001 - 600,000	2.10	3.15	1.65	2.48	1.85
	600,001 or more	2.05	3.08	1.65	2.48	1.85
2003-04	Up to 200,000	2.35	3.53	1.65	2.48	1.85
	200,001 - 400,000	2.20	3.30	1.65	2.48	1.85
	400,001 - 600,000	2.10	3.15	1.65	2.48	1.85
	600,001 or more	2.05	3.08	1.65	2.48	1.85
2004-05	All consumption levels	2.35	3.53	1.90	2.85	1.85
2005-06	All consumption levels	2.45	3.68	2.10	3.15	2.13
2006-07	All consumption levels	2.45	3.68	2.10	3.15	2.13
2007-08	All consumption levels	2.45	3.68	2.10	3.15	2.34
2008-09	All consumption levels	2.45	3.68	2.10	3.15	2.34

NOTE: The wastewater adjustment rate increased in Fiscal Year 2008 from \$2.13/1,000 gallons to \$2.34/1,000 gallons.

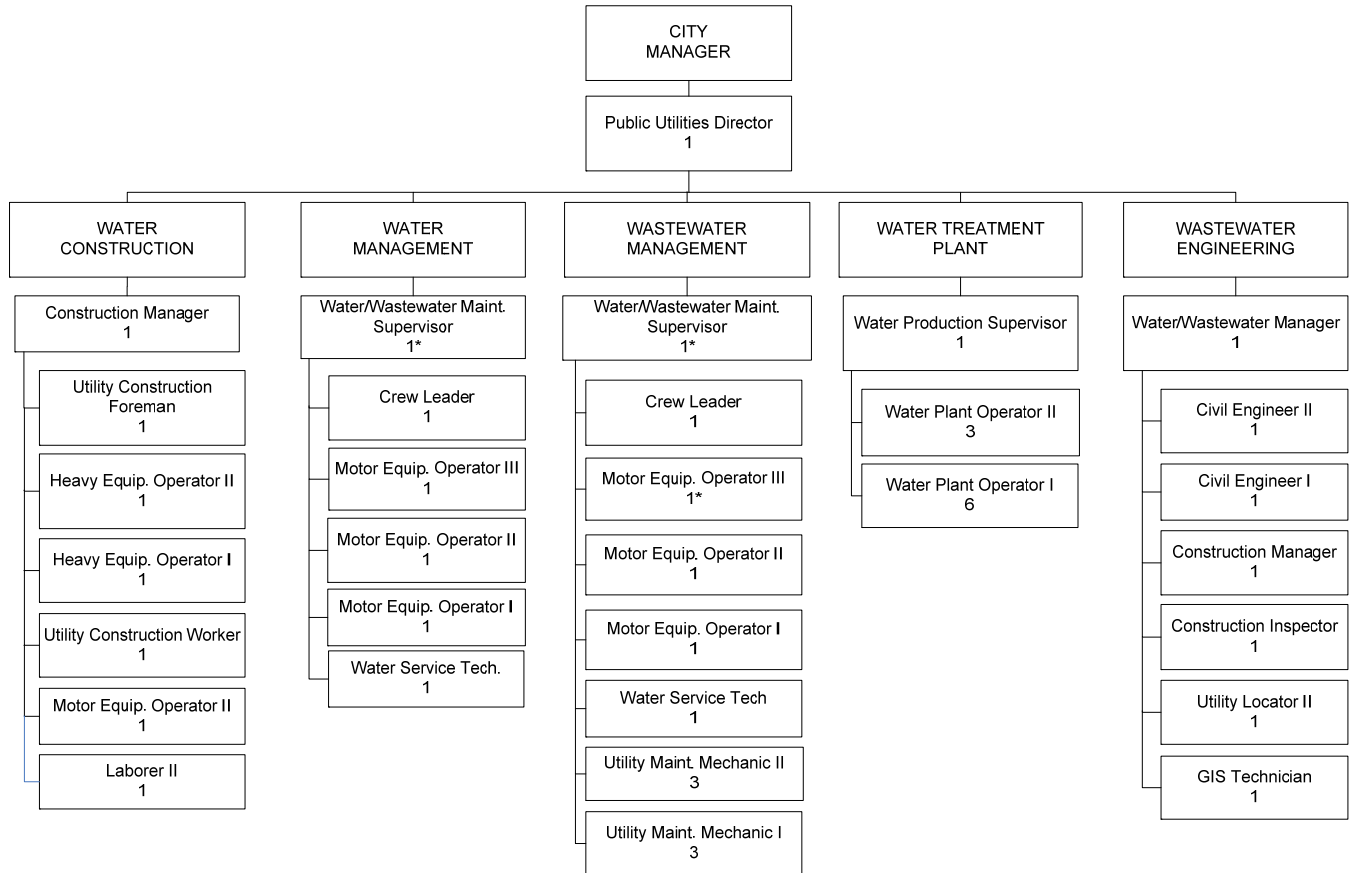
TYPICAL WATER/SEWER BILL (7,000 gallons per month)				
YEAR	WATER	SEWER	SEWER ADJUSTMENT	TOTAL COST
1994-95	10.71	8.47	11.06	30.24
1995-96	13.30	8.47	11.06	32.83
1996-97	13.30	8.47	11.06	32.83
1997-98	13.30	8.47	11.76	33.53
1998-99	13.30	8.47	11.76	33.53
1999-00	13.30	9.87	11.76	34.93
2000-01	13.30	9.87	11.75	34.93
2001-02	13.30	9.87	12.95	36.12
2002-03	16.45	11.55	12.95	40.95
2003-04	16.45	11.55	12.95	40.95
2004-05	16.45	13.30	12.95	42.70
2005-06	* 18.40	* 15.95	14.91	49.62
2006-07	* 18.40	* 15.95	14.91	49.62
2007-08	* 18.40	* 15.95	16.38	50.73
2008-09	* 18.40	* 15.95	16.38	50.73

* Includes a \$1.25 per month customer charge.

WASTEWATER FLOW TO KENT COUNTY			
YEAR	FLOW (x1,000)	AVERAGE COST (PER 1,000)	TOTAL COST
1994-95	1,419,855	1.58	2,243,371
1995-96	1,746,745	1.58	2,759,857
1996-97	2,033,335	1.68	3,416,003
1997-98	1,574,257	1.68	2,644,751
1998-99	1,349,319	1.68	2,266,856
1999-00	1,511,721	1.68	2,539,691
2000-01	1,563,672	1.68	2,626,969
2001-02	1,567,500	1.85	2,899,875
2002-03	1,860,768	1.85	3,442,420
2003-04	2,069,886	1.85	3,829,289
2004-05	1,869,780	1.85	3,459,093
2005-06	1,721,156	2.13	3,666,062
2006-07	1,808,920	2.13	3,853,000
2007-08	1,735,750	2.34	4,061,655
2008-09	1,557,449	2.34	3,644,430

NOTE: 1996-97 Cost reflects change in billing procedures and heavy rains.
 1998-99 Cost reflects extremely dry weather conditions.
 2003-04 Cost reflects extremely wet weather conditions.

