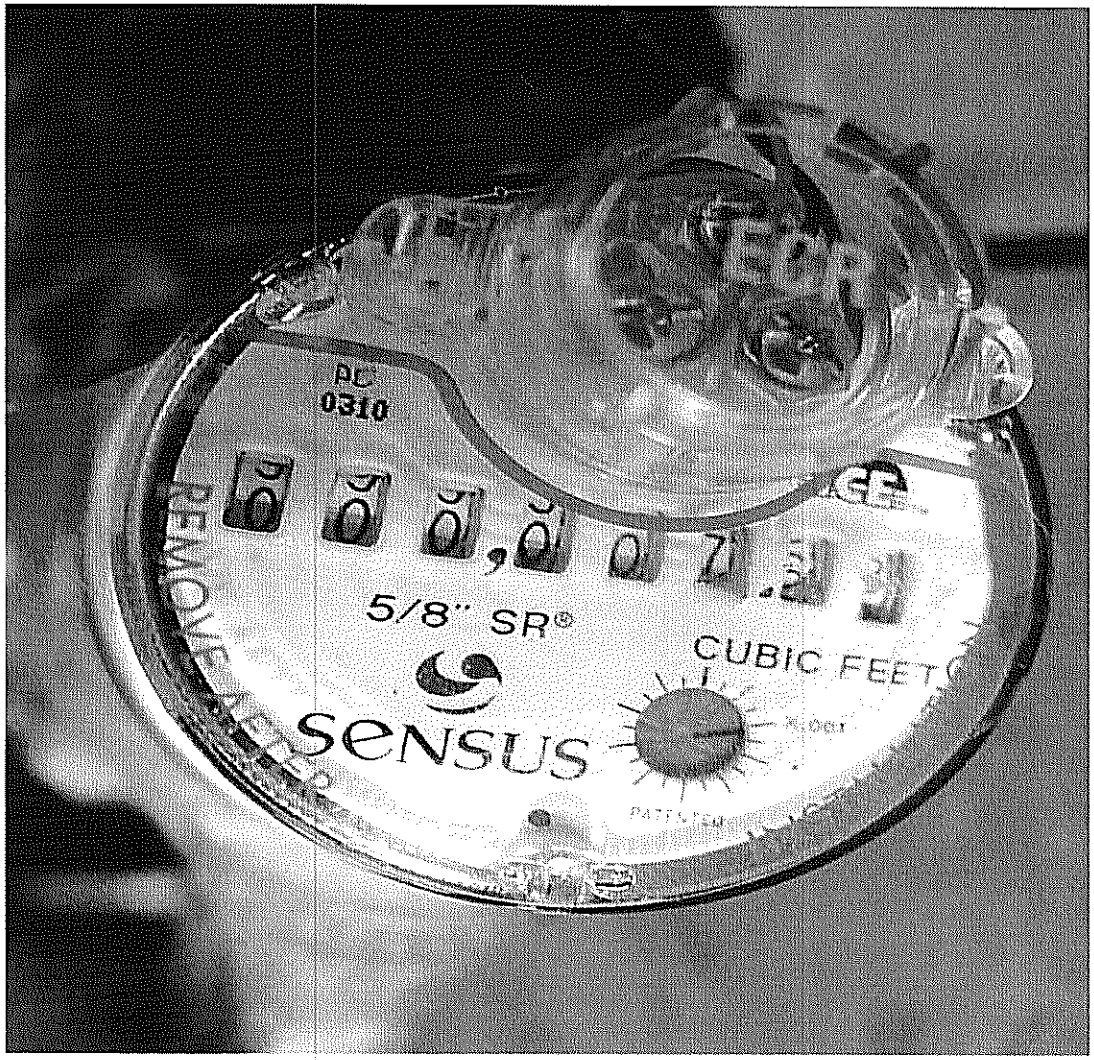
# College Township Water Authority




# 2011 Budget

BOB L.

# COLLEGE TOWNSHIP WATER AUTHORITY
# CENTRE COUNTY, PENNSYLVANIA

## RESOLUTION #R10-05

## A RESOLUTION OF THE COLLEGE TOWNSHIP WATER AUTHORITY, CENTRE COUNTY ADOPTING THE 2011 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 2011 providing for $1,585,349 in total revenues and $1,526,737 in total expenses. An amount of $58,612 will be available for contingencies and reserve. Additional budget detail is provided in the 2011 Budget document made a part hereof by reference.

**DULY ENACTED** this 1st day of December, 2010.

**COLLEGE TOWNSHIP WATER AUTHORITY**

**Chair**

**ATTEST:**

**Secretary**

COLLEGE TOWNSHIP WATER AUTHORITY

# TOWNSHIP OF COLLEGE - CENTRE COUNTY, PENNSYLVANIA

## RESOLUTION #R10-04

ADOPTION OF A REVISED WATER RATE SCHEDULE TO BE CHARGED BY THE COLLEGE TOWNSHIP WATER AUTHORITY (CTWA) FOR WATER SERVICE BILLED TO CUSTOMERS BEGINNING January 1, 2011

**WHEREAS**, the CTWA is subject to the Pennsylvania Municipality Authorities Act;

**WHEREAS**, the Act allows the CTWA to fix, alter, charge and collect rates and other charges in the area served by its facilities at rates to be determined exclusively by the CTWA, for the purpose of providing for 1) payment of the expenses of the CTWA, 2) the construction, improvement, repair, maintenance, and operation of its facilities and properties, 3) payment of principal and interest on its obligations, and 4) other expenses (as permitted by the Act);

**NOW THEREFORE BE IT RESOLVED**, that the CTWA hereby adopts the rate schedule attached hereto as Schedule A, as rates and other charges to its customers and applied to all billings subsequent to December 31, 2010.

**DULY ADOPTED** this 1st day of December, 2010.

**COLLEGE TOWNSHIP WATER AUTHORITY**

**BY:** Martin McCann

**Chairman**

**ATTEST:**

Carmen T. Santosanio

**Secretary**

# College Township Water Authority
# Schedule of Water Rates
## Schedule A

Revised: January 1, 2011

Per 1,000 gallons of water used 3,000 minimum charge........................................................$ 5.75

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..........................................................................$5,387.00 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 | | | |
|---|---|---|---|---|
| | ¾" | 1" | 1 ½" | 2" *** |
| *Connection Fee (Cost to run a waterline from the main to the property line or curb stop)* | | | | |
| Authority Installs Service Connection | Actual Cost | Actual Cost | Actual Cost | Actual Cost |
| 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** | Varies | Varies | Varies | Varies |
| 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.

