

College Township Water Authority

2012 Budget

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COLLEGE TOWNSHIP WATER AUTHORITY  
CENTRE COUNTY, PENNSYLVANIA

RESOLUTION #R11 - 12

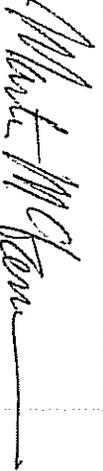
A RESOLUTION OF THE COLLEGE TOWNSHIP WATER  
AUTHORITY, CENTRE COUNTY ADOPTING THE 2012  
BUDGET

WHEREAS, the College Township Water Authority is an authority formed pursuant to the Pennsylvania Municipality Authorities Act;

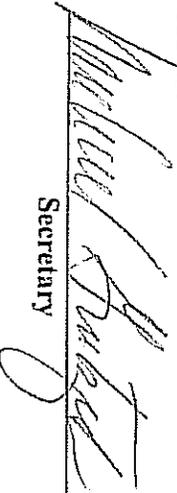
NOW THEREFORE, BE IT RESOLVED that the College Township Water Authority board hereby adopts a Budget for the year 2012 providing for \$1,624,605 in total revenues and \$1,564,328 in total expenses. An amount of \$60,277 will be available for contingencies and reserve. Additional budget detail is provided in the 2012 Budget document made a part hereof by reference.

DULY ENACTED this 7th day of December, 2011.

COLLEGE TOWNSHIP WATER AUTHORITY

  
Chair

ATTEST:

  
Secretary

# College Township Water Authority

## Schedule of Water Rates

### Schedule A

Revised: January 1, 2012

Per 1,000 gallons of water used 3,000 minimum charge.....	\$ 5.90
Late charge on past due accounts.....	10%
Non-sufficient funds charge.....	\$15.00
Temporary shut off & turn on made at customers request during normal Business Hours.....	\$25.00
Temporary shut off & turn on made at customers request outside normal weekday Business hours....	\$75.00
Customer requested meter testing.....	\$75.00
Reconnection for failure to pay.....	\$50.00
Cost of temporary construction meter.....	\$100.00
CTWA owned and maintained fire hydrants.....	\$369.00 per annum *
Privately owned and maintained fire hydrants.....	\$308.00 per annum
Fire Service bypass meter.....	Actual Cost
Sprinkler Service:	
4 Inch fire service.....	\$1,349.00 per annum
6 Inch fire service.....	\$2,698.00 per annum
8 Inch fire service.....	\$5,397.00 per annum

Fees for connecting to the water main shown on ..... Page 2.

Applications for water main extensions.....\$1365.00 escrow deposit with application. Other financial requirements as per adopted rules and regulations.

\*CTWA hydrants along public streets within the right-of-way will be charged to College Township. CTWA hydrants on private property will be charged to the adjacent businesses located within 600 feet (measured along the driveway) and apportioned between businesses if applicable.

## SCHEDULE OF INDIVIDUAL CONNECTION FEES

Domestic Service Connection Meter Size \_\_\_\_\_

3/4"

1"

1 1/2"

2"\*\*\*

Connection Fee (Cost to run a waterline from the main to the property line or curb stop)

	Actual Cost	Actual Cost	Actual Cost	Actual Cost
Authority Installs Service Connection	\$50	\$50	\$50	\$50
Owner Installs Service Connection	\$50	\$50	\$50	\$50

Customer Facilities Fee (Property Owner is responsible for running the waterline from the property line or curb stop to dwelling or building to be served plus costs of meter and meter installation)

Inspection and Meter Installation by Authority	\$125 plus meter	\$125 plus meter	Actual Cost	Actual Cost
Inspection and Meter Pit Installation by Authority (if Applicable)	Actual Cost	Actual Cost	Actual Cost	Actual Cost

Tap Fee (Cost of facilities used to supply, distribute, and collect water)

Capacity Part	\$167	\$390	\$892	\$1561
Distribution Part	\$476	\$1111	\$2539	\$4443
Reimbursement Part**	Varies	Varies	Varies	Varies
Special Purpose Part**	<u>Varies</u>	<u>Varies</u>	<u>Varies</u>	<u>Varies</u>
Total	\$643	\$1501	\$3431	\$6004

\*\*\* Service Connections requiring a meter(s) in excess of 2" will require calculation of fees after review by the Authority.  
 \*\* Applies only to specific new connections.

## **1. MESSAGE/SUMMARY**

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**COLLEGE TOWN WATER AUTHORITY**  
**YEAR 2012 OPERATING BUDGET SUMMARY**

**OPERATING BUDGET SUMMARY**

	2006	2007	2008	2009	2010	2011		2012
	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	1,577,849	1,529,300	1,621,605
<b>OPERATING EXPENSES</b>								
Purification and Pumping	145,238	140,570	149,208	130,872	135,815	134,070	133,750	140,950
Distribution System	213,032	195,877	226,458	194,777	259,475	233,419	236,875	253,425
General Expense	295,667	308,830	295,096	338,010	359,875	402,710	396,407	420,485
<b>TOTAL OPERATING EXPENSES</b>	<b>653,937</b>	<b>645,277</b>	<b>670,762</b>	<b>663,659</b>	<b>755,165</b>	<b>770,199</b>	<b>767,032</b>	<b>814,860</b>
<b>OPERATING MARGIN</b>	<b>808,326</b>	<b>1,000,800</b>	<b>1,023,097</b>	<b>685,829</b>	<b>780,276</b>	<b>807,650</b>	<b>762,268</b>	<b>806,745</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>7,500</b>	<b>7,200</b>	<b>3,000</b>
	<b>890,759</b>	<b>1,073,408</b>	<b>1,070,757</b>	<b>711,052</b>	<b>786,303</b>	<b>815,150</b>	<b>769,468</b>	<b>809,745</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>726,273</b>	<b>726,273</b>	<b>727,173</b>
	<b>334,348</b>	<b>632,078</b>	<b>637,829</b>	<b>287,941</b>	<b>384,061</b>	<b>88,877</b>	<b>43,195</b>	<b>82,572</b>
<b>LESS: DISCRETIONARY CAPITAL ITEMS</b>						<b>30,265</b>	<b>25,000</b>	<b>22,295</b>
<b>AVAILABLE FOR: Contingencies and Reserve</b>						<b>58,612</b>	<b>18,195</b>	<b>60,277</b>
<b>ALLOWABLE OPERATING REQUISITIONS</b>								