PUBLIC UTILITIES/WATER-WASTEWATER ORGANIZATION CHART FISCAL YEAR 2009



WASTEWATER MANAGEMENT

412/417-6900-569

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	274,886	344,656	306,681	392,757
10-12	OVERTIME	20,552	18,216	18,216	23,950
10-14	FICA TAXES	22,559	27,565	24,570	31,550
10-15	HEALTH INSURANCE	53,071	75,976	58,739	91,228
10-16	L I D INSURANCE	1,587	1,965	1,644	2,261
10-17	WORKERS COMPENSATION	11,984	12,339	11,027	16,920
10-18	EDUCATIONAL ASSISTANCE	-	-	-	1,000
10-19	PENSION	57,567	85,565	69,222	91,729
10-20	OPEB	-	-	-	9,819
	PERSONNEL COSTS	442,206	566,282	490,099	661,214
20-21	FURNITURE/FIXTURES	367	150	150	150
20-22	OFFICE SUPPLIES	178	-	-	-
20-23	PRINTING AND DUPLICATING	25	2,308	500	-
20-26	PROGRAM EXPENSES/SUPPLIES	4,205	5,150	-	-
20-28	MEDICAL SUP & PHYSICALS	279	763	763	3,743
20-29	UNIFORMS/UNIFORM ALLOW	3,486	4,550	4,550	3,887
20-32	SECURITY/SAFETY MATERIALS	3,297	11,715	28,715	8,424
20-33	SMALL TOOLS	7,222	16,451	16,451	10,250
20-35	CHEMICALS & ADDITIVES	1,449	8,107	5,107	4,500
20-46	CITY BLDG MAINT SUPPLIES	52	3,831	3,831	1,500
20-51	WATER/SEWER SYSTEM SUP	10,926	30,000	17,000	16,152
20-52	TAPS	-	13,906	-	-
20-53	METERS/METER SUPPLIES	493	2,830	2,830	7,800
20-54	PUMPING STATION SUPPLIES	26,528	40,000	35,000	35,000
20-58	WATER/SEWER	749	1,591	1,000	1,200
	MATERIALS & SUPPLIES	59,256	141,352	115,897	92,606
30-21	TELEPHONE/FAX	3,650	3,343	3,343	3,650
30-23	ELECTRICITY	148,457	172,000	150,000	155,900
30-27	SUBSCRIPTIONS AND DUES	54	178	55	56
30-28	TRAINING/CONF/FOOD/TRAVEL	23	212	212	7,500
30-29	CONSULTING FEES	3,144	205,150	75,150	219,500
30-31	CONTRACTUAL SERVICES	52,703	45,000	45,000	47,705
30-44	AGENCY BILLING-TEMP HELP	4,960	-	-	-
30-62	GASOLINE	21,990	20,600	23,600	23,100
30-64	TRUCK REPAIRS/MAINTENANCE	2,055	1,800	1,800	6,000
30-65	MAINT EQUIP REPAIRS/MAINT	312	2,000	1,200	1,200
30-67	RADIO REPAIRS/MAINTENANCE	1,030	1,220	1,470	4,110
	ADMINISTRATIVE EXPENDITURES	238,378	451,503	301,830	468,721

WASTEWATER MANAGEMENT

412/417-6900-569

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
40-23	TRUCKS - PURCHASE	12,120	47,200	47,200	210,000
40-25	OTHER EQUIP - PURCHASE	4,551	45,900	45,900	-
40-31	CONSTRUCTION - PURCHASE	510,287	1,073,150	883,381	4,064,750
40-35	SEWER LINES	568,803	330,000	30,000	357,400
40-42	LEASED EQUIP & VEHICLES	4,723	-	-	-
	CAPITAL OUTLAY	1,100,484	1,496,250	1,006,481	4,632,150
	TOTAL EXPENDITURES	1,840,324	2,655,387	1,914,307	5,854,691
	REVENUES:				
	WATER/WASTEWATER FUND	739,840	1,159,137	907,826	1,222,541
	WATER/WASTEWATER IMPROVEMENT & EXTENSION FUND	1,100,484	1,496,250	1,006,481	4,632,150
	PERSONNEL:				
	FULL-TIME EQUIVALENT	11.0	11.0	11.0	11.0

WATER CONSTRUCTION

412/417-5600-556

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	297,821	302,218	283,122	272,076
10-12	OVERTIME	5,037	6,521	6,521	7,000
10-14	FICA TAXES	22,510	23,006	21,916	20,943
10-15	HEALTH INSURANCE	65,679	60,675	66,743	69,942
10-16	L I D INSURANCE	1,714	1,657	1,376	1,622
10-17	WORKERS COMPENSATION	10,883	9,502	8,792	11,331
10-19	PENSION	61,627	67,043	66,676	67,189
10-20	OPEB	-	-	-	6,802
	PERSONNEL COSTS	465,271	470,622	455,146	456,905
20-21	FURNITURE/FIXTURES	175	-	-	125
20-22	OFFICE SUPPLIES	137	-	-	-
20-28	MEDICAL SUP & PHYSICALS	-	25	25	1,950
20-29	UNIFORMS/UNIFORM ALLOW	2,229	3,429	3,429	1,550
20-32	SECURITY/SAFETY MATERIALS	4,797	2,700	2,700	2,675
20-33	SMALL TOOLS	4,411	4,595	4,595	10,385
20-37	COMPUTER SOFTWARE	-	300	300	175
20-38	COMPUTER HARDWARE	-	-	-	1,800
20-46	CITY BLDG MAINT SUPPLIES	722	544	544	400
20-58	WATER/SEWER	110	100	100	130
	MATERIALS & SUPPLIES	12,581	11,693	11,693	19,190
30-21	TELEPHONE/FAX	1,010	1,200	600	640
30-23	ELECTRICITY	1,756	1,900	2,400	2,500
30-24	HEATING OIL/GAS	1,390	2,500	2,500	2,625
30-27	SUBSCRIPTIONS AND DUES	107	110	110	110
30-28	TRAINING/CONF/FOOD/TRAVEL	90	100	-	100
30-31	CONTRACTUAL SERVICES	36	3,500	2,000	2,500
30-62	GASOLINE	20,550	18,540	18,540	19,470
30-64	TRUCK REPAIRS/MAINTENANCE	3,546	500	500	500
30-66	OTHER EQUIP REPAIRS/MAINT	9,338	10,000	10,000	9,184
30-67	RADIO REPAIRS/MAINTENANCE	936	930	930	2,370
	ADMINISTRATIVE EXPENDITURES	38,759	39,280	37,580	39,999
40-23	TRUCKS - PURCHASE	-	32,450	29,082	-
40-25	OTHER EQUIP - PURCHASE	-	7,000	10,368	29,000
	CAPITAL OUTLAY	-	39,450	39,450	29,000
	TOTAL EXPENDITURES	516,611	561,045	543,869	545,094
	REVENUES:				
	WATER/WASTEWATER FUND	516,611	521,595	504,419	516,094
	WATER/WASTEWATER IMPROVEMENT & EXTENSION FUND	-	39,450	39,450	29,000
	PERSONNEL:				
	FULL-TIME EQUIVALENT	8.0	7.0	7.0	7.0

