CONSULTING ENGINEER'S ANNUAL REPORT

2014 OPERATING YEAR

FOR

THE MUNICIPAL WATER AUTHORITY OF ALIQUIPPA

160 HOPEWELL AVENUE ALIQUIPPA, PENNSYLVANIA 15001

NOVEMBER 2015



Lennon, Smith, Souleret Engineering, Inc.

Civil Engineers and Surveyors 846 Fourth Avenue, Coraopolis, PA 15108 (412) 264-4400 • (412) 264-1200 Fax info@lsse.com • www.lsse.com

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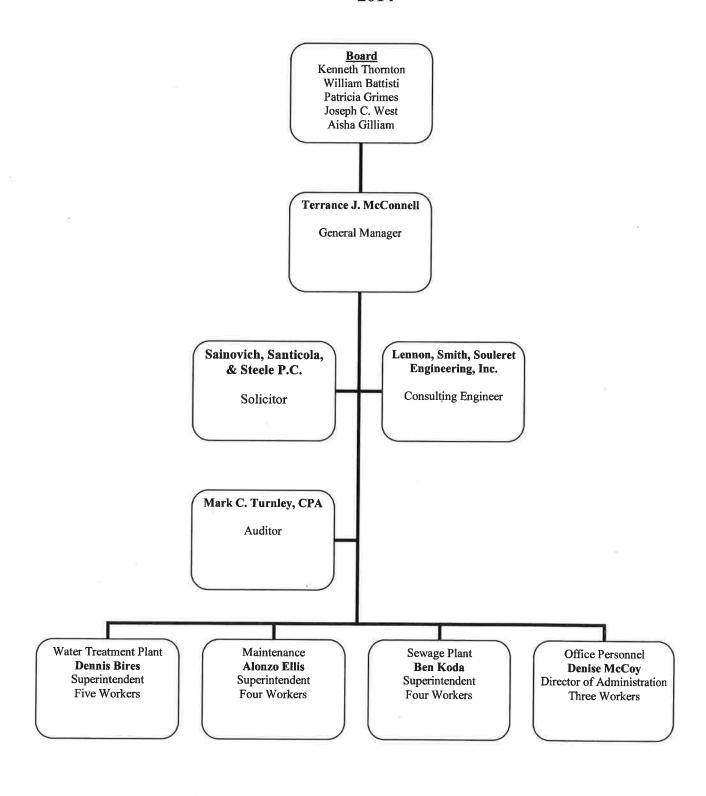
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ORGANIZATIONAL CHART MUNICIPAL WATER AUTHORITY OF ALIQUIPPA 2014



MUNICIPAL WATER AUTHORITY OF ALIQUIPPA

Aliquippa, Beaver County, Pennsylvania 724-375-5525 Identification No. 25-6007701

AUTHORITY BOARD MEMBER FOR OPERATING YEAR 2014

Kenneth Thornton							
William BattistiVice Chairman							
Patricia GrimesSecretary							
Joseph C. WestTreasurer							
Aisha GilliamAssistant Secretary/Treasurer							
PROFESSIONAL APPOINTMENTS							
Sainovich, Santicola, & Steele P.CSolicitor							
Bank of New York, Mellon Trust No. N.ATrustee							
Mark C. Turnley, CPAAuditor							
ESB BankDepository							
Lennon, Smith, Souleret Engineering, Inc							
MANAGEMENT							
Terrance J. McConnellGeneral Manager							
Denise McCoy Director of Administration							

MUNICIPAL WATER AUTHORITY OF ALIQUIPPA

CONSULTING ENGINEER'S ANNUAL REPORT

INTRODUCTION

We are pleased to submit the Consulting Engineer's Report of Operations for Fiscal Year 2014 for the Municipal Water Authority of Aliquippa (MWAA).

DRINKING WATER SYSTEM

DESCRIPTION OF SYSTEM

The water system serves a population of approximately 10,300 within the City of Aliquippa, Hopewell Township, Potter Township, Shippingport Borough and Raccoon Township.

