

# 2013 College Township Water Authority Budget

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Dale Street Reservoir

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# Operating Budget

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# Budget Summary

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**COLLEGE TOWNSHIP WATER AUTHORITY  
YEAR 2013 OPERATING BUDGET SUMMARY**

**OPERATING BUDGET SUMMARY**

	2006	2007	2008	2009	2010	2011	2012		2013
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>OPERATING INCOME</b>									
Water System Revenues	1,462,263	1,646,077	1,693,859	1,349,488	1,535,441	1,563,037	1,621,605	1,662,027	1,662,056
<b>OPERATING EXPENSES</b>									
Purification and Pumping	145,238	140,570	149,208	130,872	135,815	140,950	140,950	129,414	142,900
Distribution System	213,032	195,877	226,458	194,766	259,475	253,992	253,425	261,300	269,475
General Expense	295,667	308,830	295,096	338,010	359,875	397,731	420,485	418,645	441,766
<b>TOTAL OPERATING EXPENSES</b>	<b>653,937</b>	<b>645,277</b>	<b>670,762</b>	<b>663,648</b>	<b>755,165</b>	<b>792,673</b>	<b>814,860</b>	<b>809,359</b>	<b>854,141</b>
<b>OPERATING MARGIN</b>	<b>808,326</b>	<b>1,000,800</b>	<b>1,023,097</b>	<b>685,840</b>	<b>780,276</b>	<b>770,364</b>	<b>806,745</b>	<b>852,668</b>	<b>807,915</b>
<b>NON-OPERATING INCOME (EXPENSE)</b>	<b>82,433</b>	<b>72,608</b>	<b>47,660</b>	<b>25,223</b>	<b>6,027</b>	<b>4,824</b>	<b>3,000</b>	<b>1,000</b>	<b>5,000</b>
	<b>890,759</b>	<b>1,073,408</b>	<b>1,070,757</b>	<b>711,063</b>	<b>786,303</b>	<b>775,188</b>	<b>809,745</b>	<b>853,668</b>	<b>812,915</b>
<b>LESS: DEBT SERVICE REQUIREMENT</b>	<b>556,411</b>	<b>441,330</b>	<b>432,928</b>	<b>423,111</b>	<b>402,242</b>	<b>376,904</b>	<b>727,173</b>	<b>727,173</b>	<b>723,873</b>
	<b>334,348</b>	<b>632,078</b>	<b>637,829</b>	<b>287,952</b>	<b>384,061</b>	<b>398,284</b>	<b>82,572</b>	<b>126,495</b>	<b>89,042</b>
<b>LESS: DISCRETIONARY CAPITAL ITEMS</b>							<b>22,295</b>	<b>25,000</b>	<b>86,990</b>
<b>AVAILABLE FOR: Contingencies and Reserve</b>							<b>60,277</b>	<b>101,495</b>	<b>2,052</b>
<b>ALLOWABLE OPERATING REQUISITIONS</b>									

<b>Calculation of Required Coverage (Section 5.01)</b>				
Water System Revenues		1,621,605	1,662,027	1,662,056
Investment Income		3,000	1,000	5,000
		<b>1,624,605</b>	<b>1,663,027</b>	<b>1,667,056</b>
Administrative and operating expenses		814,860	809,359	854,141
110% of Debt Service Requirement		799,890	799,890	796,260
		<b>1,614,750</b>	<b>1,609,249</b>	<b>1,650,401</b>
Excess Coverage		<b>9,855</b>	<b>53,778</b>	<b>16,655</b>

# Operating Income

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**OPERATING INCOME**

	2007	2008	2009	2010	2011	2012		2013
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b><u>WATER SYSTEM REVENUES</u></b>								
<b>METERED WATER REVENUES</b>								
378.110 Metered Water Revenues - Residential	633,429	638,160	632,052	717,258	712,142	737,500	728,000	768,600
378.120 Metered Water Revenues - Commercial	250,285	223,313	243,537	272,542	285,115	295,000	296,500	307,440
378.130 Metered Water Revenues - Industrial	161,914	92,555	71,793	71,189	75,610	76,700	72,500	75,640
378.140 Metered Water Revenues - Other Public	12,999	12,296	10,005	18,354	16,894	17,110	20,000	21,472
378.141 Metered Water Revenues - SCI Rockview	182,204	235,330	103,272	125,000	128,500	132,000	132,000	136,500
378.142 Metered Water Revenues - UAJA BRW	0	57,627	44,001	40,486	61,174	61,944	62,446	67,034
<b>Subtotal</b>	<b>1,240,831</b>	<b>1,259,281</b>	<b>1,104,660</b>	<b>1,244,829</b>	<b>1,279,435</b>	<b>1,320,254</b>	<b>1,311,446</b>	<b>1,376,686</b>
<b>FIRE SERVICES</b>								
378.405 Fire Services - CTWA Hydrants	66,733	68,427	69,659	84,249	85,045	85,239	85,239	85,608
378.410 Fire Services - Private Hydrants	4,883	4,883	5,037	5,081	4,773	4,312	4,312	4,312
378.420 Fire Services - Sprinkler Fire Lines	131,713	134,681	136,210	146,933	149,425	152,450	152,450	151,100
<b>Subtotal</b>	<b>203,329</b>	<b>207,991</b>	<b>210,906</b>	<b>236,263</b>	<b>239,243</b>	<b>242,001</b>	<b>242,001</b>	<b>241,020</b>
<b>OTHER WATER RELATED REVENUES</b>								
378.300 Penalties	11,454	11,416	14,115	13,812	13,699	14,000	13,950	14,000
378.500 Water Main Connection Fees	13,003	35,756	11,943	32,761	7,619	40,000	91,780	25,000
378.505 Capital Recovery - SCI Rockview	163,678	170,255	0	0	0	0	0	0
378.510 Meter Sales and Installations	0	0	0	0	0	0	0	0
380.000 Miscellaneous	13,782	9,160	7,864	7,776	23,041	5,350	2,850	5,350
<b>Subtotal</b>	<b>201,917</b>	<b>226,587</b>	<b>33,922</b>	<b>54,349</b>	<b>44,359</b>	<b>59,350</b>	<b>108,580</b>	<b>44,350</b>
<b>TOTAL WATER SYSTEM REVENUES</b>	<b>1,646,077</b>	<b>1,693,859</b>	<b>1,349,488</b>	<b>1,535,441</b>	<b>1,563,037</b>	<b>1,621,605</b>	<b>1,662,027</b>	<b>1,662,056</b>

OPERATING REVENUES

**METERED WATER REVENUE**

Effective January 1, 2013, water consumption is proposed to be billed to the majority of its customers for each meter at \$6.10 per 1,000 gallons consumed, a 3.4% increase over the 2012 rate of \$5.90.

**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. The initial contract rate, which was fixed for a period of 5 years, now adjusts on an annual basis. The rate for 2013 will be \$2.73 per thousand gallons. Potable water was first made available on June 9, 2004.

**UAJA:** The Authority has entered an agreement with the UAJA concerning water distribution by UAJA to existing and/or future customers of the Authority. For all UAJA service to CTWA customers existing as CTWA customers as of December 31, 2007, CTWA shall be paid its customary rate per gallon less the cost of purification and pumping. The rate will adjust annually, consistent with CTWA's rate structure and purification and pumping costs. The rate for 2013 will be \$5.54 per thousand gallons. For all UAJA service to CTWA customers not existing as CTWA customers as of December 31, 2007, the parties agree to negotiate and resolve any reimbursement due to CTWA on a case-by-case basis in a reasonably timely fashion.

The number and types of customers expected to be served by the Authority during 2013, along with the total billed usage for those customer classes, is as shown in the following table:

<u>CUSTOMER CLASS</u>	<u>NUMBER</u>	<u>BILLING USAGE (GALLONS)</u>	<u>REVENUE</u>
Residential	2,406	126,000,000	\$768,600
Commercial	323	50,400,000	307,440
Industrial	16	12,400,000	75,640
Other	<u>15</u>	<u>3,520,000</u>	<u>21,472</u>
	<b>2,760</b>	<b>192,320,000</b>	<b>\$ 1,173,152</b>
UAJA – Beneficial Reuse	3	12,100,000	67,034
SCI-Rockview	<u>1</u>	<u>50,000,000</u>	<u>136,500</u>
<b>TOTAL</b>	<b><u>2,764</u></b>	<b><u>254,420,000</u></b>	<b><u>\$ 1,376,686</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 2013:

<u>HYDRANTS</u>	<u>NUMBER</u>	<u>ANNUAL CHARGE</u>	<u>REVENUE</u>
Hydrants – Authority owned and maintained	232	\$ 369	<u>\$85,608</u>
Hydrants – Privately owned and maintained	14	\$ 308	<u>\$ 4,312</u>
<u>STANDBY FIRE LINES</u>	<u>NUMBER</u>	<u>ANNUAL CHARGE</u>	<u>REVENUE</u>
Sprinkler – 4” fire service	16	\$ 1,349	\$21,584
Sprinkler – 6” fire service	24	\$ 2,698	64,752
Sprinkler – 8” fire service	<u>12</u>	\$ 5,397	<u>64,764</u>
	52		<u>\$151,100</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 customer's 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 required 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 was made on 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.

