



**OPERATING INCOME**

	2003	2004	2005	2006	2007	2008
	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET YTD 10/31	EXPECTED PROPOSED
<b>WATER SYSTEM REVENUES</b>						
<b>METERED WATER REVENUES</b>						
378.110 Metered Water Revenues - Residential	478,679	492,317	576,728	601,415	644,535	648,450
378.120 Metered Water Revenues - Commercial	164,960	189,100	212,112	226,592	234,391	252,742
378.130 Metered Water Revenues - Industrial	140,652	134,153	118,516	143,198	148,123	153,757
378.140 Metered Water Revenues - Other Public	4,499	31,125	34,199	9,441	9,723	13,484
378.141 Metered Water Revenues - SCI Rockview	0	41,567	172,921	87,444	87,000	95,700
378.142 Metered Water Revenues - UAJA BRW	0	0	0	0	0	8,080
<b>Subtotal</b>	<b>788,790</b>	<b>888,262</b>	<b>1,114,476</b>	<b>1,068,090</b>	<b>1,123,772</b>	<b>1,172,213</b>
<b>FIRE SERVICES</b>						
378.405 Fire Services - CTWA Hydrants	55,055	57,827	58,802	63,191	66,528	67,452
378.410 Fire Services - Private Hydrants	4,883	4,883	4,844	4,729	4,626	4,626
378.420 Fire Services - Sprinkler Fire Lines	120,469	120,790	122,452	127,333	127,215	137,495
<b>Subtotal</b>	<b>180,407</b>	<b>183,500</b>	<b>186,098</b>	<b>195,253</b>	<b>198,369</b>	<b>209,573</b>
<b>OTHER WATER RELATED REVENUES</b>						
378.300 Penalties	10,803	10,375	9,829	10,180	10,000	11,000
378.500 Water Main Connection Fees	27,916	55,831	75,305	25,947	23,000	23,000
378.505 Capital Recovery - SCI Rockview	0	73,433	151,277	157,356	163,678	170,255
378.510 Meter Sales and Installations	2,568	1,043	492	0	1,000	0
378.890 Professional Fees Reimbursement	0	0	0	0	0	0
378.895 Engineer Inspection Fees	0	0	0	0	0	0
380.000 Miscellaneous	1,762	4,108	1,817	5,437	1,000	1,000
<b>Subtotal</b>	<b>43,049</b>	<b>144,790</b>	<b>238,720</b>	<b>198,920</b>	<b>198,678</b>	<b>205,255</b>
<b>TOTAL WATER SYSTEM REVENUES</b>	<b>1,012,246</b>	<b>1,216,552</b>	<b>1,539,294</b>	<b>1,462,263</b>	<b>1,520,819</b>	<b>1,587,041</b>

OPERATING REVENUES

**METERED WATER REVENUE**

Effective January 1, 2008, water consumption is proposed to be billed to the majority of its customers for each meter at \$4.95 per 1,000 gallons consumed, an increase of 4.9% over the 2007 rate.

**SCI-ROCKVIEW:** During 2003, the Authority entered into an agreement with the Commonwealth of Pennsylvania whereby the Authority has agreed to provide the Department of Corrections up to 700,000 gallons of potable water daily as a backup water supply. The Commonwealth has committed to a minimum purchase of 50 million gallons of water per year at an initial rate of \$1.74 per 1000 gallons (i.e. \$87,000 per year). The contract rate is fixed for a period of 5 years, then adjusts on an annual basis. Potable water was first made available on June 9, 2004.

**UAJA:** The Authority has entered into negotiations with the UAJA concerning water distribution by UAJA to existing and/or future customers of the Authority pursuant to Article 14 of the Source Water Protection Agreement executed in March 2003. It is anticipated that UAJA will reimburse the Authority for each gallon used by Authority customers served by UAJA at the full retail rate less the costs to pump and purify the water.

The number and types of customers expected to be served by the Authority during 2008, along with the total billed usage for those customer classes, is as shown in the following table:

<b><u>CUSTOMER CLASS</u></b>	<b><u>NUMBER</u></b>	<b><u>BILLING USAGE (GALLONS)</u></b>	<b><u>REVENUE</u></b>
Residential	2,358	131,000,000	\$648,450
Commercial	309	51,059,000	252,742
Industrial	17	31,062,000	153,757
Other	<u>13</u>	<u>2,724,000</u>	<u>13,484</u>
	<b>2,697</b>	<b>215,845,000</b>	<b>\$1,068,433</b>
UAJA – Beneficial Reuse	2	2,000,000	8,080
SCI-Rockview	<u>1</u>	<u>55,000,000</u>	<u>95,700</u>
<b>TOTAL</b>	<b><u>2,693</u></b>	<b><u>272,845,000</u></b>	<b><u>\$1,172,213</u></b>

**OPERATING REVENUES**

**FIRE SERVICES**

The following table reflects the types of fire service, the number of customers utilizing these services, and the revenue to be expected in 2008:

<b><u>HYDRANTS</u></b>	<b><u>NUMBER</u></b>	<b><u>ANNUAL CHARGE</u></b>	<b><u>REVENUE</u></b>
Hydrants – Authority owned and maintained	219	\$ 308	\$67,452
Hydrants – Privately owned and maintained	18	\$ 257	\$ 4,626
<b><u>STANDBY FIRE LINES</u></b>	<b><u>NUMBER</u></b>	<b><u>ANNUAL CHARGE</u></b>	<b><u>REVENUE</u></b>
Sprinkler – 4” fire service	11	\$ 1,285	\$14,135
Sprinkler – 6” fire service	22	\$ 2,570	56,540
Sprinkler – 8” fire service	<u>13</u>	\$ 5,140	<u>66,820</u>
	46		<u>\$137,495</u>

**PENALTIES**

This account covers the 10% penalty charged to customers who don't pay their bill within 30 days of the billing date.

**WATER MAIN CONNECTION FEES**

This account is for the revenue generated from customers connecting to the distribution system. The connection fee allows the Authority to recoup its cost to install the new service connection and includes the customers facilities fee and the tapping fee. The fee is set so as not to exceed that allowed by state law.

## OPERATING REVENUES

### CAPITAL RECOVERY – SCI ROCKVIEW

In order to provide potable water to the Department of Corrections pursuant to the 2003 agreement, a 12-inch transmission line has been constructed from the Authority's line to the State's property. The actual cost of the project including capitalized interest and allocable debt issuance costs is \$803,675. The agreement requires the Commonwealth to reimburse the Authority for the costs of the project (principal) together with interest over a 5-year period. Principal repayment is reflected here and interest is included in investment income. The final payment is scheduled for 6/9/2009.

### METER SALES AND INSTALLATIONS

This item of revenue reflects the charges to customers for the installation of meters, either individuals or in groups (pits) not charged pursuant to a water main connection application.

### PROFESSIONAL FEES REIMBURSEMENT

Engineering, legal, and other administrative costs incurred in connection with water main extensions are the responsibility of the customer, contractors and developers. Reimbursement of these costs as well as other reimbursable professional expenses are accounted for in this account.

### ENGINEER INSPECTION FEES

Fees paid by the Authority for water system inspections and reimbursable by contractors, developers, and customers are accounted for in this account. Expenses incurred in inspections are captured in the general expense section in account #448.818.

OPERATING REVENUES

MISCELLANEOUS WATER REVENUES

This account is for other water system related revenues not accounted for elsewhere. This would include income from reimbursement for cost of repairs to damaged meters, mains, fire hydrants, and any other repairs made by Authority personnel. Reimbursements are paid by companies or individuals damaging our facilities primarily through their neglect.