MWAA is located in Aliquippa, Pennsylvania. The primary source of water consists of five vertical wells, one Ranney Well, and one Collector Well, each located along the Ohio River. The Ranney Well and the Collector Well combined can pump approximately 4.0 MGD to the treatment plant. The treatment plant has a rated capacity of 4.0 MGD. The vertical wells were previously considered "backup" wells to provide additional capacity as needed. In 2014, the Pennsylvania Department of Environmental Protection (PaDEP) advised this was no longer allowed. The wells now need to be used for supply and sampled/permitted accordingly. In addition to the wells, there is a ready interconnect with the Center Township Water Authority system.

The treatment plant process includes iron and manganese removal, softening, and disinfection. The total amount of treated water storage is 9,678,000 gallons of water via six storage tanks.

Flow meters at the treatment plant and each of the wells will be replaced in 2015. Distribution water meters were replaced in 2014 and funded with a bond issue.

The Raccoon Tank is the only tank supplying the Raccoon Township service area and provides less than 1 day's supply of potable water. MWAA staff installed meters and repaired valves in the system in 2014.

The Water Allocation Permit was renewed in 2014 for the next 50 years. Rules and Regulations were prepared and adopted in 2014.

The distribution system is aging and the conditions of the waterlines is commensurate with age. Waterlines are repaired as required to maintain service and stop leaks.

The Pennsylvania Department of Environmental Protection (PaDEP) has notified that violations exist in the MWAA system. An Inspection Report from PaDEP included a list of deficiencies. MWAA is continuing to work on rectifying these deficiencies in 2015.

WATER RATES

Table 1 indicates the current and previous water user rates charged by the MWAA to their customers. The last rate increase was in January 2007. Included in the Water System Appendix is a Regional Water Rate Comparison Table which identifies the quarterly water bill for various water systems throughout the region. The rates are based on 15,000 gallons per quarter of use and include the years 2008 through 2013. Based on this information, the average percent change in water use rates since 2008 for the region is 17% while MWAA has not increased their water use rates during this period. The need for a rate increase will be evaluated during preparation of the 2016 budget.

TABLE 1 SCHEDULE OF RATES – QUARTERLY CHARGES

	Water
First 6,000 gallons	\$46.27 minimum
Next 12,000 gallons	6.25/1,000
Next 42,000 gallons	5.41/1,000
Over 60,000 gallons	4.66/1,000
Previous Rate Structu	re – January 1, 2005
	Water
First 6,000 gallons	\$38.56 minimum
Next 12,000 gallons	5.21/1,000
Next 42,000 gallons	4.51/1,000
Over 60,000 gallons	3.88/1,000
Previous Rate Structu	re – January 1, 2001
	Water
First 6,000 gallons	\$34.43 minimum
Next 12,000 gallons	4.652/1,000
Next 42,000 gallons	4.03/1,000
Over 60,000 gallons	3.46/1,000

WATER WITHDRAWAL AND SALES

The data gathered for this section of the report was taken from official reports of MWAA.

The Daily Water Withdrawal/Instream Flow Requirement Report is a report prepared monthly and indicates the total amount of water pumped from the wells to the treatment plant on a daily basis. Of the wells producing water, only the Ranney well has an individual meter. The Collector Well and Wells 25, 26, 27 and 28 have a common meter that has been out of service for several years. For all wells, an estimate is made of the amount of water pumped based upon the pump capacity and the length of running time. The total combined well output for 2014 was 1,291,172,008 gallons of water based on flow estimated. A table has been included in the Water System Appendix using MWAA data which details the monthly water withdrawal from each well.

The <u>Report of Operations</u> records the amount of water coming into the treatment plant and the amount of finished water pumped into the distribution system for sale. In

comparison, the raw water that entered the plant measured 1,251,538,000 gallons of water according to the report. The data from the Report of Operations will be used rather than the well withdrawal values in this report because the raw water data is measured and not merely estimated. The finished water leaving the plant was 1,016,576,000 gallons of water and is measured with a calibrated venturi meter installed in 1998.