WATER MANAGEMENT

412/417-6800-568

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	198,721	247,002	240,258	192,371
10-12	OVERTIME	14,916	10,453	10,453	5,350
10-14	FICA TAXES	16,149	19,571	18,995	14,814
10-15	HEALTH INSURANCE	47,142	66,732	57,322	50,526
10-16	L I D INSURANCE	1,228	1,501	1,473	1,167
10-17	WORKERS COMPENSATION	8,663	8,754	8,765	8,028
10-19	PENSION	38,916	57,301	52,389	46,451
10-20	OPEB	-	-	-	4,809
	PERSONNEL COSTS	325,735	411,314	389,655	323,516
20-21	FURNITURE/FIXTURES	367	150	150	-
20-22	OFFICE SUPPLIES	207	-	-	-
20-23	PRINTING AND DUPLICATING	3,453	2,475	2,475	2,400
20-26	PROGRAM EXPENSES/SUPPLIES	4,384	5,150	-	-
20-28	MEDICAL SUP & PHYSICALS	279	293	293	3,515
20-29	UNIFORMS/UNIFORM ALLOW	1,292	2,025	2,025	1,695
20-31	BOOKS	-	206	206	200
20-32	SECURITY/SAFETY MATERIALS	3,072	4,166	4,166	4,125
20-33	SMALL TOOLS	7,423	8,849	8,849	7,250
20-37	COMPUTER SOFTWARE	-	-	-	2,000
20-46	CITY BLDG MAINT SUPPLIES	296	2,139	2,139	-
20-49	WELLS SUPPLIES/REHAB	15,943	24,676	24,676	-
20-51	WATER/SEWER SYSTEM SUP	53,238	52,846	45,000	44,557
20-52	TAPS	-	6,953	-	-
20-53	METERS/METER SUPPLIES	1,642	2,830	7,980	7,000
20-58	WATER/SEWER	99	134	134	-
	MATERIALS & SUPPLIES	91,695	112,892	98,093	72,742
30-21	TELEPHONE/FAX	3,651	3,058	4,200	4,740
30-23	ELECTRICITY	290,256	355,000	325,000	-
30-25	ADVERTISEMENT	15,340	15,000	15,000	15,000
30-27	SUBSCRIPTIONS AND DUES	2,184	2,148	2,148	2,505
30-28	TRAINING/CONF/FOOD/TRAVEL	1,089	1,950	1,950	1,500
30-29	CONSULTING FEES	2,138	-	-	17,500
30-31	CONTRACTUAL SERVICES	62,941	39,860	39,860	38,092
30-44	AGENCY BILLING-TEMP HELP	4,960	-	-	-
30-62	GASOLINE	12,754	12,400	16,000	16,800
30-64	TRUCK REPAIRS/MAINTENANCE	745	1,030	1,030	1,000
30-65	MAINT EQUIP REPAIRS/MAINT	291	1,030	1,030	800
30-67	RADIO REPAIRS/MAINTENANCE	1,155	1,293	1,293	2,374
	ADMINISTRATIVE EXPENDITURES	397,504	432,769	407,511	100,311

WATER MANAGEMENT

412/417-6800-568

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
40-23	TRUCKS - PURCHASE	11,784	254,226	161,276	-
40-25	OTHER EQUIP - PURCHASE	4,551	45,900	45,900	-
40-31	CONSTRUCTION - PURCHASE	81,984	1,682,350	1,847,967	2,798,450
40-34	WATER LINES	344,159	255,000	41,714	260,000
40-42	LEASED EQUIP & VEHICLES	4,723	-	-	-
	CAPITAL OUTLAY	447,201	2,237,476	2,096,857	3,058,450
	TOTAL EXPENDITURES	1,262,135	3,194,451	2,992,116	3,555,019
	REVENUES:				
	WATER/WASTEWATER FUND	814,934	956,975	895,259	496,569
	WATER/WASTEWATER IMPROVEMENT & EXTENSION FUND	447,201	2,237,476	2,096,857	3,058,450
	PERSONNEL:				
	FULL-TIME EQUIVALENT	5.0	5.0	5.0	5.0

WATER TREATMENT PLANT 412/417-7600-576

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	373,335	390,639	420,127	412,956
10-12	OVERTIME	3,273	9,315	4,837	-
10-14	FICA TAXES	28,130	29,934	32,003	31,065
10-15	HEALTH INSURANCE	76,431	89,299	80,990	91,228
10-16	L I D INSURANCE	1,849	2,004	2,107	2,347
10-17	WORKERS COMPENSATION	15,286	13,600	14,333	16,766
10-19	PENSION	72,015	84,431	88,721	84,364
10-20	OPEB	-	-	-	10,324
	PERSONNEL COSTS	570,319	619,222	643,118	649,050
20-21	FURNITURE/FIXTURES	108	165	165	170
20-22	OFFICE SUPPLIES	8	-	-	-
20-23	PRINTING AND DUPLICATING	-	1,450	1,450	1,830
20-25	CUSTODIAL	229	423	423	250
20-28	MEDICAL SUP & PHYSICALS	-	345	345	1,950
20-29	UNIFORMS/UNIFORM ALLOW	2,461	4,759	4,759	3,786
20-31	BOOKS	-	363	16	189
20-32	SECURITY/SAFETY MATERIALS	2,168	3,762	3,762	2,670
20-33	SMALL TOOLS	4,846	5,118	5,118	4,500
20-35	CHEMICALS & ADDITIVES	106,084	118,671	118,671	120,999
20-37	COMPUTER SOFTWARE	-	5,000	5,000	175
20-38	COMPUTER HARDWARE	-	3,540	3,540	-
20-46	CITY BLDG MAINT SUPPLIES	1,152	3,910	2,910	2,000
20-49	WELL SUPPLIES/REHAB	-	-	-	10,500
	MATERIALS & SUPPLIES	117,056	147,506	146,159	149,019
30-21	TELEPHONE/FAX	546	909	500	510
30-23	ELECTRICITY	85,150	99,215	95,000	394,170
30-24	HEATING OIL/GAS	3,598	5,562	4,500	4,800
30-25	ADVERTISEMENT	-	22	22	-
30-27	SUBSCRIPTIONS AND DUES	300	840	840	810
30-28	TRAINING/CONF/FOOD/TRAVEL	200	1,125	6,125	3,000
30-31	CONTRACTUAL SERVICES	8,265	40,597	30,597	151,934
30-62	GASOLINE	8,221	10,818	9,500	9,700
30-64	TRUCK REPAIRS/MAINT	13	309	309	200
30-66	OTHER EQUIP REPAIRS/MAINT	11,452	41,567	26,567	13,000
30-67	RADIO REPAIRS/MAINTENANCE	403	365	365	1,075
	ADMINISTRATIVE EXPENDITURES	118,148	201,329	174,325	579,199
40-23	TRUCKS - PURCHASE	30,061	17,700	18,150	-
	CAPITAL OUTLAY	30,061	17,700	18,150	-
	TOTAL EXPENDITURES	835,584	985,757	981,752	1,377,268
	REVENUES:				
	WATER/WASTEWATER FUND	805,523	968,057	963,602	1,377,268
	WATER/WASTEWATER IMPROVEMENT & EXTENSION FUND	30,061	17,700	18,150	-
	PERSONNEL:				
	FULL-TIME EQUIVALENT	9.0	10.0	10.0	10.0

WATER/WASTEWATER ENGINEERING

412/417-2600-553

(formerly 110-2600-553)