**PURIFICATION AND PUMPING EXPENSES**

	2003	2004	2005	2006	2007	2008
	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET YTD 10/31	EXPECTED
						PROPOSED
<b>SPRING CREEK PARK WELL</b>						
448.361 Operating Supplies and Expense	0	0	0	0	0	0
448.362 Power Purchased	36,486	32,132	28,943	26,258	22,743	28,000
448.363 Equipment Maintenance	2,511	1,911	446	8,474	3,623	4,800
448.364 Structure Maintenance	170	1,542	13	415	0	0
448.365 Well Monitoring Costs	17,211	18,063	2,403	3,652	6,816	6,900
448.367 Easement Costs	0	0	0	5,000	0	5,000
<b>Subtotal</b>	<b>56,378</b>	<b>53,648</b>	<b>31,805</b>	<b>43,799</b>	<b>33,182</b>	<b>44,700</b>
<b>ROGERS WELL</b>						
448.371 Operating Supplies and Expense	0	0	0	0	0	0
448.372 Power Purchased	112	21,832	37,838	34,575	25,195	34,400
448.373 Equipment Maintenance	0	538	235	3,163	423	450
448.374 Structure Maintenance	0	745	34	1,715	467	500
448.375 Well Monitoring Costs	0	6,831	16,516	18,598	1,684	7,500
<b>Subtotal</b>	<b>112</b>	<b>29,946</b>	<b>54,623</b>	<b>58,051</b>	<b>27,769</b>	<b>42,850</b>
<b>INTERCONNECTIONS - SCBWA ,PSU, and BELLEFONTE</b>						
448.386 Purchased Water	311	0	0	0	0	0
448.388 Interconnection Maintenance	1,184	0	0	0	0	0
<b>Subtotal</b>	<b>1,495</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500</b>
<b>TOTAL PUMPING</b>	<b>70,872</b>	<b>92,915</b>	<b>95,900</b>	<b>107,073</b>	<b>64,023</b>	<b>91,460</b>
<b>TOTAL PURIFICATION AND PUMPING</b>	<b>92,619</b>	<b>123,765</b>	<b>144,852</b>	<b>145,238</b>	<b>95,353</b>	<b>128,460</b>

PURIFICATION AND PUMPING EXPENSES

	2003		2004		2005		2006		2007		2008	
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET YTD 10/31	EXPECTED	EXPECTED	PROPOSED	PROPOSED
<b>SPRING CREEK PARK WELL</b>												
448.361	0	0	0	0	0	0	0	0	0	0	0	0
Operating Supplies and Expense												
448.362	36,486	32,132	28,943	26,258	29,500	22,743	28,000	29,500	22,743	28,000	29,500	29,500
Power Purchased												
448.363	2,511	1,911	446	8,474	6,000	3,623	4,800	6,000	3,623	4,800	6,000	6,000
Equipment Maintenance												
448.364	170	1,542	13	415	500	0	0	500	0	0	500	500
Structure Maintenance												
448.365	17,211	18,063	2,403	3,652	0	6,816	6,900	0	6,816	6,900	0	0
Well Monitoring Costs												
448.367	0	0	0	5,000	5,000	0	5,000	5,000	0	5,000	5,000	5,000
Easement Costs												
<b>Subtotal</b>	<b>56,378</b>	<b>53,648</b>	<b>31,805</b>	<b>43,799</b>	<b>41,000</b>	<b>33,182</b>	<b>44,700</b>	<b>41,000</b>	<b>33,182</b>	<b>44,700</b>	<b>41,000</b>	<b>41,000</b>
<b>ROGERS WELL</b>												
448.371	0	0	0	0	0	0	0	0	0	0	0	0
Operating Supplies and Expense												
448.372	112	21,832	37,838	34,575	35,800	25,195	34,400	35,800	25,195	34,400	35,800	35,800
Power Purchased												
448.373	0	538	235	3,163	3,000	423	450	3,000	423	450	3,000	3,000
Equipment Maintenance												
448.374	0	745	34	1,715	1,000	467	500	1,000	467	500	1,000	1,000
Structure Maintenance												
448.375	0	6,831	16,516	18,598	20,000	1,684	7,500	20,000	1,684	7,500	10,000	10,000
Well Monitoring Costs												
<b>Subtotal</b>	<b>112</b>	<b>29,946</b>	<b>54,623</b>	<b>58,051</b>	<b>59,800</b>	<b>27,769</b>	<b>42,850</b>	<b>59,800</b>	<b>27,769</b>	<b>42,850</b>	<b>49,800</b>	<b>49,800</b>
<b>INTERCONNECTIONS - SCBWA, PSU, and BELLEFONTE</b>												
448.386	311	0	0	0	1,000	0	0	1,000	0	0	1,000	1,000
Purchased Water												
448.388	1,184	0	0	0	500	0	0	500	0	0	500	500
Interconnection Maintenance												
<b>Subtotal</b>	<b>1,495</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>	<b>1,500</b>	<b>1,500</b>
<b>TOTAL PUMPING</b>	<b>70,872</b>	<b>92,915</b>	<b>95,900</b>	<b>107,073</b>	<b>110,225</b>	<b>64,023</b>	<b>91,460</b>	<b>110,225</b>	<b>64,023</b>	<b>91,460</b>	<b>100,225</b>	<b>100,225</b>
<b>TOTAL PURIFICATION AND PUMPING</b>	<b>92,619</b>	<b>123,765</b>	<b>144,852</b>	<b>145,238</b>	<b>149,225</b>	<b>95,353</b>	<b>128,460</b>	<b>149,225</b>	<b>95,353</b>	<b>128,460</b>	<b>138,225</b>	<b>138,225</b>

PURIFICATION AND PUMPING EXPENSES

PURIFICATION

448.201 OPERATING SUPPLIES AND EXPENSE – MT. NITTANY

At this time, Mt. Nittany Contact Tank is not operational.

448.202 CHEMICAL PURCHASES

This line item covers the purchase of aquamag, chlorine gas and liquid, corrosion inhibitor, and other chemicals used to treat water.

448.203 POWER PURCHASED – MT. NITTANY

This line item covers the cost of minimal electricity used at Mt. Nittany contact tank for lights.

448.204 WATER ANALYSIS

This line item covers the cost of testing water samples collected throughout the entire water system at EPA approved labs.

448.205 EQUIPMENT MAINTENANCE – MT. NITTANY

448.206 STRUCTURE MAINTENANCE – MT. NITTANY

No expenses are expected to be incurred at the Mt. Nittany Contact Tank, which is not operational at this time.

PURIFICATION AND PUMPING EXPENSES

PUMPING

PUDDINTOWN STATION

**448.311 OPERATING SUPPLIES AND EXPENSE**

This line item covers the cost of light bulbs, fuses, and other operating supplies specific to this facility.

**448.312 POWER PURCHASED**

This account covers the cost of electricity.

**448.313 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, meters, and other equipment located at the station.

**448.314 STRUCTURE MAINTENANCE**

This line item covers the costs incurred in repairing and maintaining the structures at this facility.

PURIFICATION AND PUMPING EXPENSES

MATILDA BOOSTER STATION

**448.321 OPERATING SUPPLIES AND EXPENSE**

This line item covers the cost of light bulbs, fuses, and other operating supplies specific to this facility.

**448.322 POWER PURCHASED**

This account covers the cost of electricity and gas used in these facilities for light, heat, equipment, and pumps.

**448.323 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, meters, and other equipment located at the station.

**448.324 STRUCTURE MAINTENANCE**

This line item covers the costs incurred in repairing and maintaining the structures at this facility.

PURIFICATION AND PUMPING EXPENSES

LEMONT BOOSTER STATION

**448.331 OPERATING SUPPLIES AND EXPENSE**

This line item covers the cost of light bulbs, fuses, and other operating supplies specific to this station.

**448.332 POWER PURCHASED**

This account covers the cost of electricity and gas for light, heat, equipment, and pumps.