The Metered Sales of 382,660,160 gallons plus the estimated 101,288,090 gallons for maintenance, and plant use compared to the finished water of 1,016,579,000 gallons pumped to the system indicated that about 52% of the water leaving the plant is not accounted for. This water loss is significant and is suspected to include undetected leaks, fires, unreported hydrant usage, and aged plant metering.

The Water System Appendix includes a table which details the above referenced data.

SEWER SYSTEM

DESCRIPTION OF SYSTEM

The MWAA Wastewater Treatment Plant (WWTP) serves both the City of Aliquippa and Hopewell Township. The wastewater treatment plant has a design hydraulic capacity of 3.4 MGD. The maximum wet weather hydraulic capacity is 7.0 MGD. The plant discharges treated effluent to the Ohio River under NPDES Permit (PA0025968) parameters. The WWTP was not hydraulically or organically overloaded during the 2014 operating year, nor is it projected to be hydraulically or organically overloaded within the next 5 years. The Sewer System Appendix includes a hydraulic loading graphic and an organic loading graphic which was previously included in MWAA's Annual Wasteload Management Report.

The NPDES Permit for the system was renewed for another 5 years in 2014. The new permit included a more stringent limit for total residual chlorine which is currently being evaluated by the Authority. Rules and Regulations were adopted in 2014.

There are seven sewage pump stations that contribute flow to the WWTP.

- 1. The Wye Lift Station serves Aliquippa and portion of Hopewell Township. It is equipped with four 3,000 gpm pumps powered by 75 HP motors.
- 2. The West Aliquippa Lift Station serves West Aliquippa and portions of Hopewell Township. It is equipped with two 500 gpm pumps powered by 10 HP motors.
- 3. The Golf Course Road Lift Station serves the Hospital Drive area. It is equipped with two 160 gpm pumps powered by 15 HP motors.
- The pump station at the Woodlawn Park Area in Hopewell services 11 residential units. The assumed flow at this pump station is 11 gpm, and was designed to handle 85 gpm. (This pump station is owned and operated by Hopewell Township.)

- 5. The Jail Pump Station serves the new Beaver County Jail. It is equipped with two 300 gpm pumps powered by 5 HP motors.
- 6. The Woodlawn Pump Station is equipped with two 122 gpm pumps powered by 4 HP motors. Projected average future flows are only 6,000 gpd (30,000 gpd peak). The pumps are not installed at this time, but are stored for future use. There is no electrical power to the pump station presently. It has never been reported to operate.
- 7. Steel Street Lift Station is equipped with two 200 gpm pumps powered by 5 HP motors.

The collection system is considered a separate sewer system and is relatively old. Its condition is commensurate with age. The system primarily consists of vitrified clay pipe and is subject to inflow and infiltration.

Replacement of the sewer main through the J&L Tunnel was bid in 2014. Funding alternatives are being considered by MWAA.

SEWER RATES

Table 2 indicates the current and previous sewer user rates charged by the MWAA to their customers. The last rate increase was in January 2012. Included in the Sewer System Appendix is a Regional Sewer Rate Comparison Table which identifies the quarterly sewer bill for various water systems throughout the region. The rates are based on 15,000 gallons per quarter of use and include the years 2008 through 2013. Based on this information, the average percent change in water use rates since 2008 for the region is 37% while MWAA has increased their sewer user rates 25% during this period.