## Table of Contents

COLLEGE TOWNSH[illegible]ATER AUTHORITY
YEAR 2011 OPERAT[illegible]BUDGET SUMMARY

*OPERATING BUDGET SUMMARY*

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| **OPERATING INCOME** | | | | | | | | |
| Water System Revenues | 1,539,294 | 1,462,263 | 1,646,077 | 1,693,859 | 1,349,488 | 1,536,668 | 1,495,890 | 1,577,849 |
| **OPERATING EXPENSES** | | | | | | | | |
| Purification and Pumping | 144,852 | 145,238 | 140,570 | 149,208 | 130,872 | 143,650 | 135,635 | 134,070 |
| Distribution System | 148,272 | 213,032 | 195,877 | 226,458 | 194,777 | 226,440 | 217,625 | 233,419 |
| General Expense | 291,039 | 295,667 | 308,830 | 295,096 | 342,214 | 374,840 | 367,824 | 402,710 |
| **TOTAL OPERATING EXPENSES** | 584,163 | 653,937 | 645,277 | 670,762 | 667,863 | 744,930 | 721,084 | 770,199 |
| **OPERATING MARGIN** | 955,131 | 808,326 | 1,000,800 | 1,023,097 | 681,625 | 791,738 | 774,806 | 807,650 |
| **NON-OPERATING INCOME (EXPENSE)** | 68,830 | 82,433 | 72,608 | 47,660 | 25,223 | 17,500 | 7,500 | 7,500 |
| | **1,023,961** | **890,759** | **1,073,408** | **1,070,757** | **706,848** | **809,238** | **782,306** | **815,150** |
| **LESS: DEBT SERVICE REQUIREMENT** | 557,098 | 556,411 | 441,330 | 432,928 | 423,111 | 720,986 | 386,849 | 726,273 |
| | 466,863 | 334,348 | 632,078 | 637,829 | 283,737 | **88,252** | **395,457** | **88,877** |
| **LESS: DISCRETIONARY CAPITAL ITEMS** | | | | | | 70,700 | 30,000 | 30,265 |
| **AVAILABLE FOR: Contingencies and Reserve** | | | | | | 17,552 | 365,457 | 58,612 |
| **ALLOWABLE OPERATING REQUISITIONS** | | | | | | | | |

**Calculation of Required Coverage (Section 5.01)**

| | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|
| Water System Revenues | 1,536,668 | 1,495,890 | 1,577,849 |
| Investment Income | 17,500 | 7,500 | 7,500 |
| | **1,554,168** | **1,503,390** | **1,585,349** |
| Administrative and operating expenses | 744,930 | 721,084 | 770,199 |
| 110% of Debt Service Requirement | 793,085 | 425,534 | 798,900 |
| | **1,538,015** | **1,146,618** | **1,569,099** |
| Excess Coverage | **16,153** | **356,772** | **16,250** |

## OPERATING INCOME

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| **WATER SYSTEM REVENUES** | | | | | | | | |
| **METERED WATER REVENUES** | | | | | | | | |
| 378.110 Metered Water Revenues - Residential | 576,728 | 601,415 | 633,429 | 638,160 | 632,052 | 700,000 | 695,000 | 718,750 |
| 378.120 Metered Water Revenues - Commercial | 212,112 | 226,592 | 250,285 | 223,313 | 243,537 | 280,000 | 263,000 | 287,500 |
| 378.130 Metered Water Revenues - Industrial | 118,516 | 143,198 | 161,914 | 92,555 | 71,793 | 84,000 | 72,000 | 86,250 |
| 378.140 Metered Water Revenues - Other Public | 34,199 | 9,441 | 12,999 | 12,296 | 10,005 | 11,760 | 10,000 | 12,075 |
| 378.141 Metered Water Revenues - SCI Rockview | 172,921 | 87,444 | 182,204 | 235,330 | 103,272 | 125,000 | 125,000 | 128,500 |
| 378.142 Metered Water Revenues - UAJA BRW | 0 | 0 | 0 | 57,627 | 44,001 | 55,330 | 40,486 | 60,030 |
| **Subtotal** | 1,114,476 | 1,068,090 | 1,240,831 | 1,259,281 | 1,104,660 | 1,256,090 | 1,205,486 | 1,293,105 |
| **FIRE SERVICES** | | | | | | | | |
| 378.405 Fire Services - CTWA Hydrants | 58,802 | 63,191 | 66,733 | 68,427 | 69,659 | 84,132 | 83,640 | 84,132 |
| 378.410 Fire Services - Private Hydrants | 4,844 | 4,729 | 4,883 | 4,883 | 5,037 | 5,544 | 5,081 | 4,312 |
| 378.420 Fire Services - Sprinkler Fire Lines | 122,452 | 127,333 | 131,713 | 134,681 | 136,210 | 149,752 | 146,933 | 152,450 |
| **Subtotal** | 186,098 | 195,253 | 203,329 | 207,991 | 210,906 | 239,428 | 235,654 | 240,894 |
| **OTHER WATER RELATED REVENUES** | | | | | | | | |
| 378.300 Penalties | 9,829 | 10,180 | 11,454 | 11,416 | 14,115 | 13,500 | 13,500 | 13,500 |
| 378.500 Water Main Connection Fees | 75,305 | 25,947 | 13,003 | 35,756 | 11,943 | 22,300 | 35,000 | 25,000 |
| 378.505 Capital Recovery - SCI Rockview | 151,277 | 157,356 | 163,678 | 170,255 | 0 | 0 | 0 | 0 |
| 378.510 Meter Sales and Installations | 492 | 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 | 1,817 | 5,437 | 13,782 | 9,160 | 7,864 | 5,350 | 6,250 | 5,350 |
| **Subtotal** | 238,720 | 198,920 | 201,917 | 226,587 | 33,922 | 41,150 | 54,750 | 43,850 |
| **TOTAL WATER SYSTEM REVENUES** | 1,539,294 | 1,462,263 | 1,646,077 | 1,693,859 | 1,349,488 | 1,536,668 | 1,495,890 | 1,577,849 |

# OPERATING REVENUES

## METERED WATER REVENUE

Effective January 1, 2011, water consumption is proposed to be billed to the majority of its customers for each meter at $5.75 per 1,000 gallons consumed, an increase of 2.7% over the 2010 rate.

**SCI- ROCKVIEW:** During 2003, the Authority entered into an agreement with the Commonwealth of Pennsylvania whereby the Authority has agreed to provide the Department of Corrections up to 700,000 gallons of potable water daily as a backup water supply. The Commonwealth has committed to a minimum purchase of 50 million gallons of water per year. The initial contract rate, which was fixed for a period of 5 years, now adjusts on an annual basis. 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. 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 2011, along with the total billed usage for those customer classes, is as shown in the following table:

| CUSTOMER CLASS | NUMBER | BILLING USAGE (GALLONS) | REVENUE |
|---|---|---|---|
| Residential | 2,395 | 125,000,000 | $718,750 |
| Commercial | 321 | 50,000,000 | 287,500 |
| Industrial | 19 | 15,000,000 | 86,250 |
| Other | 17 | 2,100,000 | 12,075 |
| | **2,752** | **192,100,000** | **$ 1,104,575** |
| UAJA – Beneficial Reuse | 3 | 11,500,000 | 60,030 |
| SCI-Rockview | 1 | 50,000,000 | 128,500 |
| **TOTAL** | **2,756** | **253,600,000** | **$ 1,293,105** |