<b>Calculation of Required Coverage (Section 5.01)</b>				
Water System Revenues		1,577,849	1,529,300	1,621,605
Investment Income		7,500	7,200	3,000
		<b>1,585,349</b>	<b>1,536,500</b>	<b>1,624,605</b>
Administrative and operating expenses		770,199	767,032	814,860
110% of Debt Service Requirement		798,900	798,900	799,890
		<b>1,569,099</b>	<b>1,565,932</b>	<b>1,614,750</b>
Excess Coverage		<b>16,250</b>	<b>-29,432</b>	<b>9,855</b>

## **2. OPERATING INCOME**

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**OPERATING INCOME**

	2006	2007	2008	2009	2010	2011		2012
	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	601,415	633,429	638,160	632,052	717,258	718,750	708,000	737,500
378.120 Metered Water Revenues - Commercial	226,592	250,285	223,313	243,537	272,542	287,500	282,000	295,000
378.130 Metered Water Revenues - Industrial	143,198	161,914	92,555	71,793	71,189	86,250	67,000	76,700
378.140 Metered Water Revenues - Other Public	9,441	12,999	12,296	10,005	18,354	12,075	16,000	17,110
378.141 Metered Water Revenues - SCI Rockview	87,444	182,204	235,330	103,272	125,000	128,500	128,500	132,000
378.142 Metered Water Revenues - UAJA BRW	0	0	57,627	44,001	40,486	60,030	59,000	61,944
<b>Subtotal</b>	<b>1,068,090</b>	<b>1,240,831</b>	<b>1,259,281</b>	<b>1,104,660</b>	<b>1,244,829</b>	<b>1,293,105</b>	<b>1,260,500</b>	<b>1,320,254</b>
<b>FIRE SERVICES</b>								
378.405 Fire Services - CTWA Hydrants	63,191	66,733	68,427	69,659	84,249	84,132	85,000	85,239
378.410 Fire Services - Private Hydrants	4,729	4,883	4,883	5,037	5,081	4,312	4,800	4,312
378.420 Fire Services - Sprinkler Fire Lines	127,333	131,713	134,681	136,210	146,933	152,450	150,000	152,450
<b>Subtotal</b>	<b>195,253</b>	<b>203,329</b>	<b>207,991</b>	<b>210,906</b>	<b>236,263</b>	<b>240,894</b>	<b>239,800</b>	<b>242,001</b>
<b>OTHER WATER RELATED REVENUES</b>								
378.300 Penalties	10,180	11,454	11,416	14,115	13,812	13,500	14,000	14,000
378.500 Water Main Connection Fees	25,947	13,003	35,756	11,943	32,761	25,000	7,000	40,000
378.505 Capital Recovery - SCI Rockview	157,356	163,678	170,255	0	0	0	0	0
378.510 Meter Sales and Installations	0	0	0	0	0	0	0	0
378.890 Professional Fees Reimbursement	0	0	0	0	0	0	0	0
378.895 Engineer Inspection Fees	0	0	0	0	0	0	0	0
380.000 Miscellaneous	5,437	13,782	9,160	7,864	7,776	5,350	8,000	5,350
<b>Subtotal</b>	<b>198,920</b>	<b>201,917</b>	<b>226,587</b>	<b>33,922</b>	<b>54,349</b>	<b>43,850</b>	<b>29,000</b>	<b>59,350</b>
<b>TOTAL WATER SYSTEM REVENUES</b>	<b>1,462,263</b>	<b>1,646,077</b>	<b>1,693,859</b>	<b>1,349,488</b>	<b>1,535,441</b>	<b>1,577,849</b>	<b>1,529,300</b>	<b>1,621,605</b>

## OPERATING REVENUES

### METERED WATER REVENUE

Effective January 1, 2012, water consumption is proposed to be billed to the majority of its customers for each meter at \$5.90 per 1,000 gallons consumed, a 2.6% increase over the 2011 rate of \$5.75.

**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 2012 will be \$2.64 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 2012 will be \$5.34 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 2012, 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	2,397	125,000,000	\$737,750
Commercial	323	50,000,000	295,000
Industrial	17	13,000,000	76,700
Other	<u>17</u>	<u>2,900,000</u>	<u>17,110</u>
	<b>2,754</b>	<b>190,900,000</b>	<b>\$ 1,126,310</b>
UAJA – Beneficial Reuse	3	11,600,000	61,944
SCI-Rockview	<u>1</u>	<u>50,000,000</u>	<u>132,000</u>
<b>TOTAL</b>	<b><u>2,758</u></b>	<b><u>252,500,000</u></b>	<b><u>\$ 1,320,254</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 2012:

<u>HYDRANTS</u>	<u>NUMBER</u>	<u>ANNUAL CHARGE</u>	<u>REVENUE</u>
Hydrants – Authority owned and maintained	231	\$ 369	<u>\$85,239</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	15	\$ 1,349	\$20,235
Sprinkler – 6” fire service	23	\$ 2,698	62,054
Sprinkler – 8” fire service	<u>13</u>	\$ 5,397	<u>70,161</u>
	51		<u>\$152,450</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.