### **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.

# Pumping & Purification Expense

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**PURIFICATION AND PUMPING EXPENSES**

	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED	2011 AUDITED	2012		2013
							BUDGET	EXPECTED	PROPOSED
<b><u>PURIFICATION EXPENSE</u></b>									
448.201 Operating Supplies and Exp-Mt Nittany Contac	0	0	0	0	0	0	0	0	0
448.202 Chemical Purchases	24,131	25,397	22,565	21,323	21,460	18,299	23,000	22,500	23,000
448.203 Power Purchased - Mt Nittany Contact Tank	0	0	0	0	0	0	0	0	0
448.204 Water Analysis	14,034	11,809	17,972	15,243	8,685	20,055	22,000	12,000	18,000
448.205 Equipment Maintenance - Mt Nittany Contact T	0	0	0	0	0	0	0	0	0
448.206 Structure Maintenance - Mt Nittany Contact Ta	0	0	0	0	0	0	0	0	0
<b>TOTAL PURIFICATION</b>	<b>38,165</b>	<b>37,206</b>	<b>40,537</b>	<b>36,566</b>	<b>30,145</b>	<b>38,354</b>	<b>45,000</b>	<b>34,500</b>	<b>41,000</b>
<b><u>PUMPING EXPENSE</u></b>									
<b>PUDDINTOWN STATION</b>									
448.311 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.312 Power Purchased	51	0	0	180	56	12	90	4	90
448.313 Equipment Maintenance	0	0	0	0	0	0	0	0	0
448.314 Structure Maintenance	0	0	612	204	204	204	250	0	250
<b>Subtotal</b>	<b>51</b>	<b>0</b>	<b>612</b>	<b>384</b>	<b>260</b>	<b>216</b>	<b>340</b>	<b>4</b>	<b>340</b>
<b>MATILDA BOOSTER STATION</b>									
448.321 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.322 Power Purchased	1,416	1,262	1,656	1,315	883	805	900	750	900
448.323 Equipment Maintenance	13	0	38	0	0	25	250	100	250
448.324 Structure Maintenance	0	0	118	0	952	0	150	50	150
<b>Subtotal</b>	<b>1,429</b>	<b>1,262</b>	<b>1,812</b>	<b>1,315</b>	<b>1,835</b>	<b>830</b>	<b>1,300</b>	<b>900</b>	<b>1,300</b>
<b>LEMONT BOOSTER STATION</b>									
448.331 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.332 Power Purchased	3,669	2,802	3,212	2,777	2,763	4,002	3,000	2,900	3,000
448.333 Equipment Maintenance	0	3,417	1,536	179	0	1,387	2,000	2,800	2,200
448.334 Structure Maintenance	74	148	945	289	214	377	1,000	500	1,000
<b>Subtotal</b>	<b>3,743</b>	<b>6,367</b>	<b>5,693</b>	<b>3,245</b>	<b>2,977</b>	<b>5,766</b>	<b>6,000</b>	<b>6,200</b>	<b>6,200</b>
<b>SPRING CREEK PARK WELL</b>									
448.361 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.362 Power Purchased	26,258	31,208	32,691	32,361	35,473	32,879	25,000	29,200	35,000

**PURIFICATION AND PUMPING EXPENSES**

	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED	2011 AUDITED	2012		2013
							BUDGET	EXPECTED	PROPOSED
448.363 Equipment Maintenance	8,474	4,088	5,376	3,269	9,276	4,638	7,500	6,800	7,500
448.364 Structure Maintenance	415	0	310	101	0	486	500	500	500
448.365 Well Monitoring Costs	3,652	6,816	0	3,540	106	0	0	0	0
448.367 Easement Costs	5,000	5,000	5,000	5,610	5,610	5,610	5,610	5,610	5,610
<b>Subtotal</b>	<b>43,799</b>	<b>47,112</b>	<b>43,377</b>	<b>44,881</b>	<b>50,465</b>	<b>43,613</b>	<b>38,610</b>	<b>42,110</b>	<b>48,610</b>
<b>ROGERS WELL</b>									
448.371 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.372 Power Purchased	34,575	37,641	45,061	37,196	37,956	26,354	40,000	36,000	35,000
448.373 Equipment Maintenance	3,163	423	231	2,250	2,757	5,510	2,000	3,750	2,750
448.374 Structure Maintenance	1,715	626	234	12	4,373	441	1,000	250	1,000
448.375 Well Monitoring Costs	18,598	9,933	11,651	5,023	4,792	4,100	5,500	5,500	5,500
<b>Subtotal</b>	<b>58,051</b>	<b>48,623</b>	<b>57,177</b>	<b>44,481</b>	<b>49,878</b>	<b>36,405</b>	<b>48,500</b>	<b>45,500</b>	<b>44,250</b>
<b>OAK HALL WELLS</b>									
448.391 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.392 Power Purchased	0	0	0	0	0	0	0	0	0
448.393 Equipment Maintenance	0	0	0	0	0	0	0	0	0
448.394 Structure Maintenance	0	0	0	0	0	0	0	0	0
448.395 Well Monitoring Costs	0	0	0	0	0	0	0	0	0
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>INTERCONNECTIONS - SCBWA ,PSU, and BELLEFONTE</b>									
448.386 Purchased Water	0	0	0	0	0	0	1,000	100	1,000
448.388 Interconnection Maintenance	0	0	0	0	255	0	200	100	200
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>255</b>	<b>0</b>	<b>1,200</b>	<b>200</b>	<b>1,200</b>
<b>TOTAL PUMPING</b>	<b>107,073</b>	<b>103,364</b>	<b>108,671</b>	<b>94,306</b>	<b>105,670</b>	<b>86,830</b>	<b>95,950</b>	<b>94,914</b>	<b>101,900</b>
<b>TOTAL PURIFICATION AND PUMPING</b>	<b>145,238</b>	<b>140,570</b>	<b>149,208</b>	<b>130,872</b>	<b>135,815</b>	<b>125,184</b>	<b>140,950</b>	<b>129,414</b>	<b>142,900</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 chlorine, corrosion inhibitor, and other chemicals used to treat water.

**448.203 POWER PURCHASED – MT. NITTANY**

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

**448.204 WATER ANALYSIS**

This line item covers the cost of testing water samples collected throughout the entire water system at EPA and DEP approved labs. Also includes endocrine disruptor testing of the UAJA's beneficial reuse water.

**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**

At this time, the Puddintown station is not operational.

**448.312 POWER PURCHASED**

This account covers the cost of electricity.

**448.313 EQUIPMENT MAINTENANCE**

At this time, the Puddintown station is not operational.

**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 used in this facility 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 facility.

**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 facility.

**448.332 POWER PURCHASED**

This account covers the cost of electricity 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 facility.

**448.334 STRUCTURE MAINTENANCE**

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

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 facility.

**448.362 POWER PURCHASED**

This account covers the cost of electricity 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 facility.

**448.365 WELL MONITORING COST**

The well monitoring plan was required by DEP during a four year period from the start up of the station in November 2001 to November 2005. Therefore, nothing is budgeted for this account at this time. Provides for the services of a hydrogeologist used for various purposes from time to time.

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 paid the Township an annual fee of \$5,000 beginning 11/29/06. The fee is to be used for park and recreation purposes. As required by the agreement, the fee adjusted to \$5,610 in 2009, and then will adjust 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 facility.

**448.372 POWER PURCHASED**

This account covers the cost of electricity 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**

PURIFICATION AND PUMPING EXPENSES

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

**448.375 WELL MONITORING COST**

This account consists primarily of costs incurred in conducting monitoring as required by DEP. It also provides for the services of a hydrogeologist used for various purposes from time to time.