# 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 2011:

| HYDRANTS | NUMBER | ANNUAL CHARGE | REVENUE |
|---|---|---|---|
| Hydrants – Authority owned and maintained | 228 | $ 369 | $84,132 |
| Hydrants – Privately owned and maintained | 14 | $ 308 | $ 4,312 |
| **STANDBY FIRE LINES** | **NUMBER** | **ANNUAL CHARGE** | **REVENUE** |
| Sprinkler – 4" fire service | 15 | $ 1,349 | $20,235 |
| Sprinkler – 6" fire service | 23 | $ 2,698 | 62,054 |
| Sprinkler – 8" fire service | 13 | $ 5,397 | 70,161 |
| | 48 | | $152,450 |

## 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 for 6/9/2009.

## METER SALES AND INSTALLATIONS

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

## MISCELLANEOUS WATER REVENUES

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

## PURIFICATION AND PUMPING EXPENSES

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| **PURIFICATION EXPENSE** | | | | | | | | |
| 448.201 Operating Supplies and Exp-Mt Nittany Contac | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.202 Chemical Purchases | 31,596 | 24,131 | 25,397 | 22,565 | 21,323 | 23,100 | 22,000 | 23,100 |
| 448.203 Power Purchased - Mt Nittany Contact Tank | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.204 Water Analysis | 17,356 | 14,034 | 11,809 | 17,972 | 15,243 | 8,520 | 9,250 | 8,520 |
| 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 |
| TOTAL PURIFICATION | 48,952 | 38,165 | 37,206 | 40,537 | 36,566 | 31,620 | 31,250 | 31,620 |
| **PUMPING EXPENSE** | | | | | | | | |
| PUDDINTOWN STATION | | | | | | | | |
| 448.311 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.312 Power Purchased | 63 | 51 | 0 | 0 | 180 | 90 | 75 | 90 |
| 448.313 Equipment Maintenance | 0 | 0 | 0 | 0 | 204 | 0 | 0 | 0 |
| 448.314 Structure Maintenance | 420 | 0 | 0 | 612 | 0 | 250 | 250 | 250 |
| Subtotal | 483 | 51 | 0 | 612 | 384 | 340 | 325 | 340 |
| MATILDA BOOSTER STATION | | | | | | | | |
| 448.321 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.322 Power Purchased | 1,591 | 1,416 | 1,262 | 1,656 | 1,315 | 1,680 | 1,100 | 1,350 |
| 448.323 Equipment Maintenance | 0 | 13 | 0 | 38 | 0 | 250 | 250 | 250 |
| 448.324 Structure Maintenance | 0 | 0 | 0 | 118 | 0 | 150 | 1,100 | 150 |
| Subtotal | 1,591 | 1,429 | 1,262 | 1,812 | 1,315 | 2,080 | 2,450 | 1,750 |
| LEMONT BOOSTER STATION | | | | | | | | |
| 448.331 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.332 Power Purchased | 3,493 | 3,669 | 2,802 | 3,212 | 2,777 | 3,600 | 2,500 | 3,250 |
| 448.333 Equipment Maintenance | 3,018 | 0 | 3,417 | 1,536 | 179 | 2,000 | 500 | 2,000 |
| 448.334 Structure Maintenance | 887 | 74 | 148 | 945 | 289 | 1,000 | 500 | 1,000 |
| Subtotal | 7,398 | 3,743 | 6,367 | 5,693 | 3,245 | 6,600 | 3,500 | 6,250 |
| SPRING CREEK PARK WELL | | | | | | | | |
| 448.361 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.362 Power Purchased | 28,943 | 26,258 | 31,208 | 32,691 | 32,361 | 38,100 | 34,000 | 35,000 |

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| 448.363 Equipment Maintenance | 446 | 8,474 | 4,088 | 5,376 | 3,269 | 4,500 | 9,250 | 7,500 |
| 448.364 Structure Maintenance | 13 | 415 | 0 | 310 | 101 | 500 | 250 | 500 |
| 448.365 Well Monitoring Costs | 2,403 | 3,652 | 6,816 | 0 | 3,540 | 2,500 | 0 | 0 |
| 448.367 Easement Costs | 0 | 5,000 | 5,000 | 5,000 | 5,610 | 5,610 | 5,610 | 5,610 |
| **Subtotal** | **31,805** | **43,799** | **47,112** | **43,377** | **44,881** | **51,210** | **49,110** | **48,610** |
| **ROGERS WELL** | | | | | | | | |
| 448.371 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.372 Power Purchased | 37,838 | 34,575 | 37,641 | 45,061 | 37,196 | 43,800 | 36,000 | 37,000 |
| 448.373 Equipment Maintenance | 235 | 3,163 | 423 | 231 | 2,250 | 2,000 | 3,000 | 2,000 |
| 448.374 Structure Maintenance | 34 | 1,715 | 626 | 234 | 12 | 500 | 4,500 | 1,000 |
| 448.375 Well Monitoring Costs | 16,516 | 18,598 | 9,933 | 11,651 | 5,023 | 5,500 | 5,500 | 5,500 |
| **Subtotal** | **54,623** | **58,051** | **48,623** | **57,177** | **44,481** | **51,800** | **49,000** | **45,500** |
| **INTERCONNECTIONS - SCBWA ,PSU, and BELLEFONTE** | | | | | | | | |
| 448.386 Purchased Water | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.388 Interconnection Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Subtotal** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **TOTAL PUMPING** | **95,900** | **107,073** | **103,364** | **108,671** | **94,306** | **112,030** | **104,385** | **102,450** |
| **TOTAL PURIFICATION AND PUMPING** | **144,852** | **145,238** | **140,570** | **149,208** | **130,872** | **143,650** | **135,635** | **134,070** |

