

# 2023 BUDGET – COLLEGE TOWNSHIP WATER AUTHORITY



# Table of Contents

1. Operating Budget Summary
2. Operating Income
3. Purification and Pumping Expense
4. Distribution System Expense
5. General Expense
6. Non-Operating Income ( Expense )
7. Capital Budget Section
8. Appendix

# Operating Budget Summary

**COLLEGE TOWNSHIP WATER AUTHORITY  
YEAR 2023 OPERATING BUDGET SUMMARY**

**OPERATING BUDGET SUMMARY**

	2015	2016	2017	2018	2019	2020	2021	2022		2023
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>OPERATING INCOME</b>										
Water System Revenues	1,645,614	1,687,234	1,650,852	1,701,274	1,689,745	1,707,256	1,604,872	1,713,703	1,720,430	1,829,425 (a)
<b>OPERATING EXPENSES</b>										
Purification and Pumping	94,439	99,054	120,315	122,243	135,507	130,669	111,270	134,045	101,165	130,145
Distribution System	230,687	269,691	249,636	273,525	253,208	306,509	374,831	325,309	443,299	390,882
General Expense	467,604	444,207	438,163	495,583	543,750	546,103	553,051	550,533	577,489	607,469
<b>TOTAL OPERATING EXPENSES</b>	<u>792,730</u>	<u>812,952</u>	<u>808,114</u>	<u>891,351</u>	<u>932,465</u>	<u>983,281</u>	<u>1,039,152</u>	<u>1,009,887</u>	<u>1,121,953</u>	<u>1,128,496 (b)</u>
<b>OPERATING MARGIN</b>	852,884	874,282	842,738	809,923	757,280	723,975	565,720	703,816	598,477	700,929
<b>NON-OPERATING INCOME (EXPENSE)</b>	8,384	1,857	21,885	22,027	30,850	19,153	4,804	6,000	19,300	24,000 (c)
<b>INCOME BEFORE DEBT SERVICE</b>	<u>861,268</u>	<u>876,139</u>	<u>864,623</u>	<u>831,950</u>	<u>788,130</u>	<u>743,128</u>	<u>570,524</u>	<u>709,816</u>	<u>617,777</u>	<u>724,929</u>
<b>LESS: Debt Service Requirement</b>										622,301 (d)
<b>AVAILABLE FOR CAPITAL, CONTINGENCIES AND RESERVE</b>										<u><u>102,628</u></u>

**CALCULATION OF COMPLIANCE WITH LOAN AGREEMENTS COVERAGE REQUIREMENTS**

---- BUDGETED REVENUES MUST EQUAL OR EXCEED THE TOTAL OF 1) OPERATING EXPENSES AND 2) 110% OF DEBT SERVICE ----

This calculation is required by the Loan Agreements securing the Notes and is referred to as the calculation of required coverage.

Water System Revenues	1,829,425 (a)
Investment Income	<u>24,000 (c)</u>
	<u>1,853,425</u>
Administrative and operating expenses	1,128,496 (b)
Debt Service	622,301 (d)
10% of Debt Service	<u>62,230</u>
	<u><u>1,813,027</u></u>
Excess Coverage	<u><u>40,398</u></u>

Operating Income

OPERATING INCOME

	2015 AUDITED	2016 AUDITED	2017 AUDITED	2018 AUDITED	2019 AUDITED	2020 AUDITED	2021 AUDITED	2022		2023
								BUDGET	EXPECTED	PROPOSED
<b>WATER SYSTEM REVENUES</b>										
<b>METERED WATER REVENUES</b>										
350.110 Metered Water Revenues - Residential	816,931	848,850	795,855	802,614	819,310	912,107	845,366	910,000	873,000	973,875
350.120 Metered Water Revenues - Commercial	325,376	329,873	304,294	311,310	323,348	267,048	253,721	273,000	292,000	306,495
350.130 Metered Water Revenues - Industrial	70,739	79,172	72,643	61,122	72,893	93,187	65,102	84,000	60,000	63,210
350.140 Metered Water Revenues - Other Public	27,615	24,364	16,587	14,562	24,427	23,991	31,834	23,800	39,000	41,160
350.141 Metered Water Revenues - SCI Rockview	18,261	0	0	0	0	0	0	0	0	0
350.142 Metered Water Revenues - UAJA BRW	69,905	69,407	62,827	62,605	63,289	56,087	55,479	59,773	58,420	63,741
<b>Subtotal</b>	<b>1,328,827</b>	<b>1,351,666</b>	<b>1,252,206</b>	<b>1,252,213</b>	<b>1,303,267</b>	<b>1,352,420</b>	<b>1,251,502</b>	<b>1,350,573</b>	<b>1,322,420</b>	<b>1,448,481</b>
<b>FIRE SERVICES</b>										
360.405 Fire Services - CTWA Hydrants	94,579	95,290	96,102	97,116	99,247	101,480	102,393	103,530	103,510	108,707
360.410 Fire Services - Private Hydrants	5,725	6,264	5,280	7,311	5,725	5,911	6,089	6,100	6,100	6,407
360.420 Fire Services - Sprinkler Fire Lines	167,796	168,260	171,110	170,365	172,733	177,337	179,322	184,000	183,900	193,230
<b>Subtotal</b>	<b>268,100</b>	<b>269,814</b>	<b>272,492</b>	<b>274,792</b>	<b>277,706</b>	<b>284,728</b>	<b>287,804</b>	<b>293,630</b>	<b>293,510</b>	<b>308,344</b>
<b>OTHER WATER RELATED REVENUES</b>										
370.300 Penalties	15,285	14,894	14,490	15,454	14,552	16,650	13,405	14,500	14,450	15,100
370.500 Water Main Connection Fees	27,671	46,912	89,696	144,748	77,303	37,518	37,435	40,000	71,000	50,000
370.515 Meter Depreciation Charge	0	0	0	11,298	11,376	11,401	11,446	11,400	11,550	0
370.000 Miscellaneous	5,731	3,948	21,968	2,769	5,542	4,539	3,280	3,600	7,500	7,500
<b>Subtotal</b>	<b>48,687</b>	<b>65,754</b>	<b>126,154</b>	<b>174,269</b>	<b>108,773</b>	<b>70,108</b>	<b>65,566</b>	<b>69,500</b>	<b>104,500</b>	<b>72,600</b>
<b>TOTAL WATER SYSTEM REVENUES</b>	<b>1,645,614</b>	<b>1,687,234</b>	<b>1,650,852</b>	<b>1,701,274</b>	<b>1,689,745</b>	<b>1,707,256</b>	<b>1,604,872</b>	<b>1,713,703</b>	<b>1,720,430</b>	<b>1,829,425</b>

OPERATING INCOME

**METERED WATER REVENUE**

Effective January 1, 2023, water consumption is proposed to be billed to the majority of its customers for each meter at \$7.35 per 1,000 gallons consumed. This rate represents a 5.0% increase over last year's rate of \$7.00.

**UAJA:** The Authority has amended its agreement with UAJA dated November 18, 2009 which provides for reimbursement to the Authority for Beneficial Reuse Water (BRW) supplied by UAJA and used by customers of the Authority. The reimbursement for BRW used by Cintas will continue to be reimbursed at the Authority's customary rate per thousand gallons less the cost of purification. The rate adjusts annually, consistent with CTWA rate structure and purification and pumping costs. The rate for 2023 will be \$6.70 per thousand gallons. Reimbursement for Best Western and Redline Speed Shine will be one-half its customary rate per thousand gallons, to be adjusted annually consistent with the Authority's rate structure. Any current or potential customers of the Authority desiring to use beneficial reuse water may only do so with approval of the Authority and College Township. Furthermore, the Authority will determine the reimbursement from UAJA due for these new customers.