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	187,411	353,040	375,702	442,467
10-12	OVERTIME	3,322	16,230	13,020	-
10-14	FICA TAXES	14,293	27,970	27,970	33,304
10-15	HEALTH INSURANCE	24,679	76,483	60,504	73,775
10-16	L I D INSURANCE	1,062	1,722	2,257	2,767
10-17	WORKERS COMPENSATION	3,513	7,244	3,939	7,349
10-18	EDUCATIONAL ASSISTANCE	-	-	-	150
10-19	PENSION	37,247	97,758	78,923	89,225
10-20	OPEB	-	-	-	11,062
	PERSONNEL COSTS	271,527	580,447	562,315	660,099
20-21	FURNITURE/FIXTURES	720	3,500	1,100	150
20-22	OFFICE SUPPLIES	1,112	-	-	-
20-23	PRINTING AND DUPLICATING	279	789	789	-
20-24	PHOTOGRAPHIC	-	450	450	-
20-27	TRAFFIC/SIGNAL	22,332	-	-	-
20-28	MEDICAL SUP & PHYSICALS	-	-	-	3,065
20-29	UNIFORMS/UNIFORM ALLOW	288	974	974	555
20-31	BOOKS	99	450	450	450
20-32	SECURITY/SAFETY MATERIALS	1,274	2,224	1,024	2,700
20-33	SMALL TOOLS	666	6,639	3,439	450
20-37	COMPUTER SOFTWARE	2,692	18,234	18,234	15,231
20-38	COMPUTER HARDWARE	-	12,400	12,400	-
	MATERIALS & SUPPLIES	29,462	45,660	38,860	22,601
30-21	TELEPHONE/FAX	2,922	5,096	5,096	3,450
30-25	ADVERTISEMENT	-	50	50	-
30-27	SUBSCRIPTIONS AND DUES	541	1,442	1,442	1,491
30-28	TRAINING/CONF/FOOD/TRAVEL	1,485	4,338	4,338	10,533
30-29	CONSULTING FEES	1,755	-	-	-
30-31	CONTRACTUAL SERVICES	4,358	1,500	-	-
30-39	IN-HOUSE TRAINING	-	-	-	1,950
30-62	GASOLINE	2,680	7,400	3,000	3,150
30-64	TRUCK REPAIRS/MAINTENANCE	-	160	160	500
30-67	RADIO REPAIRS/MAINTENANCE	-	371	371	1,811
	ADMINISTRATIVE EXPENDITURES	13,741	20,357	14,457	22,885
40-23	TRUCKS - PURCHASE	-	52,000	48,450	15,445
	CAPITAL OUTLAY	-	52,000	48,450	15,445
	TOTAL EXPENDITURES	314,730	698,464	664,082	721,030
	REVENUES:				
	GENERAL FUND	314,730	646,464	615,632	705,585
	WATER/WASTEWATER IMPROVEMENT & EXTENSION FUND	-	52,000	48,450	15,445
	PERSONNEL:				
	FULL-TIME EQUIVALENT	8.0	8.0	8.0	8.0

PUBLIC UTILITIES/ELECTRIC

DEPARTMENTAL VISION

The Public Utilities division works jointly with all City departments to provide superb and reliable service at the most economical cost to the customer; thereby, providing the necessities for making Dover a comfortable and safe community.

MAJOR PROGRAMS

ADMINISTRATION

Objective: This program provides the overall administration to the Public Utilities divisions. Additionally, this program administers the electric generating plant’s operation and maintenance contract and the electric system purchase power contract.

Measures:

1. Manage the Electric Operating Agreements within the defined parameters for upcoming fiscal years.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Completed the Operating Agreement with PACE Global Asset Management.	Monitored Operating Agreement with PACE Global.	Continue monitoring the Operating Agreement with PACE Global.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Completed the Operating Agreement with North American Energy Services (NAES).	Monitored Operating Agreement with NAES.	Continue monitoring the Operating Agreement with NAES and determine if there should be a contract extension by December 31.

DESIGN AND ENGINEERING - ELECTRIC

Objective: The objective of this program is to design and engineer, map, oversee the proper installation of the City’s infrastructure, and to provide specifications to internal staff, contractors, and developers in a timely and professional manner.

Measure: Monitor and track the designs and specifications of construction projects. The target time is four weeks from receiving approved site plans and load sheets.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Met goal by maintaining a three-week turn around time from customer request to preparation and delivery of a finalized design package.	Met goal by maintaining a three-week turn around time from customer request to preparation and delivery of a finalized design package	Goal is to maintain a three-week turn around.

Measure: Monitor and evaluate system infrastructure to ensure system loading does not exceed capacity.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Currently recruiting Electrical Engineer for completing this measure.	Hired a recent University Graduate to fill the position. Currently training for this task.	Develop a comprehensive ten Year System Load Model.

CONSTRUCTION, MAINTENANCE, AND REPAIR

Objective: The objective of this program is to operate this system in accordance with recognized prudent utility practices; which will result in the reduction of power interruptions and ensure the safest operation of the electric system.

Measures:

1. Reduce electric power interruptions through an on-going tree trimming program.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Trimmed 1,947 trees and removed 703 trees.	Trimmed over 1,800 trees and removed 700 trees.	Trim over 1,800 trees and remove 700 trees.

2. Reduce electric power interruptions through a five-year pole testing and repair program (2002 through 2008). This program identifies internal decayed utility poles that otherwise would not be detected, thereby preventing power interruptions.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Tested 900 distribution poles (19 replaced).	Tested 450 distribution poles (the amount to be replaced, yet to be determined).	Program will resume in 2012.

3. Reduce electric power interruptions through an annual infrared testing program.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Tested all three-phase lines, equipment, and substations. Discovered/repared 147 hot spots on transmission and distribution lines. Discovered/repared 11 hot spots in seven substations.	Tested all three-phase lines equipment, and substations. Discovered 46 hot spots on transmission and distribution lines. Discovered 12 hot spots in eight substations.	Test all three-phase lines, equipment, and substations.

4. Reduce electric power interruptions through an annual substation oil testing program.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Tested 156 pieces of substation associated equipment. Discovered 34 items that required service/repair.	Tested 145 pieces of substation associated equipment. Completed service/repair recommended by test results.	Test 140 pieces of substation associated equipment. Complete service/repair recommended by test results.

SYSTEM OPERATIONS

Objective: The Operations Center will monitor, calculate, and investigate controllable electric outages to improve system reliability and customer service. Monitor and process all environmental affairs.

Measure: Track response time to assure customer satisfaction.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	42 controllable outages; average response time was 33 minutes; average number of served customers – 21,088.	41 controllable outages; average response time of less than 30 min; average number of served customers – 22,000.	≤40 controllable outages; average response time of less than 30; average number of served customers – 22,000.

TRAINING

Objective: The objective of this program is to educate and train all employees in current standards for professional, personal, and public safety to improve employee and administrative support and knowledge.

Measure: Provide mandatory universal safety/security training as mandated by federal, state, and local regulations.

	2006-2007 Actual	2007-2008 Actual	2008-2009 Projected
Results	Provided all employees with an in-house CPR course.	Provided all employees with an in-house CPR refresher course. All employees attend NIMS training.	Provide all employees with an in-house CPR course and defensive driving class.

STRATEGIC ACCOMPLISHMENTS FOR FISCAL YEAR 2007-2008

1. **Change the remaining one third of the mechanical electric meters to radio read electric meters.** This is an ongoing program and the schedule of change-outs for Fiscal Year 2008 has been completed. Goal Met.
2. **Construct 69 Kv Feeders 3 & 4 (Phase I).** These are new transmission lines that will be constructed from the Cartanza Substation to the St. Jones Substation. This phase will not electrically connect with the current transmission system; however, once Phase II is completed, these lines will increase the internal transmission capacity to serve the City’s load and provide a geographically diverse path from the current lines.

Measures:

- a. Secured all materials by June 1, 2008. Goal Met.
- b. Construction began in May 2008. Goal on Schedule.

3. **Construct 69 Kv Feeders 3 & 4 (Phase II).** This Phase will complete the line from the St. Jones Substation and will interconnect with the current transmission system near the intersection of Fulton and West Street.