## 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.

## 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.

**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.

## 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.

### 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

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 EXPENSES

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| **STORAGE-DALE ST RESERVOIR** | | | | | | | | |
| 448.341 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.342 Power Purchased | 308 | 285 | 379 | 438 | 113 | 480 | 300 | 300 |
| 448.343 Equipment Maintenance | 855 | 3,555 | 80 | 5,701 | 1,659 | 2,000 | 0 | 2,000 |
| 448.344 Structure Maintenance | 89 | 4,009 | 2,286 | 8,855 | 304 | 1,000 | 3,500 | 1,000 |
| **Subtotal** | 1,252 | 7,849 | 2,745 | 14,994 | 2,076 | 3,480 | 3,800 | 3,300 |
| **STORAGE-STRUBLE RD TANK** | | | | | | | | |
| 448.351 Operating Supplies and Expense | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 448.352 Power Purchased | 0 | 0 | 0 | 0 | 289 | 300 | 150 | 250 |
| 448.353 Equipment Maintenance | 0 | 0 | 0 | 0 | 1,443 | 1,750 | 0 | 1,750 |
| 448.354 Structure Maintenance | 0 | 0 | 0 | 57 | 530 | 1,000 | 0 | 1,000 |
| **Subtotal** | 0 | 0 | 0 | 57 | 2,262 | 3,050 | 150 | 3,000 |
| **MAINTENANCE-DISTRIBUTION SYSTEM** | | | | | | | | |
| 448.475 Maintenance of Distribution / Trans Mains | 16,654 | 29,283 | 20,902 | 14,073 | 8,710 | 15,000 | 9,500 | 14,000 |
| 448.490 Maintenance of Service Lines | 10,932 | 17,607 | 5,382 | 9,913 | 18,831 | 13,000 | 15,500 | 14,000 |
| 448.510 Maintenance of Hydrants | 852 | 673 | 4,962 | 2,186 | 1,394 | 3,000 | 2,100 | 3,000 |
| 448.530 Meter Supplies and Maintenance | 1,885 | 2,041 | 2,090 | 1,370 | 2,392 | 3,000 | 2,500 | 2,500 |
| 448.532 PRV - Penn Hills | 0 | 0 | 0 | 0 | 0 | 300 | 150 | 300 |
| 448.534 PRV - Independence Place | 620 | 0 | 845 | 2 | 0 | 300 | 150 | 300 |
| 448.536 PRV - Oak Hall | 460 | 189 | 845 | 279 | 1,693 | 300 | 150 | 300 |
| 448.537 PRV - Rockview North | 0 | 110 | 115 | 0 | 85 | 300 | 1,300 | 300 |
| 448.538 PRV - Rockview South | 5 | 91 | 217 | 0 | 0 | 300 | 150 | 300 |
| 448.539 PRV - Bellefonte Interconnect | 0 | 0 | 0 | 0 | 76 | 300 | 150 | 300 |
| 448.541 PRV - Nittany Commons | 0 | 0 | 0 | 0 | 0 | 300 | 150 | 300 |
| **Subtotal** | 31,408 | 49,994 | 35,358 | 27,823 | 33,181 | 36,100 | 31,800 | 35,600 |
| **GENERAL-DISTRIBUTION SYSTEM** | | | | | | | | |
| 448.181 Contract Labor - College Twp Personnel | 19,712 | 26,318 | 35,359 | 40,711 | 24,365 | 31,669 | 34,000 | 34,000 |
| 448.540 Contract Labor - Technicians | 88,820 | 117,536 | 114,104 | 127,111 | 122,848 | 128,200 | 132,000 | 132,000 |
| 448.556 Leak Detection Services | 4,000 | 5,343 | 0 | 2,311 | 0 | 5,000 | 4,000 | 5,000 |
| 448.570 Storage Rental | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| 448.575 R-O-W, Regulatory Compliance | 1,620 | 581 | 726 | 2,142 | 1,692 | 2,500 | 2,500 | 5,500 |
| 448.648 Pa One Call Service | 591 | 780 | 1,163 | 1,152 | 783 | 1,200 | 1,200 | 1,200 |
| 448.760 Small Tools and Minor Equipment | 869 | 4,383 | 1,856 | 3,541 | 1,224 | 3,000 | 1,000 | 2,000 |
| 448.761 Repairs and Maintenance-Water Equip | 0 | 0 | 4,107 | 2,750 | 5,060 | 11,291 | 6,700 | 10,869 |
| 448.762 Safety Equipment | 0 | 248 | 459 | 3,866 | 1,275 | 950 | 475 | 950 |
| **Subtotal** | 115,612 | 155,189 | 157,774 | 183,584 | 157,258 | 183,810 | 181,875 | 191,519 |
| **TOTAL DISTRIBUTION SYSTEM** | 148,272 | 213,032 | 195,877 | 226,458 | 194,777 | 226,440 | 217,625 | 233,419 |

## 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.

# DISTRIBUTION SYSTEM EXPENSES

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

## 448.490 MAINTENANCE OF SERVICE LINES

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

## 448.510 MAINTENANCE OF HYDRANTS

This item covers the cost incurred in maintaining, including painting fire hydrants. Currently, the authority maintains 228 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.

## 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.

## 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 producing the annual water quality report, acquiring right of ways, various permits required by state and federal regulatory bodies, fees associated with regulatory reporting such as the Tier II Report, 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.

## 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 EQUPMENT

This line item covers the cost of maintaining specialized water system equipment such as the SCADA System and Chlorine Analyzers. For 2011, the following costs are as follows:

**Hach Company Service Agreement - $2,969**

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

**Tri-Star – SCADA Maintenance Agreement - $7,900**

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.

| | |
|---|---|
| **Tri-Star Agreement** | **$3,900.00** |
| **Repairs/Parts** | **$4,000.00** |
| | **$ 7,900.00** |

## 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 2011 that will serve to increase safety in the work place.

## GENERAL EXPENSES

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| **OFFICE** | | | | | | | | |
| 448.600 Contract Labor - Billing and Cust Serv | 35,926 | 38,280 | 40,478 | 37,054 | 31,058 | 41,435 | 44,995 | 45,000 |
| 448.605 Contract Labor - College Twp Personnel | 3,787 | 6,208 | 7,721 | 8,508 | 10,038 | 9,250 | 10,900 | 11,000 |
| 448.610 Contract Labor - Meter Reading | 3,974 | 3,877 | 5,782 | 10,997 | 12,930 | 12,300 | 11,500 | 12,300 |
| 448.612 Professional Employment Services | 0 | 0 | 0 | 1,468 | 11,742 | 0 | 386 | 0 |
| 448.620 Office and Other Supplies | 2,617 | 3,084 | 1,939 | 2,301 | 4,681 | 3,750 | 2,500 | 3,750 |
| 448.621 Computer and Software Maintenance | 3,213 | 2,497 | 6,100 | 4,384 | 4,564 | 5,250 | 4,250 | 5,250 |
| 448.625 Postage and Freight Charges | 3,374 | 5,100 | 4,531 | 4,403 | 4,100 | 5,000 | 5,000 | 5,000 |
| 448.641 Advertising | 1,307 | 584 | 3,254 | 1,004 | 653 | 1,000 | 1,000 | 1,000 |
| 448.643 Internet and Email | 230 | 1,157 | 1,362 | 1,535 | 1,714 | 1,750 | 1,750 | 1,750 |
| 448.645 Telephone | 1,709 | 2,127 | 2,208 | 1,862 | 1,630 | 2,000 | 1,750 | 2,000 |
| 448.647 Cellular Phone | 415 | 763 | 420 | 548 | 487 | 800 | 800 | 800 |
| 448.655 Uncollectible Accounts | (2,696) | (496) | 1,251 | 1,806 | -1,286 | 0 | 0 | 0 |
| **Subtotal** | **53,856** | **63,181** | **75,046** | **75,870** | **82,311** | **82,535** | **84,831** | **87,850** |
| **GENERAL PROPERTY** | | | | | | | | |
| 448.702 Vehicle Repairs and Maintenance | 2,572 | 4,721 | 8,119 | 7,496 | 2,626 | 5,000 | 2,000 | 5,000 |
| 448.731 Vehicle Fuels: Gas, Diesel, Oil, Etc | 3,007 | 4,062 | 4,251 | 5,741 | 3,082 | 3,900 | 4,600 | 5,000 |
| 448.735 Repairs of Tools and Machinery | 167 | 345 | 309 | 117 | 15 | 500 | 750 | 750 |
| 448.740 Materials and Supplies | 2,107 | 1,267 | 2,322 | 2,064 | 2,606 | 2,950 | 2,250 | 2,950 |
| 448.765 Radio/Paging Equipment and Maint | 322 | 221 | 237 | 4,024 | 180 | 450 | 225 | 450 |
| 448.770 Rental of Equipment | 4,130 | 4,887 | 11,712 | 1,523 | 3,351 | 6,000 | 7,100 | 7,000 |
| **Subtotal** | **12,305** | **15,503** | **26,950** | **20,965** | **11,860** | **18,800** | **16,925** | **21,150** |
| **ENGINEERING AND PROFESSIONAL** | | | | | | | | |
| 448.810 Engineering - Consulting | 43,486 | 34,054 | 21,656 | 19,795 | 29,243 | 25,000 | 32,000 | 32,000 |
| 448.818 Engineering - Inspection | 0 | 0 | 2,523 | 0 | 0 | 2,500 | 0 | 0 |
| 448.840 Accounting and Audit | 17,805 | 11,765 | 15,060 | 12,868 | 18,059 | 15,900 | 14,500 | 15,900 |
| 448.845 Legal | 3,207 | 495 | 1,210 | 647 | 5,556 | 12,000 | 5,000 | 9,000 |
| 448.850 Professional - Other | 7,000 | 0 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 | 1,600 |
| **Subtotal** | **71,498** | **46,314** | **42,049** | **34,910** | **54,458** | **57,000** | **53,100** | **58,500** |