The number and types of customers expected to be served by the Authority during 2023, along with the estimated 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	2,525	132,500,000	\$973,875
Commercial	332	41,700,000	306,495
Industrial	13	8,600,000	63,210
Other Public	<u>14</u>	<u>5,600,000</u>	<u>41,160</u>
	<b>2,884</b>	<b>188,400,000</b>	<b>\$ 1,384,740</b>
UAJA – Beneficial Reuse			
Cintas	1	6,250,000	\$41,875
Redline Speedshine	1	5,500,000	20,215

OPERATING INCOME

Best Western Motel	<u>1</u>		450,000		1,651
	<u>3</u>		<u>12,200,000</u>		<u>\$63,741</u>
<b>TOTAL</b>	<u><b>2,887</b></u>		<u><b>200,600,000</b></u>		<u><b>\$ 1,448,481</b></u>

**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 2023:

<u>HYDRANTS</u>	<u>NUMBER</u>	<u>ANNUAL CHARGE</u>	<u>REVENUE</u>
Hydrants – Authority owned and maintained	255	\$ 426	<u>\$108,707</u>
Hydrants – Privately owned and maintained	18	\$ 356	<u>\$ 6,407</u>
 <b><u>STANDBY FIRE LINES</u></b>			
Sprinkler – 4” fire service	24	\$ 1,558	\$37,396
Sprinkler – 6” fire service	24	\$ 3,116	74,794
Sprinkler – 8” fire service	<u>13</u>	\$ 6,234	<u>81,040</u>
	61		<u>\$193,230</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 INCOME

**WATER METER DEPRECIATION CHARGE**

**2018 – 2022:**

Replacement of water meters, which have a useful life of approximately 10 years, requires a significant ongoing expense of the Authority. This fee that is charged across the customer base is intended to provide the Authority with the capital needed to fund this ongoing expense. The fee is \$1.00 per meter per quarter, excluding fire line meters.

**2023:**

This charge has been abolished.

**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 Expense

**PURIFICATION AND PUMPING EXPENSES**

	2015 AUDITED	2016 AUDITED	2017 AUDITED	2018 AUDITED	2019 AUDITED	2020 AUDITED	2021 AUDITED	2022		2023
								BUDGET	EXPECTED	PROPOSED
<b><u>PURIFICATION EXPENSE</u></b>										
405.202 Chemical Purchases	20,594	18,469	26,667	27,816	33,276	24,031	26,499	29,500	25,000	28,500
405.204 Water Analysis	8,758	7,964	13,311	12,538	14,324	18,029	9,315	18,000	10,000	14,000
405.206 Structure Maintenance - Mt Nittany Contact T:	0	0	0	0	0	0	0	0	0	0
<b>TOTAL PURIFICATION</b>	<b>29,352</b>	<b>26,433</b>	<b>39,978</b>	<b>40,354</b>	<b>47,600</b>	<b>42,060</b>	<b>35,814</b>	<b>47,500</b>	<b>35,000</b>	<b>42,500</b>
<b><u>PUMPING EXPENSE</u></b>										
<b>PUDDINTOWN STATION</b>										
410.311 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0	0
410.312 Power Purchased	0	74	99	104	105	119	101	120	105	120
410.313 Equipment Maintenance	0	0	0	0	0	0	0	0	0	0
410.314 Structure Maintenance	204	705	0	13	176	0	14	1,000	0	500
<b>Subtotal</b>	<b>204</b>	<b>779</b>	<b>99</b>	<b>117</b>	<b>281</b>	<b>119</b>	<b>115</b>	<b>1,120</b>	<b>105</b>	<b>620</b>
<b>MATILDA BOOSTER STATION</b>										
415.321 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0	0
415.322 Power Purchased	1,667	1,655	1,732	2,111	1,828	2,358	2,237	2,500	2,050	2,250
415.323 Equipment Maintenance	0	0	228	62	0	812	295	500	0	300
415.324 Structure Maintenance	0	0	244	0	0	0	0	100	0	100
<b>Subtotal</b>	<b>1,667</b>	<b>1,655</b>	<b>2,204</b>	<b>2,173</b>	<b>1,828</b>	<b>3,170</b>	<b>2,532</b>	<b>3,100</b>	<b>2,050</b>	<b>2,650</b>
<b>LEMONT BOOSTER STATION</b>										
420.331 Operating Supplies and Expense	0	0	0	0	0	59	135	150	0	100
420.332 Power Purchased	2,097	2,903	2,197	3,493	6,275	2,882	2,805	3,500	3,500	3,850
420.333 Equipment Maintenance	0	0	0	1,629	25	941	569	500	100	500
420.334 Structure Maintenance	622	193	2,898	2,457	1,522	0	0	2,000	1,000	1,750
<b>Subtotal</b>	<b>2,719</b>	<b>3,096</b>	<b>5,095</b>	<b>7,579</b>	<b>7,822</b>	<b>3,882</b>	<b>3,509</b>	<b>6,150</b>	<b>4,600</b>	<b>6,200</b>
<b>SPRING CREEK PARK WELL</b>										
425.361 Operating Supplies and Expense	0	0	0	63	0	255	486	600	250	300
425.362 Power Purchased	23,934	25,175	22,510	25,032	32,242	25,175	23,609	30,000	20,000	30,000
425.363 Equipment Maintenance	2,014	3,768	8,407	1,265	1,361	10,314	6,006	4,000	3,250	4,500
425.364 Structure Maintenance	208	728	212	1,576	237	7,641	249	1,000	500	1,000
425.365 Well Monitoring Costs	0	0	0	0	0	0	0	0	0	0
425.367 Easement Costs	5,610	5,610	5,610	5,610	5,610	5,610	5,610	6,100	5,610	6,100
<b>Subtotal</b>	<b>31,766</b>	<b>35,281</b>	<b>36,739</b>	<b>33,546</b>	<b>39,449</b>	<b>48,995</b>	<b>35,960</b>	<b>41,700</b>	<b>29,610</b>	<b>41,900</b>