TABLE 2
SCHEDULE OF RATES – QUARTERLY CHARGES

Current Rate Structur	re – January 1, 2012
First 6,000 gallons	\$39.08 minimum
Next 12,000 gallons	5.24/1,000
Next 42,000 gallons	4.53/1,000
Over 60,000 gallons	3.62/1,000

Previous Rate Structu	re – January 1, 2007
First 6,000 gallons	\$31.26 minimum
Next 12,000 gallons	4.19/1,000
Next 42,000 gallons	3.62/1,000
Over 60,000 gallons	2.89/1,000

Previous Rate Structu	re – January 1, 2005
First 6,000 gallons	\$26.05 minimum
Next 12,000 gallons	3.49/1,000
Next 42,000 gallons	3.02/1,000
Over 60,000 gallons	2.41/1,000

Previous Rate Structu	re – January 1, 2001
First 6,000 gallons	\$23.26 minimum
Next 12,000 gallons	3.11/1,000
Next 42,000 gallons	2.70/1,000
Over 60,000 gallons	2.15/1,000

FINANCIAL MANAGEMENT

The Financial Management Appendix provides a summary of significant historical data regarding expenses and revenues. The budget format was changed significantly in 2015 to updated budget line items to match the current operations of the Authority. The budgets also provide the required Debt Service Ratio calculation in accordance with the Trust Indenture. A ratio of 1.02 is projected for the 2015 Operating Year compared to the required ratio of 1.10.

MWAA maintains various insurance policies, a listing of which is included in the Financial Management Appendix. As an "appropriate" level of insurance is not an

engineering matter, we can only rely on the recommendation of the Authority's insurance broker regarding the "adequacy" of the insurance coverage.

SUMMARY AND RECOMMENDATIONS

WATER SYSTEM

- The supply of water appears to be adequate to accommodate current demand and modest expansions of the service area.
- Increasing the source water flow by improving the collector well pumping capacity may enhance water filtration plant operations and reduce reliance on aging vertical wells.
- If future demands require treated water in excess of 4.0 MGD, system updates will be required. The vertical wells should be included in this consideration.
- Development and implementation of a replacement program for both lines and valves is recommended.
- Storage capacity appears to be adequate for the Aliquippa service area with a total of six (6) tanks in service.
- It is recommended the Raccoon Tank be repainted.
- It is recommended that an additional 500,000 gallon tank be installed in the western end of the Raccoon service area.
- It is recommended that the West Aliquippa Tank be painted as recommended in an inspection report from DEP.
- The following additional capital improvements are recommended:
 - Map Distribution System
 - Inspect interiors of Water Storage Tanks
 - o Collector Well Pump Cleaning
 - O Conversion of media in the filters to facilitate iron and magnese removal
 - o Implement very aggressive leak detection program

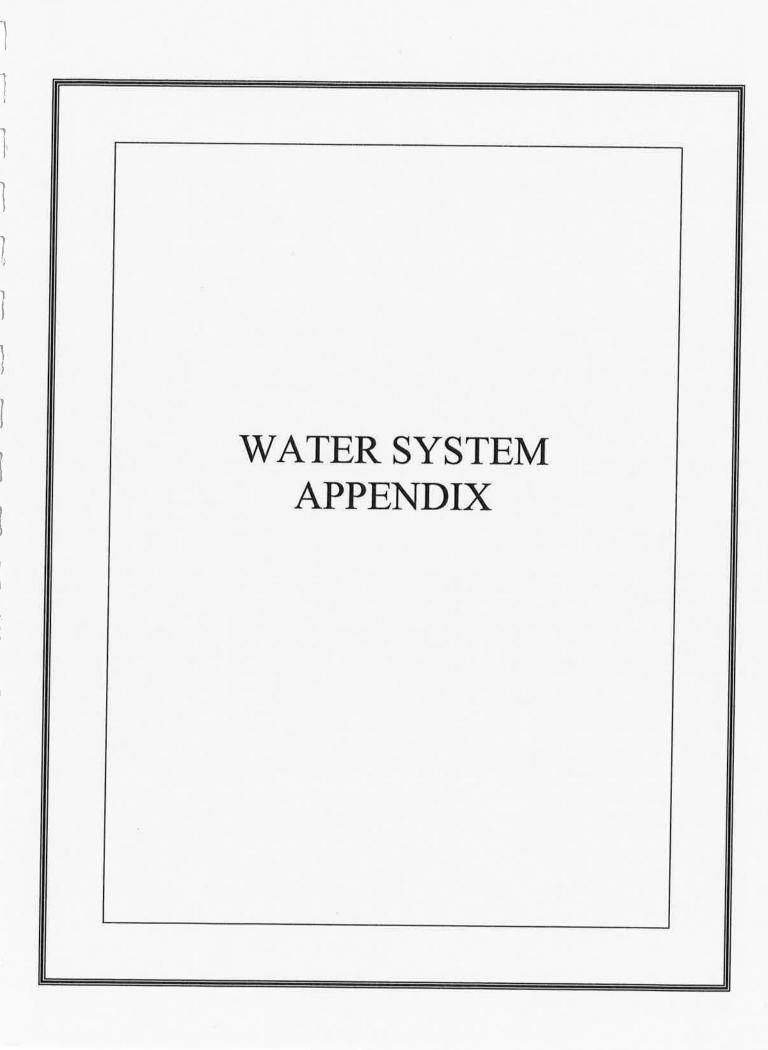
- Raise water rates to cover operating costs and provide capital for system improvements
- o Integrated SCADA system for wells, water treatment plant, booster stations, and storage facilities