## GENERAL EXPENSES

| | 2005 AUDITED | 2006 AUDITED | 2007 AUDITED | 2008 AUDITED | 2009 AUDITED | 2010 BUDGET | 2010 EXPECTED | 2011 PROPOSED |
|---|---|---|---|---|---|---|---|---|
| **TAXES, BENEFITS, AND INSURANCE** | | | | | | | | |
| 448.615 Training - Distribution and Office | 530 | 229 | 798 | 240 | 58 | 1,000 | 300 | 750 |
| 448.618 Conventions | 1,295 | 1,335 | 1,373 | 1,145 | 980 | 1,500 | 1,050 | 1,500 |
| 448.738 Clothing and Uniforms | 2,575 | 2,079 | 2,364 | 1,413 | 1,977 | 2,000 | 2,250 | 2,250 |
| 448.802 Dues, Subscriptions, and Memberships | 1,959 | 2,151 | 2,215 | 2,401 | 2,460 | 2,500 | 2,500 | 2,500 |
| 448.855 Insurance Policies | 19,683 | 21,228 | 12,518 | 14,990 | 19,644 | 17,250 | 26,500 | 26,500 |
| 448.858 Workers' Compensation Insurance | 9,552 | 10,384 | 11,738 | 0 | 6,627 | 12,000 | 10,000 | 12,000 |
| 448.860 Pension Expense | 9,218 | 10,487 | 11,347 | 8,102 | 11,572 | 14,100 | 12,143 | 17,000 |
| 448.865 Bond | 154 | 0 | 0 | 0 | 0 | 200 | 200 | 200 |
| 448.870 Medical / Dental Insurance | 29,703 | 37,615 | 36,265 | 44,438 | 52,186 | 68,600 | 62,500 | 73,500 |
| 448.875 Group Term Life/Disability Insurance | 2,362 | 3,244 | 2,858 | 3,867 | 3,399 | 3,875 | 3,875 | 3,875 |
| 448.880 Payroll Taxes - FICA | 11,183 | 13,002 | 12,741 | 13,820 | 13,459 | 15,200 | 15,000 | 15,200 |
| 448.881 Unemployment Compensation Insurance | 961 | 1,129 | 549 | 638 | 1,960 | 1,960 | 1,080 | 1,275 |
| **Subtotal** | **89,175** | **102,883** | **94,766** | **91,054** | **114,322** | **140,185** | **137,398** | **156,550** |
| **MISCELLANEOUS** | | | | | | | | |
| 448.885 Operational and Management Agreement | 64,044 | 67,057 | 69,396 | 72,072 | 74,820 | 74,820 | 74,820 | 77,160 |
| 480.470 Miscellaneous | 52 | 660 | 592 | 225 | 239 | 1,000 | 500 | 1,000 |
| 481.460 Board, Staff, and Professional Meetings | 109 | 69 | 31 | 0 | 4,204 | 500 | 250 | 500 |
| **Subtotal** | 64,205 | 67,786 | 70,019 | 72,297 | 79,263 | 76,320 | 75,570 | 78,660 |
| **TOTAL GENERAL EXPENSE** | 291,039 | 295,667 | 308,830 | 295,096 | 342,214 | 374,840 | 367,824 | 402,710 |

## 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 40% of the Finance Office Assistant's wages. The budgeted amount includes scheduled overtime incurred for attendance at Authority meetings by the recording secretary.

### 448.605 CONTRACT LABOR – COLLEGE TOWNSHIP PERSONNEL

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

### 448.610 CONTRACT LABOR – METER READER

This line item covers the wages incurred for the part-time meter reader (non-exempt) which requires approximately 145 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, 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. 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**

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.

## 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 2010 financial statements and preparing the 2010 Annual Report of Municipal Authorities is expected to cost $13,200. An estimate of $2,650 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.

### 448.850 PROFESSIONAL - OTHER

This line item covers the annual trustee's fee of $1,600 for administering the 2003 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

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

## 448.855 INSURANCE POLICIES

Pursuant to section 10.03 of the Trust Indenture dated November 5, 2003; the Authority maintains public liability, property damage, and workers' compensation insurance satisfactory to the Trustee. This account covers the cost of <u>all insurance</u>, including the Authority's share of the public official's liability insurance, <u>other than</u> 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.

**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 2010, while health premiums increase approximately 20%.

**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 2011 rate is .062 of gross earnings up to $106,800 per employee.

Also covered is the Authority's share of the Medicare tax on employee wages. The 2011 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 remain at the present amount of $6,430 per month.

## 480.470 MISCELLANEOUS

This line item includes a $500 contribution to the Spring Creek Watershed Community's 2011 Water Resource Monitoring Project and $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 (EXPENSE)

| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | | 2011 |
|---|---|---|---|---|---|---|---|---|
| | AUDITED | AUDITED | AUDITED | AUDITED | AUDITED | BUDGET | EXPECTED | PROPOSED |
| **NON-OPERATING INCOME (EXPENSE)** | | | | | | | | |
| 341.000 Investment Income | 43,084 | 62,760 | 59,300 | 40,943 | 24,420 | 17,500 | 7,500 | 7,500 |
| 341.050 Investment Income - SCI Rockview | 25,746 | 19,673 | 13,308 | 6,717 | 803 | 0 | 0 | 0 |
| **NET NON-OPERATING INCOME (EXP)** | 68,830 | 82,433 | 72,608 | 47,660 | 25,223 | 17,500 | 7,500 | 7,500 |