PURIFICATION AND PUMPING EXPENSES

	2015 AUDITED	2016 AUDITED	2017 AUDITED	2018 AUDITED	2019 AUDITED	2020 AUDITED	2021 AUDITED	2022		2023
								BUDGET	EXPECTED	PROPOSED
<b>ROGERS WELL</b>										
430.371 Operating Supplies and Expense	0	0	0	0	17	0	11	100	600	150
430.372 Power Purchased	24,561	25,211	29,245	30,015	23,334	26,808	27,939	29,000	25,100	29,000
430.373 Equipment Maintenance	3,350	5,009	3,838	1,211	121	3,630	3,714	2,500	2,250	2,500
430.374 Structure Maintenance	0	539	1,694	0	0	160	23	600	100	400
430.375 Well Monitoring Costs	0	0	146	6,200	12,779	769	839	800	750	800
<b>Subtotal</b>	<b>27,911</b>	<b>30,759</b>	<b>34,923</b>	<b>37,426</b>	<b>36,251</b>	<b>31,367</b>	<b>32,526</b>	<b>33,000</b>	<b>28,800</b>	<b>32,850</b>
<b>OAK HALL WELL</b>										
435.391 Operating Supplies and Expense	281	16	21	11	1,087	2	219	275	175	275
435.392 Power Purchased	539	334	560	681	710	699	585	700	675	750
435.393 Equipment Maintenance	0	625	522	338	412	236	0	300	100	2,300
435.394 Structure Maintenance	0	76	174	18	47	0	0	0	0	0
435.395 Well Monitoring Costs	0	0	0	0	18	7	0	0	0	0
<b>Subtotal</b>	<b>820</b>	<b>1,051</b>	<b>1,277</b>	<b>1,048</b>	<b>2,275</b>	<b>944</b>	<b>804</b>	<b>1,275</b>	<b>950</b>	<b>3,325</b>
<b>INTERCONNECTIONS - SCBWA ,PSU, and BELLEFONTE</b>										
440.386 Purchased Water	0	0	0	0	0	0	10	100	50	100
440.388 Interconnection Maintenance	0	0	0	0	0	132	0	100	0	0
<b>Subtotal</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>132</b>	<b>10</b>	<b>200</b>	<b>50</b>	<b>100</b>
<b>TOTAL PUMPING</b>	<b>65,087</b>	<b>72,621</b>	<b>80,337</b>	<b>81,889</b>	<b>87,907</b>	<b>88,609</b>	<b>75,456</b>	<b>86,545</b>	<b>66,165</b>	<b>87,645</b>
<b>TOTAL PURIFICATION AND PUMPING</b>	<b>94,439</b>	<b>99,054</b>	<b>120,315</b>	<b>122,243</b>	<b>135,507</b>	<b>130,669</b>	<b>111,270</b>	<b>134,045</b>	<b>101,165</b>	<b>130,145</b>

## PURIFICATION AND PUMPING EXPENSES

### PURIFICATION

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

#### 405.202      CHEMICAL PURCHASES

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

#### 405.204      WATER ANALYSIS

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

#### 405.206      STRUCTURE MAINTENANCE

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

### PUMPING

#### PUDDINTOWN STATION

**Note:** At this time, Puddintown Station is not operational.

#### 410.311      OPERATING SUPPLIES AND EXPENSE

## PURIFICATION AND PUMPING EXPENSES

At this time, the Puddintown station is not operational.

### **410.312 POWER PURCHASED**

This account covers the cost of electricity.

### **410.313 EQUIPMENT MAINTENANCE**

At this time, the Puddintown station is not operational.

### **410.314 STRUCTURE MAINTENANCE**

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

## **MATILDA BOOSTER STATION**

### **415.321 OPERATING SUPPLIES AND EXPENSE**

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

### **415.322 POWER PURCHASED**

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

PURIFICATION AND PUMPING EXPENSES

**415.323 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, meters, and other equipment located at the facility. SCADA system components are considered to be equipment.

**415.324 STRUCTURE MAINTENANCE**

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

**LEMONT BOOSTER STATION**

**420.331 OPERATING SUPPLIES AND EXPENSE**

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

**420.332 POWER PURCHASED**

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

**420.333 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, meters, and other equipment located at the facility. SCADA system components are considered to be equipment.

**420.334 STRUCTURE MAINTENANCE**

PURIFICATION AND PUMPING EXPENSES

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

WATER SOURCE: SPRING CREEK PARK WELL

**425.361 OPERATING SUPPLIES AND EXPENSE**

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

**425.362 POWER PURCHASED**

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

**425.363 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, a turbidimeter, chlorine residual analyzer, chlorine feeds, and meters. SCADA system components are considered to be equipment.

**425.364 STRUCTURE MAINTENANCE**

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

**425.365 WELL MONITORING COST**

## PURIFICATION AND PUMPING EXPENSES

This account consists primarily of costs incurred in conducting monitoring as required by DEP. The services of a hydrogeologist used for various purposes from time to time are charged to A/C #488.850 under the General Expenses category.

### **425.367 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. The fee adjusted in 2009 and adjusts every fifth year thereafter.

### **WATER SOURCE: ROGERS WELL**

### **430.371 OPERATING SUPPLIES AND EXPENSE**

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

### **430.372 POWER PURCHASED**

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

### **430.373 EQUIPMENT MAINTENANCE**

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

### **430.374 STRUCTURE MAINTENANCE**

PURIFICATION AND PUMPING EXPENSES

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

**430.375 WELL MONITORING COST**

This account consists primarily of costs incurred in conducting monitoring as required by DEP. The services of a hydrogeologist used for various purposes from time to time are charged to A/C #488.850 under the General Expenses category.

**WATER SOURCE: OAK HALL WELL (OH-19)**

**435.391 OPERATING SUPPLIES AND EXPENSE**

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

**435.392 POWER PURCHASED**

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

**435.393 EQUIPMENT MAINTENANCE**

This account covers costs incurred in maintaining pumps, chlorine residual analyzer, chlorine feeds, and meters. One of the three (3) 90 gallon bladder tanks has failed. Cost to replace it \$2,000 is included for 2023.

PURIFICATION AND PUMPING EXPENSES

**435.394      STRUCTURE MAINTENANCE**

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

**435.395      WELL MONITORING COST**

This account consists primarily of costs incurred in conducting monitoring as required by DEP. The services of a hydrogeologist used for various purposes from time to time are charged to A/C #488.850 under the General Expenses category.