**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 either backup source.

**448. 388 INTERCONNECTION MAINTENANCE**

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

# Distribution System Expense

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**DISTRIBUTION SYSTEM EXPENSES**

	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED	2011 AUDITED	2012 BUDGET EXPECTED		2013 PROPOSED
<b>STORAGE-DALE ST RESERVOIR</b>									
448.341 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.342 Power Purchased	285	379	438	113	266	153	150	150	150
448.343 Equipment Maintenance	3,555	80	5,701	1,659	0	26	1,000	50	1,000
448.344 Structure Maintenance	4,009	2,286	8,855	304	3,184	404	1,000	500	1,000
<b>Subtotal</b>	<b>7,849</b>	<b>2,745</b>	<b>14,994</b>	<b>2,076</b>	<b>3,450</b>	<b>583</b>	<b>2,150</b>	<b>700</b>	<b>2,150</b>
<b>STORAGE-STRUBLE RD TANK</b>									
448.351 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0
448.352 Power Purchased	0	0	0	289	152	309	275	275	275
448.353 Equipment Maintenance	0	0	0	1,443	0	1,135	1,750	500	750
448.354 Structure Maintenance	0	0	57	530	0	0	1,000	0	500
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>2,262</b>	<b>152</b>	<b>1,444</b>	<b>3,025</b>	<b>775</b>	<b>1,525</b>
<b>MAINTENANCE-DISTRIBUTION SYSTEM</b>									
448.475 Maintenance of Distribution / Trans Mains	29,283	20,902	14,073	8,710	52,536	34,924	21,000	16,750	18,100
448.490 Maintenance of Service Lines	17,607	5,382	9,913	18,831	14,986	11,623	14,000	9,250	12,000
448.495 Dumping Fees	0	0	0	0	0	0	0	0	2,900
448.510 Maintenance of Hydrants	673	4,962	2,186	1,394	3,099	695	3,000	1,000	2,000
448.530 Meter Supplies and Maintenance	2,041	2,090	1,370	2,392	2,059	3,525	2,500	2,000	2,500
448.532 PRV - Penn Hills	0	0	0	0	11	17	300	1,200	500
448.534 PRV - Independence Place	0	845	2	0	0	0	300	900	500
448.536 PRV - Oak Hall	189	845	279	1,693	0	0	300	350	500
448.537 PRV - Rockview North	110	115	0	85	1,281	75	300	1,275	500
448.538 PRV - Rockview South	91	217	0	0	0	0	300	150	500
448.539 PRV - Bellefonte Interconnect	0	0	0	76	0	0	300	150	500
448.541 PRV - Nittany Commons	0	0	0	0	0	0	300	1,000	500
<b>Subtotal</b>	<b>49,994</b>	<b>35,358</b>	<b>27,823</b>	<b>33,181</b>	<b>73,972</b>	<b>50,859</b>	<b>42,600</b>	<b>34,025</b>	<b>41,000</b>
<b>GENERAL-DISTRIBUTION SYSTEM</b>									
448.181 Contract Labor - College Twp Personnel	26,318	35,359	40,711	24,365	33,523	46,247	36,000	52,000	45,000
448.540 Contract Labor - Technicians	117,536	114,104	127,111	122,848	132,438	136,134	145,000	150,500	154,000
448.556 Leak Detection Services	5,343	0	2,311	0	0	92	5,000	2,500	3,000
448.575 R-O-W, Regulatory Compliance	581	726	2,142	1,692	2,119	2,314	5,500	5,600	5,600
448.648 Pa One Call Service	780	1,163	1,152	783	1,120	843	1,200	1,450	1,500
448.760 Small Tools and Minor Equipment	4,383	1,856	3,541	1,224	5,640	7,748	2,000	1,250	2,750
448.761 Repairs and Maintenance-Water Equip	0	4,107	2,750	5,060	6,791	7,463	10,000	12,000	12,000
448.762 Safety Equipment	248	459	3,866	1,275	270	265	950	500	950
<b>Subtotal</b>	<b>155,189</b>	<b>157,774</b>	<b>183,584</b>	<b>157,247</b>	<b>181,901</b>	<b>201,106</b>	<b>205,650</b>	<b>225,800</b>	<b>224,800</b>
<b>TOTAL DISTRIBUTION SYSTEM</b>	<b>213,032</b>	<b>195,877</b>	<b>226,458</b>	<b>194,766</b>	<b>259,475</b>	<b>253,992</b>	<b>253,425</b>	<b>261,300</b>	<b>269,475</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 this facility.

**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 located at this site. 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 other structures at this facility.

**STORAGE – STRUBLE ROAD TANK**

**448.351      OPERATING SUPPLIES AND EXPENSE**

This line item covers the cost of miscellaneous supplies specific to this facility.

## 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 located at this site. SCADA System components are considered to be equipment.

### **448.354 STRUCTURE MAINTENANCE**

This line item covers the cost incurred in repairing and maintaining 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.

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.

**DISTRIBUTION SYSTEM EXPENSES**

**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.

**448.495      DUMPING FEES**

Excavated waste material from project and maintenance work is hauled to the Stone Valley Construction fill site at Shiloh Road. In past years, there has not been a fee to dump at this site. However, beginning in 2012 Stone Valley began charging Municipalities and Authorities the dumping fee at the rate of \$38.50 per load. It is estimated for 2013 that 75 loads of waste material will be hauled to the site for a total cost of \$2,900.

**448.510      MAINTENANCE OF HYDRANTS**

This item covers the cost incurred in maintaining, including painting fire hydrants. Currently, the authority maintains 232 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 Baldwin Street for the Oak Hall system.

**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.

**448.541      PRV – NITTANY COMMONS**

This line item covers the cost in maintaining the pressure reducing valve located at Nittany Commons.

**DISTRIBUTION SYSTEM EXPENSES**

**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.

**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 acquiring right of ways, producing the annual consumer confidence report, various permits required by state and federal regulatory bodies, fees associated with DEP (\$3,000) 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 2013, the following costs are as follows:

#### **Hach Company Service Agreement - \$3,680**

This agreement would provide four on-site preventive maintenance visits per year, once each quarter, to service the chlorine analyzers and the turbidimeters at the Spring Creek Park Station and Rogers Well in 2013. 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.

#### **Tri-Star – SCADA Maintenance Agreement - \$7,970**

This agreement will provide two working days/trips per year as requested by a Tri-Star 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. \$4,000 has been included for repairs and parts.

**DISTRIBUTION SYSTEM EXPENSES**

**Tri-Star Agreement \$3,970.00**

**Repairs/Parts \$4,000.00**

**\$7,970.00**

**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 hazards, correct workplace hazards and increase safety awareness in the workplace. \$950 is budgeted for items identified by the committee during 2013 that will serve to increase safety in the work place.

# General Expense

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**GENERAL EXPENSES**

	2006	2007	2008	2009	2010	2011	2012		2013
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>OFFICE</b>									
448.600 Contract Labor - Billing and Cust Serv	38,280	40,478	37,054	31,058	45,232	47,037	48,000	54,000	55,500
448.605 Contract Labor - College Twp Personnel	6,208	7,721	8,508	10,038	11,272	11,942	11,000	13,000	13,500
448.610 Contract Labor - Meter Reading	3,877	5,782	10,997	12,930	10,841	9,444	10,500	7,500	8,000
448.612 Professional Employment Services	0	0	1,468	11,742	386	0	0	0	0
448.620 Office and Other Supplies	3,084	1,939	2,301	4,681	1,895	2,303	3,750	2,450	3,000
448.621 Computer and Software Maintenance	2,497	6,100	4,384	4,564	6,347	6,818	6,700	5,500	6,000
448.625 Postage and Freight Charges	5,100	4,531	4,403	4,100	4,510	4,351	4,500	5,000	5,000
448.641 Advertising	584	3,254	1,004	653	647	1,836	1,000	500	1,000
448.643 Internet and Email	1,157	1,362	1,535	1,714	1,737	1,727	1,750	1,900	2,100
448.645 Telephone	2,127	2,208	1,862	1,630	1,712	1,794	2,000	2,450	2,450
448.647 Cellular Phone	763	420	548	487	560	985	800	800	800
448.655 Uncollectible Accounts	(496)	1,251	1,806	-1,286	285	-651	0	0	0
<b>Subtotal</b>	<b>63,181</b>	<b>75,046</b>	<b>75,870</b>	<b>82,311</b>	<b>85,424</b>	<b>87,586</b>	<b>90,000</b>	<b>93,100</b>	<b>97,350</b>
<b>GENERAL PROPERTY</b>									
448.702 Vehicle Repairs and Maintenance	4,721	8,119	7,496	2,626	2,549	3,485	5,000	3,250	4,000
448.731 Vehicle Fuels: Gas, Diesel, Oil, Etc	4,062	4,251	5,741	3,082	4,526	7,322	6,000	9,000	9,000
448.735 Repairs of Tools and Machinery	345	309	117	15	617	387	750	500	750
448.740 Materials and Supplies	1,267	2,322	2,064	2,606	1,845	1,748	2,950	2,250	2,950
448.765 Radio/Paging Equipment and Maint	221	237	4,024	180	150	384	450	450	450
448.770 Rental of Equipment	4,887	11,712	1,523	3,351	6,052	7,356	7,000	2,000	3,500
<b>Subtotal</b>	<b>15,503</b>	<b>26,950</b>	<b>20,965</b>	<b>11,860</b>	<b>15,739</b>	<b>20,682</b>	<b>22,150</b>	<b>17,450</b>	<b>20,650</b>
<b>ENGINEERING AND PROFESSIONAL</b>									
448.810 Engineering - Consulting	34,054	21,656	19,795	29,243	32,083	40,602	35,000	38,000	38,750
448.818 Engineering - Inspection	0	2,523	0	0	0	0	0	0	0
448.840 Accounting and Audit	11,765	15,060	12,868	18,059	14,640	12,475	15,000	14,500	15,500
448.845 Legal	495	1,210	647	5,556	4,795	8,470	9,000	8,500	9,000
448.850 Professional - Other	0	1,600	1,600	1,600	800	0	1,200	1,200	1,200
<b>Subtotal</b>	<b>46,314</b>	<b>42,049</b>	<b>34,910</b>	<b>54,458</b>	<b>52,318</b>	<b>61,547</b>	<b>60,200</b>	<b>62,200</b>	<b>64,450</b>