**448.333 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, meters, and other equipment located at the station.

**448.334 STRUCTURE MAINTENANCE**

This line item covers the costs incurred in repairing and maintaining the structure at this station.

PURIFICATION AND PUMPING EXPENSES

WATER SOURCE: SPRING CREEK PARK WELL

**448.361 OPERATING SUPPLIES AND EXPENSE**

This account covers the cost of light bulbs, fuses, and other operating supplies specific to this station.

**448.362 POWER PURCHASED**

This account covers the cost of electricity and gas used for light, heat, equipment, and pumps.

**448.363 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, chlorine residual analyzer, chlorine feeds, and meters.

**448.364 STRUCTURE MAINTENANCE**

This account covers the costs incurred in repairing and maintaining the structure at this station.

**448.365 WELL MONITORING COST**

This account consists primarily of costs incurred in conducting monitoring as required by DEP.

**PURIFICATION AND PUMPING EXPENSES**

**448.367 EASEMENT COSTS**

Pursuant to an easement agreement with the College Township Water Authority signed July 7, 1999, the Authority is required to pay the Township an annual fee of \$5,000 beginning 11/29/06. The fee is to be used for park and recreation purposes. The fee will adjust in 2009 and every fifth year thereafter.

**WATER SOURCE: ROGERS WELL**

**448.371 OPERATING SUPPLIES AND EXPENSE**

This line item covers the cost of light bulbs, fuses, and other operating supplies specific to this station.

**448.372 POWER PURCHASED**

This account covers the cost of electricity and gas used in these facilities for light, heat, equipment, and pumps.

**448.373 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, chlorine residual analyzer, chlorine feeds, and meters.

**448.374 STRUCTURE MAINTENANCE**

This line item covers the costs incurred in repairing and maintaining the structures at this station.

PURIFICATION AND PUMPING EXPENSES

**448.375 WELL MONITORING COST**

This account consists primarily of costs incurred in conducting monitoring as required by DEP.

**INTERCONNECTIONS – SCBWA, PSU, AND BELLEFONTE**

**448.386 PURCHASED WATER**

This line item covers the cost of metered water provided by agreement with Penn State University and State College Borough Water Authority as backup sources for the CTWA water system. At this time, there is no physical connection to the State College Borough Water Authority.

**448.388 INTERCONNECTION MAINTENANCE**

This line item covers the cost of maintaining backflow preventors, meter pits, and PRVs incidental to the interconnections.

DISTRIBUTION ITEM EXPENSES

	2003	2004	2005	2006	2007	2008
	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET YTD 10/31	EXPECTED
	AUDITED	AUDITED	AUDITED	AUDITED	EXPECTED	PROPOSED
<b>STORAGE-DALE ST RESERVOIR</b>						
448.341 Operating Supplies and Expense	0	0	0	0	0	0
448.342 Power Purchased	342	325	308	285	311	350
448.343 Equipment Maintenance	1,075	945	855	3,555	68	1,000
448.344 Structure Maintenance	85	275	89	4,009	86	1,550
<b>Subtotal</b>	<b>1,502</b>	<b>1,545</b>	<b>1,252</b>	<b>7,849</b>	<b>465</b>	<b>2,000</b>
<b>STORAGE-STRUBLE RD TANK</b>						
448.351 Operating Supplies and Expense	0	0	0	0	0	0
448.352 Power Purchased	0	0	0	0	0	250
448.353 Equipment Maintenance	0	0	0	0	0	1,000
448.354 Structure Maintenance	0	0	0	0	0	1,000
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,250</b>
<b>MAINTENANCE-DISTRIBUTION SYSTEM</b>						
448.475 Maintenance of Distribution / Trans Mains	15,219	17,656	16,654	29,283	14,029	17,600
448.490 Maintenance of Service Lines	13,463	7,827	10,932	17,607	3,389	4,200
448.510 Maintenance of Hydrants	3,707	7,337	852	673	5,059	5,600
448.530 Meter Supplies and Maintenance	2,825	2,935	1,885	2,041	1,937	2,500
448.532 PRV - Penn Hills	50	0	0	0	0	300
448.534 PRV - Independence Place	0	0	620	0	0	300
448.536 PRV - Oak Hall	450	36	460	189	845	300
448.537 PRV - Rockview North	0	92	0	110	0	300
448.538 PRV - Rockview South	0	17	5	91	217	300
448.539 PRV - Bellefonte Interconnect	0	0	0	0	0	300
<b>Subtotal</b>	<b>35,714</b>	<b>35,900</b>	<b>31,408</b>	<b>49,994</b>	<b>25,476</b>	<b>31,000</b>
<b>GENERAL-DISTRIBUTION SYSTEM</b>						
448.181 Contract Labor - College Twp Personnel	12,053	23,761	19,712	26,318	32,401	38,000
448.540 Contract Labor - Technicians	104,967	107,142	88,820	117,536	98,684	115,275
448.556 Leak Detection Services	4,500	1,500	4,000	5,343	0	2,000
448.570 Storage Rental	0	0	0	0	0	0
448.575 R-O-W, Regulatory Compliance	1,189	212	1,620	581	726	900
448.648 Pa One Call Service	645	659	591	780	987	1,250
448.760 Small Tools and Minor Equipment	1,055	1,517	869	4,383	3,684	3,900
448.761 Repairs and Maintenance-Water Equip	0	0	0	0	2,441	11,000
448.762 Safety Equipment	0	0	0	248	459	950
<b>Subtotal</b>	<b>124,409</b>	<b>134,791</b>	<b>115,612</b>	<b>155,189</b>	<b>139,382</b>	<b>164,525</b>
<b>TOTAL DISTRIBUTION SYSTEM</b>	<b>161,625</b>	<b>172,236</b>	<b>148,272</b>	<b>213,032</b>	<b>165,323</b>	<b>197,525</b>

DISTRIBUTION SYSTEM EXPENSES

STORAGE – DALE STREET RESERVOIR

448.341 OPERATING SUPPLIES AND EXPENSE

This line item covers the cost of miscellaneous supplies specific to these locations.

448.342 POWER PURCHASED

This line item covers the electricity used for monitoring equipment and in lighting the area.

448.343 EQUIPMENT MAINTENANCE

This line item covers the cost incurred in maintaining the equipment and pumps located at these sites. SCADA System components are considered to be equipment.

448.344 STRUCTURE MAINTENANCE

This line item covers the cost incurred in repairing and maintaining the reservoir and the above ground storage tank located at Struble Road.

STORAGE – STRUBLE ROAD TANK

448.351 OPERATING SUPPLIES AND EXPENSE

This line item covers the cost of miscellaneous supplies specific to these locations.

DISTRIBUTION SYSTEM EXPENSES

**448.352 POWER PURCHASED**

This line item covers the electricity used for monitoring equipment and in lighting the area.

**448.353 EQUIPMENT MAINTENANCE**

This line item covers the cost incurred in maintaining the equipment and pumps located at these sites. SCADA System components are considered to be equipment.

**448.354 STRUCTURE MAINTENANCE**

This line item covers the cost incurred in repairing and maintaining the reservoir and the above ground storage tank located at Struble Road.

**MAINTENANCE – DISTRIBUTION SYSTEM**

**448.475 MAINTENANCE OF DISTRIBUTION/TRANSMISSION MAINS**

Distribution waterlines deliver water to and through specific areas and to individual customers. Costs incurred in repairing distribution water mains and appurtenances, such as blow-offs and gate valves, in the distribution system are recorded here.

DISTRIBUTION SYSTEM EXPENSES

Transmission waterlines are those primary routes where large flows of water are expected to be conveyed across a pressure zone and typically extend from the water source to and from storage/booster facilities, and beyond to areas of high water demand. The costs involved in repairing and maintaining the various transmission lines throughout the water system are recorded here.