### **3. PURIFICATION & PUMPING EXPENSES**

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**PURIFICATION AND PUMPING EXPENSES**

	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED	2011		2012
						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
448.202 Chemical Purchases	24,131	25,397	22,565	21,323	21,460	23,100	22,000	23,000
448.203 Power Purchased - Mt Nittany Contact Tank	0	0	0	0	0	0	0	0
448.204 Water Analysis	14,034	11,809	17,972	15,243	8,685	8,520	18,000	22,000
448.205 Equipment Maintenance - Mt Nittany Contact T	0	0	0	0	0	0	0	0
448.206 Structure Maintenance - Mt Nittany Contact Ta	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>31,620</b>	<b>40,000</b>	<b>45,000</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
448.312 Power Purchased	51	0	0	180	56	90	90	90
448.313 Equipment Maintenance	0	0	0	204	204	0	0	0
448.314 Structure Maintenance	0	0	612	0	0	250	250	250
<b>Subtotal</b>	<b>51</b>	<b>0</b>	<b>612</b>	<b>384</b>	<b>260</b>	<b>340</b>	<b>340</b>	<b>340</b>
<b>MATILDA BOOSTER STATION</b>								
448.321 Operating Supplies and Expense	0	0	0	0	0	0	0	0
448.322 Power Purchased	1,416	1,262	1,656	1,315	883	1,350	900	900
448.323 Equipment Maintenance	13	0	38	0	0	250	100	250
448.324 Structure Maintenance	0	0	118	0	952	150	150	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>1,750</b>	<b>1,150</b>	<b>1,300</b>
<b>LEMONT BOOSTER STATION</b>								
448.331 Operating Supplies and Expense	0	0	0	0	0	0	0	0
448.332 Power Purchased	3,669	2,802	3,212	2,777	2,763	3,250	4,200	3,000
448.333 Equipment Maintenance	0	3,417	1,536	179	0	2,000	1,750	2,000
448.334 Structure Maintenance	74	148	945	289	214	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>6,250</b>	<b>6,450</b>	<b>6,000</b>
<b>SPRING CREEK PARK WELL</b>								
448.361 Operating Supplies and Expense	0	0	0	0	0	0	0	0
448.362 Power Purchased	26,258	31,208	32,691	32,361	35,473	35,000	34,000	25,000

**PURIFICATION AND PUMPING EXPENSES**

	2006 AUDITED	2007 AUDITED	2008 AUDITED	2009 AUDITED	2010 AUDITED	2011		2012
						BUDGET	EXPECTED	PROPOSED
448.363 Equipment Maintenance	8,474	4,088	5,376	3,269	9,276	7,500	6,000	7,500
448.364 Structure Maintenance	415	0	310	101	0	500	500	500
448.365 Well Monitoring Costs	3,652	6,816	0	3,540	106	0	0	0
448.367 Easement Costs	5,000	5,000	5,000	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>48,610</b>	<b>46,110</b>	<b>38,610</b>
<b>ROGERS WELL</b>								
448.371 Operating Supplies and Expense	0	0	0	0	0	0	0	0
448.372 Power Purchased	34,575	37,641	45,061	37,196	37,956	37,000	28,000	40,000
448.373 Equipment Maintenance	3,163	423	231	2,250	2,757	2,000	6,000	2,000
448.374 Structure Maintenance	1,715	626	234	12	4,373	1,000	500	1,000
448.375 Well Monitoring Costs	18,598	9,933	11,651	5,023	4,792	5,500	5,200	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>45,500</b>	<b>39,700</b>	<b>48,500</b>
<b>INTERCONNECTIONS - SCBWA ,PSU, and BELLEFONTE</b>								
448.386 Purchased Water	0	0	0	0	0	0	0	1,000
448.388 Interconnection Maintenance	0	0	0	0	255	0	0	200
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>255</b>	<b>0</b>	<b>0</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>102,450</b>	<b>93,750</b>	<b>95,950</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>134,070</b>	<b>133,750</b>	<b>140,950</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.

#### **4. DISTRIBUTION SYSTEM EXPENSES**

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**DISTRIBUTION SYSTEM EXPENSES**

	2006	2007	2008	2009	2010	2011		2012
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>STORAGE-DALE ST RESERVOIR</b>								
448.341 Operating Supplies and Expense	0	0	0	0	0	0	0	0
448.342 Power Purchased	285	379	438	113	266	300	150	150
448.343 Equipment Maintenance	3,555	80	5,701	1,659	0	2,000	50	1,000
448.344 Structure Maintenance	4,009	2,286	8,855	304	3,184	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>3,300</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
448.352 Power Purchased	0	0	0	289	152	250	275	275
448.353 Equipment Maintenance	0	0	0	1,443	0	1,750	1,400	1,750
448.354 Structure Maintenance	0	0	57	530	0	1,000	0	1,000
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>57</b>	<b>2,262</b>	<b>152</b>	<b>3,000</b>	<b>1,675</b>	<b>3,025</b>
<b>MAINTENANCE-DISTRIBUTION SYSTEM</b>								
448.475 Maintenance of Distribution / Trans Mains	29,283	20,902	14,073	8,710	52,536	14,000	18,000	21,000
448.490 Maintenance of Service Lines	17,607	5,382	9,913	18,831	14,986	14,000	12,000	14,000
448.510 Maintenance of Hydrants	673	4,962	2,186	1,394	3,099	3,000	1,800	3,000
448.530 Meter Supplies and Maintenance	2,041	2,090	1,370	2,392	2,059	2,500	3,750	2,500
448.532 PRV - Penn Hills	0	0	0	0	11	300	150	300
448.534 PRV - Independence Place	0	845	2	0	0	300	150	300
448.536 PRV - Oak Hall	189	845	279	1,693	0	300	150	300
448.537 PRV - Rockview North	110	115	0	85	1,281	300	150	300
448.538 PRV - Rockview South	91	217	0	0	0	300	150	300
448.539 PRV - Bellefonte Interconnect	0	0	0	76	0	300	150	300
448.541 PRV - Nittany Commons	0	0	0	0	0	300	150	300
<b>Subtotal</b>	<b>49,994</b>	<b>35,358</b>	<b>27,823</b>	<b>33,181</b>	<b>73,972</b>	<b>35,600</b>	<b>36,600</b>	<b>42,600</b>
<b>GENERAL-DISTRIBUTION SYSTEM</b>								
448.181 Contract Labor - College Twp Personnel	26,318	35,359	40,711	24,365	33,523	34,000	45,000	36,000
448.540 Contract Labor - Technicians	117,536	114,104	127,111	122,848	132,438	132,000	135,000	145,000
448.556 Leak Detection Services	5,343	0	2,311	0	0	5,000	500	5,000
448.570 Storage Rental	0	0	0	11	0	0	0	0
448.575 R-O-W, Regulatory Compliance	581	726	2,142	1,692	2,119	5,500	5,000	5,500
448.648 Pa One Call Service	780	1,163	1,152	783	1,120	1,200	900	1,200
448.760 Small Tools and Minor Equipment	4,383	1,856	3,541	1,224	5,640	2,000	2,500	2,000
448.761 Repairs and Maintenance-Water Equip	0	4,107	2,750	5,060	6,791	10,869	8,500	10,000
448.762 Safety Equipment	248	459	3,866	1,275	270	950	500	950
<b>Subtotal</b>	<b>155,189</b>	<b>157,774</b>	<b>183,584</b>	<b>157,258</b>	<b>181,901</b>	<b>191,519</b>	<b>197,900</b>	<b>205,650</b>
<b>TOTAL DISTRIBUTION SYSTEM</b>	<b>213,032</b>	<b>195,877</b>	<b>226,458</b>	<b>194,777</b>	<b>259,475</b>	<b>233,419</b>	<b>236,875</b>	<b>253,425</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