**GENERAL EXPENSES**

	2006	2007	2008	2009	2010	2011	2012		2013
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>TAXES, BENEFITS, AND INSURANCE</b>									
448.615 Training - Distribution and Office	229	798	240	58	300	488	750	0	500
448.618 Conventions	1,335	1,373	1,145	980	1,050	1,020	1,500	1,020	1,050
448.738 Clothing and Uniforms	2,079	2,364	1,413	1,977	2,080	2,614	2,250	2,275	2,275
448.802 Dues, Subscriptions, and Memberships	2,151	2,215	2,401	2,460	2,171	2,202	2,500	2,350	2,500
448.855 Insurance Policies	21,228	12,518	14,990	19,644	25,265	22,063	26,500	25,500	26,500
448.858 Workers' Compensation Insurance	10,384	11,738	0	6,627	8,718	8,790	12,000	10,000	12,000
448.860 Pension Expense	10,487	11,347	8,102	11,572	11,931	14,305	15,000	15,400	16,300
448.865 Bond	0	0	0	0	0	152	200	165	175
448.870 Medical / Dental Insurance	37,615	36,265	44,438	52,186	60,094	79,108	83,000	85,000	88,150
448.871 Health Insurance Opt-Out Program	0	0	0	0	0	0	3,000	3,200	3,326
448.875 Group Term Life/Disability Insurance	3,244	2,858	3,867	3,399	3,866	3,552	4,200	4,150	4,300
448.880 Payroll Taxes - FICA	13,002	12,741	13,820	13,459	14,880	15,148	15,500	16,200	16,500
448.881 Unemployment Compensation Insurance	1,129	549	638	1,960	1,080	1,181	1,275	1,275	2,950
<b>Subtotal</b>	<b>102,883</b>	<b>94,766</b>	<b>91,054</b>	<b>114,322</b>	<b>131,435</b>	<b>150,623</b>	<b>167,675</b>	<b>166,535</b>	<b>176,526</b>
<b>MISCELLANEOUS</b>									
448.885 Operational and Management Agreement	67,057	69,396	72,072	74,820	74,820	77,160	78,960	78,960	81,540
480.470 Miscellaneous	660	592	225	239	32	133	1,000	150	750
481.460 Board, Staff, and Professional Meetings	69	31	0	0	107	0	500	250	500
<b>Subtotal</b>	<b>67,786</b>	<b>70,019</b>	<b>72,297</b>	<b>75,059</b>	<b>74,959</b>	<b>77,293</b>	<b>80,460</b>	<b>79,360</b>	<b>82,790</b>
<b>TOTAL GENERAL EXPENSE</b>	<b>295,667</b>	<b>308,830</b>	<b>295,096</b>	<b>338,010</b>	<b>359,875</b>	<b>397,731</b>	<b>420,485</b>	<b>418,645</b>	<b>441,766</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 75% of the Finance Office Assistant's wages. In prior years, prior to reassignment of EIT collection to the Centre Tax Agency, a larger percentage of the Finance Office Assistant's wages were allocated to the tax department.

**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, special project accounting, and scheduled overtime incurred for attendance at Authority meetings by the recording secretary.

**448.610 CONTRACT LABOR – METER READER**

This line item covers the wages incurred for the part-time meter reader (non-exempt) which requires approximately 200 hours per quarter. In addition to reading meters, this position performs other maintenance functions such as mowing, trimming, weeding, and painting. 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, 50% of the notification software, 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 Borough of State College, CATA, Centre Region COG, and the townships entered into an Intermunicipal agreement in 2012 for the operation and maintenance of a Local Area Network/Wide Area Network joint network structure. The monthly cost to the township to benefit from this arrangement is approximately \$1,200

**GENERAL EXPENSES**

of which \$120 is borne by the CTWA and \$252 by the tax department. The township approved a policy in 2002 governing the use of the internet and email by employees.

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

Also, the Authority reimburses 2 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. Personal use is reimbursed via payroll deductions.

**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**

GENERAL EXPENSES

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

**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 and equipment. 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 system which is provided at no charge through the County. Each service vehicle has a radio. Additionally, one technician carries a pager. 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.

**448.840 ACCOUNTING AND AUDIT**

Outside auditor services in auditing the Authority's 2012 financial statements and preparing the 2012 Annual Report of Municipal Authorities is expected to cost \$12,750. An estimate of \$2,750 is included for professional consultation on other financial issues.

**448.845 LEGAL**

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

GENERAL EXPENSES

**448.850      PROFESSIONAL - OTHER**

This line item covers the annual trustee's fee of \$1,200 for administering the 2010 Trust.

**TAXES, BENEFITS, AND INSURANCE**

**448.615      TRAINING – DISTRIBUTION AND OFFICE**

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

**448.738      CLOTHING AND UNIFORMS**

This account covers the following for the Authority's technicians: 1) renting and laundering uniforms, 2) \$300 bi-annual boot allowance, 3) winter jacket replacement allowance, 4) insignia shirts for field identification and 5) \$350 bi-annual safety glasses allowance.

**448.802      DUES, SUBSCRIPTIONS, AND MEMBERSHIPS**

## GENERAL EXPENSES

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 the Trust Indenture dated December 1, 2010, 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.

### **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.

**GENERAL EXPENSES**

**448.870      MEDICAL/ DENTAL/VISION INSURANCE**

This line item accounts for the Authority's share of the cost of providing health, dental, and vision insurance coverage for the Township employees.

The Township deducts a portion of the cost of the premium from the employee's paycheck. It should be noted that dental & vision rates remain the same as 2012, while health premiums increase approximately 3.8%.

**448.871      HEALTH INSURANCE OPT-OUT PROGRAM**

Starting in 2012, employees who choose to opt-out of the Township's health insurance will receive 20% of the Township's cost to cover the employee who has single coverage, or employee and family if they have family coverage. This will only apply to health insurance, and not to dental or vision coverage. Also, the additional payment to employee will not be included in their regular salary for pension purposes.

**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.

**448.880      PAYROLL TAXES – FICA**

This line item covers the Authority's share of the social security tax on employee wages. The 2013 rate is .062 of gross earnings up to \$113,700 per employee.

**GENERAL EXPENSES**

Also covered is the Authority's share of the Medicare tax on employee wages. The 2013 rate is .0145 of gross earnings.

**448.881      UNEMPLOYMENT COMPENSATION INSURANCE**

This covers the Authority's share of unemployment insurance, which is calculated to be 5.00% of an employee's first \$8,500 of earnings.