**448.490 MAINTENANCE OF SERVICE LINES**

This line item covers the costs incurred in maintaining service lines, curb stops, main corporations, and curb boxes in the distribution system.

**448.510 MAINTENANCE OF HYDRANTS**

This item covers the cost incurred in maintaining, including painting fire hydrants. Currently, the authority maintains 219 hydrants.

**448.530 METER SUPPLIES AND MAINTENANCE**

This line item covers the costs incurred testing and calibrating meters as well as parts needed to maintain meters in good working condition.

**448.532 PRV – PENN HILLS**

This line item covers the cost in maintaining the pressure reducing valve located at Penn Hills.

**DISTRIBUTION SYSTEM EXPENSES**

**448.534 PRV – INDEPENDENCE PLACE**

This line item covers the cost in maintaining the pressure reducing valve located at Independence Place.

**448.536 PRV – OAK HALL**

This line item covers the cost in maintaining the pressure reducing valve located at Oak Hall.

**448.537 PRV - ROCKVIEW NORTH**

This line item covers the cost in maintaining the pressure reducing valve located at Rockview North.

**448.538 PRV - ROCKVIEW SOUTH**

This line item covers the cost in maintaining the pressure reducing valve located at Rockview South.

**448.539 PRV - BELLEFONTE INTERCONNECT**

This line item covers the cost in maintaining the pressure reducing valve located at Bellefonte Interconnect.

**GENERAL – DISTRIBUTION SYSTEM**

**448.181 CONTRACT LABOR – COLLEGE TOWNSHIP PERSONNEL**

This line item covers the labor charges incurred when College Township personnel are needed for various projects.

**DISTRIBUTION SYSTEM EXPENSES**

**448.540 CONTRACT LABOR – TECHNICIANS**

This line item covers the cost of labor charges, including scheduled overtime, for four full-time service technicians.

**448.556 LEAK DETECTION SERVICES**

This line item covers the costs incurred in employing an independent company to identify leaks in the water system.

**448.575 R-O-W, REGULATORY COMPLIANCE**

This line item covers the cost of producing the annual water quality report, acquiring right of ways, various permits required by state and federal regulatory bodies, fees associated with regulatory reporting such as the Tier IV Report, and CDL license expenses.

**448.648 PA ONE CALL SERVICE**

This line item covers the monthly per fax charge for identifying underground facilities.

DISTRIBUTION SYSTEM EXPENSES

**448.760 SMALL TOOLS AND MINOR EQUIPMENT**

This line item covers the cost of acquiring and maintaining small tools used in every day operation.

**448.761 REPAIRS AND MAINTENANCE – WATER EQUIPMENT**

This line item covers the cost of maintaining specialized water system equipment such as the SCADA System and Chlorine Analyzers. For 2008, the following costs are as follows:

**Hach Company Service Agreement - \$2,200**

This agreement would provide four on-site preventive maintenance visits per year, once each quarter, to service the chlorine analyzers at the Spring Creek Park Station and the Shiloh Well Station as well as the turbidimeter at the Shiloh Station. Each visit includes cleaning, calibration and the replacement of any necessary parts to keep the units functioning properly and in compliance with all DEP regulations. Any emergency visits required in between regular scheduled maintenance visits to service or repair the units would also be included in this agreement.

**Allied Control Services, Inc. – SCADA Maintenance Agreement - \$8,800**

This agreement would provide a two day visit every six months by an Allied Technician to verify proper operation of all SCADA controls, instruments and related equipment including annual calibration of equipment to ensure accurate measuring and transmitting of data. This agreement does not provide for any miscellaneous repair of equipment or replacement parts if needed. An additional \$4,000 has been included for repairs and parts.

DISTRIBUTION SYSTEM EXPENSES

Allied Agreement	\$4,800.00
Repairs/Parts	<u>\$4,000.00</u>
	\$8,800.00

448.762 SAFETY EQUIPMENT

In 2004, College Township formed a Safety Committee.

The purpose of the College Township Safety Committee is to bring workers and management together in a non-adversarial, cooperative effort to detect workplace hazards, correct workplace hazards, and increase safety awareness in the workplace. \$1,000 is budgeted for items identified by the committee during 2008 that will serve to increase safety in the work place.

**GENERAL EXPENSES**

	2003	2004	2005	2006	2007	2008
	AUDITED	AUDITED	AUDITED	AUDITED	YTD 10/31	EXPECTED
					BUDGET	PROPOSED
<b>OFFICE</b>						
448.600 Contract Labor - Billing and Cust Serv	36,663	33,728	35,926	38,280	41,244	40,600
448.605 Contract Labor - College Twp Personnel	4,207	4,298	3,787	6,208	5,711	7,450
448.610 Contract Labor - Meter Reading	5,690	4,144	3,974	3,877	4,624	5,350
448.612 Professional Employment Services	0	0	0	0	0	0
448.620 Office and Other Supplies	3,396	3,357	2,617	3,084	3,750	2,000
448.621 Computer and Software Maintenance	1,527	4,247	3,213	2,497	3,000	7,200
448.625 Postage and Freight Charges	4,897	6,429	3,374	5,100	5,000	4,800
448.641 Advertising	2,772	3,213	1,307	584	1,000	4,900
448.643 Internet and Email	176	192	230	1,157	1,140	1,200
448.645 Telephone	1,826	1,864	1,709	2,127	2,100	2,400
448.647 Cellular Phone	300	296	415	763	700	450
448.655 Uncollectible Accounts	0	2,936	(2,696)	(496)	0	0
<b>Subtotal</b>	<b>61,454</b>	<b>64,704</b>	<b>53,856</b>	<b>63,181</b>	<b>68,269</b>	<b>76,350</b>
<b>GENERAL PROPERTY</b>						
448.702 Vehicle Repairs and Maintenance	3,021	6,027	2,572	4,721	5,000	8,000
448.731 Vehicle Fuels: Gas, Diesel, Oil, Etc	2,322	2,621	3,007	4,062	4,250	4,000
448.735 Repairs of Tools and Machinery	0	44	167	345	750	600
448.740 Materials and Supplies	1,279	413	2,107	1,267	2,000	1,900
448.765 Radio/Paging Equipment and Maint	513	371	322	221	300	300
448.770 Rental of Equipment	1,476	0	4,130	4,887	5,000	12,000
<b>Subtotal</b>	<b>8,611</b>	<b>9,476</b>	<b>12,305</b>	<b>15,503</b>	<b>17,300</b>	<b>26,800</b>
<b>ENGINEERING AND PROFESSIONAL</b>						
448.810 Engineering - Consulting	42,555	31,471	43,486	34,054	25,000	23,000
448.818 Engineering - Inspection	0	1,429	0	0	2,500	2,500
448.840 Accounting and Audit	12,585	12,888	17,805	11,765	14,500	13,000
448.845 Legal	5,863	3,406	3,207	495	5,000	1,200
448.850 Professional - Other	0	0	7,000	0	1,600	1,600
<b>Subtotal</b>	<b>61,003</b>	<b>49,194</b>	<b>71,498</b>	<b>46,314</b>	<b>48,600</b>	<b>41,300</b>
<b>Subtotal</b>	<b>61,003</b>	<b>49,194</b>	<b>71,498</b>	<b>46,314</b>	<b>48,600</b>	<b>41,300</b>
<b>Subtotal</b>	<b>61,454</b>	<b>64,704</b>	<b>53,856</b>	<b>63,181</b>	<b>68,269</b>	<b>76,350</b>
<b>Subtotal</b>	<b>61,454</b>	<b>64,704</b>	<b>53,856</b>	<b>63,181</b>	<b>68,269</b>	<b>76,350</b>