SEWER SYSTEM

- There appears to be adequate hydraulic and organic capacity for the coming 5-year period at the WWTP.
- Efforts to reduce infiltration and inflow should be continued to maintain this available capacity at the treatment plant and the collection and conveyance system as well.
- Infiltration/Inflow with past rehabilitation of sewer lines within many areas of the City is reported as successful. Continuing efforts to televise, clean and rehabilitate lines should continue. A more aggressive I/I program should be implemented to reduce flow storm response.
- Replace Golf Course Lift Station pumps with new pumps of higher capacity.
- Slipline the segment of gravity sewer along Golf Course Road.
- The following additional capital improvements are recommended:
 - o Map Collection Systems
 - Upsize Golf Course Road Sewage Pumps
 - o Digester Concrete Repairs
 - o Replace primary clarifier at sewage treatment plant
 - O Integrated SCADA system for sewage pump stations and sewage treatment plant

FINANCIAL MANAGEMENT

- Monitor 2015 expenses to ensure debt service factor of 1.10 is provided.
- The meter replacement program is near completion and is anticipated to result in increased collections. Result pending.



REGIONAL WATER RATE COMPARISON

Based on 15,000 Gallons/Quarter Residential usage

WATER RATE COMPARISON	2008	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	% Change in 6- year period
Vanport Township	15.78	15.78	15.78	15.78	15.78	15.78	0%
Shippingport Borough	39.00	39.00	39.00	39.00	39.00	39.00	0%
Beaver Borough	46.25	46.25	46.25	47.25	47.25	47.25	2%
Moon Township	46.05	46.05	46.05	52.50	52.50	52.50	14%
Industry Municipal Authority	56.40	56.40	56.40	66.60	66.60	66.60	18%
Ambridge Water Authority	61.90	68.21	68.21	71.21	71.21	71.21	15%
Midland Municipal Authority	39.11	76.20	76.20	76.20	76.20	76.20	95%
Brighton Township	86.55	86.55	86.55	86.55	86.55	86.55	0%
Harmony (Ambridge Water Authority)	77.66	84.09	84.09	87.09	87.09	87.09	12%
Cranberry Twp. Municipal Authority	67.75	67.75	81.15	84.90	88.35	88.35	30%
Center Township Water Authority	71.50	71.50	71.50	88.45	88.45	88.45	24%
Creswell Heights Joint Authority	70.92	81.57	83.22	84.87	84.87	88.68	25%
East Liverpool, Ohio (City)	84.15	88.95	88.95	88.95	96.90	96.90	15%
Monaca Borough	88.30	88.30	88.30	88.30	98.00	98.00	11%
Western Allegheny County Mun. Auth-	88.56	88.56	95.82	96.72	98.22	99.12	12%
Beaver Falls Municipal Authority	76.62	82.94	82.94	92.35	100.20	100.20	31%
Municipal Water Authority of Aliquippa	102.52	102.52	102.52	102.52	102.52	102.52	0%
Economy Borough	94.35	100.66	100.66	103.66	103.66	103.66	10%
New Sewickley Municipal Authority	129.00	129.00	129.00	116.10	110.31	104.79	-19%
Baden Borough	96.50	96.50	96.50	114.50	114.50	114.50	19%
Findlay Township Municipal Authority	99.90	99.90	99.90	110.85	110.85	119.10	19%
North Sewickley Municipal Authority	96.00	96.00	121.90	109.86	121.90	121.90	27%
East Liverpool, Ohio (Outside City)	112.95	112.95	112.95	112.95	123.00	123.00	9%
Conway Borough	99.88	114.36	114.36	114.36	118.99	123.80	24%
Koppel (PA American Water Co.)	138.14	138.14	157.35	157.35	174.75	174.75	27%
		A	VERAGE % C	HANGE IN W	ATER RATES	SINCE 2008	17%