Excavated waste material from project and maintenance work is hauled to the Stone Valley Construction fill site on Shiloh Road. Currently, and in past years, there has not been a fee to dump at this site. It is expected that we will be charged the dumping fee beginning in 2012, at the rate of \$38.50 per load, times an estimated 75 loads of waste material, equaling approximately \$2,900 in additional dumping fees. This amount is to be shared equally with CTWA.

### **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 231 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 2012, the following costs are as follows:

#### **Hach Company Service Agreement - \$2,680**

This agreement would provide four on-site preventive maintenance visits per year, once each quarter, to service the chlorine analyzers at both stations and the turbidimeter at the Spring Creek Park Station. It is proposed to replace the turbidimeter at the Rogers Well in 2012. Therefore, this unit will be under a one year warranty for parts and labor and not subject to the Hach Service Agreement. 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 2012 that will serve to increase safety in the work place.

## **5. GENERAL EXPENSES**

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**GENERAL EXPENSES**

	2006	2007	2008	2009	2010	2011		2012
	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	45,000	46,000	48,000
448.605 Contract Labor - College Twp Personnel	6,208	7,721	8,508	10,038	11,272	11,000	11,000	11,000
448.610 Contract Labor - Meter Reading	3,877	5,782	10,997	12,930	10,841	12,300	10,000	10,500
448.612 Professional Employment Services	0	0	1,468	11,742	386	0	0	0
448.620 Office and Other Supplies	3,084	1,939	2,301	4,681	1,895	3,750	2,650	3,750
448.621 Computer and Software Maintenance	2,497	6,100	4,384	4,564	6,347	5,250	6,700	6,700
448.625 Postage and Freight Charges	5,100	4,531	4,403	4,100	4,510	5,000	4,200	4,500
448.641 Advertising	584	3,254	1,004	653	647	1,000	2,200	1,000
448.643 Internet and Email	1,157	1,362	1,535	1,714	1,737	1,750	1,750	1,750
448.645 Telephone	2,127	2,208	1,862	1,630	1,712	2,000	1,900	2,000
448.647 Cellular Phone	763	420	548	487	560	800	800	800
448.655 Uncollectible Accounts	(496)	1,251	1,806	-1,286	285	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>87,850</b>	<b>87,200</b>	<b>90,000</b>
<b>GENERAL PROPERTY</b>								
448.702 Vehicle Repairs and Maintenance	4,721	8,119	7,496	2,626	2,549	5,000	4,000	5,000
448.731 Vehicle Fuels: Gas, Diesel, Oil, Etc	4,062	4,251	5,741	3,082	4,526	5,000	7,000	6,000
448.735 Repairs of Tools and Machinery	345	309	117	15	617	750	500	750
448.740 Materials and Supplies	1,267	2,322	2,064	2,606	1,845	2,950	2,250	2,950
448.765 Radio/Paging Equipment and Maint	221	237	4,024	180	150	450	150	450
448.770 Rental of Equipment	4,887	11,712	1,523	3,351	6,052	7,000	7,500	7,000
<b>Subtotal</b>	<b>15,503</b>	<b>26,950</b>	<b>20,965</b>	<b>11,860</b>	<b>15,739</b>	<b>21,150</b>	<b>21,400</b>	<b>22,150</b>
<b>ENGINEERING AND PROFESSIONAL</b>								
448.810 Engineering - Consulting	34,054	21,656	19,795	29,243	32,083	32,000	37,000	35,000
448.818 Engineering - Inspection	0	2,523	0	0	0	0	0	0
448.840 Accounting and Audit	11,765	15,060	12,868	18,059	14,640	15,900	12,475	15,000
448.845 Legal	495	1,210	647	5,556	4,795	9,000	8,000	9,000
448.850 Professional - Other	0	1,600	1,600	1,600	800	1,600	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>58,500</b>	<b>58,675</b>	<b>60,200</b>

**GENERAL EXPENSES**

	2006	2007	2008	2009	2010	2011		2012
	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	750	500	750
448.618 Conventions	1,335	1,373	1,145	980	1,050	1,500	1,020	1,500
448.738 Clothing and Uniforms	2,079	2,364	1,413	1,977	2,080	2,250	2,000	2,250
448.802 Dues, Subscriptions, and Memberships	2,151	2,215	2,401	2,460	2,171	2,500	2,300	2,500
448.855 Insurance Policies	21,228	12,518	14,990	19,644	25,265	26,500	25,000	26,500
448.858 Workers' Compensation Insurance	10,384	11,738	0	6,627	8,718	12,000	9,000	12,000
448.860 Pension Expense	10,487	11,347	8,102	11,572	11,931	17,000	14,500	15,000
448.865 Bond	0	0	0	0	0	200	152	200
448.870 Medical / Dental Insurance	37,615	36,265	44,438	52,186	60,094	73,500	77,000	83,000
448.871 Health Insurance Opt-Out Program	0	0	0	0	0	0	0	3,000
448.875 Group Term Life/Disability Insurance	3,244	2,858	3,867	3,399	3,866	3,875	3,900	4,200
448.880 Payroll Taxes - FICA	13,002	12,741	13,820	13,459	14,880	15,200	15,000	15,500
448.881 Unemployment Compensation Insurance	1,129	549	638	1,960	1,080	1,275	1,200	1,275
<b>Subtotal</b>	<b>102,883</b>	<b>94,766</b>	<b>91,054</b>	<b>114,322</b>	<b>131,435</b>	<b>156,550</b>	<b>151,572</b>	<b>167,675</b>
<b>MISCELLANEOUS</b>								
448.885 Operational and Management Agreement	67,057	69,396	72,072	74,820	74,820	77,160	77,160	78,960
480.470 Miscellaneous	660	592	225	239	32	1,000	150	1,000
481.460 Board, Staff, and Professional Meetings	69	31	0	0	107	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>78,660</b>	<b>77,560</b>	<b>80,460</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>402,710</b>	<b>396,407</b>	<b>420,485</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 71% of the Finance Office Assistant's wages.