**GENERAL EXPENSES**

	2003	2004	2005	2006	2007		2008
	AUDITED	AUDITED	AUDITED	AUDITED	YTD 10/31	EXPECTED	PROPOSED
<b>TAXES, BENEFITS, AND INSURANCE</b>							
448.615 Training - Distribution and Office Conventions	0	0	530	229	550	798	1,000
448.618 Clothing and Uniforms	1,050	1,445	1,295	1,335	2,000	1,351	1,350
448.738 Dues, Subscriptions, and Memberships	1,662	2,263	2,575	2,079	2,500	1,596	2,000
448.802 Insurance Policies	1,894	1,903	1,959	2,151	2,250	2,215	2,300
448.855 Workers' Compensation Insurance	14,526	19,343	19,683	21,228	22,350	8,747	22,500
448.858 Pension Expense	3,724	7,282	9,552	10,384	12,200	0	12,500
448.860 Bond	9,594	7,032	9,218	10,487	13,092	9,971	11,600
448.865 Medical / Dental Insurance	123	0	154	0	200	0	200
448.870 Group Term Life/Disability Insurance	18,778	25,676	29,703	37,615	41,826	39,286	40,450
448.875 Payroll Taxes - FICA	2,070	2,680	2,362	3,244	2,924	2,453	2,750
448.880 Unemployment Compensation Insurance	12,017	11,333	11,183	13,002	15,518	10,908	12,725
448.881	1,126	3,575	961	1,129	560	549	575
<b>Subtotal</b>	<b>66,564</b>	<b>82,532</b>	<b>89,175</b>	<b>102,883</b>	<b>115,970</b>	<b>77,874</b>	<b>109,950</b>
<b>MISCELLANEOUS</b>							
448.885 Operational and Management Agreement	60,000	61,800	64,044	67,057	69,396	57,830	69,396
480.470 Miscellaneous	1,403	439	52	660	2,000	542	750
481.460 Board, Staff, and Professional Meetings	47	0	109	69	500	0	500
<b>Subtotal</b>	<b>61,450</b>	<b>62,239</b>	<b>64,205</b>	<b>67,786</b>	<b>71,896</b>	<b>58,372</b>	<b>70,646</b>
<b>TOTAL GENERAL EXPENSE</b>	<b>259,082</b>	<b>268,145</b>	<b>291,039</b>	<b>295,667</b>	<b>322,035</b>	<b>251,507</b>	<b>332,437</b>

GENERAL EXPENSES

OFFICE

**448.600 CONTRACT LABOR – BILLING AND CUSTOMER SERVICE**

In accordance with section 5.7 of the management agreement, the Authority reimburses the Township for all non-exempt Township employees' time associated with obligations of the Authority. This account covers the cost of the Customer Service Specialist and 50% of the Finance Office Assistant's wages. The budgeted amount includes scheduled overtime incurred for attendance at Authority meetings by the recording secretary.

**448.605 CONTRACT LABOR – COLLEGE TOWNSHIP PERSONNEL**

This line item covers time spent by non-exempt personnel in the performance of duties other than billing and customer service. Such duties include payables, budget preparation support, and special project accounting.

**448.610 CONTRACT LABOR – METER READING**

This line item covers the wages incurred for the part-time meter reader (non-exempt) that works an average of 10 to 15 hours per week. Also covered by this account is the cost of reimbursing the meter reader for using a personal vehicle for Authority business.

**448.612 PROFESSIONAL EMPLOYMENT SERVICES**

The Authority reimburses the Township for the cost of temporary employee services that are needed from time to time.

**GENERAL EXPENSES**

**448.620 OFFICE AND OTHER SUPPLIES**

This line item covers the cost of routine office, computer, and other miscellaneous supplies used in the day-to-day operations.

**448.621 COMPUTER AND SOFTWARE MAINTENANCE**

This line item covers the cost of hardware maintenance, network software maintenance, and the maintenance contract on the billing software package.

**448.625 POSTAGE AND SHIPPING CHARGES**

This line item covers the cost of postage, mailing services, and shipping charges.

**448.641 ADVERTISING**

This line item covers the cost incurred for advertising meetings, notifications, and employment opportunities.

**448.643 INTERNET AND EMAIL**

The Township entered into a new agreement with CEI Network in 2007 that provides for the use of a fiber optic line and the hosting of email accounts for township personnel. This line costs \$888 per month of which \$183 is charged to the Authority and \$89 is charged to the Tax Collection department. In addition, this line item includes the cost for hosting the township website and internet access for a PC located in the Public Works Facility. The township approved a policy in 2002 governing the use of the internet and email by employees.

**GENERAL EXPENSES**

**448.643 INTERNET AND EMAIL (Cont.)**

Also, the Authority reimburses 3 employees for the cost of cable modems installed in their homes. The cable modem provides a reliable means for accessing the Authority's SCADA system when required, and serves to reduce the overtime that would otherwise be incurred.

**448.645 TELEPHONE**

This line item covers the cost of monthly local/long distance service and required modem lines.

**448.647 CELLULAR PHONE**

This line item covers the cost of a cellular phone used by the Manager and a Water Technician.

**448.655 UNCOLLECTIBLE ACCOUNTS**

This line item covers the cost of employing an outside collection firm in collecting delinquent accounts.

**GENERAL PROPERTY**

**448.702 VEHICLE REPAIRS AND MAINTENANCE**

This line item covers 100% of the cost of repairing and maintaining licensed vehicles owned by the Authority. Where title is shared with the Township, upkeep costs are shared equally.

**GENERAL EXPENSES**

**448.731 VEHICLE FUELS: GAS, DIESEL, OIL, ETC.**

This line item covers the cost of fuel and other consumable items in the operation of Authority owned vehicles. Where title is shared with the Township, these costs are shared equally.

**448.735 REPAIRS OF TOOLS AND MACHINERY**

This account captures the costs of repairing machinery and tools owned by the Authority.

**448.740 MATERIALS AND SUPPLIES**

This line item covers materials and supplies not accounted for anywhere else.

**448.765 RADIO AND PAGING EQUIPMENT AND MAINTENANCE**

The Authority utilizes the Township's radio trunking which is provided at no charge through the County. Each service vehicle has a radio. Additionally, technicians carry pagers. This account is used to record the cost associated with this communication equipment.

**448.770 RENTAL OF EQUIPMENT**

**GENERAL EXPENSES**

This line item covers the cost of equipment rental in emergency type situations including items such as generators rented from outside vendors. Equipment rented from the Township is based on an equipment rental rate schedule.

**ENGINEERING AND PROFESSIONAL**

**448.810 ENGINEERING - CONSULTING**

This line item covers the retainer fee paid to the consulting engineer plus charges for other routine engineering services.

**448.818 ENGINEERING -- INSPECTION**

This account covers costs incurred inspecting service line and water main installations. Some of these charges are reimbursable by customers, developers and contractors. Reimbursements are accounted for as an item of revenue account #378.895.

**448.840 ACCOUNTING AND AUDIT**

Outside auditor services in auditing the Authority's 2007 financial statements and preparing the 2007 Annual Report of Municipal Authorities is expected to cost \$12,250. An estimate of \$2,250 is included for professional consultation on other financial issues.

GENERAL EXPENSES

**448.845 LEGAL**

This budget item covers the cost for the Authority's solicitor plus other legal services that are requested during the year.

**448.850 PROFESSIONAL - OTHER**

This line item covers the annual trustee's fee of \$1,600.

**TAXES, BENEFITS, AND INSURANCE**

**448.615 TRAINING - DISTRIBUTION AND OFFICE**

This line items covers the training costs of providing services or personnel certified with the appropriate class and type of certification under the Sewage Treatment Plant and Waterworks Operators Certification Act of 1968. Also, the manager authorizes non-exempt staff members' attendance at courses and seminars that will enhance their job performance. This line item is used for this purpose, as well as training for Authority board members.

**448.618 CONVENTIONS**

This line item covers the cost of the appointed officials and/or the manager attending the annual PMAA Conference and other selected seminars.