ANNUAL WATER WITHDRAWAL REPORT - 2014

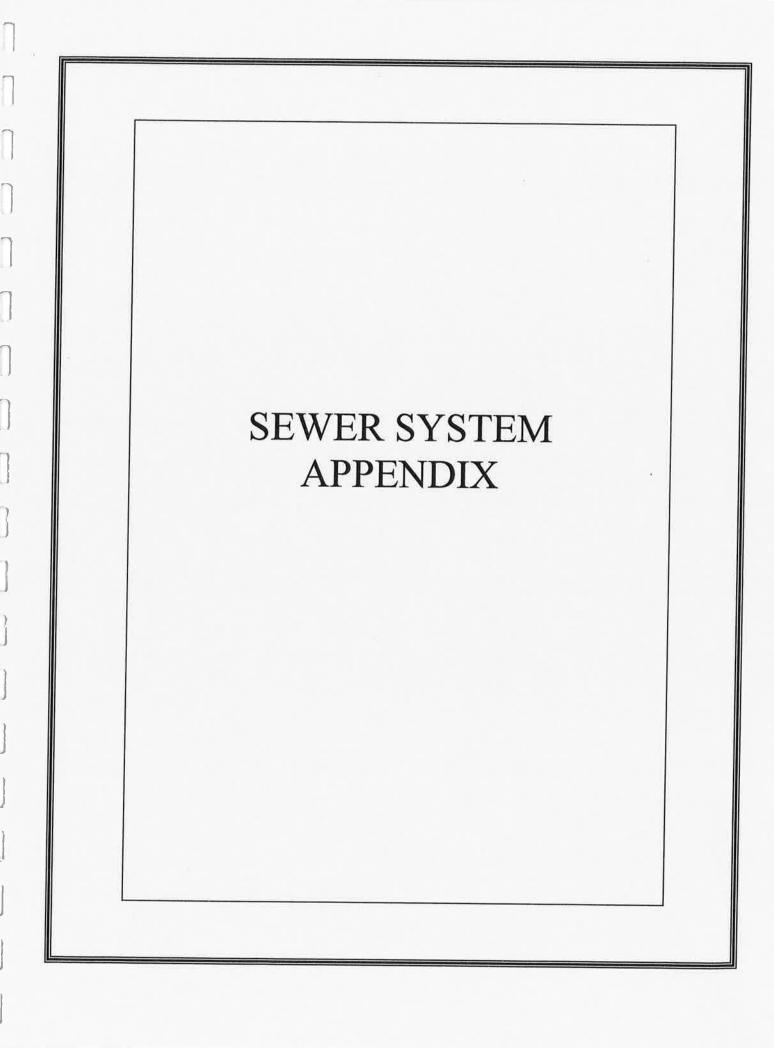
	Ranney Wells	Well 23	Collector Well	Well 25	Well 26	Well 27	Well 28	Total Well Production	TOTAL
				SAL.	(GALLONS)				9
January	70,481,400	0	52,176,070	0	0	0	0	122,657,470	3.957
February	70,662,900	0	49,180,470	0	0	0	0	119,843,370	4.280
March	76,353,100	0	53,846,120	0	0	0	0	130,199,220	4.200
April	68,656,560	0	48,411,580	0	0	0	0	117,068,140	3.902
May	65,220,000	0	44,618,360	0	0	0	0	109,838,360	3.543
June	64,824,300	0	41,090,960	0	0	0	0	105,915,260	3.531
July	52,468,800	0	32,798,940	0	0	0	0	85,267,740	2.751
August	64,130,370	0	29,227,800	0	0	0	0	93,358,170	3.012
September	47,558,050	0	42,442,300	0	0	0	0	90,000,350	3.000
October	55,650,500	0	35,208,502	0	0	0	0	90,859,002	2.931
November	55,738,600	0	54,975,510	0	0	0	0	110,714,110	3.690
December	63,727,596	0	51,723,220	0	0	0	0	115,450,816	3.724
DAILY AVE.	2,069,787	0	1,467,671	0	0	0	0	3,537,458	3.543
TOTAL	755,472,176	0	535,699,832	0	0	0	0	1,291,172,008	