**INTERCONNECTIONS – SCBWA AND PSU**

**440. 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.

**440. 388      INTERCONNECTION MAINTENANCE**

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

# Distribution System Expense

DISTRIBUTION SYSTEM EXPENSES

	2015 AUDITED	2016 AUDITED	2017 AUDITED	2018 AUDITED	2019 AUDITED	2020 AUDITED	2021 AUDITED	2022		2023
								BUDGET	EXPECTED	PROPOSED
<b>STORAGE-DALE ST RESERVOIR</b>										
455.341 Operating Supplies and Expense	0	0	0	0	0	0	30	0	0	0
455.342 Power Purchased	161	170	182	183	186	179	143	200	170	225
455.343 Equipment Maintenance	0	0	26	0	927	130	56	200	200	200
455.344 Structure Maintenance	8	0	12	0	45	0	0	200	0	0
<b>Subtotal</b>	<b>169</b>	<b>170</b>	<b>220</b>	<b>183</b>	<b>1,159</b>	<b>309</b>	<b>229</b>	<b>600</b>	<b>370</b>	<b>425</b>
<b>STORAGE-STRUBLE RD TANK</b>										
456.351 Operating Supplies and Expense	0	0	0	0	0	0	0	0	0	0
456.352 Power Purchased	231	257	322	260	274	272	219	300	220	275
456.353 Equipment Maintenance	68	0	0	101	0	0	0	100	50	100
456.354 Structure Maintenance	0	0	19	62	909	943	0	300	0	0
<b>Subtotal</b>	<b>299</b>	<b>257</b>	<b>341</b>	<b>423</b>	<b>1,183</b>	<b>1,215</b>	<b>219</b>	<b>700</b>	<b>270</b>	<b>375</b>
<b>MAINTENANCE-DISTRIBUTION SYSTEM</b>										
460.475 Maintenance of Distribution / Trans Mains	18,323	56,404	17,317	20,339	10,305	12,909	39,420	20,000	70,000	25,000
460.490 Maintenance of Service Lines	12,835	8,249	17,825	11,464	7,964	26,218	7,035	8,250	15,500	14,500
460.495 Dumping Fees	1,079	998	2,951	2,520	1,743	354	1,270	1,500	1,350	1,500
460.510 Maintenance of Hydrants	39	3,190	1,091	4,182	2,738	497	1,040	750	6,500	2,000
460.530 Meter Supplies and Maintenance	2,571	3,125	628	4,213	4,713	4,770	7,755	5,250	25,000	5,250
460.532 PRV - Penn Hills	2	2,013	0	0	0	0	1,019	250	0	250
460.534 PRV - Independence Place	1,059	7,263	0	0	0	0	2	250	200	250
460.536 PRV - Oak Hall	72	2,775	0	0	0	0	1,861	250	200	250
460.537 PRV - Rockview North	738	10	9	0	0	0	0	250	0	250
460.538 PRV - Rockview South	147	0	0	0	0	0	0	250	0	250
460.539 PRV - Bellefonte Interconnect	0	0	0	0	0	0	0	250	0	250
460.541 PRV - Nittany Commons	0	0	0	0	0	0	0	0	0	0
<b>Subtotal</b>	<b>36,865</b>	<b>84,027</b>	<b>39,821</b>	<b>42,718</b>	<b>27,463</b>	<b>44,748</b>	<b>60,252</b>	<b>37,250</b>	<b>118,750</b>	<b>49,750</b>
<b>GENERAL-DISTRIBUTION SYSTEM</b>										
465.181 Contract Labor - College Twp Personnel	25,767	34,572	30,991	40,934	30,923	32,933	60,583	40,000	65,000	55,000
465.540 Contract Labor - Technicians	143,397	136,088	158,679	168,888	157,950	190,584	208,536	200,000	221,000	232,000
465.556 Leak Detection Services	0	0	0	0	0	0	0	500	0	500
465.575 R-O-W, Regulatory Compliance	1,418	1,412	1,370	1,206	11,934	15,786	10,285	15,250	11,250	15,250
465.648 Pa One Call Service	594	806	904	772	872	385	1,015	750	650	750
465.760 Small Tools and Minor Equipment	2,036	2,357	2,090	1,128	4,777	7,800	12,849	5,000	1,250	5,000
465.761 Repairs and Maintenance-Water Equip	20,142	10,002	15,220	17,273	16,947	12,628	20,863	24,759	24,759	31,582
465.762 Safety Equipment	0	0	0	0	0	121	0	500	0	250
<b>Subtotal</b>	<b>193,354</b>	<b>185,237</b>	<b>209,254</b>	<b>230,201</b>	<b>223,404</b>	<b>260,237</b>	<b>314,131</b>	<b>286,759</b>	<b>323,909</b>	<b>340,332</b>
<b>TOTAL DISTRIBUTION SYSTEM</b>	<b>230,687</b>	<b>269,691</b>	<b>249,636</b>	<b>273,525</b>	<b>253,208</b>	<b>306,509</b>	<b>374,831</b>	<b>325,309</b>	<b>443,299</b>	<b>390,882</b>

**DISTRIBUTION SYSTEM EXPENSES**

**STORAGE – DALE STREET RESERVOIR**

**455.341      OPERATING SUPPLIES AND EXPENSE**

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

**455.342      POWER PURCHASED**

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

**455.343      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.

**455.344      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**

**456.351      OPERATING SUPPLIES AND EXPENSE**

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

## DISTRIBUTION SYSTEM EXPENSES

### 456.352 POWER PURCHASED

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

### 456.353 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.

### 456.354 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

### 460.475 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

### **460.490 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.

### **460.495 DUMPING FEES**

Excavated waste material from project and maintenance work is hauled to the CMJ Trucking & Construction fill site along Shiloh Road. The current dumping fee is \$35.00 per truck load. It is estimated for 2023 that 14 truckloads of waste material will be hauled to the site for a total cost of \$500. An additional \$1,000 is added for the rental of trucks to haul material to the Shiloh site from the temporary dumpsite at the Mt. Nittany Road shale pit area.

### **460.510 MAINTENANCE OF HYDRANTS**

This item covers the cost incurred in maintaining, including painting fire hydrants.

### **460.530 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.

### **460.532 PRV – PENN HILLS**

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

**DISTRIBUTION SYSTEM EXPENSES**

**460.534 PRV – INDEPENDENCE PLACE**

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

**460.536 PRV – OAK HALL**

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

**460.537 PRV - ROCKVIEW**

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

**460.541 PRV – NITTANY COMMONS**

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

**GENERAL – DISTRIBUTION SYSTEM**

**465.181 CONTRACT LABOR – COLLEGE TOWNSHIP PERSONNEL**

This line item covers the labor charges incurred when College Township personnel are needed for various projects or to assist with system maintenance. Labor cost associated with capital projects is added to the cost of the project.

**465.540 CONTRACT LABOR – TECHNICIANS**

## DISTRIBUTION SYSTEM EXPENSES

This line item covers the cost of labor charges, including scheduled overtime, for four full-time service technicians. Whenever technicians perform services for College Township, leaf collection for example, their time is charged to the Township. Labor cost associated with capital projects is added to the cost of the project.

### **465.556 LEAK DETECTION SERVICES**

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

### **465.575 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, and CDL license expenses. Included in the budget amount is a Safe Water Drinking Fee (SDW) in the amount of \$10,000. This annual fee is assessed by the PA DEP and is based on population served.

### **465.648 PA ONE CALL SERVICE**

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

### **465.760 SMALL TOOLS AND MINOR EQUIPMENT**

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

### **465.761 REPAIRS AND MAINTENANCE – WATER EQUIPMENT**

## DISTRIBUTION SYSTEM EXPENSES

This line item covers the cost of maintaining specialized water system equipment such as the SCADA System, Chlorine Analyzers, Turbidimeters and gas chlorination equipment. For 2023, the following costs are anticipated:

### **Hach Company Service Agreement - \$6,841**

This agreement will provide four on-site preventive maintenance visits per year, once each quarter, to service the chlorine analyzers and the turbidimeters at the Spring Creek Park Station and Rogers Well. 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 - \$5,760**

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. \$2,000 has been included for any unexpected repairs.

<b>Tri-Star Agreement</b>	<b>\$3,760</b>
<b>Repairs/Parts</b>	<b><u>\$2,000</u></b>
	<b>\$5,760</b>

### **WIN-911 V7 – Alarm Notification - \$5,000**

WIN-911 V7 is currently used in conjunction with Tri-Star. The current software is being discontinued and it is necessary to upgrade to the newest version.

**DISTRIBUTION SYSTEM EXPENSES**

**De Nora Service and Maintenance Plan - \$8,481**

De Nora Water Technologies, LLC has previously provided annual inspection and preventative maintenance on the Chlorination System. Each year, services include inspection and general maintenance as well as an estimate for replacement parts.

<b>De Nora Service and Maintenance Plan</b>	<b>\$6,981</b>
<b>Repairs/Parts</b>	<b><u>\$1,500</u></b>
	<b>\$8,481</b>

**Breons Generator Maintenance Plan - \$1,500**

This service and maintenance plan provides one visit per calendar year to perform inspections and preventative maintenance on the trailer mounted standby generator and the Lemont Booster Station standby generator.