**448.738 CLOTHING AND UNIFORMS**

GENERAL EXPENSES

This account covers the following: 1) renting and laundering uniforms, 2) \$250 bi-annual (public works director, road crew, ordinance enforcement officer, and assistant engineer) boot and winter jacket replacement allowance, 3) insignia shirts for field identification and 4) \$350 bi-annual safety glasses allowance.

**448.802 DUES, SUBSCRIPTIONS, AND MEMBERSHIPS**

This line item covers membership in the Pennsylvania Municipal Authorities Association, the Pennsylvania Rural Water Association, and the American Water Association. In addition, \$100 is budgeted for reference sources and miscellaneous subscriptions.

**448.855 INSURANCE POLICIES**

Pursuant to section 10.03 of the Trust Indenture dated November 5, 2003, the Authority maintains public liability, property damage, and workers' compensation insurance satisfactory to the Trustee. This account covers the cost of all insurance, including the Authority's share of the public official's liability insurance, other than the premiums for workers' compensation insurance which is recorded in account #448.858.

**448.858 WORKERS' COMPENSATION INSURANCE**

In accordance with section 6.3 of the management agreement, the Township maintains adequate workers' compensation coverage for their employees assigned to performing the obligations of the Township. This account records the annual invoice to the Authority for their portion of the premium. Refunds are recorded as revenue in account #380.000.

**GENERAL EXPENSES**

**448.860 PENSION EXPENSE**

This line item covers the Authority's share of the cost of providing a pension for the Township employees.

**448.865 BOND**

This represents the cost of bonding those individuals charged with the responsibility of handling funds relating to the Water System.

**448.870 MEDICAL/ DENTAL INSURANCE**

This line item accounts for the Authority's share of the cost of providing health and dental insurance coverage for the Township employees. The projected monthly premiums are as follows:

<u>HEALTH INSURANCE</u>	<u>DENTAL INSURANCE</u>
Single rate \$368.25	Delta single rate \$32.39
Family rate \$920.63	Delta family rate \$100.66

The Township deducts a portion of the cost of the premium from the employee's paycheck.

**448.875 GROUP TERM LIFE/DISABILITY INSURANCE**

This line item covers the Authority's share of the cost of providing life, accident, and short-term disability insurance for the Township employees.

**GENERAL EXPENSES**

**448.880 PAYROLL TAXES – FICA**

This line item covers the Authority's share of the social security tax on employee wages. The 2008 rate is .062 of gross earnings up to \$102,000 per employee.

Also covered is the Authority's share of the Medicare tax on employee wages. The 2008 rate is .0145 of gross earnings.

**448.881 UNEMPLOYMENT COMPENSATION INSURANCE**

The Authority is required to pay 1.0% of each employees first \$8,000 of earnings to cover unemployment compensation insurance.

**MISCELLANEOUS**

**448.885 OPERATIONAL AND MANAGEMENT AGREEMENT**

College Township provides operation and management of the water system to the Authority pursuant to an AGREEMENT FOR MANAGEMENT SERVICES dated September 23, 1998. In accordance with section 5.8.1 of that agreement, the reimbursement rate has been reviewed and revised to an amount of \$6,006 per month (from \$5,783 per month). The revised reimbursement rate is effective January 1, 2008.

**GENERAL EXPENSES**

**480.470 MISCELLANEOUS**

This line item includes a \$500 contribution to the Spring Creek Watershed Community's 2008 Water Resource Monitoring Project and \$1,500 for the cost of other miscellaneous or one-time expenses that can not be directly allocated to another budget item.

**481.460 BOARD, STAFF AND PROFESSIONAL MEETINGS**

This item covers the cost of lunch for working luncheon meetings.

**NON-OPERATING INCOME (EXPENSE)**

	2003	2004	2005	2006	2007	2008
	AUDITED	AUDITED	AUDITED	AUDITED	YTD 10/31	PROPOSED
				BUDGET	EXPECTED	
<b>NON-OPERATING INCOME (EXPENSE)</b>						
341.000 Investment Income	9,561	26,906	43,084	62,760	51,733	50,000
341.050 Investment Income - SCI Rockview	0	16,959	25,746	19,673	11,864	7,121
	<b>9,561</b>	<b>43,865</b>	<b>68,830</b>	<b>82,433</b>	<b>63,597</b>	<b>57,121</b>
<b>NET NON-OPERATING INCOME (EXP)</b>						
				<b>65,198</b>	<b>72,198</b>	

**NON-OPERATING INCOME**

**341.000 INVESTMENT INCOME**

This category accounts for the revenue generated from the investment of Authority funds.

**341.050 INVESTMENT INCOME – SCI ROCKVIEW**

This line item accounts for the interest received by the Authority pursuant to the Commonwealth Agreement provision which requires reimbursing the Authority for the costs of extending the water line to the Department of Corrections (principal) together with interest over a 5-year period. The final payment is scheduled for 6/9/2009.

College Town Water Authority  
 PLANNED CONSTRUCTION PROJECTS AND CAPITAL ASSET PURCHASES FOR 2008

2008 FUNDING SOURCES

	Bond Redemp & Improve Fund (1)	2008 Operations Budget	Total	Narrative
<u>Water System Upgrade Projects</u>				
Benner Pike Waterline Relocation ( Penn DOT )	\$ 12,000	-	\$ 12,000	N1
Lenor Drive	\$ 38,500	-	\$ 38,500	N1
E. Branch Road	\$ 107,206	-	\$ 107,206	N1
Hickory Lane	\$ 14,859	-	\$ 14,859	N1
Puddintown Road	\$ 8,700	-	\$ 8,700	N2
Spring Street	\$ 91,355	-	\$ 91,355	N2
Puddintown Road	\$ 46,310	-	\$ 46,310	N2
Berry Alley	\$ 55,500	-	\$ 55,500	N2
<u>Water System Maintenance/Repairs</u>				
Struble Road Storage Tank	\$ 46,400	-	\$ 46,400	N3
Dale Street Reservoir	\$ 11,000	-	\$ 11,000	N3
<u>Capital Asset Purchases</u>				
Replace 1994 Case 580 Backhoe	-	\$ 37,000	\$ 37,000	N3
Light Tower	-	\$ 6,883	\$ 6,883	N4
Purchase 55 Residential Meters @ \$110 each	-	\$ 6,380	\$ 6,380	N4
Tripod Fall Protection & Rescue System	-	\$ 3,700	\$ 3,700	N4
Radio Replacements	-	\$ 4,150	\$ 4,150	
<b>TOTALS</b>	<b>\$ 431,830</b>	<b>\$ 58,113</b>	<b>\$ 489,943</b>	

Estimated Costs for Future Projects

**Priority - Highest to Lowest**

Replace Elm Street 2" Line	\$ 43,115	N3
Clyde Avenue	\$ 70,150	N3
Struble Road Transmission Repair, Later Phases	\$ 133,500	N3
Oak Hall Water System Upgrade (Phase 1)	\$ 216,000	N4
Replace Elm Street and Merryhill Road 2" Line	\$ 218,000	N4
	<b>\$ 680,765</b>	

NOTE:

(1) Projected balance in BR&IF at 1/1/2008 - \$500,000

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

2008 WATER SYSTEM UPGRADE PROJECTS

**BENNER PIKE WATERLINE RELOCATION (PENN DOT) - \$12,000**

Penn DOT incorporated work in the Benner Pike widening project to relocate the main line from the Nittany Mall to Shiloh Road. Penn DOT will pay for 90% of the water line work. The Authority will need to pay the remaining 10% of the actual cost. The project was completed in 2007, with payment of the 10% cost expected in 2008.