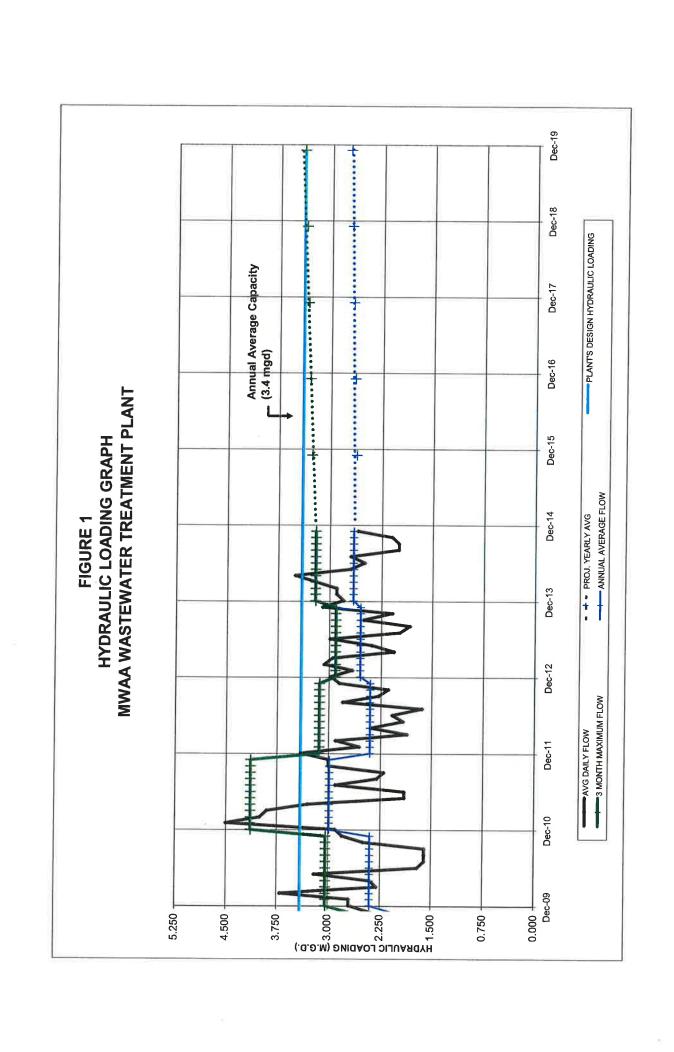
WATER WITHDRAWAL AND SALES (GALLONS)