Measures:

- a. Design Phase II of Feeder 3 & 4, acquire rights-of-way and complete permitting by July 1, 2008. Goal Met.
- b. Begin procuring materials in the spring of 2008. Goal Met.
- c. Contract to be awarded in August of 2008. Goal on Schedule.

4. **Rebuild St. Jones Substation in coordination with Feeders 3 & 4.** This project will require the demolition of the current substation and construction of a new substation/switchyard at the current location.

Measures:

- a. Completed 50% of the design of the new substation by the end of the Fiscal Year. Goal Met.
- b. Begin procuring materials in the Spring of 2008. Goal Met
- c. Contract to be awarded in August of 2008. Goal on schedule.

5. **Complete the replacement of the Lebanon transformer.** The current transformer has exceeded its useful life and a new transformer was ordered last fiscal year. The new transformer has been installed. Goal Met.

6. **Transmission relaying, replacement and calibrations.** Completed the upgrade of all transmission line relays to microprocessor based protection scheme. This will improve the reliability of the transmission system and minimize transmission outages. This project is scheduled to be completed in the summer of 2008. Goal Met.

7. **Mayfair Substation Conversion.** Completed the re-building and transmission voltage conversion of Mayfair Substation. The existing transformer had reached its useful life and needed to be converted to the 69kv transmission system. Goal Met.

8. **College Road Distribution Substation.** There is not enough substation capacity in the northern section of the electric system to provide redundant service and serve future growth related load. This substation is being built to address this shortfall. The installation of this Substation was scheduled to be completed by the end of the Fiscal Year; however, the long delivery schedule of the switchgear may slightly delay project. Goal Delayed.

9. **Governors Avenue Rebuild.** Working in coordination with the State of Delaware for the re-building of Governors Avenue infrastructure. This includes the conversion of the electric system from overhead to underground, the installation of new water lines, and replacement/repair of the wastewater system. Work began in June 2008. Goal on Schedule.

10. **Blue Light Security Program.** This project will engineer and install four blue light emergency call boxes at City park locations. Three Blue Lights were installed in Fiscal Year 2008. Two are located at the White Oak Park (one near the playground and one near the back softball field). The last Blue Light was installed and activated at Schutte Park. Goal Met.

STRATEGIC OBJECTIVES FOR FISCAL YEAR 2008-2009

1. **Construct 69 Kv Feeders 3 & 4 (Phase I).** These are new transmission lines that will be constructed from the Cartanza Substation to the St. Jones Substation. This phase will not electrically connect with the current transmission system; however, once Phase II is completed, these lines will increase the internal transmission capacity to serve the City's load and provide a geographically diverse path from the current lines. This project is a part of the Construction, Maintenance and Repair program and advances the critical success factors of Cost and Revenue Efficiency.

Measures:

- a. Complete construction contract by October 31, 2008.

2. **Construct 69 Kv Feeders 3 & 4 (Phase II).** This Phase will complete the line from the St. Jones Substation and will interconnect with the current transmission system near the intersection of Fulton and West Street. This project is a part of the Construction, Maintenance and Repair program and advances the critical success factors of Cost and Revenue Efficiency.

Measures:

- a. Complete procurement of materials by October 1, 2008.
- b. Complete project by January 31, 2009.

3. **Rebuild the St. Jones Substation in coordination with Feeders 3 & 4.** This project will require the demolition of the current substation and construction of a new substation/switchyard at the current location. This project is a part of the Construction, Maintenance and Repair program and advances the critical success factors of Cost and Revenue Efficiency.

Measures:

- a. Complete the design of the new substation by April 1, 2009.
- b. Complete the procurement of materials by April 1, 2009.
- c. Complete the project by June 15, 2009.

Budget: \$3,956,820**Account:** 487-8300-563.90-26

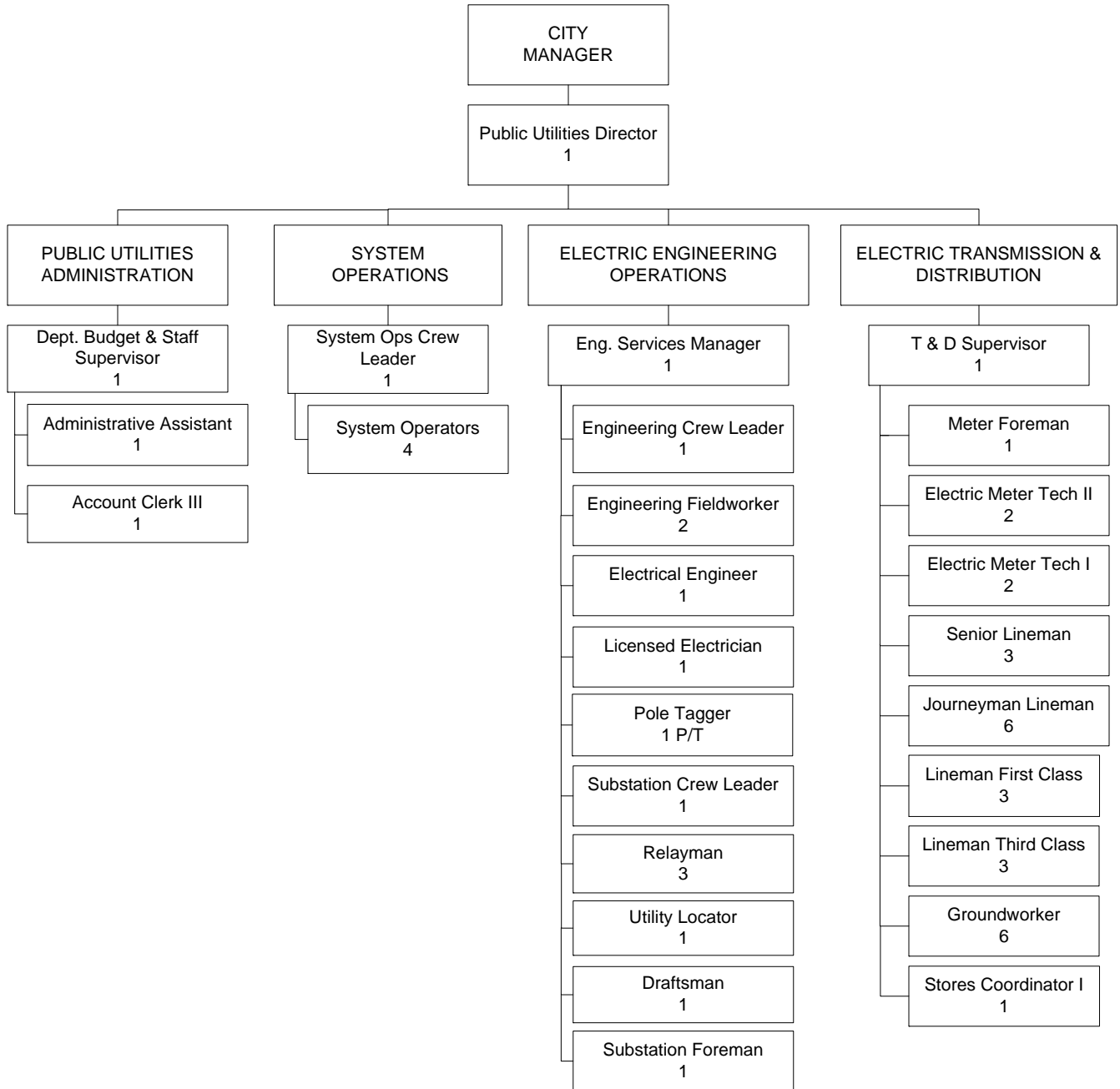
4. **Governors Avenue Rebuild.** Work in coordination with the State of Delaware for the re-building of the Governors Avenue infrastructure. This includes the conversion of the electric system from overhead to underground, the installation of new water lines, and replacement/repair of the wastewater system. Complete the project by the end of the Fiscal Year 2009. This project is a part of the Construction, Maintenance and Repair program and advances the critical success factors of Cost and Revenue Efficiency.