**Pryze Chemical Feed Pump Service - \$4,000**

This agreement covers the maintenance of the chemical feed pumps at Spring Creek Well, Rogers Well, and Oak Hall Well.

**465.762 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.

# General Expense

**GENERAL EXPENSES**

	2015 AUDITED	2016 AUDITED	2017 AUDITED	2018 AUDITED	2019 AUDITED	2020 AUDITED	2021 AUDITED	2022		2023
								BUDGET	EXPECTED	PROPOSED
<b>OFFICE</b>										
482.600 Contract Labor - Billing and Cust Serv	54,168	55,600	57,875	60,270	62,894	67,930	65,969	68,000	69,000	73,000
482.605 Contract Labor - College Twp Personnel	14,139	11,544	14,205	16,378	15,881	11,983	10,360	12,000	9,500	10,000
482.610 Contract Labor - Meter Reading	4,694	2,376	2,599	2,308	2,487	0	0	0	0	0
482.612 Professional Employment Services	0	0	8	0	0	0	0	0	0	0
482.620 Office and Other Supplies	2,810	1,498	2,321	1,829	1,661	2,273	1,896	2,250	2,100	2,250
482.621 Computer and Software Maintenance	6,471	4,888	4,775	0	149	6,069	660	0	0	0
482.625 Postage and Freight Charges	5,441	5,492	5,123	5,936	5,372	5,657	6,605	6,500	6,875	6,875
482.641 Advertising	1,013	372	1,222	227	1,923	1,691	438	1,500	600	1,100
482.643 IT Services/Support/Software	2,641	2,330	2,960	9,075	4,454	2,641	3,597	8,750	7,700	12,300
482.645 Telephone	1,885	937	812	1,027	1,048	972	1,083	1,100	1,000	1,100
482.647 Cellular Phone	575	610	692	588	513	728	926	650	745	775
482.655 Uncollectible Accounts	3,478	-1,145	-252	-1,087	834	1,734	-369	0	0	0
<b>Subtotal</b>	<b>97,315</b>	<b>84,502</b>	<b>92,340</b>	<b>96,551</b>	<b>97,217</b>	<b>101,678</b>	<b>91,165</b>	<b>100,750</b>	<b>97,520</b>	<b>107,400</b>
<b>GENERAL PROPERTY</b>										
485.702 Vehicle Repairs and Maintenance	3,300	1,479	1,129	8,268	3,732	4,819	4,162	4,000	3,200	4,000
485.731 Vehicle Fuels: Gas, Diesel, Oil, Etc	6,761	5,370	5,199	6,627	7,255	5,457	6,867	7,750	15,500	15,500
485.735 Repairs of Tools and Machinery	416	732	2,760	657	1,147	1,024	801	1,000	1,350	1,300
485.740 Materials and Supplies	945	1,588	305	2,487	8,473	6,116	7,683	6,000	15,000	7,500
485.765 Radio/Paging Equipment and Maint	152	0	0	68	0	0	0	0	0	0
485.770 Rental of Equipment	8,490	3,349	4,165	4,903	6,615	5,460	12,360	7,500	16,225	11,000
<b>Subtotal</b>	<b>20,064</b>	<b>12,518</b>	<b>13,558</b>	<b>23,010</b>	<b>27,222</b>	<b>22,876</b>	<b>31,873</b>	<b>26,250</b>	<b>51,275</b>	<b>39,300</b>
<b>ENGINEERING AND PROFESSIONAL</b>										
488.810 Engineering - Consulting	32,616	48,009	31,138	49,875	34,974	58,718	55,106	40,000	46,500	46,500
488.818 Engineering - Inspection	0	0	0	0	0	0	0	0	0	0
488.840 Accounting and Audit	16,000	13,450	14,545	12,250	15,900	16,330	12,250	16,000	12,250	16,750
488.845 Legal	7,261	5,899	6,933	5,369	4,478	4,797	10,494	7,000	9,000	7,350
488.850 Professional - Other	1,914	3,482	4,117	9,114	14,989	285	4,350	6,000	750	1,000
<b>Subtotal</b>	<b>57,791</b>	<b>70,840</b>	<b>56,733</b>	<b>76,608</b>	<b>70,341</b>	<b>80,130</b>	<b>82,200</b>	<b>69,000</b>	<b>68,500</b>	<b>71,600</b>
<b>TAXES, BENEFITS, AND INSURANCE</b>										
491.615 Training - Distribution and Office	1,725	1,275	1,125	1,020	547	0	315	600	360	600
491.618 Conventions	0	0	0	0	675	1,980	80	2,100	0	2,100
491.738 Clothing and Uniforms	2,434	2,628	1,710	1,962	2,053	1,614	1,214	1,750	1,700	1,750
491.802 Dues, Subscriptions, and Memberships	2,499	2,705	2,711	2,717	2,723	2,729	2,735	2,850	2,741	2,775
491.855 Insurance Policies	16,206	19,285	16,545	17,691	19,318	18,530	18,293	19,450	22,525	23,750
491.858 Workers' Compensation Insurance	12,128	11,113	9,817	9,134	10,251	6,109	6,047	6,100	6,038	6,340
491.860 Pension Expense	16,780	16,213	14,068	16,638	17,300	20,537	21,027	21,448	21,120	22,879
491.865 Bond	141	164	164	164	170	170	170	175	170	175

**GENERAL EXPENSES**

	2015	2016	2017	2018	2019	2020	2021	2022		2023
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
491.870 Medical / Dental / Vision Insurance	110,066	104,515	110,742	125,297	164,963	154,195	158,541	157,000	161,400	175,000
491.871 Health Insurance Opt-Out Program	4,189	4,377	2,867	2,234	192	0	0	0	0	0
491.875 Group Term Life/Disability Insurance	3,208	3,138	3,768	3,631	3,167	3,280	3,300	3,700	3,500	3,650
491.880 Payroll Taxes - FICA	18,822	18,145	19,705	21,790	21,660	21,968	23,975	24,000	25,650	27,000
491.881 Unemployment Compensation Insurance	3,246	2,218	832	1,195	1,248	2,115	2,250	1,200	1,230	3,870
<b>Subtotal</b>	<b>191,444</b>	<b>185,776</b>	<b>184,054</b>	<b>203,473</b>	<b>244,269</b>	<b>233,227</b>	<b>237,947</b>	<b>240,373</b>	<b>246,434</b>	<b>269,889</b>
<b>MISCELLANEOUS</b>										
494.885 Operational and Management Agreement	85,872	88,560	91,392	94,212	104,616	108,192	109,704	113,760	113,760	119,280
494.470 Miscellaneous	15,118	2,011	86	1,729	86	0	162	300	0	0
494.460 Board, Staff, and Professional Meetings	0	0	0	0	0	0	0	100	0	0
497.895 Loss (Gain) on Disposal of Assets	-	-	-	-	-	0	0	0	0	0
<b>Subtotal</b>	<b>100,990</b>	<b>90,571</b>	<b>91,478</b>	<b>95,941</b>	<b>104,702</b>	<b>108,192</b>	<b>109,866</b>	<b>114,160</b>	<b>113,760</b>	<b>119,280</b>
<b>TOTAL GENERAL EXPENSE</b>	<b>467,604</b>	<b>444,207</b>	<b>438,163</b>	<b>495,583</b>	<b>543,750</b>	<b>546,103</b>	<b>553,051</b>	<b>550,533</b>	<b>577,489</b>	<b>607,469</b>

GENERAL EXPENSES

OFFICE

**482.600 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 approximately 50% of the Tax & Finance Office Assistant's wages. In prior years, prior to reassignment of EIT collection to the Centre Tax Agency, a larger percentage of the Tax & Finance Office Assistant's wages were allocated to the tax department.