**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 will be \$6,795 per month.

**480.470      MISCELLANEOUS**

This line item includes \$500 for the cost of other miscellaneous or one-time expenses that cannot 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 (Exp)

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**NON-OPERATING INCOME (EXPENSE)**

	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>		<b>2013</b>
	<b>AUDITED</b>	<b>AUDITED</b>	<b>AUDITED</b>	<b>AUDITED</b>	<b>AUDITED</b>	<b>AUDITED</b>	<b>BUDGET</b>	<b>EXPECTED</b>	<b>PROPOSED</b>
<b>NON-OPERATING INCOME (EXPENSE)</b>									
341.000 Investment Income	62,760	59,300	40,943	24,420	6,027	4,824	3,000	1,000	5,000
341.050 Investment Income - SCI Rockview	19,673	13,308	6,717	803	0	0	0	0	0
<b>NET NON-OPERATING INCOME (EXP)</b>	<b>82,433</b>	<b>72,608</b>	<b>47,660</b>	<b>25,223</b>	<b>6,027</b>	<b>4,824</b>	<b>3,000</b>	<b>1,000</b>	<b>5,000</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 accounted 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 was made on 6/9/2009.

# Capital Budget

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College Township Water Authority  
 PLANNED CONSTRUCTION PROJECTS AND CAPITAL ASSET PURCHASES FOR 2013

2013 FUNDING

	2010 Construction Fund ( 1 )	Bond Redemp & Improve Fund ( 2 )	2013 Contingencies & Reserve	Total	GL A/C	Project #
<u>Water System Upgrade Projects</u>						
Re-Pave E. Branch Road Crossing	\$ -	\$ -	\$ 3,120	\$ 3,120	165.000	165-76
Elm Street	\$ -	\$ 47,085	\$ -	\$ 47,085	165.000	165-77
Limerock Terrace	\$ -	\$ 52,405	\$ -	\$ 52,405	165.000	165-78
Norle Street	\$ -	\$ -	\$ 14,510	\$ 14,510	165.000	165-79
Merryhill Road	\$ -	\$ 53,820	\$ -	\$ 53,820	165.000	165-80
Oak Hall Well Development - Permitting Work	\$ -	\$ 17,500	\$ -	\$ 17,500	165.000	165-64
<u>Water System Maintenance/Repairs</u>						
Spring Creek Park Well - Replace Well Pump Drop Pipe	\$ -	\$ -	\$ 10,300	\$ 10,300	165.000	165-74
Spring Creek Park Well/Rogers Well Chlorination System SCADA Controls	\$ -	\$ -	\$ 5,000	\$ 5,000	162.005	
Dale Street Reservoir Landscaping	\$ -	\$ -	\$ 15,000	\$ 15,000	162.005	
Struble Storage Tank Access Road (Deferred to 2014)	\$ -	\$ -	\$ -	\$ -	162.005	
Meters-Pressure Reducing Valves	\$ -	\$ -	\$ 6,160	\$ 6,160	162.005	
SCADA System	\$ -	\$ -	\$ 9,925	\$ 9,925	162.005	
Rogers Well Pump Replacement	\$ -	\$ 40,000	\$ -	\$ 40,000	162.005	
<u>Capital Asset Purchases</u>						
Cross Connection Control/Backflow Prevention Program	\$ -	\$ -	\$ 14,500	\$ 14,500	162.005	
Purchase 55 Residential Meters @ \$145 each	\$ -	\$ -	\$ 7,975	\$ 7,975	162.005	
New Acquisition - Late Model Used Single Axle Dump Truck (Deferred to 2014)	\$ -	\$ -	\$ -	\$ -	162.005	
Accessory Power Converter for Utility Truck #61	\$ -	\$ -	\$ 500	\$ 500	162.005	
<b>TOTALS</b>	<b>\$ -</b>	<b>\$ 210,810</b>	<b>\$ 86,990</b>	<b>\$ 297,800</b>		

Estimated Costs for Future Projects & Equipment

Third Well	\$ 2,000,000
Emergency Power Supply Generator	\$ 150,000
Berry Street	\$ 40,000
Limerock Terrace Upgrade	\$ 125,000
Puddintown Road	\$ 100,000
Portable Valve Exerciser	\$ 6,500
Clyde Avenue	\$ 55,275
Radio Read Water Meters	\$ 700,000
	<u>\$ 3,176,775</u>

NOTE:

- (1) Projected balance in Construction Fund at 1/1/2013 - \$0
- (2) Projected balance in BR&IF at 1/1/2013 - \$250,000

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

### 2013 WATER SYSTEM UPGRADE PROJECTS

#### **RE-PAVE E. BRANCH ROAD CROSSING - \$3,120**

It is expected that there will be some settlement of the pavement at the E. Branch Road open cut trench area for the Oakwood Drive 8 inch main line connection completed in 2012. In house forces will mill and prepare the area for paving. The re-paving will be contracted using a mechanical paver.

#### **ELM STREET - \$47,085**

Replace approximately 300 lineal feet existing 2 inch steel line from Shady Drive to the end of Elm Street with 8 inch ductile iron main line and replace approximately 300 lineal feet of existing ¾" steel line from Elm Street to the end of the private gravel road with 2 inch plastic pipe (CTS). Install nine new service line connections.

#### **LIMEROCK TERRACE - \$52,405**

Extend 8 inch ductile iron main line approximately 540 lineal feet from the 8 inch gate valve installed during the Limerock Court development project to the Rhodes Lane intersection. Abandon in place the existing 2 inch steel line that currently serves the properties at 180, 199, 206 and 210, and abandon the 2 inch steel line that currently exists under the carport at 199 Limerock Terrace. Install four new service line connections.

#### **NORLE STREET - \$14,510**

Install a new fire hydrant assembly on the existing 6 inch mainline at the intersection with Elizabeth Road and remove the existing fire hydrant that is connected to the existing 4 inch main line at this intersection.

#### **MERRYHILL ROAD - \$53,820**

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

Replace approximately 530 lineal feet of the existing 2 inch steel line with 8 inch ductile iron main line from the end of the existing 6 inch line to the end of the street at private property. Relocate the existing fire hydrant to approximately the middle of Merryhill Road. Install eight new service line connections.

### **OAK HALL WELL DEVELOPMENT – PERMITTING WORK - \$17,500**

Preparation and submission of all required permit applications by Entech Engineering to the PA Department of Environmental Protection and the Susquehanna River Basin Commission to obtain the operation permits for wells OH-19 and OH-20 at the Oak Hall Park.

## **2013 WATER SYSTEM MAINTENANCE/REPAIRS**

### **SPRING CREEK PARK WELL – REPLACE WELL PUMP DROP PIPE - \$10,300**

During replacement of the well pump in 2010, it was found that the steel drop pipe for the well was deteriorating. Numerous areas of the pipe are pitted that could lead to rust through of the pipe. Some of this pipe was replaced with the new well pump. The remaining 84 feet of pipe would be replaced with schedule 40 galvanized pipe.

### **SPRING CREEK PARK WELL/ROGERS WELL – CHLORINATION SYSTEM SCADA CONTROLS - \$5,000**

Both stations have a gas chlorination system. A vacuum is created to draw chlorine from the chlorine cylinders. When a cylinder is empty and the automatic switchover unit fails to operate for the backup cylinder, the chlorination system draws on an empty cylinder that creates a high vacuum situation, with no chlorine treatment of the raw water. At this time, there are no SCADA controls in place to shut the station down and activate an alarm call to notify the operator of a malfunction of the chlorination system due to an empty chlorine cylinder. The estimated cost of this station modification includes electrical components, programming, Remote Transmitter Unit modifications, start up and testing.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

### **DALE STREET RESERVOIR LANDSCAPING- \$15,000**

The landscaping will complete the reservoir renovation project.

### **STRUBLE STORAGE TANK ACCESS ROAD - \$20,930 (DEFERRED UNTIL 2014)**

This project would be the paving of the gravel access road to the storage tank and stabilization of drainage swales along the road. Paving the road and placing stone rip rap in the drainage swales will eliminate erosion during heavy rain events. Due to the steep grade of this road, snow and ice removal is difficult with the existing gravel surface. Winter maintenance of the road will be more efficient ensuring access to the tank at all times with a paved surface.

### **METERS-PRESSURE REDUCING VALVES - \$6,160**

The 2 inch domestic water line meters at the Baldwin Street, Penn Hills and Independence Place PRVs are currently Sensus Model SR meters. We have been notified that repair parts for these meters are no longer available.

It is proposed to change out these three 2 inch meters using Sensus T2 Turbo Omni meters. The total cost to change out these meters will be \$3,215.