Budget: \$4,028,122**Account:** 487-8300-563.70-29

5. **Horsepond Substation Transformer Replacement.** The old transformer had reached its useful life and needs to be replaced. Complete the installation of the new transformer by February 15, 2009. This project is a part of the Construction, Maintenance and Repair program and advances the critical success factors of Cost and Revenue Efficiency.

Budget: \$695,000**Account:** 487-8300-563.70-27

PUBLIC UTILITIES/ELECTRIC ORGANIZATION CHART FISCAL YEAR 2009



PUBLIC UTILITIES/ELECTRIC ADMINISTRATION

480/487-8400-564

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	132,442	222,823	219,652	230,468
10-14	FICA TAXES	9,923	16,261	16,539	16,633
10-15	HEALTH INSURANCE	19,883	33,892	30,295	32,070
10-16	L I D INSURANCE	818	1,332	1,420	1,507
10-17	WORKERS COMPENSATION	968	1,400	947	1,733
10-19	PENSION	35,942	55,630	54,658	55,661
10-20	OPEB	-	-	-	5,761
	PERSONNEL COSTS	199,976	331,338	323,511	343,833
20-21	FURNITURE/FIXTURES	2,024	1,225	527	200
20-22	OFFICE SUPPLIES	4,487	3,750	3,750	3,000
20-23	PRINTING AND DUPLICATING	1,996	2,750	2,750	10,088
20-24	PHOTOGRAPHIC	24	100	100	100
20-28	MEDICAL SUP & PHYSICALS	283	500	500	300
20-31	BOOKS	158	250	250	250
20-37	COMPUTER SOFTWARE	200	200	200	200
20-46	CITY BLDG MAINT SUPPLIES	109,468	92,000	92,000	89,694
20-58	WATER/SEWER	2,809	2,291	2,291	2,000
	MATERIALS & SUPPLIES	121,449	103,066	102,368	105,832
30-21	TELEPHONE/FAX	2,487	2,000	2,000	2,000
30-23	ELECTRICITY	21,246	25,200	25,200	25,200
30-27	SUBSCRIPTIONS AND DUES	71,338	74,724	74,724	56,515
30-28	TRAINING/CONF/FOOD/TRAVEL	16,069	10,000	7,500	10,000
30-29	CONSULTING FEES	130,818	125,000	88,600	50,000
30-31	CONTRACTUAL SERVICES	71,692	52,035	52,035	50,600
30-32	LEGAL EXPENSES	-	-	90,000	-
30-35	COMMUNITY RELATIONS EXP	19,360	20,000	20,000	16,810
30-37	OTHER EXPENSES	41	500	500	500
30-61	OFF EQUIP/REPAIRS & MAINT	131	-	-	500
30-62	GASOLINE	-	360	360	525
30-64	TRUCK REPAIRS/MAINTENANCE	-	200	200	200
	ADMINISTRATIVE EXPENDITURES	333,182	310,019	361,119	212,850
40-21	OFFICE EQUIP - PURCHASE	-	8,000	-	-
40-23	TRUCKS - PURCHASE	-	-	25,498	-
40-31	CONSTRUCTION - PURCHASE	56,271	-	-	-
	CAPITAL OUTLAY	56,271	8,000	25,498	-
	TOTAL EXPENDITURES	710,878	752,423	812,496	662,515
	REVENUES:				
	ELECTRIC FUND	710,878	744,423	786,998	662,515
	ELECTRIC IMPROVEMENT & EXTENSION FUND	-	8,000	25,498	-
	PERSONNEL:				
	FULL-TIME EQUIVALENT	3.0	4.0	4.0	4.0

PUBLIC UTILITIES/ELECTRIC ENGINEERING

480/487-8300-563

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	962,377	819,115	673,617	733,353
10-12	OVERTIME	64,386	46,572	46,572	15,500
10-14	FICA TAXES	77,222	65,336	54,545	56,722
10-15	HEALTH INSURANCE	149,847	114,529	98,785	94,404
10-16	LI D INSURANCE	4,739	3,609	3,353	3,061
10-17	WORKERS COMPENSATION	28,144	24,945	19,593	24,168
10-18	EDUCATIONAL ASSISTANCE	-	-	-	12,000
10-19	PENSION	198,494	212,929	174,424	189,324
10-20	OPEB	-	-	-	18,334
	PERSONNEL COSTS	1,485,209	1,287,035	1,070,889	1,146,866
20-21	FURNITURE/FIXTURES	3,742	700	700	1,500
20-24	PHOTOGRAPHIC	22	-	-	-
20-27	TRAFFIC/SIGNAL	4,368	-	-	-
20-29	UNIFORMS/UNIFORM ALLOW	247	12,050	7,350	12,799
20-31	BOOKS	349	750	750	650
20-32	SECURITY/SAFETY MATERIALS	3,832	4,000	4,000	4,570
20-33	SMALL TOOLS	2,646	2,400	2,400	3,250
20-37	COMPUTER SOFTWARE	1,761	11,820	11,820	7,290
20-38	COMPUTER HARDWARE	6,168	6,000	5,030	-
20-61	ELEC MATERIALS/SUPPLIES	42,636	94,500	94,500	58,000
	MATERIALS & SUPPLIES	65,771	132,220	126,550	88,059
30-21	TELEPHONE/FAX	18,870	21,000	21,000	22,000
30-23	ELECTRICITY	1,983	2,100	2,100	2,083
30-27	SUBSCRIPTIONS AND DUES	777	1,218	1,218	1,255
30-28	TRAINING/CONF/FOOD/TRAVEL	8,832	20,500	20,500	16,600
30-31	CONTRACTUAL SERVICES	140,999	231,200	231,200	279,950
30-39	IN-HOUSE TRAINING	3,114	6,000	6,000	3,000
30-43	ENVIRONMENTAL EXPENSES	70,114	65,000	55,000	65,000
30-51	RIGHT OF WAY	8	500	500	100
30-61	OFF EQUIP/REPAIRS & MAINT	858	1,000	500	1,000
30-62	GASOLINE	20,527	20,600	20,600	21,600
30-64	TRUCK REPAIRS/MAINTENANCE	423	1,400	1,400	1,400
30-66	OTHER EQUIP REPAIRS/MAINT	4,576	13,500	13,500	16,084
30-67	RADIO REPAIRS/MAINTENANCE	4,308	3,650	3,650	3,350
	ADMINISTRATIVE EXPENDITURES	275,389	387,668	377,168	433,422
	TOTAL EXPENDITURES	1,826,369	1,806,923	1,574,607	1,668,347