**482.605 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.

**482.610 CONTRACT LABOR – METER READER**

This line item was suspended in 2022.

**482.612 PROFESSIONAL EMPLOYMENT SERVICES**

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

GENERAL EXPENSES

**482.620 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.

**482.621 COMPUTER AND SOFTWARE MAINTENANCE**

Please refer to the narrative for 482.643.

**482.625 POSTAGE AND SHIPPING CHARGES**

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

**482.641 ADVERTISING**

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

**482.643 IT SERVICE / SUPPORT / SOFTWARE**

Beginning with 2018, this account captured all costs associated with information technology support, service, and software that is not capital in nature (i.e. new acquisition).

**482.645 TELEPHONE**

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

GENERAL EXPENSES

**482.647 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.

**482.655 UNCOLLECTIBLE ACCOUNTS**

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

**GENERAL PROPERTY**

**485.702 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.

**485.731 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.

**485.735 REPAIRS OF TOOLS AND MACHINERY**

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

GENERAL EXPENSES

**485.740 MATERIALS AND SUPPLIES**

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

**485.765 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 and the backhoe have a radio. This account is used to record the cost associated with this communication equipment.

**485.770 RENTAL OF EQUIPMENT**

This line item covers the cost of equipment rental in emergency type situations. Equipment rented from the Township is based on an equipment rental rate schedule. Rental cost associated with projects is included in the cost of the project.

**ENGINEERING AND PROFESSIONAL**

**488.810 ENGINEERING - CONSULTING**

## GENERAL EXPENSES

This line item covers the charges from the consulting engineer for routine engineering services such as meeting attendance, completion of the annual loss water report, completion of the annual water system report for the Trustee, SRBC Quality Withdrawal report, etc. Charges related to projects such as design and construction management are added to the cost of these projects.

### 488.840 ACCOUNTING AND AUDIT

Outside auditor services in auditing the Authority's 2022 financial statements and preparing the 2022 Annual Report of Municipal Authorities is expected to cost \$14,200. An estimate of \$2,500 is included for professional consultation on other financial issues.

### 488.845 LEGAL

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

### 488.850 PROFESSIONAL - OTHER

It is expected that there will be an outlay of approximately \$1,000, representing the Authority's share of the cost of maintaining a web site developed by the Water Resources Monitoring Committee regarding source water education.

## TAXES, BENEFITS, AND INSURANCE

### 491.615 TRAINING – DISTRIBUTION AND OFFICE

## GENERAL EXPENSES

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.

### **491.618 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.

### **491.738 CLOTHING AND UNIFORMS**

This account covers the following: 1) renting and laundering uniforms, 2) renting and cleaning floor mats for the office building, 3) \$400 bi-annual (public works director, road crew, ordinance enforcement officer, engineer, assistant engineer and GIS Technician) boot allowance, 4) insignia shirts for field identification, 5) \$350 bi-annual safety glasses allowance and 6) reimbursement for license renewal for the CDL drivers. An annual inspection of each employee's coat and sweatshirt will be made by the Public Works Director. The Public Works Director will then place an annual order for replacements. There will be exceptions to the annual order for new employees, bad tears, etc.

### **491.802 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. The budget makes a small provision for reference sources and miscellaneous subscriptions.

## GENERAL EXPENSES

### 491.855 INSURANCE POLICIES

The Authority maintains public liability, property damage, and workers' compensation insurance. 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.

### 491.858 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.

### 491.860 PENSION EXPENSE

This line item covers the Authority's share of the cost of providing a pension for the Township employees. The amount budgeted is based on the Minimum Municipal Obligation (MMO) Certification that is completed in September, annually.

### 491.865 BOND

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

GENERAL EXPENSES

**491.870      MEDICAL/ DENTAL/VISION INSURANCE**

**Vision:**

This line item covers the Authority's share of the cost of providing a vision plan for township employees. Any incremental cost of adding family members will be the sole responsibility of the employee.

**Health/Dental:**

This line item covers the Authority's share of the cost of providing health and dental insurance coverage for the township employees. The monthly premiums for 2015 - 2023 prior to employee contributions are as follows:

	Health		Dental	
2023	1,293.46	3,136.57	29.35	94.39
2022	1,185.88	2,866.51	29.35	94.39
2021	1,192.17	2,810.14	28.09	90.33
2020	1,167.62	2,745.41	28.09	90.33
2019	1,251.99	2,923.91	27.40	88.13
2018	1,114.03	2,590.48	27.40	88.13
2017	1,039.39	2,381.72	26.60	85.56
2016	961.12	2,195.53	25.65	82.51
2015	921.52	2,097.58	25.65	82.51

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

**491.871      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

## GENERAL EXPENSES

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.

### **491.875      GROUP TERM LIFE/DISABILITY INSURANCE**

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

### **491.880      PAYROLL TAXES – FICA**

This item covers the township's share of the social security and Medicare taxes on employee wages. The 2023 social security rate is 6.2% of gross earnings up to \$160,200 per employee. The 2023 Medicare rate is 1.45% of gross earnings (no limit). Beginning 1/1/2013, additional .9% Medicare tax went into effect, but due to high income thresholds, this additional tax is not expected to impact College Township employees.

### **491.881      UNEMPLOYMENT COMPENSATION INSURANCE**

In 2023, the township is required to pay 0.9% of each employees first \$10,000 of earnings to cover unemployment compensation insurance.

## **MISCELLANEOUS**

### **494.460      BOARD, STAFF AND PROFESSIONAL MEETINGS**

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

GENERAL EXPENSES

**494.470 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.

**494.885 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 \$9,940 per month.

Non-Operating Income  
(Expense)

**NON-OPERATING INCOME (EXPENSE)**

	2015	2016	2017	2018	2019	2020	2021	2022		2023
	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	AUDITED	BUDGET	EXPECTED	PROPOSED
<b>NON-OPERATING INCOME (EXPENSE)</b>										
341.000 Investment Income	8,384	1,857	21,885	22,027	30,850	19,153	4,804	6,000	19,300	24,000
	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
<b>NET NON-OPERATING INCOME (EXP)</b>	<b>8,384</b>	<b>1,857</b>	<b>21,885</b>	<b>22,027</b>	<b>30,850</b>	<b>19,153</b>	<b>4,804</b>	<b>6,000</b>	<b>19,300</b>	<b>24,000</b>

NON-OPERATING INCOME

**341.000**      **INVESTMENT INCOME**

This category accounts for interest earnings generated from carrying balances in Authority bank accounts as well as short term and long term investment of surplus funds in allowable investments.