**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 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 \$89 is charged to the Authority and \$183 is charged to the Tax Collection department. This contract expires in early 2012 and negotiations are expected to take place at that time. 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 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**

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.

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 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**

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.

GENERAL EXPENSES

**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 2011 financial statements and preparing the 2011 Annual Report of Municipal Authorities is expected to cost \$12,200. An estimate of \$2,750 is included for professional consultation on other financial issues.

**448.845      LEGAL**

GENERAL EXPENSES

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 \$1,200 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**

## GENERAL EXPENSES

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**

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.

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/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 2011, while health premiums increase approximately 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**

GENERAL EXPENSES

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 2012 rate is .062 of gross earnings up to \$110,100 per employee.

Also covered is the Authority's share of the Medicare tax on employee wages. The 2012 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 2.25% of an employee's first \$8,000 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 \$6,580 per month.

GENERAL EXPENSES

**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.

## **6. NON-OPERATING EXPENSES**

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**NON-OPERATING INCOME (EXPENSE)**

	2006	2007	2008	2009	2010	2011	2012	
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>NON-OPERATING INCOME (EXPENSE)</b>								
341.000 Investment Income	62,760	59,300	40,943	24,420	6,027	7,500	7,200	3,000
341.050 Investment Income - SCI Rockview	19,673	13,308	6,717	803	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>7,500</b>	<b>7,200</b>	<b>3,000</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.

## 7. CAPITAL BUDGET

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College Township Water Authority  
 PLANNED CONSTRUCTION PROJECTS AND CAPITAL ASSET PURCHASES FOR 2012

	2012 FUNDING			
	2010 Construction Fund ( 1 )	Bond Redemp & Improve Fund ( 2 )	2012 Contingencies & Reserve	Total
<u>Water System Upgrade Projects</u>				
Oak Hall Well; Test Drilling and Well Development	\$ 250,000	\$ -	\$ -	\$ 250,000
Oakwood Drive	\$ -	\$ 50,422	\$ -	\$ 50,422
Brush Valley Road	\$ 14,825	\$ -	\$ -	\$ 14,825
Rainto Street/Yardal Road	\$ 64,387	\$ -	\$ -	\$ 64,387
Greenbriar Drive	\$ -	\$ 34,460	\$ -	\$ 34,460
Limerock Terrace	\$ -	\$ 24,120	\$ -	\$ 24,120
Penn State Interconnect	\$ -	\$ 10,000	\$ -	\$ 10,000
<u>Water System Maintenance/Repairs</u>				
Clair Property Drainage Project	\$ -	\$ 250,000	\$ -	\$ 250,000
Dale Street Reservoir	\$ 350,000	\$ -	\$ -	\$ 350,000
Spring Creek Park Well Improvements	\$ 48,125	\$ -	\$ -	\$ 48,125
Spring Creek Park Well - Replace Well Pump Drop Pipe	\$ 10,000	\$ -	\$ -	\$ 10,000
Spring Creek Park Well and Rogers Well; Water Feed Line	\$ -	\$ 5,000	\$ -	\$ 5,000
Spring Creek Park Well/Rogers Well Chlorination System SCADA Controls	\$ -	\$ 5,000	\$ -	\$ 5,000
Rockview PRV North Vault	\$ -	\$ 4,550	\$ -	\$ 4,550
Leak Detection Equipment	\$ -	\$ 4,500	\$ -	\$ 4,500
Replace Turbidity Sensor Hach Model 1720D - Rogers Well	\$ -	\$ 3,015	\$ -	\$ 3,015
<u>Capital Asset Purchases</u>				
Cross Connection Control/Backflow Prevention Program	\$ -	\$ -	\$ 13,500	\$ 13,500
Purchase 55 Residential Meters @ \$135 each	\$ -	\$ -	\$ 7,425	\$ 7,425
Replace 2002 GMC Van	\$ -	\$ 26,000	\$ -	\$ 26,000
New Acquisition - Late Model Used Single Axle Dump Truck	\$ -	\$ 40,000	\$ -	\$ 40,000
Touchreader	\$ -	\$ -	\$ 420	\$ 420
Magnetic Locator	\$ -	\$ -	\$ 950	\$ 950
TOTALS	<u>\$ 737,337</u>	<u>\$ 457,067</u>	<u>\$ 22,295</u>	<u>\$ 1,216,699</u>

Estimated Costs for Future Projects & Equipment	
Third Well	\$ 2,000,000
Emergency Power Supply Generator	\$ 150,000
Elm Street	\$ 39,965
Limerock Terrace Upgrade	\$ 200,000
Puddintown Road	\$ 100,000
Portable Valve Exerciser	\$ 6,500
Clyde Avenue	\$ 55,275
Telog Hydrant Pressure Recorder	\$ 2,030
Radio Read Water Meters	\$ 700,000
	<u>\$ 3,253,770</u>

NOTE:  
 (1) Projected balance in Construction Fund at 1/1/2012 - \$750,000  
 (2) Projected balance in BR&IF at 1/1/2012 - \$684,000

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**2012 WATER SYSTEM UPGRADE PROJECTS**

**OAK HALL WATER WELL; TEST DRILLING AND WELL DEVELOPMENT - \$250,000**

Prior to beginning upgrades of the Oak Hall System, it is only prudent to pre-determine location(s) of new supply wells in the Oak Hall area. This funding is for engineering and test drilling for the development of a new production well at the Oak Hall Park area.