**LENOR DRIVE - \$38,500**

There is an existing 4" main line to the fire hydrant at the end of Lenor Drive. The flow to the hydrant has decreased over the years from around 500 gpm to 300 gpm. Approximately 355' of 8" ductile iron pipe will be installed to replace the 4" pipe from Puddintown Road to the intersection of Oakmont Road. This will eliminate some 4" gate valves and upgrade the 4" connection at Oakmont Road which may be causing the flow restriction. The fire hydrant at Puddintown Road will be replaced and a new fire hydrant will be installed at the Oakmont Road intersection.

**E. BRANCH ROAD – Replace 2' Steel - \$107,206**

Replace the 2" steel line on both sides of E. Branch Road from Merry Hill Road to Rainlo Street. Connect to the existing 6" main line at the intersection of Merry Hill Road and Branch Road and install 500' of 8" DI pipe to just north of Rainlo Street. Install 7 new long side service lines and 6 new short side service lines. Abandon in place the 2" steel line. Both sections of the 2" line have required numerous leak repairs.

**HICKORY LANE - \$14,859**

Replace 200' of the 3/4" steel main line from Pike Street with 2" PVC pipe. Renew 2 short side service lines. Pavement restoration of Hickory Lane. This section of pipe has required numerous leak repairs.

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**PUDDINTOWN ROAD - \$8,700**

A section of the existing 3/4" line that serves three properties along Puddintown Road across from Meadow Lane is located under a house edition at 1719. This project would extend a 1" copper line across Puddintown Road and install three new 3/4" copper service lines to three properties. The interior plumbing at 1717 and 1719 would need to be changed for the new service line entrance to the houses. An easement would need to be acquired at the vacant lot next to 1717 for the new service lines. The line under the house edition would then be abandoned in place.

**SPRING STREET - \$91,355**

Replace the 2" steel line with approximately 630' of 6" ductile iron pipe from the existing 6" AC pipe at 156 Spring Street to Puddintown Road. Connect 5 long side service lines to the new line which are believed to be good copper and install a new corporation stop, curb stop valve and valve box to connect 7 short side service lines. Install a 2" blow off assembly at Puddintown Road. Numerous leak repairs have been made on this section of main line.

**PUDDINTOWN ROAD - \$46,310**

Connect to the existing 8" valve at the intersection of Puddintown Road and Houserville Road and install approximately 250 LF of 8" ductile iron pipe to the proposed new 8" line on Spring Street to loop the system in this area. Connect one short side service line and install a fire hydrant at the intersection of Spring Street and Puddintown Road.

**BERRY ALLEY - \$55,500**

The Township has contracted for the design of the Lemont Phase II Storm Drain Project. One option would be a new storm drain along the southern side of Berry Alley from Mary Street to Whitehill Street, which may include paving and curb construction of the alley. If the Township proceeds with this option, it is recommended that the

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

existing 4" main line be replaced with 8" ductile iron pipe. The project would include five service line connections and re-installing the fire hydrant.

2008 WATER SYSTEM MAINTENANCE/REPAIRS

**STRUBLE ROAD STORAGE TANK - \$46,400**

A leak has developed around the perimeter of the tank. It is estimated to be leaking 1-2 gallons per day. A visual inspection of the interior of the tank found a bolt leaking on the started ring. This area was re-sealed along with about 30 feet of the starter ring at the concrete slab joint, but this failed to stop the leak. It has been recommended by Mid Atlantic Storage Systems, Inc. to coat and seal the entire 81' diameter interior concrete slab including the starter ring as there may be a crack in the concrete or the sealant on the ring. The leak may also be connected to the piping in the tank. The cost for the sealing will be \$26,400. An additional \$20,000 is proposed for possible pipe replacement into the tank.

**DALE STREET RESERVOIR – Re-pave Apron - \$11,000**

Repair root damaged areas of the pavement and apply vegetation control material to reduce future damage from the crown vetch. Re-pave the entire apron area with 1 1/2" of 9.5 mm superpave asphalt mixture.

CAPITAL ASSET PURCHASES

**REPLACE 1994 CASE 580 BACKHOE - \$37,000**

Less trade	\$50,000 (2 year old rental backhoe)
	<u>\$13,000</u>
	\$37,000

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

The backhoe/loader is used for excavation is used for excavation of water lines for leak repairs and during new line construction projects. The backhoe is also used for snow removal operations at the pumping stations.

### **LIGHT TOWER - \$6,883**

The light tower would be used during nighttime emergency waterline repairs. The unit has a 3 cylinder diesel engine and a light tower with four 1000 watt metal halide lamps designed for large coverage area of the work site. The tower can be extended from 12' to 30' and the unit includes a 6 KW generator with selectable 120/240 volt output to operate power tools. The generator on this unit could be used as an emergency power supply for the Struble Road remote transmitter unit which is the repeater site for the SCADA system.

### **PURCHASE 55 RESIDENTIAL METERS - \$6,380**

The upgrade and maintenance of customer water meters is essential in tracking the efficiency of the Water System and protecting the revenue of the Authority. The accuracy of the water meters needs to be monitored, and the meters themselves are periodically replaced and/or upgraded over time. The College Township Water Authority has had a meter replacement program in place since 1997. The capital purchase of 55 additional meters will allow the Authority to continue the replacement program of all residential meters.

### **TRIPOD FALL PROTECTION & RESCUE SYSTEM - \$3,700**

The tripod includes a winch to raise and lower personnel, two vest style full body harnesses for two employees and a lanyard for rescue and retrieval applications. The tripod safety system would be used for confined space entry into the RPVs. The purchase of this safety equipment was proposed a few years ago, but funds were used to purchase the gas monitor for confined space entry after receiving a grant from Wal-Mart.

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**RADIO REPLACEMENTS - \$4,150**

Both utility trucks have a Motorola Spectra model radio. Parts for repair are no longer available for these radios. Based on the recommendation from Com Pros, our radio vendor and repair service, replacement units should be a Motorola Model XTL 1500 mobile for use with the County 800 MHZ system. These radios cost \$2,075 each under the State Contract which includes programming and installation. The radios for the backhoe and van have previously been replaced.

**FUTURE PROJECTS**

**REPLACE ELM STREET 2" LINE - (SECTION OF ELM STREET TO MERRYHILL ROAD LOOP) - \$43,115**

Replace existing 2" steel line from Shady Drive with 8" ductile iron pipe. Install 8 new service lines.

**CLYDE AVENUE - \$70,150**

Replace approximately 790 LF of 12" PVC pipe with 12" ductile iron pipe from the Struble Road intersection to the fire hydrant on Clyde Avenue.

**STRUBLE ROAD TRANSMISSION REPAIR - PHASE II and III - \$133,500**

It is proposed that this project would be completed in three phases. Phase I of the project was completed in 2006 from the storage tank to Jalice Circle. The future Phase II would be 535' from Jalice Circle to Carolean Industrial Drive (estimated cost \$58,500). Phase III would be 770' from Carolean Industrial Drive to Clyde Avenue (estimated cost \$75,000). Nothing is budgeted for this project in 2008.