College Townsh[illegible] Water Authority
PLANNED CONSTRUCTION PROJECTS / CAPITAL ASSET PURCHASES FOR 2011

| | 2011 FUNDING | | | |
|---|---|---|---|---|
| | 2010 Construction Fund (1) | Bond Redemp & Improve Fund (2) | 2011 Contingencies & Reserve | Total |
| **Water System Upgrade Projects** | | | | |
| Fairlawn Avenue | $ - | $ 11,605 | $ - | $ 11,605 |
| PSU Interconnect | $ - | $ 14,000 | $ - | $ 14,000 |
| Hillview Avenue | $ - | $ 7,410 | $ - | $ 7,410 |
| Murphy Lane/Orchard Road | $ - | $ 8,044 | $ - | $ 8,044 |
| E. College Ave. Fire Hydrant | $ - | $ 7,775 | $ - | $ 7,775 |
| Scholl Street | $ - | $ 46,331 | $ - | $ 46,331 |
| Lester Street/Thornton Road | $ - | $ 20,206 | $ - | $ 20,206 |
| E. Branch Road Main Line | $ 100,000 | $ - | $ - | $ 100,000 |
| Oak Hall Well; Preliminary Investigation | $ 200,000 | $ - | $ - | $ 200,000 |
| **Water System Maintenance/Repairs** | | | | |
| Clair Property Drainage Project | $ 250,000 | $ - | $ - | $ 250,000 |
| Dale Street Reservoir / Spring Creek Park Well Improvements | $ 350,000 | $ - | $ - | $ 350,000 |
| Re-calibrate Well Station Meters (Spring Cr. & Rogers) | $ - | $ - | $ 3,000 | $ 3,000 |
| Water Feed Line to Chlorine Injector Water Flow Detection Switch | $ - | $ - | $ 5,000 | $ 5,000 |
| **Capital Asset Purchases** | | | | |
| Cross Connection Control/Backflow Prevention Program | $ - | $ - | $ 7,150 | $ 7,150 |
| Purchase 55 Residential Meters @ $130 each | $ - | $ - | $ 7,150 | $ 7,150 |
| Replace Sensus Meter Reading Device | $ - | $ - | $ 5,320 | $ 5,320 |
| Replace 2001 Stihl Multi Purpose Saw | $ - | $ - | $ 1,145 | $ 1,145 |
| Replace 1993 5000 Watt Generator | $ - | $ - | $ 1,500 | $ 1,500 |
| TOTALS | $ 900,000 | $ 115,371 | $ 30,265 | $ 1,045,636 |

**Estimated Costs for Future Projects & Equipment**

| | |
|---|---|
| Puddintown Road | $ 100,000 |
| Emergency Power Supply Generator | $ 150,000 |
| Nittany Mall - Meter Pit | $ 90,000 |
| Limerock Terrace Upgrade | $ 200,000 |
| Portable Valve Exerciser | $ 6,500 |
| Clyde Avenue | $ 55,275 |
| Telog Hydrant Pressure Recorder | $ 2,030 |
| Third Well | $ 2,000,000 |
| Radio Read Water Meters | $ 700,000 |
| | $ 3,303,805 |

NOTE:
(1) Projected balance in Construction Fund at 1/1/2011 - **$1,100,000**
(2) Projected balance in BR&IF at 1/1/2011 - **$750,000**

## 2011 WATER SYSTEM UPGRADE PROJECTS

### FAIRLAWN AVENUE - $11,605

Disconnect and abandon in place the ¾" service lines at 116, 126 and 134 Fairlawn Avenue currently connected to the back lot 6" AC main line that runs from Oak Lane to the Houserville School property. Connect new service lines at these properties to the existing 4" AC main line on Fairlawn Avenue.

### PENN STATE INTERCONNECT - $14,000

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.

### HILLVIEW AVENUE - $7,410

Disconnect the ¾" service lines at 131, 137, 143 and 149 Hillview Avenue currently connected to a 2" PVC line. Connect new service lines to the existing 4" AC main line on Hillview Avenue. Abandon in place the 2" PVC pipe.

### MURPHY LANE/ORCHARD ROAD - $8,044

Disconnect the ¾" service lines at 119, 127 and 135 Murphy Lane and 207 Orchard currently connected to a 1" galvanized line. Connect new service lines to the existing 8" ductile iron main line on Orchard Road. Abandon in place the 1" galvanized line.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**E. COLLEGE AVE. FIRE HYDRANT - $7,775**

Installation of a new fire hydrant at the intersection of E. College Avenue and Squirrel Drive on the East side of College Avenue. This fire hydrant will be connected to the 8" AC main line that crosses College Avenue and runs up Squirrel Drive.

**SCHOLL STREET - $46,331**

Construct approximately 715 lineal feet of 8" ductile iron pipe from Houserville Road connected to the North and South sections of Fairlawn Avenue to complete a main line loop in the distribution system for Spring Creek Estates and to improve the fire flow capacity at the fire hydrant on the South section of Fairlawn Avenue and at the fire hydrant at the Houserville Elementary School. When this section of main line is completed, the 6" main line from Oak Lane crossing the school property to the fire hydrant at the school will be abandoned.

**LESTER STREET/THORNTON ROAD - $20,206**

Replace existing 2" steel line with 2" CTS plastic pipe. Re-new and connect 6 service lines. These properties are currently served by a section of 4" line reduced to a 2" line that is connected to the 8" main line on Limerock Terrace. The proposed new line will be connected to the 8" PVC main line on Pike Street. The 4" line and 2" line will be abandon in place.

**E. BRANCH ROAD WATER MAIN - $100,000**

Construct approximately 2,000 LF of 8" ductile iron water main along E. Branch Road from Goldfinch Drive to Hunter Avenue and install one new fire hydrant to improve fire flow in this area of the system. A section of this area is currently served by a 4" main line to an existing fire hydrant.

**OAK HALL WATER WELL; PRELIMINARY INVESTIGATION - $200,000**

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. Thus funding identified here will facilitate various hydrogeological and engineering studies that are required to site a new supply well in the Oak Hall area.

## 2011 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 stilling basin and a drainage channel project 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.

**DALE STREET RESERVOIR / SPRING CREEK PARK WELL IMPROVEMENTS - $350,000**

Prior to undertaking the Date Street Reservoir improvements, upgrades to existing SCP Well Facilities, including but not limited to VFD installation, SCADA improvements, etc., will be required. A portion of funds budgeted will be expended in this endeavor. 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.

**RE-CALIBRATION OF SPRING CREEK PARK WELL AND ROGERS WELL STATION FLOW METERS - $3,000**

Factory re-calibration of the raw water and finished water meters at both stations. The units stay in line with only the top plate assembly being required by the factory to have the units re-calibrated. The factory will provide a "blind flange" to replace the operational flange for sending the register assembly back to the factory. Includes a check over, rebuild of the register assembly and shipping cost.

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

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.

## CAPITAL ASSET PURCHASES

**CROSS CONNECTION CONTROL/BACKFLOW PREVENTION PROGRAM - $7,150**

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 2011 will continue with the three meter reading routes with the highest elevations. An additional 55 residential meters @ $130 will be purchased for the expected change out of old meters found during the inspections.

**PURCHASE 55 RESIDENTIAL METERS - $7,150**

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 SENSUS TOUCH READ HANDHELD METER READING DEVICE - $5,320**

While the current unit purchased in 2001 is still working, we have been notified by LB Water Service, Inc., that our model Sensus meter reading device has been discontinued and therefore repair parts are no longer available. The new touch read unit can also be retrofitted with additional equipment for radio read capability at any time in the future at an additional cost of $1,514. The purchase price for the new unit includes software upgrade and training.

**REPLACE 2001 STIHL MULTI PURPOSE SAW - $1,145**

This saw is used with various blades for cutting pipe and pavement during project, repair and maintenance work.