**OAKWOOD DRIVE - \$50,422**

Connect new 8" DI pipe to existing 6" AC main line at the intersection of Oakwood Drive and E. Branch Road. Extend new 8" line along Oakwood Drive and connect to the existing 8" PVC main line at 122 Oakwood Drive. Remove existing fire hydrant from existing 4" AC pipe and install new fire hydrant on the new 8" DI line.

**BRUSH VALLEY ROAD - \$14,825**

Relocate approximately 200 LF of 6" plastic main line currently on the Witherite property at 340 Brush Valley Road. The new 2" plastic line would be located within the township right-of-way on the North Side of Brush Valley Road. The existing Dehass service line at 355 Brush Valley Road will be connected to the new line and a blow-off assembly will be installed at the end of the new 2" main line pipe.

**RAINLO STREET/YARDAL ROAD - \$64,387**

Replace existing 2" steel line from 119 Rainlo Street to the intersection of Yardal Road and the section of 2" steel line along Yardal Road from Rainlo Street to the back lot line of Oakwood Drive. The new main line will be 8" ductile iron pipe connected to the existing 12" PVC line at 119 Rainlo Street. A new fire hydrant will be installed at the intersection of Rainlo Street and Yardal Road. The remaining sections of 2" steel line on Rainlo Street and the back lot section of Oakwood Drive will be connected to the new line. Connect three ¾" service lines on Rainlo Street and one ¾" service line on Yardal Road to the new 8" line.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

### **GREENBRIAR DRIVE - \$34,460**

Replace approximately 360 LF of existing 4" asbestos cement pipe between Hunter Avenue and Seneca Circle on Greenbriar Drive. The new 8" ductile iron line will be connected to the 8" main line on Hunter Avenue and connected to the existing 6" main line on Greenbriar Drive improving fire flow to the Centre Hills area of the distribution system.

### **LIMEROCK TERRACE - \$24,120**

Replace existing 2" steel line that serves the properties at 180,199,206 and 210. This will eliminate the 2" steel line currently under the house at 199. The new line will be 2" CTS plastic pipe.

### **PENN STATE INTERCONNECT - \$10,000**

Upgrade the interconnect piping from the existing 4" connection to a 6" connection with the Penn State distribution system for a backup water supply source. Includes a double check valve, pressure reducing valve, 4" turbo meter, blow off assembly and various other fittings and pipe sections.

## 2012 WATER SYSTEM MAINTENANCE/REPAIRS

### **CLAIR PROPERTY DRAINAGE SYSTEM - \$250,000**

To control excessive storm water infiltration on the Clair property, located in the Rogers Well field Zone 1 source water protection area along Shiloh Road, it is proposed to construct a stormwater drainage system to minimize erosion and to control infiltration and turbidity at the well. Funding will be utilized for supplemental engineering work to be performed by Keller Engineering, to complete final construction drawings related to the project and pay for all related construction work associated with the project.

**CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES**

**DALE STREET RESERVOIR - \$350,000**

The reservoir project entails replacing the cover and liner; replace the bituminous apron with a concrete apron; perform an inspection of the bituminous structure and repair possible leaking areas; modify the fill pipe structure; upgrade the vault and yard piping and replace the fencing.

**SPRING CREEK PARK WELL IMPROVEMENTS - \$48,125**

Prior to undertaking the Dale Street Reservoir improvements, upgrades to existing SCP Well Facilities, including but not limited to Variable Frequency Drive installation for the high service pumps, SCADA modifications, etc., will be required.

VFD's	\$23,000
Installation Bid	\$16,275
SCADS Modifications	<u>\$ 8,850</u>
	\$48,125

**SPRING CREEK PARK WELL – REPLACE WELL PUMP DROP PIPE - \$10,000**

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 AND ROGERS WELL: WATER FEED LINE TO CHLORINE INJECTOR  
WATER FLOW DETECTION SWITCH - \$5,000**

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

If the solenoid on the water feed line fails to open or for any reason water flow is not present in this line the chlorine injection stops. The high service and the well pump both continue to operate until the chlorine analyzer detects no chlorine in the water. At this point both the well pump and high service pumps will be shut down. However, before the analyzer detects this situation the wet wall has been filled with raw water. The new flow detection switch will be installed on the water feed line for the chlorine injection system. When no water flow is detected, the station pumps would immediately shut down and alarm would be activated.

### **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.

### **ROCKVIEW PRV NORTH VAULT - \$4,550**

Replace existing ¾" bypass meter and the 4" main flow meter at the Rockview North Vault. These sensus meters do not have remote read capability, requiring an employee to enter the vault monthly to obtain readings from the meter. The new Omni model replacement meters will have a remote touch pad installed on the exterior of the vault and are prewired for the SCADA system.

### **LEAK DETECTION EQUIPMENT - \$4,500**

The only leak detection equipment we have at this time are the Geophones, which are ineffective in areas with high levels of surface background noise. The proposed new equipment would be a Leak Noise Amplification System with much greater underground sensitivity to accurately locate leaks.

### **REPLACE TURBIDITY SENSOR HACH MODEL 1720D – ROGERS WELL - \$3,015**

**CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES**

We have been informed by Hach Company that replacement parts are no longer available for the model 1720D sensor. The turbidity sensor will be replaced with the latest model 1720E unit.

**CAPITAL ASSET PURCHASES**

**CROSS CONNECTION CONTROL/BACKFLOW PREVENTION PROGRAM - \$13,500**

This new program was started in 2009 to inspect customer interior water service connections for compliance with CTWA Rules and Regulations for the proper installation of backflow prevention devices and overall correct meter set area plumbing. It is proposed that the inspections for 2012 will continue. An additional 100 residential meters @ \$135 will be purchased for the expected change out of old meters found during the inspections.

**PURCHASE 55 RESIDENTIAL METERS - \$7,425**

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.