# Capital Budget

College Township Water Authority  
2023 CAPITAL BUDGET

	Funding	Capital Budget				
		Year 2023	Out Years			
		2024	2025	2026	2027	
<b><u>Water System Upgrade Construction Projects</u></b>						
<b>Planned Capital Projects :</b>						
Ivy Hill / Mountainview Loop Completion	Funds on Hand	\$ 50,000	\$ 120,000			
Squirrel Drive Waterline Replace / Upgrade	Funds on Hand	\$ 160,000				
First Ave (Rhodes Lane to Struble Rd) Project Cost	Small Water/Sewer State Grant		\$ 500,000			
Creekside Dr ( Houserville to Mitch)	Funds on Hand		\$ 319,000			
T9B Houserville Road (College Ave to Ivy Hill)	Funds on Hand		\$ 176,000			
D4 Oak Ridge Avenue	Funds on Hand			\$ 564,000		
Norle / Oakwood Backlot Waterline Upgrade	Funds on Hand / Inhouse Crew		\$ 90,000			
138-176 Limerock Terrace - Connecting Lots	Funds on Hand / Inhouse Crew		\$ 20,000			
Matiida / Mayberry Backlot Waterline Replacement	Funds on Hand / Inhouse Crew		\$ 65,000			
SRBC Required Hydrogeologic Services	Funds on Hand	\$ 40,000				
		\$ 250,000	\$ 730,000	\$ 560,000	\$ 564,000	\$ -
<b>Planned Capital Projects Funded by 2022 Debt Issue</b>						
Oak Hall Well Related Projects						
Oak Hall Well Development Continuation	2022 Water Revenue Note	\$ 1,002,000	\$ 870,000			
Oak Hall Transmission Mains Continuation	2022 Water Revenue Note	\$ 605,000				
Oak Hall Booster Station	2022 Water Revenue Note	\$ 119,680	\$ 29,920			
Boalsburg Pike	2022 Water Revenue Note	\$ 431,200	\$ 107,800			
		\$ 2,157,880	\$ 1,007,720			
<b><u>Equipment and Capital Purchases</u></b>						
See attached listing of Proposed Purchases	Funds on Hand	\$ 303,425	\$ 168,150	\$ 61,750	\$ 58,800	\$ 5,300
<b>TOTAL CAPITAL PURCHASES</b>		\$ 2,711,305	\$ 1,905,870	\$ 621,750	\$ 622,800	\$ 5,300
<b><u>Expected Funding:</u></b>						
Small Water/Sewer State Grant			\$ (333,333)			
2022 Water Revenue Note		\$ (2,157,880)	\$ (1,007,720)			
Asset Purchases - Trade / Sale Value		\$ (25,000)	\$ -	\$ -	\$ -	\$ -
		\$ (2,182,880)	\$ (1,341,053)	\$ -	\$ -	\$ -
<b>TOTAL REQUIRED TO BE PAID FROM FUNDS ON HAND</b>		\$ 528,425	\$ 564,817	\$ 621,750	\$ 622,800	\$ 5,300

## College Township Water Authority - Planned Capital Projects

Ranking	Proposed Project	Estimated Cost	2023	2024	2025	2026	2027
1	Ivy Hill connection to Mountainview <sup>(1)</sup>	\$ 170,000	\$ 50,000	\$ 120,000			
2	Squirrel Drive- Upgrade line <sup>(2)</sup>	\$ 160,000	\$ 160,000				
3	First Ave (Rhodes to Struble Rd) - Replace 8" <sup>(3)</sup>	\$ 500,000	\$ -	\$ 500,000			
	Creekside Dr - Houserville to Mitch	\$ 319,000			\$ 319,000		
	T9B Houserville Road - (College Ave to Ivy Hill)	\$ 176,000			\$ 176,000		
	D4 Oak Ridge Avenue	\$ 564,000				\$ 564,000	
Crew	Norle/Oakwood Backlot- Replace ~840' of 2" steel	\$ 170,000	\$ -	\$ 90,000			
Crew	138-176 Limerock Terr - connect lots to 8" DIP	\$ 20,000		\$ 20,000			
Crew	Matilda/Mayberry Backlot - Replace ~600' of 2" steel	\$ 65,000			\$ 65,000		
	SRBC Required Hydrogeologic Services	\$ 40,000	\$ 40,000				
	Totals	\$ 2,184,000	\$ 250,000	\$ 730,000	\$ 560,000	\$ 564,000	\$ -

(1) Phase 1 - Connect Ivy Hill to Mountainview

Phase 2 - Connect Mountainview to College Ave

(2) In accordance with agreement with Aspen Heights

(3) Potential Grant Project - Total Cost = \$500,000 (1/3 match required) - Design in 2023; Construction in 2024

2023 Net - 18334 2024 Net - 148333

## College Township Water Authority - Planned Capital Projects Funded by 2022 Debt Issue

	Proposed Project - Bond Funded	Estimated Cost	2023	2024	2025	2026	2027
	Oak Hall Well Development	\$ 1,872,000	\$ 1,002,000	\$ 870,000			
	Oak Hall Transmission Main	\$ 605,000	\$ 605,000				
	Oak Hall Booster Station	\$ 149,600	\$ 119,680	\$ 29,920			
	Boalsburg Pike	\$ 539,000	\$ 431,200	\$ 107,800			
	Totals	\$ 3,165,600	\$ 2,157,880	\$ 1,007,720	\$ -	\$ -	\$ -

## College Township Water Authority - Planned Capital Purchases

Ranking	Capital Asset	Estimated Cost	2023	2024	2025	2026	2027
1	Radio-read Conversion	\$ 233,550	\$ 53,850	\$ 60,750	\$ 60,150	\$ 58,800	
2	Existing SCADA backup <sup>(1)</sup>	\$ 47,210	\$ 16,500	\$ 11,100			
3	Struble Tank Maintenance <sup>(5)</sup>	\$ 60,000	\$ 26,700	\$ 33,300			
4a	Replace 2008 Case 580 SM Backhoe <sup>(2)</sup>	\$ 137,000	\$ 137,000				
4b	Purchase Epiroc SBU 340 Hyd Breaker - Backhoe	\$ 20,000	\$ 20,000				
5	Cross connection control/Backflow Prevention Program (Year 3)	\$ 6,375	\$ 6,375				
6	Dale St Reservoir Cover Maintenance	\$ 20,000	\$ 20,000				
7	Commercial Meters Replacement Program	\$ 23,000	\$ 23,000				
	Pave Struble Tank Road & Install Fence <sup>(3)</sup>	\$ 56,000		\$ 56,000			
	Replace 10" Drop-in Meters (Spring Creek)	\$ 3,000		\$ 3,000			
	Chlorine Analyzer - Rogers Well	\$ 4,000		\$ 4,000			
	Replace 1997 Schonstedt Metal Detectors	\$ 1,600			\$ 1,600		
	Flushing Station for Shuey's <sup>(4)</sup>	\$ 3,500					\$ 3,500
	Replace 2002 Fire Hydrant Flow Test Kit	\$ 1,800					\$ 1,800
	<b>Totals</b>	<b>\$ 617,035</b>	<b>\$ 303,425</b>	<b>\$ 168,150</b>	<b>\$ 61,750</b>	<b>\$ 58,800</b>	<b>\$ 5,300</b>

- (1) Required Improvement to ensure viable backup to existing SCADA packs (possible to include with Oak Hall Well Project)
- Building Master - no upgrade at this time
  - Spring Creek Well - \$11,100
  - Dale St Reservoir - no upgrade at this time
  - Struble Tank - no upgrade at this time
  - Matilda Booster Sta - \$9,700
  - Rogers Well - \$16,500
  - Lemont Booster Sta - no upgrade at this time
  - Rockview Meter Pit - \$9,910
  - Total Upgrade Cost - \$47,210**