There is a 4 inch line at the Penn Hills PRV for fire protection. Larger fire flow lines at the PRVs are not normally metered. Due to the development of the Villas between Trout Road and Dreibelbis Street, the 2 inch lines at the Penn Hills PRV and the Independence Place PRV may not provide sufficient flow and pressure for the added domestic water demand in this area which will open the 4 inch PRV at the Penn Hills vault. The 4 inch meter would be installed to accurately record the additional domestic water flow. The cost to install a Sensus 4 inch T2 Turbo Omni meter will be \$2,950.

### **SCADA SYSTEM - \$9,925**

We continue to experience numerous SCADA communication failures from the Rogers station and the Struble Tank, and various system alarm failures. Radio surveys and testing have verified that the radios are functioning properly. We did discover with the testing that the Struble Tank radio is not a repeater radio as were told by a previous SCADA contractor.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

However, with the elevation and location of the tank and the existing radio working properly, communication with the master RTU at the office building should not be a problem.

During a visit by Tri-Star, Inc. this past year, it was determined that there are problems with the program and database at the master RTU and that these problems are the major cause of the communication and alarm failures.

Since the program was worked on by several different programmers over the years, Tri-Star recommends re-writing the entire communication program to repair radio communications, data collection and alarm monitoring.

The Tri-Star proposal includes several days re-writing the program at their office and 3 days on-site installing the new program and testing.

### **ROGERS WELL PUMP REPLACEMENT - \$40,000**

After extensive testing, it was determined that by reducing the pumping capacity of the well pump at the Rogers Well, turbidity was minimized during heavy rain events.

The existing 1300 gpm well pump could not be controlled with the Variable Frequency Drive, so pumping capacity to the station was controlled by partially closing a gate valve on the raw water line.

Prior to removing the Dale Street Reservoir from service for replacement of the liner and cover and piping modifications, the Rogers Well pump was replaced with a spare pump that could be controlled with the Variable Frequency Drive at the station, allowing greater flexibility of pumping capacity to control turbidity. However, maximum pumping capacity of the spare pump is only approximately 800 gpm. The 1300 gpm well pump will be retrofitted with a new motor that can be controlled with the station VFD. This cost includes removing the spare pump and installing the refurbished pump and motor.

## **2013 CAPITAL ASSET PURCHASES**

**CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES**

**CROSS CONNECTION CONTROL/BACKFLOW PREVENTION PROGRAM - \$14,500**

This new program was started in 2009 to inspect customer interior water service connections for compliance with CTWA Rule and Regulations for the proper installation of backflow prevention devices and overall correct meter set area plumbing. It is proposed that the inspections for 2013 will continue. An additional 100 residential meters @ \$145 will be purchased for the expected change out of old meters during the inspections.

**PURCHASE 55 RESIDENTIAL METERS - \$7,975**

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.

**NEW ACQUISITION – LATE MODEL USED SINGLE AXLE DUMP TRUCK - \$40,000 (DEFERRED UNTIL 2014)**

This dump truck would be used for general hauling purposes during maintenance, repairs and project work on the distribution system hauling excavated spoil material and hauling various aggregate backfill materials.

**ACCESSORY POWER CONVERTER FOR UTILITY TRUCK #61 - \$500**

12 volt to 110 volt power converter to operate electric hand tools at job sites.

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**FUTURE PROJECTS**

**THIRD WELL - \$2,000,000**

Develop a third water supply well for the CTWA system in the vicinity of the village of Oak Hall.

**EMERGENCY POWER SUPPLY GENERATOR - \$150,000**

Purchase a stand by generator that could be used at Spring Creek Park, Rogers Well or Lemont Station.

**BERRY STREET - \$40,000**

Replace the existing 4" main line from Dale Street to Mt. Nittany Road with 8" ductile iron main line.

**LIMEROCK TERRACE UPGRADE - \$125,000**

Construct approximately 1,500 LF of 8" ductile iron water main from Pike Street. This new line would replace the existing 4" back-lot main line and existing 2" steel line.

**PUDDINTOWN ROAD - \$100,000**

Install approximately 800 LF of 8" ductile iron pipe from Meadow Lane to Spring Creek Lane to complete a main line loop in the distribution system to the Houserville Area. Connect five ¾" service lines and connect the 2" main line at Spring Creek Lane to the new 8" line.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

### **PORTABLE VALVE EXERCISER - \$6,500**

The valve exerciser is a trailer mounted unit with a gas engine and hydraulics capable of producing sufficient torque to operate large gate valves. It would be used for the yearly exercising of the distribution system's 750 main line valves.

### **CLYDE AVENUE - \$55,275**

Construct approximately 610 lineal feet of 8" ductile iron pipe from the fire hydrant at the Waskob Industrial Park to the re-located fire hydrant on Clyde Avenue to complete a main line loop in the distribution system in this area. This connection will improve the fire flow capacity at both fire hydrants.

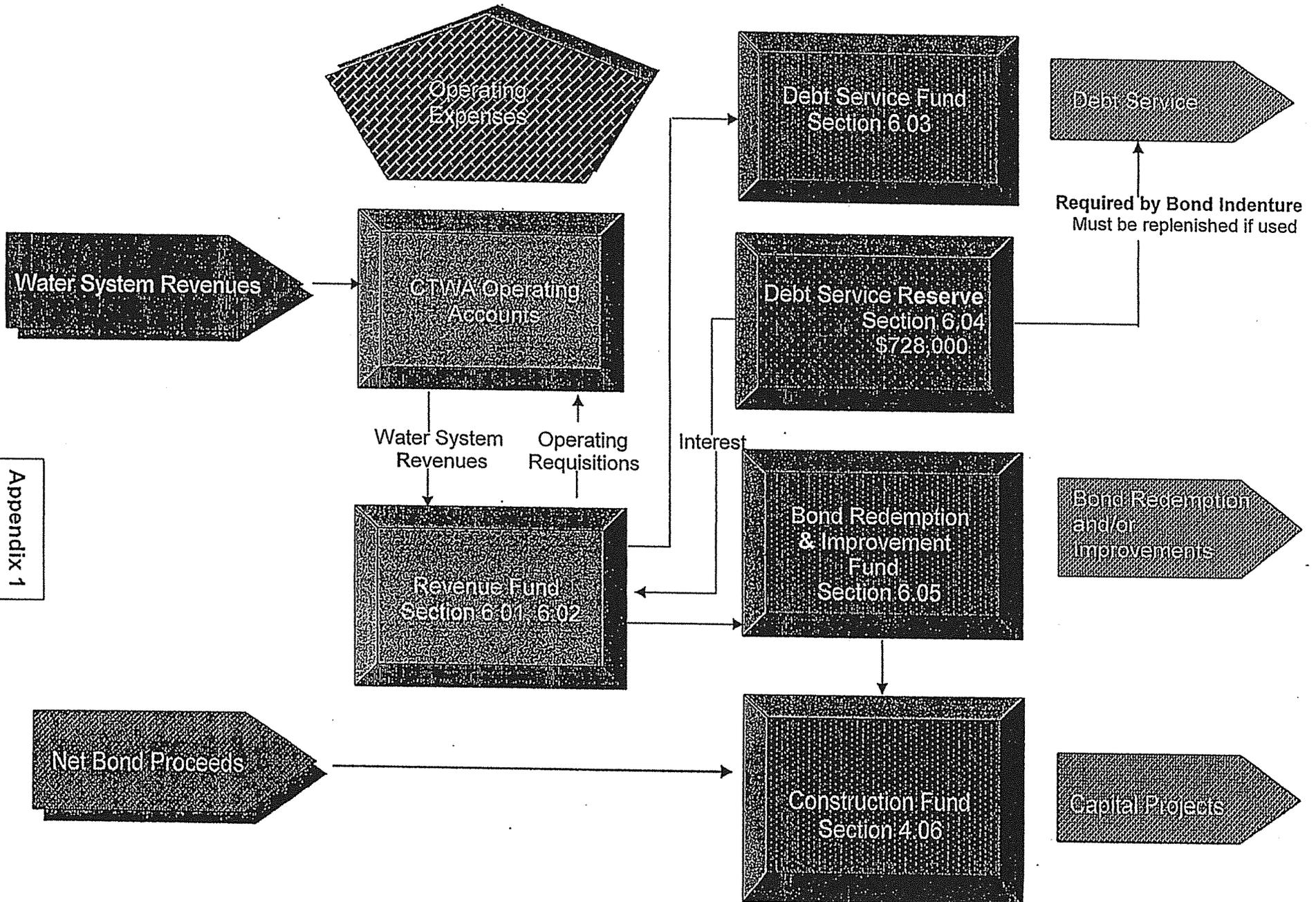
### **RADIO READ WATER METERS - \$700,000**

Replace approximately 2,600 Sensus touch pad remote read water meters with Sensus radio read meters.