PUBLIC UTILITIES/ELECTRIC ENGINEERING

480/487-8300-563

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
40-23	TRUCKS - PURCHASE	46,640	23,000	17,000	15,445
40-25	OTHER EQUIP - PURCHASE	42,886	-	62,800	20,500
	CAPITAL OUTLAY	89,526	23,000	79,800	35,945
50-61	FIBER OPTIC - COMPUTER	31,733	-	-	-
50-76	LIGHTING IMPROVEMENTS	-	-	-	50,000
50-82	REPLACE BREAKERS	148,660	703,000	1,204,576	183,000
	CAPITAL OUTLAY	180,393	703,000	1,204,576	233,000
70-26	RELAYS AND CONTROLS	27,029	-	-	-
70-27	SUBSTATIONS	635,306	3,727,950	4,588,289	780,000
70-29	ST.JONES SUBSTATION	-	-	2,180,655	4,028,122
70-35	TRANSMISSION/SWITCHES	-	23,000	23,000	23,000
70-51	MAYFAIR TO MID CITY LINE	88,216	-	10,000	-
70-52	SCADA REMOTE CONTROL UNIT	8,387	24,000	24,000	-
	CAPITAL OUTLAY	758,938	3,774,950	6,825,944	4,831,122
90-25	DISTRIBUTION UPGRADES	699,685	2,468,260	2,654,899	500,000
90-26	69 KV FEEDERS 3 & 4	-	-	5,623,930	3,956,820
90-78	WHITEOAK 69KV REBUILD	414,387	-	-	-
	CAPITAL OUTLAY	1,114,072	2,468,260	8,278,829	4,456,820
	TOTAL EXPENDITURES	2,142,929	6,969,210	16,389,149	9,556,887
	REVENUES:				
	ELECTRIC FUND	1,826,369	1,806,923	1,574,607	1,668,347
	ELECTRIC IMPROVEMENT & EXTENSION FUND	2,142,929	6,969,210	16,389,149	9,556,887
	PERSONNEL:				
	FULL-TIME EQUIVALENT	20.5	12.5	12.5	12.5

PUBLIC UTILITIES/ELECTRIC TRANSMISSION and DISTRIBUTION

480/487-8200-562

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	1,318,153	1,451,953	1,441,649	1,532,016
10-12	OVERTIME	115,270	103,500	103,500	105,560
10-14	FICA TAXES	106,917	116,769	116,372	123,122
10-15	HEALTH INSURANCE	235,269	242,575	247,997	269,814
10-16	L I D INSURANCE	6,149	6,382	6,927	7,292
10-17	WORKERS COMPENSATION	57,965	51,574	53,054	66,500
10-18	EDUCATIONAL ASSISTANCE	-	-	-	600
10-19	PENSION	299,496	402,496	365,754	408,371
10-20	OPEB	-	-	-	38,300
	PERSONNEL COSTS	2,139,219	2,375,249	2,335,253	2,551,575
20-21	FURNITURE/FIXTURES	-	100	100	200
20-29	UNIFORMS/UNIFORM ALLOW	-	21,380	11,380	26,450
20-32	SECURITY/SAFETY MATERIALS	16,217	16,950	16,950	18,020
20-33	SMALL TOOLS	19,880	31,000	31,000	26,500
20-37	COMPUTER SOFTWARE	-	1,500	1,500	1,500
20-38	COMPUTER HARDWARE	295	10,800	10,800	-
20-53	METERS/METER SUPPLIES	18,269	25,000	25,000	14,179
20-58	WATER/SEWER	264	250	250	250
20-61	ELEC MATERIALS/SUPPLIES	341,551	368,250	368,250	363,428
	MATERIALS & SUPPLIES	396,476	475,230	465,230	450,527
30-21	TELEPHONE/FAX	1,870	3,000	1,800	3,000
30-23	ELECTRICITY	176	200	200	200
30-24	HEATING OIL/GAS	5,945	5,000	5,000	6,245
30-28	TRAINING/CONF/FOOD/TRAVEL	9,502	24,250	24,250	22,550
30-31	CONTRACTUAL SERVICES	455,772	507,334	507,334	499,373
30-39	IN-HOUSE TRAINING	7,000	5,000	5,000	5,000
30-43	ENVIRONMENTAL EXPENSES	56,489	50,000	47,694	41,258
30-51	RIGHT OF WAY	6,151	6,750	8,956	5,956
30-62	GASOLINE	56,053	60,000	60,000	63,000
30-64	TRUCK REPAIRS/MAINTENANCE	17,644	20,600	15,600	16,530
30-66	OTHER EQUIP REPAIRS/MAINT	9,827	5,000	10,000	10,000
30-67	RADIO REPAIRS/MAINTENANCE	5,912	4,180	4,280	4,920
	ADMINISTRATIVE EXPENDITURES	632,341	691,314	690,114	678,032
40-23	TRUCKS - PURCHASE	170,680	40,000	40,000	18,500
40-25	OTHER EQUIP - PURCHASE	51,262	7,000	2,178	50,000
40-42	LEASED EQUIP & VEHICLES	36,903	-	-	-
	CAPITAL OUTLAY	258,845	47,000	42,178	68,500
60-31	UG TRANSFORMERS	265,885	178,500	178,500	153,500
60-34	UG CONDUCTORS/DEVICES	882,458	836,500	736,500	661,500
60-46	METERS	546,488	572,250	558,625	50,000
	CAPITAL OUTLAY	1,694,831	1,587,250	1,473,625	865,000
	TOTAL EXPENDITURES	5,121,712	5,176,043	5,006,400	4,613,634
	REVENUES:				
	ELECTRIC FUND	3,168,036	3,541,793	3,490,597	3,680,134
	ELECTRIC IMPROVEMENT & EXTENSION FUND	1,953,676	1,634,250	1,515,803	933,500
	PERSONNEL:				
	FULL-TIME EQUIVALENT	30.0	28.0	28.0	28.0

PUBLIC UTILITIES/SYSTEM OPERATIONS
480/487-8600-526

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES	-	298,245	330,230	341,449
10-12	OVERTIME	-	19,150	56,898	32,000
10-14	FICA TAXES	-	25,889	29,615	28,161
10-15	HEALTH INSURANCE	-	45,010	46,131	48,598
10-16	L I D INSURANCE	-	1,250	1,307	1,293
10-17	WORKERS COMPENSATION	-	3,403	13,702	15,171
10-19	PENSION	-	71,556	67,926	78,746
10-20	OPEB	-	-	-	8,536
	PERSONNEL COSTS	-	464,503	545,809	553,954
	TOTAL EXPENDITURES	-	464,503	545,809	553,954
	REVENUES:				
	ELECTRIC FUND	-	464,503	545,809	553,954
	ELECTRIC IMPROVEMENT & EXTENSION FUND	-	-	-	-
	PERSONNEL:				
	FULL-TIME EQUIVALENT	-	5.0	5.0	5.0