**REPLACE 1993 5000 WATT GENERATOR - $1,500**

The generator is used at work sites to operate power hand tools.

## FUTURE PROJECTS

**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.

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

Purchase a stand by generator for the Rogers Well pump station.

**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.

**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.

# CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**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.

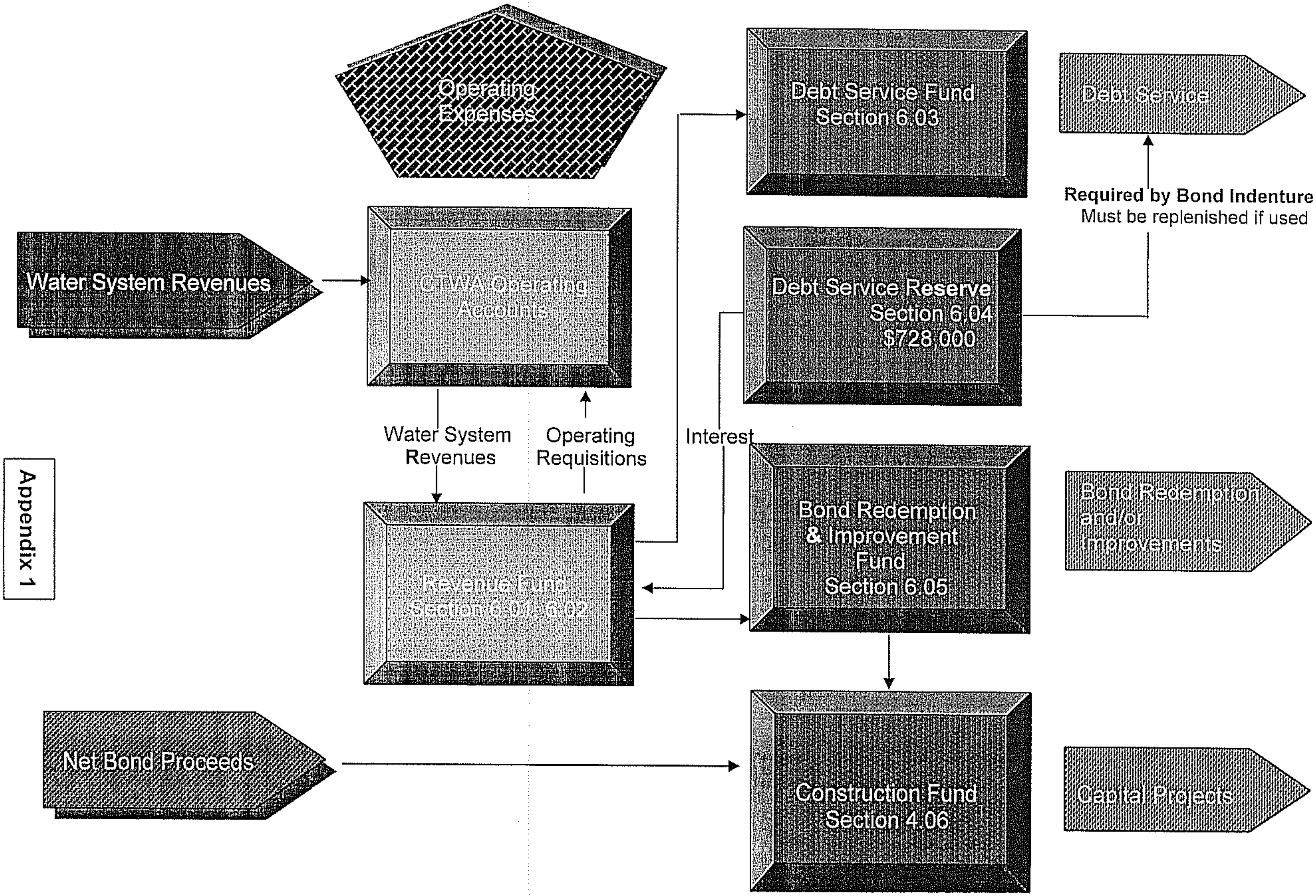
**THIRD WELL - $2,000,000**

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

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

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

# 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<br>Debt Service | Annual<br>Debt Service |
| 1/1/2011 | | | | | | 26,356.04 | 26,356.04 | 26,356.04 |
| 7/1/2011 | | | | | | 158,136.25 | 158,136.25 | |
| 1/1/2012 | 410,000 | 1.000 | 1.000 | 1.00000 | 410,000.00 | 158,136.25 | 568,136.25 | 726,272.50 |
| 7/1/2012 | | | | | | 156,086.25 | 156,086.25 | |
| 1/1/2013 | 415,000 | 2.000 | 1.150 | 1.01744 | 422,237.60 | 156,086.25 | 571,086.25 | 727,172.50 |
| 7/1/2013 | | | | | | 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 | 723,872.50 |
| 7/1/2014 | | | | | | 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 | 725,472.50 |
| 7/1/2015 | | | | | | 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 | 722,572.50 |
| 7/1/2016 | | | | | | 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 | 723,772.50 |
| 7/1/2017 | | | | | | 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 | 723,197.50 |
| 7/1/2018 | | | | | | 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 | 726,237.50 |
| 7/1/2019 | | | | | | 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 | 722,462.50 |
| 7/1/2020 | | | | | | 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 | 727,427.50 |
| 7/1/2021 | | | | | | 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 | 725,762.50 |
| 7/1/2022 | | | | | | 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 | 723,082.50 |
| 7/1/2023 | | | | | | 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 | 724,090.00 |
| 7/1/2024 | | | | | | 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 | 723,832.50 |
| 7/1/2025 | | | | | | 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 | 727,270.00 |
| 7/1/2026 | | | | | | 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 | 724,470.00 |
| 7/1/2027 | | | | | | 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 | 725,600.00 |
| 7/1/2028 | | | | | | 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 | 724,800.00 |
| 7/1/2029 | | | | | | 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 | 728,000.00 |
| 7/1/2030 | | | | | | 0.00 | 0.00 | |
| Totals | 9,910,000 | | | | 9,903,540.90 | 3,891,723.54 | 13,801,723.54 | 13,801,723.54 |
| | 9,910,000 | | | | | 3,891,723.54 | 13,801,723.54 | |

| ***Bid Price*** | |
|---|---|
| Bonds | 9,910,000.00 |
| OID | 6,459.10 |
| Discount | 142,359.13 |
| P. Price | 9,761,181.77 |

| | |
|---|---|
| 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 2011 Budget
Existing Equipment Replacement Fund Projection

| PURCHASE YEAR | DISCRIPTION OF EQUIPMENT | PURCHASE PRICE | EXPECTED LIFE | YEAR TO REPLACE | REPLACEMENT PRICE | ANNUAL REVENUE NEEDED |
|---|---|---|---|---|---|---|
| ***MAINTENANCE VEHICLES:*** | | | | | | |
| 2001 | 2001 FORD F350 UTILITY BODY #31 | $28,400 | 12 | 2013 | $35,000 | $2,917 |
| 2002 | 2002 GMC VAN #34 | $21,640 | 10 | 2012 | $25,000 | $2,500 |
| 2010 | 2011 FORD F350 Utility Body #61 | $37,850 | 10 | 2020 | $40,000 | $4,000 |
| | | | | | | |
| | | | | | | |
| | TOTALS: | $87,890 | | | $100,000 | $9,417 |
| ***OFFICE AND STAFF VEHICLES:*** | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | TOTALS: | $0 | | | $0 | $0 |
| ***OFF ROAD EQUIPMENT:*** | | | | | | |
| 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 |
| | | | | | | |
| | | | | | | |
| | TOTALS: | $109,900 | | | $123,000 | $8,200 |