# Appendix

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# CTWA Flow Of Funds (Trustee Account)



Appendix 1

College Township Water Authority  
Water Revenue Bonds, Series of 2010

Total Issue	26	27	28	29	30	31	32	33	34
Date	Principal	Coupon	Yield	Price	Proceeds	Interest	Debt Service	Debt	Annual Debt Service
1/1/2011						26,356.04	26,356.04	26,356.04	26,356.04
7/1/2011						158,136.25	158,136.25	158,136.25	158,136.25
1/1/2012	410,000	1,000	1,000	1,000,000	410,000.00	158,136.25	568,136.25	568,136.25	726,272.50
7/1/2012						156,086.25	156,086.25	156,086.25	156,086.25
1/1/2013	415,000	2,000	1,150	1,017,44	422,237.60	156,086.25	571,086.25	571,086.25	727,172.50
7/1/2013						151,936.25	151,936.25	151,936.25	151,936.25
1/1/2014	420,000	2,000	1,500	1,01500	426,300.00	151,936.25	571,936.25	571,936.25	723,872.50
7/1/2014						147,736.25	147,736.25	147,736.25	147,736.25
1/1/2015	430,000	3,000	1,750	1,04904	451,087.20	147,736.25	577,736.25	577,736.25	725,472.50
7/1/2015						141,286.25	141,286.25	141,286.25	141,286.25
1/1/2016	440,000	2,000	2,050	0.99759	438,939.60	141,286.25	581,286.25	581,286.25	722,572.50
7/1/2016						136,886.25	136,886.25	136,886.25	136,886.25
1/1/2017	450,000	2,350	2,400	0.99717	448,726.50	136,886.25	586,886.25	586,886.25	723,772.50
7/1/2017						131,598.75	131,598.75	131,598.75	131,598.75
1/1/2018	460,000	2,600	2,650	0.99677	458,514.20	131,598.75	591,598.75	591,598.75	723,197.50
7/1/2018						125,618.75	125,618.75	125,618.75	125,618.75
1/1/2019	475,000	2,900	2,950	0.99641	473,294.75	125,618.75	600,618.75	600,618.75	726,237.50
7/1/2019						118,731.25	118,731.25	118,731.25	118,731.25
1/1/2020	485,000	3,100	3,150	0.99606	483,089.10	118,731.25	603,731.25	603,731.25	722,462.50
7/1/2020						111,213.75	111,213.75	111,213.75	111,213.75
1/1/2021	505,000	3,300	3,350	0.99573	502,843.65	111,213.75	616,213.75	616,213.75	727,427.50
7/1/2021						102,881.25	102,881.25	102,881.25	102,881.25
1/1/2022	520,000	3,400	3,450	0.99540	517,608.00	102,881.25	622,881.25	622,881.25	725,762.50
7/1/2022						94,041.25	94,041.25	94,041.25	94,041.25
1/1/2023	535,000	3,550	3,600	0.99511	532,383.85	94,041.25	629,041.25	629,041.25	723,082.50
7/1/2023						84,545.00	84,545.00	84,545.00	84,545.00
1/1/2024	555,000	3,650	3,700	0.99482	552,125.10	84,545.00	639,545.00	639,545.00	724,090.00
7/1/2024						74,416.25	74,416.25	74,416.25	74,416.25
1/1/2025	575,000	3,750	3,800	0.99456	571,872.00	74,416.25	649,416.25	649,416.25	723,832.50
7/1/2025						63,635.00	63,635.00	63,635.00	63,635.00
1/1/2026	600,000	3,800	3,850	0.99429	596,574.00	63,635.00	663,635.00	663,635.00	727,270.00
7/1/2026						52,235.00	52,235.00	52,235.00	52,235.00
1/1/2027	620,000	3,850	3,900	0.99404	616,304.80	52,235.00	672,235.00	672,235.00	724,470.00
7/1/2027						40,300.00	40,300.00	40,300.00	40,300.00
1/1/2028	645,000	4,000	4,050	0.99337	640,723.65	40,300.00	685,300.00	685,300.00	725,600.00
7/1/2028						27,400.00	27,400.00	27,400.00	27,400.00
1/1/2029	670,000	4,000	4,050	0.99337	665,557.90	27,400.00	697,400.00	697,400.00	724,800.00
7/1/2029						14,000.00	14,000.00	14,000.00	14,000.00
1/1/2030	700,000	4,000	4,050	0.99337	695,359.00	14,000.00	714,000.00	714,000.00	728,000.00
7/1/2030						0.00	0.00	0.00	0.00
Totals	9,910,000				9,903,540.90	3,891,723.54	13,801,723.54	13,801,723.54	13,801,723.54
	9,910,000					3,891,723.54	13,801,723.54		

<b>Bid Price</b>	9,910,000.00
Bonds	6,459.10
OID	142,359.13
Discount	9,761,181.77
P. Price	

Max Annual Debt Service 728,000.00  
 10% of Proceeds 991,000.00  
 125% of Average 906,274.18  
 Minimum of Three 728,000.00

College Township Water Authority 2013 Budget  
Existing Equipment Replacement Fund Projection

PURCHASE YEAR	DESCRIPTION OF EQUIPMENT	PURCHASE PRICE	EXPECTED LIFE	YEAR TO REPLACE	REPLACEMENT PRICE	ANNUAL REVENUE NEEDED
<b>MAINTENANCE VEHICLES:</b>						
2001	2001 FORD F350 UTILITY BODY #31	\$28,400	12	2013	\$35,000	\$2,917
2010	2011 FORD F350 UTILITY BODY #61	\$37,850	10	2020	\$40,000	\$4,000
2012	2012 CHEVY VAN #64	\$28,925	10	2022	\$32,000	\$3,200
	<b>TOTALS:</b>	\$95,175			\$107,000	\$10,117
<b>OFFICE AND STAFF VEHICLES:</b>						
	<b>TOTALS:</b>	\$0			\$0	\$0
<b>OFF ROAD EQUIPMENT:</b>						
2006	BOBCAT 331E TRACK EXCAVATOR	\$31,250	15	2021	\$38,000	\$2,533
2009	2008 CASE BACKHOE	\$78,650	15	2024	\$85,000	\$5,667
	<b>TOTALS:</b>	\$109,900			\$123,000	\$8,200

College Township Water Authority 2013 Budget  
Existing Equipment Replacement Fund Projection

PURCHASE YEAR	DISCRPTION OF EQUIPMENT	PURCHASE PRICE	EXPECTED LIFE	YEAR TO REPLACE	REPLACEMENT PRICE	ANNUAL REVENUE NEEDED
<b>TOOLS &amp; ATTACHMENTS:</b>						
Unknown	MULLER TAPPING MACHINE	\$1,000	15	2020	\$1,200	\$80
1990	PIPE AND CABLE LOCATOR	\$1,000	25	2015	\$1,300	\$52
1993	5000W GENERATOR	\$500	25	2018	\$700	\$28
1997	1997 STONE 2" TRASH PUMP	\$300	20	2017	\$500	\$25
1997	1997 SCHONSTEDT METAL DETECTOR #1	\$875	20	2017	\$1,000	\$50
1997	1997 SCHONSTEDT METAL DETECTOR #2	\$875	20	2017	\$1,000	\$50
1997	1997 FORD TAPPING TOOL	\$500	20	2017	\$950	\$48
1998	1998 FIRE HYDRANT METER	\$600	20	2018	\$750	\$38
2001	2001 STIHL MULTI PURPOSE SAW	\$700	15	2016	\$850	\$57
2002	2002 FIRE HYDRANT FLOW TEST KIT	\$1,200	20	2022	\$1,500	\$75
2004	2004 PIPE THREADER	\$1,200	20	2024	\$1,500	\$75
2005	2005 HONDA 2" TRASH PUMP	\$400	15	2020	\$550	\$37
2006	2006 GAS DETECTOR	\$1,300	15	2021	\$1,500	\$100
2006	2006 12 VOLT SUBMERSIBLE PUMP	\$500	12	2018	\$650	\$54
2006	2006 HOSE MONSTER	\$700	20	2026	\$900	\$45
2006	2006 RIGID NO. 460 TRI STAND	\$500	20	2026	\$700	\$35
2007	2007 ALLEGRO VENTILATOR	\$800	20	2027	\$1,000	\$50
2008	2008 INGERSOLL-RAND LIGHT TOWER	\$6,885	20	2028	\$8,000	\$400
2008	2008 VALVE LUBRICATOR	\$400	20	2028	\$600	\$30
2008	2008 TRIPOD RETRIEVAL WINCH #102144	\$2,590	20	2028	\$3,000	\$150
2009	2009 SALA LIFT II 9' TRIPOD	\$800	20	2029	\$1,000	\$50
2009	2009 TRIPOD RETRIEVAL WINCH #108561	\$2,590	20	2029	\$3,000	\$150
2010	2010 3" PIERCING TOOL	\$4,275	15	2025	\$4,500	\$300
2011	2011 STIHL MULTI PURPOSE SAW TS 800	\$1,125	10	2021	\$1,300	\$130
2011	2011 HONDA 3000W GENERATOR	\$1,155	15	2026	\$1,300	\$87
2012	2012 SCHONSTEDT MAG LOCATOR	\$940	20	2032	\$1,000	\$50
2012	2012 TRACEMASTER LINE LOCATOR	\$3,775	15	2027	\$4,000	\$267
2012	2012 FCS S-30 LEAK NOISE AMP SYSTEM	\$4,500	20	2032	\$6,000	\$300
	<b>TOTALS:</b>	<b>\$42,285</b>			<b>\$50,250</b>	<b>\$2,811</b>
<b>LAWN &amp; GROUNDS TOOLS:</b>						
2010	CRAFTSMAN LAWN MOWER	\$200	8	2018	\$300	\$38
	<b>TOTALS:</b>	<b>\$200</b>			<b>\$300</b>	<b>\$38</b>
	<b>GRAND TOTALS:</b>	<b>\$247,560</b>			<b>\$280,550</b>	<b>\$21,165</b>