**REPLACE 2002 GMC VAN UNIT #34 - \$26,000**

	\$29,000
Less trade	<u>\$ 3,000</u>
	\$26,000

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

This truck is used on a daily basis by the Water Utility Technician I system operator.

### **NEW ACQUISITION – LATE MODEL USED SINGLE AXLE DUMP TRUCK - \$40,000**

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.

### **TOUCHREADER - \$420**

This equipment is used for service orders requiring the remote read of meters. With the third unit each service technician would have remote reading equipment with their service truck.

### **MAGNETIC LOCATOR - \$950**

This equipment is used for locating buried curb boxes. With the third unit each service technician would have locating equipment with their service truck.

## 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 for the Rogers Well pump station.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

### **ELM STREET - \$39,965**

Replace existing 2" steel line from the intersection of Shady Drive to the end of Elm Street with 8" ductile iron pipe. Replace the existing 2" steel line from the end of Elm Street along the private gravel driveway with 2" CTS plastic pipe. Re-connect 9 service lines to the new main lines.

### **LIMEROCK TERRACE UPGRADE - \$200,000**

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.

### **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**

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

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.

### **TELOG HYDRANT PRESSURE RECORDER - \$2,030**

The hydrant pressure recorders would be used for long term on-site monitoring of system pressure, water hammer event recording and pressure complaint investigations. The price is for two units including software, cable and security cover with keys.

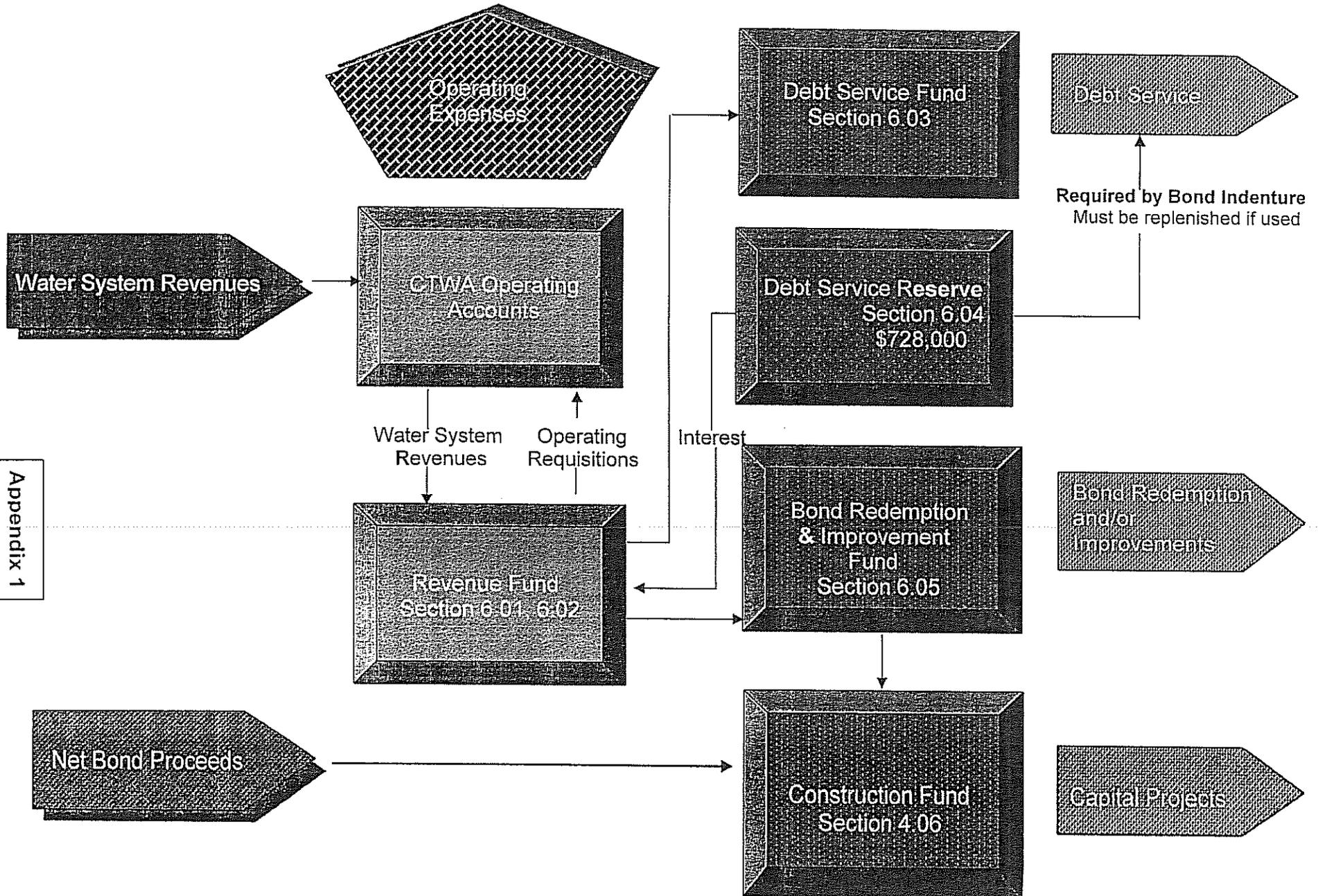
### **RADIO READ WATER METERS - \$700,000**

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

## 8. APPENDIX

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# CTWA Flow Of Funds (Trustee Account)