(2) Purchase Cost - \$137,000 less \$25,000 trade

(3) Possible Grant Project

(4) Delay to see if alternate plan works

(5) 2023-Inside; 2024-Outside

CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

**2023 PLANNED CAPITAL PROJECTS**

*NOTE: Estimates of Project Costs include contract costs, in-house labor, engineering, and other “soft” costs.*

**IVY HILL / MOUNTAINVIEW CONNECTION**

This project will complete a loop that provides relief to the existing waterline that parallels Pike Street / Houserville Road. The project includes a connection of new 8” DIP between Ivy Hill Drive and Mountainview Avenue. Administration work including engineering and easements will be completed in 2023 (\$50,000) with construction anticipated in 2024 (\$120,000)

**SQUIRREL DRIVE WATERLINE UPGRADE**

As a condition of agreement with the Aspen Heights development, should Squirrel Drive need to be resurfaced at the conclusion of construction, CTWA shall be given the opportunity to replace/upgrade the existing waterline. Occupancy of the apartment buildings is expected in July/August 2023, which means that restoration of Squirrel Drive will occur no later than mid-summer. Approximately 700 LF of a combination of 4” and 6” AC pipe will be replaced.

**SRBC REQUIRED HYDROGEOLOGIC SERVICES**

Aqualith Technologies, LLC was contracted to provide hydrogeologic services in connection with the permitting requirements with the Susquehanna River Basin Commission (SRBC). The Authority approved a cost not to exceed \$40,000.

**2023 CAPITAL PROJECTS FUNDED BY 2022 DEBT ISSUE**

**OAK HALL WELL DEVELOPMENT CONTINUATION**

This project is to bring a third water well on-line to support the water supply for the Authority’s system. The project includes the construction of a 1,250 gpm groundwater supply well, conversion of OH-19 into a booster station for Oak Hall Park, and

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

construction of a second booster station to supply low pressure customers in Oak Hall. Preliminary engineering and permit applications were complete in 2021. The budget assumes the permits for these facilities are issued early in 2023, final design is completed, the project is bid and construction started (for budgeting purposes it is assumed that half of the estimated construction is completed in 2023):

Final Design =	\$80,000
Bidding =	\$12,000
50% of estimated construction is completed in 2023 =	\$870,000
Engineering services during construction in 2023 =	<u>\$40,000</u>
Total estimated budget for 2023 =	\$1,002,000

### OAK HALL TRANSMISSION MAINS CONTINUATION

This project is to install the 12-inch transmission mains necessary to convey the Oak-Hall Well water supply into the Authority's low pressure zone. The project include construction of approximately 7,500 lf. of 12-inch ductile iron waterline from the Oak Hall Well to an existing 12-inch main in Whitehill Street. Design and permit applications were complete in 2021. Permits were issued for this project in 2022. The budget assumes the project is bid and constructed in 2023:

Bidding =	\$12,000
Construction =	\$530,000
Lenape Lane Extension (bid as alternate) =	\$40,000
Engineering services during construction =	<u>\$23,000</u>
Total estimated budget for 2023 =	\$605,000

## 2023 EQUIPMENT AND CAPITAL ASSET PURCHASES

### RADIO-READ METER PROGRAM - \$53,850

Staff will continue the conversion of residential meters to Radio-Read. In 2023, approximately 177 meters will be converted.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

### **SCADA BACKUP UNITS - \$16,500**

An evaluation of the existing SCADA units has revealed older models that cannot be used as a viable backup elsewhere in the system. Tri-Star has inventoried the units and provided a report that will be used to overhaul the system at the time OH-20 is brought on-line. Meanwhile, one upgrade is needed in 2023 to ensure there is a viable backup unit for Rogers Well. *An existing unit was able to be re-built for Spring Creek Well for \$1,657 that will suffice until OH-20 is constructed.*

### **STRUBLE TANK INSIDE MAINTENANCE - \$26,700**

The tank inspection conducted in 2022 revealed necessary maintenance for both inside and outside of the tank. Inside repairs will be completed in 2023 and include:

Recondition/recoat all of the horizontal and vertical interior tank seams and bottom manway. The sealant will ensure the tank is 'liquid tight' as well as protect the panel sheet edges from corrosion.

Install new sacrificial anode bars on the inside floor, which are part of a new NSF approved cathodic protection system.

### **REPLACE 2008 CASE 580 SM BACKHOE - \$137,000**

Replacement cost is estimated at \$137,000. It anticipated that the existing backhoe will be traded-in or sold at auction for approximately \$25,000.

### **PURCHASE ROCK BREAKER - \$20,000**

A rock breaker will eliminate excessive wear on the backhoe and extend its useful life.

### **CROSS CONNECTION CONTROL/BACKFLOW PREVENTION PROGRAM - \$6,375**

This 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. Residential inspections are completed.

## CONSTRUCTION PROJECTS/CAPITAL ASSET PURCHASES

In 2018, CTWA contracted with National Water Specialties Company (NAWSC) to administer a Backflow Prevention Inspection Program. The initial contract was for 2-years and provided an incremental 1-year automatic renewal. In 2023, CTWA will continue its contract with PAWSC for the Backflow Prevention Inspection Program for an estimated \$6,375.

### **DALE ST RESERVOIR COVER MAINTENANCE - \$20,000**

A recent inspection has revealed excessive vegetation growing on the cover which is detrimental to the life expectancy of the cover which was installed in 2012. In 2023, an experienced contractor will clean the cover and fix any areas that are showing excessive wear.

### **COMMERCIAL METER REPLACEMENT PROGRAM - \$23,000**

The next target group for the commercial meter-replacement program will be 1-1/2" and smaller. This project will continue into 2023.

# Appendix

Capital Equipment REPLACEMENT Schedule

<u>YEAR ACQUIRED AND DESCRIPTION</u>		<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>TOTALS</u>
<b>Maintenance Vehicles:</b>							
2012	2012 CHEVY CARGO VAN #64		60,000				60,000
2015	2015 FORD F150 PICK UP #72			55,000			55,000
	Purchase #83 2018 FORD F550 T-Tag Dump Trk				30,000		30,000
<b>Office and Staff Vehicles:</b>							
		-	-	-	-	-	-
<b>Off Road Equipment:</b>							
2006	2006 BOBCAT 331E TRACK EXCAVATOR - #44						-
2009	2009 CASE BACKHOE 580 SM - #56	137,000					137,000
<b>Tools &amp; Attachments:</b>							
1997	1997 SCHONSTEDT METAL DETECTOR #2				1,600		1,600
2002	2002 FIRE HYD FLOW TEST KIT			1,600			1,600
2004	2004 PIPE THREADER		2,000				2,000
2015	2015 GAS DETECTOR MAX XT II			1,600			1,600
2016	2015 STIHL MP SAW TS 420		1,600				1,600
2006	HOSE MONSTER				950		950
2007	ALLEGRO VENTILATOR					1,200	1,200
2012	TRACEMASTER LINE LOCATOR					4,500	4,500
2019	STIHL MP SAW TS800					2,200	2,200
	ROCK BREAKER FOR BACKHOE	20,000					20,000
<b>Lawn &amp; Ground Tools:</b>							
<b>ANNUAL TOTALS</b>							
		\$ 157,000	\$ 63,600	\$ 58,200	\$ 32,550	\$ 7,900	\$ 319,250