Year To Replace = Purchase Year + Expected Life  
Annual Reserve = (Replacement Price - 10% of Purchase Price)/Expected Life

## College Towns Water Authority Revenue and Rate History

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
<b>WATER SYSTEM REVENUE (1)</b>								
Metered Water Sales								
SCI-Rockview Penitentiary	\$ 172,921	\$ 87,444	\$ 182,204	\$ 235,330	\$ 103,272	\$ 125,000	128,500	
UAJA-Beneficial Reuse	-	-	-	57,627	44,001	40,486	61,174	
All Other								
Residential	576,728	601,415	633,429	638,160	632,052	717,258	712,142	
Commercial	212,112	226,592	250,285	223,313	243,537	272,542	285,115	
Industrial	118,516	143,198	161,914	92,555	71,793	71,189	75,610	
Other Public	34,199	9,441	12,999	12,296	10,005	18,354	16,893	
	<u>1,114,476</u>	<u>1,068,090</u>	<u>1,240,831</u>	<u>1,259,281</u>	<u>1,104,660</u>	<u>1,244,829</u>	<u>1,279,434</u>	
Unmetered Water Sales and Other Fees								
Fire Services	186,098	195,253	203,329	207,991	210,906	236,263	239,244	
Penalties	9,829	10,180	11,454	11,416	14,115	13,812	13,699	
Other	2,309	5,437	13,782	9,160	7,864	7,776	23,041	
	<u>198,236</u>	<u>210,870</u>	<u>228,565</u>	<u>228,567</u>	<u>232,885</u>	<u>257,851</u>	<u>275,984</u>	
Other Receipts and Revenues								
Capital Recovery (Rockview)	151,277	157,356	163,678	170,255	87,676	-	-	
Connection Fees	75,305	25,947	13,003	35,756	11,943	32,761	7,619	
Investment Income	68,830	82,433	72,608	47,660	25,223	6,026	4,824	
	<u>295,412</u>	<u>265,736</u>	<u>249,289</u>	<u>253,671</u>	<u>124,842</u>	<u>38,787</u>	<u>12,443</u>	
Capital Contribution	665	187,210	55,041	241,725	398,274	-	-	
<b>TOTAL WATER SYSTEM REVENUE</b>	<u>\$ 1,608,789</u>	<u>\$ 1,731,906</u>	<u>\$ 1,773,726</u>	<u>\$ 1,983,244</u>	<u>\$ 1,860,661</u>	<u>\$ 1,541,467</u>	<u>\$ 1,567,861</u>	
<b>RATE HISTORY (Per Thousand Gallons)</b>								
Rockview	\$1.74	\$1.74	\$1.74	\$1.74	\$2.32	\$2.50	\$2.57	\$2.64
Beneficial Reuse	n/a	n/a	n/a	n/a	n/a	\$5.03	\$5.22	\$5.34
Regular	\$4.25	\$4.25	\$4.25	\$4.95	\$5.20	\$5.60	\$5.75	\$5.90

(1) Source: Audit Reports/Adjusted Trial Balances

## College Township Water Authority Gallons Produced, Billed and Unaccounted

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Gallons Produced (1)	430,824,000	349,602,560	475,007,000	445,776,000	329,704,000	317,488,000	321,308,500
Gallons billed (2)							
SCI-Rockview Penitentiary	96,529,882	26,436,290	104,715,000	135,874,467	25,725,875	20,726,331	17,178,963
UAJA-Beneficial Reuse							
Cintas	-	-	-	12,950,000	9,483,000	8,049,000	8,627,000
Best Western	-	-	-	-	-	464,000	617,000
Redline	-	-	-	-	-	-	2,029,000
	96,529,882	26,436,290	104,715,000	148,824,467	35,208,875	29,239,331	28,451,963
All Other	220,398,262	214,151,039	217,079,174	173,864,094	176,070,570	177,462,167	174,548,365
	316,928,144	240,587,329	321,794,174	322,688,561	211,279,445	206,701,498	203,000,328
Unaccounted Gallons (2)	16.8%	23.3%	18.1%	15.9%	28.9%	9.2%	8.3%

(1) Source: Annual Public Water Supply Report

(2) Source: UAJA - internal records, Others - Consulting Engineer Annual Unaccounted For Water Audit Report

## College Township Water Authority Other Key Statistics

	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Connections Served (1)							
Domestic	2,271	2,352	2,358	2,378	2,361	2,370	2,355
Commercial	307	308	309	313	316	319	323
Industrial	17	17	17	18	18	17	17
Institutional	13	13	13	13	13	13	13
Bulk Sales to other PWS	1	1	1	1	2	2	4
Other	-	-	-	-	-	-	-
	<u>2,609</u>	<u>2,691</u>	<u>2,698</u>	<u>2,723</u>	<u>2,710</u>	<u>2,721</u>	<u>2,712</u>
Metered Water Use (GPD) (1)							
Domestic	371,783	366,126	367,674	351,140	333,009	344,745	335,267
Commercial	136,736	137,956	145,278	123,262	128,312	130,989	134,230
Industrial	76,400	87,183	93,983	51,087	37,826	34,241	35,597
Institutional	7,219	5,748	7,545	6,787	5,271	8,784	7,954
Bulk Sales to other PWS	287,286	72,389	286,890	369,527	81,756	64,958	57,507
Unaccounted	300,916	288,420	400,019	316,164	317,368	286,116	316,178
Other	-	-	-	-	-	-	-
	<u>1,180,340</u>	<u>957,822</u>	<u>1,301,389</u>	<u>1,217,967</u>	<u>903,542</u>	<u>869,833</u>	<u>886,733</u>
% of Population Served (1)	<u>67.25%</u>	<u>69.55%</u>	<u>69.73%</u>	<u>69.73%</u>	<u>69.73%</u>	<u>62.47%</u>	<u>62.47%</u>
Debt Coverage Requirement (2)							
Admin and Operating Expense (Actual)	\$ 584,163	\$ 653,937	\$ 645,278	\$ 670,762	\$ 663,658	\$ 755,164	\$ 776,907
110% of Debt Service Requirement	612,808	612,052	611,117	791,503	795,312	552,828	798,900
	<u>1,196,971</u>	<u>1,265,989</u>	<u>1,256,395</u>	<u>1,462,265</u>	<u>1,458,970</u>	<u>1,307,992</u>	<u>1,575,807</u>
Actual Revenue	<u>1,608,789</u>	<u>1,544,696</u>	<u>1,718,686</u>	<u>1,741,519</u>	<u>1,462,387</u>	<u>1,541,467</u>	<u>1,567,861</u>
Excess (Deficit) Coverage	<u>\$ 411,818</u>	<u>\$ 278,707</u>	<u>\$ 462,291</u>	<u>\$ 279,254</u>	<u>\$ 3,417</u>	<u>\$ 233,475</u>	<u>\$ (7,946)</u>

(1) Source: Annual Water Supply Report

(2) Source: Audit Reports