College Township Water Authority 2012 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	20	2013	\$700	\$35
1997	STONE 2" TRASH PUMP	\$300	20	2017	\$500	\$25
1997	SCHONSTEDT METAL DETECTOR #1	\$875	20	2017	\$1,000	\$50
1997	SCHONSTEDT METAL DETECTOR #2	\$875	20	2017	\$1,000	\$50
1997	FORD TAPPING TOOL	\$800	20	2017	\$950	\$48
1998	FIRE HYDRANT METER	\$600	15	2013	\$750	\$50
2001	STHL MULTI PURPOSE SAW	\$700	15	2016	\$850	\$57
2002	FIRE HYDRANT FLOW TEST KIT	\$1,200	20	2022	\$1,500	\$75
2004	PIPE THREADER	\$1,200	20	2024	\$1,500	\$75
2005	HONDA 2" TRASH PUMP	\$400	15	2020	\$550	\$37
2006	GAS DETECTOR	\$1,300	15	2021	\$1,500	\$100
2006	12 VOLT SUBMERSIBLE PUMP	\$500	12	2018	\$650	\$54
2006	HOSE MONSTER	\$700	20	2026	\$900	\$45
2006	RIGID NO. 460 TRI STAND	\$500	20	2026	\$700	\$35
2007	SCHONSTEDT LINE LOCATOR	\$3,300	15	2022	\$3,500	\$233
2007	ALLEGRO VENTILATOR	\$800	20	2027	\$1,000	\$50
2008	2008 INGERSOLL-RAND LIGHT TOWER	\$6,885	20	2028	\$8,000	\$400
2008	VALVE LUBRICATOR	\$400	20	2028	\$600	\$30
2008	TRIPOD RETRIEVAL WINCH #102-144	\$2,590	20	2028	\$3,000	\$150
2009	SALA LIFT 11.9' TRIPOD	\$800	20	2029	\$1,000	\$50
2009	TRIPOD RETRIEVAL WINCH #108561	\$2,590	20	2029	\$3,000	\$150
2010	3" PIERCING TOOL	\$4,275	15	2025	\$4,500	\$300
2011	STHL MULTI PURPOSE SAW TS 800	\$1,125	10	2021	\$1,300	\$130
2011	HONDA 3000W GENERATOR	\$1,155	15	2026	\$1,300	\$87
	<b>TOTALS:</b>	\$36,370			\$42,750	\$2,447
<b>LAWN &amp; GROUNDS TOOLS:</b>						
2010	CRAFTSMAN LAWN MOWER	\$200	8	2018	\$300	\$38
	<b>TOTALS:</b>	\$200			\$300	\$38
	<b>GRAND TOTALS:</b>	\$185,660			\$216,050	\$17,375

Year To Replace = Purchase Year + Expected Life

Annual Reserve = (Replacement Price - 10% of Purchase Price)/Expected Life

## College Township 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>
<b>WATER SYSTEM REVENUE (1)</b>							
<b>Metered Water Sales</b>							
SCI-Rockview Penitentiary	\$ 172,921	\$ 87,444	\$ 182,204	\$ 235,330	\$ 103,272	\$ 125,000	
UAJA-Beneficial Reuse	-	-	-	57,627	44,001	40,486	
<b>All Other</b>							
Residential	576,728	601,415	633,429	638,160	632,052	717,258	
Commercial	212,112	226,592	250,285	223,313	243,537	272,542	
Industrial	118,516	143,198	161,914	92,555	71,793	71,189	
Other Public	34,199	9,441	12,999	12,296	10,005	18,354	
	<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>	
<b>Unmetered Water Sales and Other Fees</b>							
Fire Services	186,098	195,253	203,329	207,991	210,906	236,263	
Penalties	9,829	10,180	11,454	11,416	14,115	13,812	
Other	2,309	5,437	13,782	9,160	7,864	7,776	
	<u>198,236</u>	<u>210,870</u>	<u>228,565</u>	<u>228,567</u>	<u>232,885</u>	<u>257,851</u>	
<b>Other Receipts and Revenues</b>							
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	
Investment Income	68,830	82,433	72,608	47,660	25,223	6,026	
	<u>295,412</u>	<u>265,736</u>	<u>249,289</u>	<u>253,671</u>	<u>124,842</u>	<u>38,787</u>	
<hr/>							
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>	
<hr/>							
<b>RATE HISTORY (Per Thousand Gallons)</b>							
Rockview	\$1.74	\$1.74	\$1.74	\$1.74	\$2.32	\$2.50	\$2.57
Beneficial Reuse	n/a	n/a	n/a	n/a	n/a	\$5.03	\$5.22
Regular	\$4.25	\$4.25	\$4.25	\$4.95	\$5.20	\$5.60	\$5.75

(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>
Gallons Produced (1)	430,824,000	349,602,560	475,009,918	445,776,000	329,704,000	317,489,000
Gallons billed (2)						
SCI-Rockview Penitentiary	104,859,500	50,000,000	104,715,000	135,247,000	50,000,000	50,000,000
UAJA-Beneficial Reuse						
Cintas	-	-	-	12,950,000	9,483,000	8,049,000
Best Western	-	-	-	-	-	464,000
	-	-	-	12,950,000	9,483,000	8,513,000
All Other	107,187,500	164,854,000	112,092,000	44,148,000	127,203,000	127,848,000
	<u>212,047,000</u>	<u>214,854,000</u>	<u>216,807,000</u>	<u>192,345,000</u>	<u>186,686,000</u>	<u>186,361,000</u>
Unaccounted Gallons (3)	16.8%	23.3%	18.1%	15.9%	26.7%	Not available yet

(1) Source: Annual Public Water Supply Report

(2) Source: Internal records

(3) Source: 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>
Connections Served (1)						
Domestic	2,271	2,352	2,358	2,378	2,361	2,370
Commercial	307	308	309	313	316	319
Industrial	17	17	17	18	18	17
Institutional	13	13	13	13	13	13
Bulk Sales to other PWS	1	1	1	1	2	2
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>
Metered Water Use (GPD) - (1)						
Domestic	371,783	366,126	367,674	351,140	333,009	344,745
Commercial	136,736	137,956	145,278	123,262	128,312	130,989
Industrial	76,400	87,183	93,983	51,087	37,826	34,241
Institutional	7,219	5,748	7,545	6,787	5,271	8,784
Bulk Sales to other PWS	287,286	72,389	286,890	369,527	81,756	64,958
Unaccounted	300,916	288,420	400,019	316,164	317,368	286,116
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>
% 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>
Debt Coverage Requirement (2)						
Admin and Operating Expense (Actual) \$	584,163	\$ 653,937	\$ 645,278	\$ 670,762	\$ 663,658	\$ 755,164
110% of Debt Service Requirement	612,808	612,052	611,117	791,503	795,312	552,828
	<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>
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>
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>

(1) Source: Annual Water Supply Report

(2) Source: Audit Reports