Appendix 3

College Township Water Authority 2011 Budget
Existing Equipment Replacement Fund Projection

| PURCHASE YEAR | DISCRIPTION OF EQUIPMENT | PURCHASE PRICE | EXPECTED LIFE | YEAR TO REPLACE | REPLACEMENT PRICE | ANNUAL REVENUE NEEDED |
|---|---|---|---|---|---|---|
| ***TOOLS & ATTACHMENTS:*** | | | | | | |
| 1936 | MULLER TAPPING MACHINE | $1,000 | 15 | 1951 | $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 | 15 | 2012 | $500 | $33 |
| 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 | STIHL MULTI PURPOSE SAW | $700 | 10 | 2011 | $850 | $85 |
| 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 #102144 | $2,590 | 20 | 2028 | $3,000 | $150 |
| 2009 | SALA LIFT II 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 |
| | | | | | | |
| | TOTALS: | $34,090 | | | $40,150 | $2,267 |
| ***LAWN & GROUNDS TOOLS:*** | | | | | | |
| 2010 | CRAFTSMAN LAWN MOWER | $200 | 8 | 2018 | $300 | $38 |
| | | | | | | |
| | | | | | | |
| | TOTALS: | $200 | | | $300 | $38 |
| | GRAND TOTALS: | $183,380 | | | $213,450 | $17,195 |

Year To Replace = Purchase Year + Expected Life

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

Appendix 3

# College Township Water Authority
# Water System Revenue and Rate History

| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|---|---|---|---|---|---|---|
| WATER SYSTEM REVENUE | | | | | | |
| Metered Water Sales | | | | | | |
| SCI-Rockview Penitentiary | $ 172,921 | $ 87,444 | $ 182,204 | $ 235,330 | $ 103,272 | |
| UAJA-Beneficial Reuse | - | - | - | 57,627 | 44,001 | |
| All Other | | | | | | |
| Residential | 576,728 | 601,415 | 633,429 | 638,160 | 632,052 | |
| Commercial | 212,112 | 226,592 | 250,285 | 223,313 | 243,537 | |
| Industrial | 118,516 | 143,198 | 161,914 | 92,555 | 71,793 | |
| Other Public | 34,199 | 9,441 | 12,999 | 12,296 | 10,005 | |
| | 1,114,476 | 1,068,090 | 1,240,831 | 1,259,281 | 1,104,660 | |
| Other Water System Revenues | | | | | | |
| Fire Services | 186,098 | 195,253 | 203,329 | 207,991 | 210,906 | |
| Other | | | | | | |
| Penalties | 9,829 | 10,180 | 11,454 | 11,416 | 14,115 | |
| Connection Fees | 75,305 | 25,947 | 13,003 | 35,756 | 11,943 | |
| Capital Recovery (Rockview) | 151,277 | 157,356 | 163,678 | 170,255 | - | |
| Other | 2,309 | 5,437 | 13,782 | 9,160 | 406,138 | |
| | 238,720 | 198,920 | 201,917 | 226,587 | 432,196 | |
| TOTAL WATER SYSTEM REVENUE | $ 1,353,196 | $ 1,267,010 | $ 1,442,748 | $ 1,485,868 | $ 1,536,856 | |
| RATE HISTORY (Per Thousand Gallons) | | | | | | |
| Rockview | $1.74 | $1.74 | $1.74 | $1.74 | $2.32 | $2.50 |
| Beneficial Reuse | n/a | n/a | n/a | n/a | n/a | $5.03 |
| Regular | $4.25 | $4.25 | $4.25 | $4.95 | $5.20 | $5.60 |

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

| | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|
| Gallons Produced | 430,824,000 | 349,602,560 | 475,009,918 | 445,776,000 | 329,704,000 |
| Gallons billed | | | | | |
| SCI-Rockview Penitentiary | 104,859,500 | 50,000,000 | 104,715,000 | 135,247,000 | 50,000,000 |
| UAJA-Beneficial Reuse | - | - | - | 12,950,000 | 9,483,000 |
| All Other | 107,209,144 | 164,165,329 | 112,364,174 | 39,244,561 | 125,590,445 |
| | 212,068,644 | 214,165,329 | 217,079,174 | 187,441,561 | 185,073,445 |
| Unaccounted Gallons | 16.8% | 23.3% | 18.1% | 15.9% | 26.7% |

APPENDIX 5

# College Township Water Authority
## Other Key Statistics

| | 2005 | 2006 | 2007 | 2008 | 2009 |
|---|---|---|---|---|---|
| Connections Served | | | | | |
| Domestic | 2,271 | 2,352 | 2,358 | 2,378 | 2,361 |
| Commercial | 307 | 308 | 309 | 313 | 316 |
| Industrial | 17 | 17 | 17 | 18 | 18 |
| Institutional | 13 | 13 | 13 | 13 | 13 |
| Bulk Sales to other PWS | 1 | 1 | 1 | 1 | 2 |
| Other | - | - | - | - | - |
| | 2,609 | 2,691 | 2,698 | 2,723 | 2,710 |
| Metered Water Use (GPD) | | | | | |
| Domestic | 371,783 | 366,126 | 367,674 | 351,140 | 333,009 |
| Commercial | 136,736 | 137,956 | 145,278 | 123,262 | 128,312 |
| Industrial | 76,400 | 87,183 | 93,983 | 51,087 | 37,826 |
| Institutional | 7,219 | 5,748 | 7,545 | 6,787 | 5,271 |
| Bulk Sales to other PWS | 287,286 | 72,389 | 286,890 | 369,527 | 81,756 |
| Unaccounted | 300,916 | 288,420 | 400,019 | 316,164 | 317,368 |
| Other | - | - | - | - | - |
| | 1,180,340 | 957,822 | 1,301,389 | 1,217,967 | 903,542 |
| % of Population Served | 67.25% | 69.55% | 69.73% | 69.73% | 69.73% |
| Debt Coverage Requirement | | | | | |
| Actual Expenses | $ 584,163 | $ 653,937 | $ 645,278 | $ 670,762 | $ 663,658 |
| Admin and Operating Expense | 612,808 | 612,052 | 611,117 | 791,503 | 795,312 |
| 110% of Deb Service Requirement | 1,196,971 | 1,265,989 | 1,256,395 | 1,462,265 | 1,458,970 |
| Actual Revenue | 1,608,789 | 1,544,696 | 1,718,686 | 1,741,519 | 1,462,387 |
| Excess (Deficit) | $ 411,818 | $ 278,707 | $ 462,291 | $ 279,254 | $ 3,417 |