POWER PLANT OPERATIONS

480/487-8101-591

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
10-11	SALARIES & WAGES	2,088,746	2,264,561	2,063,392	2,143,535
10-12	OVERTIME	158,927	157,305	163,544	186,879
10-18	EDUCATIONAL ASSISTANCE	-	4,000	2,000	4,000
10-21	LABOR BURDEN (40.0%)	729,845	787,107	698,431	759,715
10-22	INCENTIVE ACUMULATOR	214,233	283,512	283,512	251,201
10-23	INCENTIVE BURDEN (21.0%)	49,005	59,538	59,538	52,752
	PERSONNEL COSTS	3,240,756	3,556,023	3,270,417	3,398,082
65-19	INSURANCE	327,705	330,000	285,416	291,000
65-21	TELEPHONE	12,563	24,000	12,290	18,000
65-22	POSTAGE	3,499	4,800	3,618	3,600
65-23	FREIGHT	7,595	6,000	5,680	6,000
65-24	OFFICE SUPPLIES	6,240	7,200	6,126	7,200
65-25	LICENSES & PERMITS	102,898	101,500	133,090	127,000
65-26	EMPLOYEE RECOGNITION	4,398	8,000	4,482	6,200
65-28	TRAINING/CONF/FOOD/TRAVEL	9,261	24,000	13,064	18,000
65-29	MEDICAL ASSESSMENTS	1,919	3,900	3,500	4,200
65-31	CONTRACTUAL SERVICES(ENG)	22,208	6,000	6,000	56,000
65-32	LEGAL FEES	6,173	8,000	3,075	3,000
65-35	COMMUNITY RELATIONS	1,003	6,000	3,249	3,600
65-36	OFFICE EQUIPMENT	3,763	2,400	6,649	3,600
65-37	COMPUTER SOFTWARE	-	1,200	2,564	1,200
65-38	COMPUTER HARDWARE	1,916	12,000	7,427	8,000
65-39	TRAINING FEES	17,752	24,000	12,585	26,500
65-43	ENVIRONMENTAL	109,368	47,200	36,670	52,200
65-44	OPERATOR/SUPPLY MGMT FEE	175,000	181,824	181,824	187,824
65-45	OPERATOR/SUPPLY INCENTIVE	120,000	145,460	145,460	135,240
65-46	HOME OFFICE LABOR	30,506	66,000	83,536	60,000
65-47	COMPUTER SYSTEMS MGMT	8,044	9,600	8,618	9,600
65-73	BANK CHARGES/FEES	83	600	250	-
	65 SERIES COSTS	971,894	1,019,684	965,173	1,027,964
75-51	AIR ENVIRON MONITOR/TEST	26,000	4,000	3,500	4,000
75-52	HAZARDOUS WASTE DISPOSAL	320	2,000	2,218	2,000
75-53	MATERIALS TESTING	6,511	6,000	5,613	6,000
75-54	SAFETY SUPPLIES	9,688	12,000	11,475	12,000
75-55	SPILL CLEAN UP	-	6,000	6,000	-
75-56	WTR ENVIRON MONITOR/TEST	9,566	9,000	10,449	10,000
75-57	NON-HAZARD WASTE DISPOSAL	20,572	12,000	9,539	8,000
	75 SERIES COSTS	72,657	51,000	48,794	42,000

POWER PLANT OPERATIONS

480/487-8101-591

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
85-61	BUILDING & GROUNDS	13,470	24,000	24,086	24,000
85-62	NON-DURABLE TOOLS	1,368	4,800	3,961	1,200
85-63	PLANT EQUIPMENT	79,115	12,000	5,945	12,000
85-64	EQUIPMENT RENTAL	209	4,000	2,000	4,000
85-66	EQUIP REPAIR/CALIBRATION	5,428	3,000	4,257	3,000
85-67	COMPRESSED AIR SYSTEM	3,935	6,000	5,922	6,000
85-68	BOILER SYSTEMS	104,665	118,000	114,905	88,000
85-69	CONDENSATE CYCLE	681	2,000	2,196	2,000
85-71	FEEDWATER SYSTEM	650	12,000	10,816	32,000
85-72	CONTINUOUS EMISS. MONITOR	22,356	58,000	48,283	45,000
85-73	FIRE PROTECTION SYSTEM	15,321	9,600	9,592	9,600
85-74	CRANES & ELEVATORS	9,981	10,000	6,500	7,600
85-75	COOLING TOWER	14,150	12,000	26,039	12,000
85-76	DCS CONTROL SYSTEM	17,526	20,000	41,642	30,000
85-77	DEMINERALIZER WATER SYS	504	6,000	2,550	6,000
85-78	FUEL OIL SYSTEM	7,631	27,000	17,626	24,000
85-79	PM PROGRAM	1,272	6,000	6,510	6,000
85-81	FUEL GAS SYSTEM/IGNITERS	14,316	5,000	1,000	2,000
85-82	COMBUSTION TURBINE MAINT	122,753	72,000	301,658	60,000
85-83	HOT WATER SYSTEM	16,509	6,000	5,834	6,000
85-84	PIT INSULATION	37,049	18,000	12,000	8,000
85-85	POWER DISTRIB SYSTEM	17,632	34,000	22,146	24,000
85-86	VEHICLE ROLLING STOCK	845	1,800	750	1,800
85-87	TURBINE GENERATOR SYSTEM	18,922	48,000	36,816	98,000
85-88	SERVICE WATER SYSTEMS	1,090	4,000	2,000	2,000
85-89	MAINT CONSUMABLES	6,763	24,000	14,898	12,000
	85 SERIES COSTS	534,141	547,200	729,932	526,200
95-23	ELECTRIC	124,064	797,644	723,014	730,000
95-24	LABORATORY SUPPLIES	5,650	6,000	6,273	6,000
95-25	JANITORIAL EXPENSES	30,570	36,000	31,528	36,000
95-35	WATER TREATMENT CHEMICALS	17,946	30,000	19,859	32,000
95-58	WATER (TOWERS/SERVICE)	58,231	175,000	51,783	88,000
95-62	FUEL - VEHICLE	3,277	3,600	3,165	3,600
95-93	LUBRICANTS	-	2,000	2,000	2,000
95-94	GASES	22,999	30,000	23,486	24,000
95-95	OPERATING CONSUMABLES	2,033	4,000	3,493	4,000
95-96	TRASH REMOVAL	627	-	346	1,800
	95 SERIES COSTS	265,397	1,084,244	864,947	927,400
40-31	CONSTRUCTION-PURCHASE	-	377,000	777,000	2,690,000
	CAPITAL OUTLAY	-	377,000	777,000	2,690,000
	TOTAL EXPENDITURES	5,084,845	6,635,151	6,656,263	8,611,646
	REVENUES:				
	ELECTRIC FUND	5,084,845	6,258,151	5,879,263	5,921,646
	ELECTRIC IMPROVEMENT & EXTENSION FUND		377,000	777,000	2,690,000

POWER SUPPLY

480/487-8102-592

ACCT	TITLE	2006-07 ACTUAL	2007-08 BUDGET	2007-08 REVISED	2008-09 BUDGET
30-98	TRANSITION COSTS	87,001	-	-	-
	30 SERIES COSTS	87,001	-	-	-
65-31	CONTRACTUAL SERVICES	-	-	-	300,000
65-44	OPERATOR/SUPPLY MGMT FEE	2,175,000	3,255,038	3,009,240	2,788,808
65-45	OPERATOR/SUPPLY INCENTIVE	978,000	-	-	-
	65 SERIES COSTS	3,153,000	3,255,038	3,009,240	3,088,808
95-48	3RD PARTY HEDGE PURCHASES	57,926,074	-	57,431,472	63,410,077
95-49	CAPACITY CHARGES	-	-	12,163,918	10,692,738
95-50	CAPACITY CREDITS	-	-	(11,417,244)	(9,265,997)
95-57	PURCHASED POWER	-	-	-	-
95-91	PJM CHARGES	5,054,476	74,943,188	3,383,494	3,510,195
95-92	PJM CREDITS	(4,517,569)	(15,630,526)	(2,472,013)	(2,552,753)
	95 SERIES COSTS	58,462,981	59,312,662	59,089,627	65,794,260
98-91	GAS FUEL	3,879,167	2,858,979	2,374,594	2,382,179
	98 SERIES COSTS	3,879,167	2,858,979	2,374,594	2,382,179
	TOTAL EXPENDITURES	65,582,149	65,426,679	64,473,461	71,265,247
	REVENUES:				
	ELECTRIC FUND	65,582,149	65,426,679	64,473,461	71,265,247