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**OAK HALL WATER SYSTEM UPGRADE (PHASE I) - \$216,000**

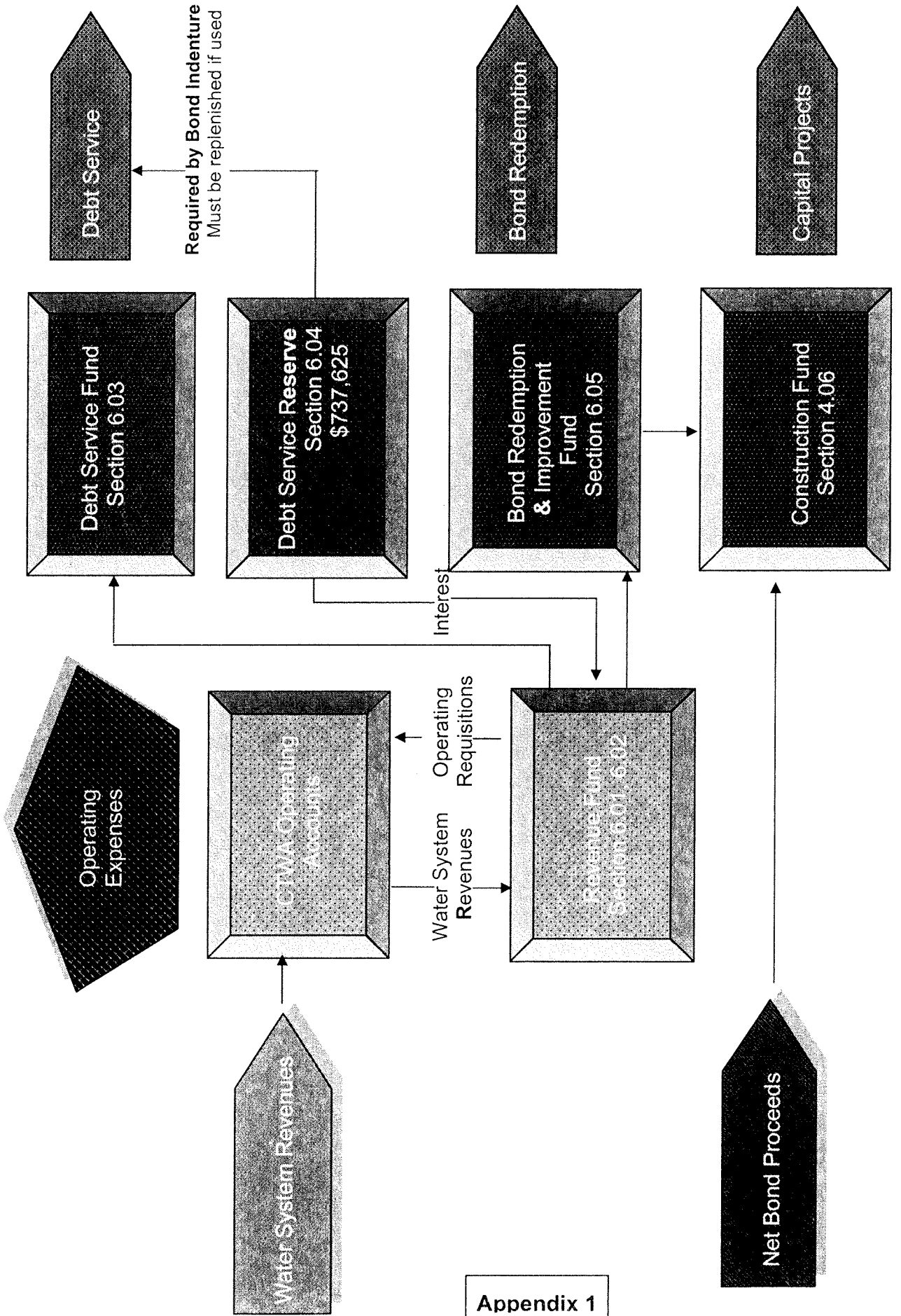
The Oak Hall Water Association was a privately held water system within College Township that provided water service to its 40 customers from a spring on Nittany Mountain. In the mid 1990s Oak Hall was notified by the Pennsylvania Department of Environmental Protection (PADEP) that it was in violation of the Surface Water Treatment Rule since it was utilizing an unfiltered surface water source. The Oak Hall distribution system consists of 1 – ½ inch to 3-inch piping and had been installed in the 1970s and 1980s primarily by the members of the Association.

In order to bring this system into regulatory compliance, in 2002 the College Township Water Authority extended a 12-inch transmission main to the Oak Hall Water Association distribution system and assumed ownership and water supply responsibilities for this service area. The Authority intends to upgrade the Oak Hall distribution system to acceptable water industry standards, either through a single or series of projects over the next several years.

**REPLACE ELM STREET AND MERRYHILL ROAD 2" LINE - \$218,000**

Replace existing 2" steel line from Shady Drive on Elm Street and from the fire hydrant on Merryhill Road with 8" ductile iron pipe. Install 20 new service lines. The existing 2" lines are not connected. The new 8" line would be a loop in the system from the Shady Drive 8" line to the East Branch Road 6" line.

# CTWA Flow Of Funds (Trustee Account)



COLLEGE TOWNSHIP WATER AUTHORITY  
SERIES OF 2003

DEBT SERVICE SCHEDULE

Date	Principal	Coupon	Interest	Total P+I
1/01/2004	210,000.00	3.250%	65,741.46	275,741.46
7/01/2004	-	-	193,811.88	193,811.88
1/01/2005	170,000.00	3.250%	193,811.88	363,811.88
7/01/2005	-	-	191,049.38	191,049.38
1/01/2006	175,000.00	3.250%	191,049.38	366,049.38
7/01/2006	-	-	188,205.63	188,205.63
1/01/2007	180,000.00	3.250%	188,205.63	368,205.63
7/01/2007	-	-	185,280.63	185,280.63
1/01/2008	185,000.00	3.250%	185,280.63	370,280.63
7/01/2008	-	-	182,274.38	182,274.38
1/01/2009	355,000.00	3.250%	182,274.38	537,274.38
7/01/2009	-	-	176,505.63	176,505.63
1/01/2010	370,000.00	3.250%	176,505.63	546,505.63
7/01/2010	-	-	170,493.13	170,493.13
1/01/2011	380,000.00	3.250%	170,493.13	550,493.13
7/01/2011	-	-	164,318.13	164,318.13
1/01/2012	395,000.00	3.250%	164,318.13	559,318.13
7/01/2012	-	-	157,899.38	157,899.38
1/01/2013	410,000.00	3.500%	157,899.38	567,899.38
7/01/2013	-	-	150,724.38	150,724.38
1/01/2014	425,000.00	3.500%	150,724.38	575,724.38
7/01/2014	-	-	143,286.88	143,286.88
1/01/2015	440,000.00	3.625%	143,286.88	583,286.88
7/01/2015	-	-	135,311.88	135,311.88
1/01/2016	455,000.00	3.750%	135,311.88	590,311.88
7/01/2016	-	-	126,780.63	126,780.63
1/01/2017	475,000.00	4.000%	126,780.63	601,780.63
7/01/2017	-	-	117,280.63	117,280.63
1/01/2018	495,000.00	4.000%	117,280.63	612,280.63
7/01/2018	-	-	107,380.63	107,380.63
1/01/2019	515,000.00	4.100%	107,380.63	622,380.63
7/01/2019	-	-	96,823.13	96,823.13
1/01/2020	535,000.00	4.125%	96,823.13	631,823.13
7/01/2020	-	-	85,788.76	85,788.76
1/01/2021	555,000.00	4.250%	85,788.76	640,788.76
7/01/2021	-	-	73,995.01	73,995.01
1/01/2022	580,000.00	4.375%	73,995.01	653,995.01
7/01/2022	-	-	61,307.50	61,307.50
1/01/2023	615,000.00	4.500%	61,307.50	676,307.50
7/01/2023	-	-	47,470.00	47,470.00
1/01/2024	510,000.00	4.500%	47,470.00	557,470.00
7/01/2024	-	-	35,995.00	35,995.00
1/01/2025	530,000.00	4.600%	35,995.00	565,995.00
7/01/2025	-	-	23,805.00	23,805.00
1/01/2026	560,000.00	4.600%	23,805.00	583,805.00
7/01/2026	-	-	10,925.00	10,925.00
1/01/2027	475,000.00	4.600%	10,925.00	485,925.00
<b>Total</b>	<b>9,995,000.00</b>	<b>-</b>	<b>5,719,166.66</b>	<b>15,714,166.66</b>