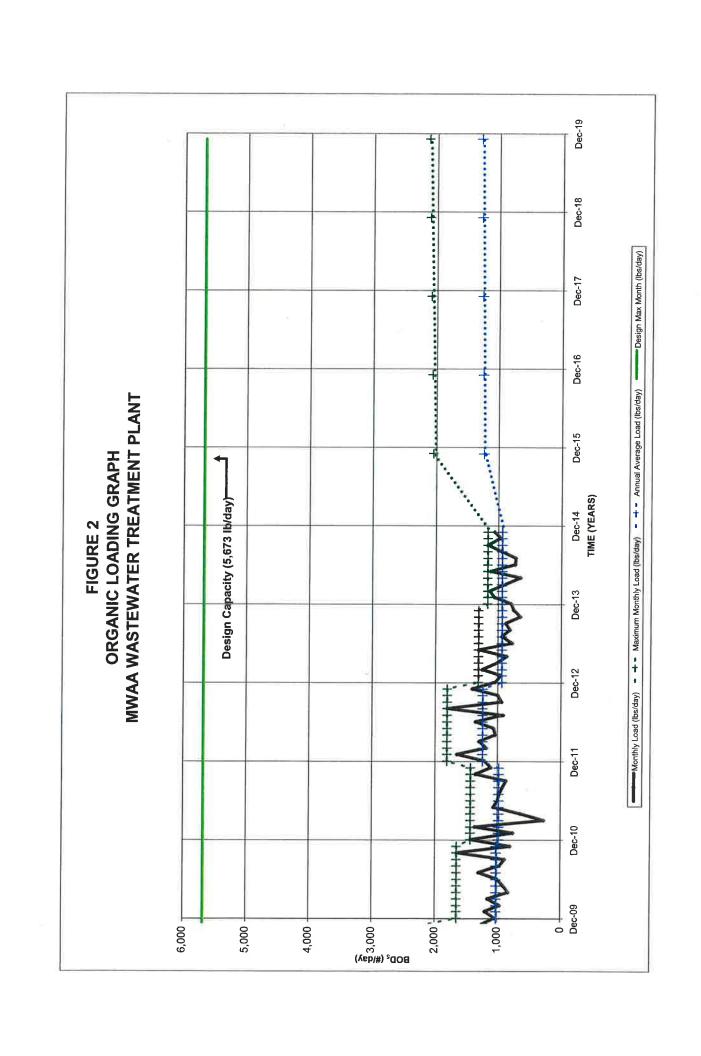
	Metered Sales		8													382,660,160	1,048,384
	Line breaks and	Flushing '='	3,875,000	3,500,000	3,875,000	3,750,000	3,875,000	3,750,000	3,875,000	3,875,000	3,750,000	3,875,000	3,750,000	3,875,000	1	45,625,000	125,000
		Total	100,774,100	98,016,490	106,317,000	94,970,300	86,986,800	89,853,600	81,626,200	80,460,600	78,738,200	84,070,200	82,242,200	88,183,400		1,072,239,090	2,937,641
ERATIONS	Finished Output	Rinse/Wash	4,615,100	4,871,490	5,266,000	4,625,300	4,453,800	4,950,600	4,743,200	4,636,600	4,421,200	4,492,200	4,310,200	4,277,400		55,663,090	152,502
REPORT OF OPERATIONS		Finished	96,159,000	93,145,000	101,051,000	90,345,000	82,533,000	84,903,000	76,883,000	75,824,000	74,317,000	79,578,000	77,932,000	83,906,000		1,016,576,000	2,785,140
		Raw Water Input	116,939,000	116,215,000	124,725,000	111,578,000	102,332,000	104,700,000	94,670,000	92,493,000	91,000,000	97,286,000	95,771,000	103,829,000		1,251,538,000	3,428,871
WATER WITHDRAWAL		Combined Well Output	122,657,470	119,843,370	130,199,220	117,068,140	109,838,360	105,915,260	85,267,740	93,358,170	90,000,350	90,859,002	110,714,110	115,450,816		1,291,172,008	3,537,458
		Month	Jan	Feb	Mar	Apr	May	Jun	Juľ	Aug	Sept	Oct	Nov	Dec		TOTAL	DAILY AVG.

(1) Maintenance data includes water used to flush lines after line break repair operations and bi-annual line flushing water. These numbers are estimates only.

Historic sale vs finsh - Chart







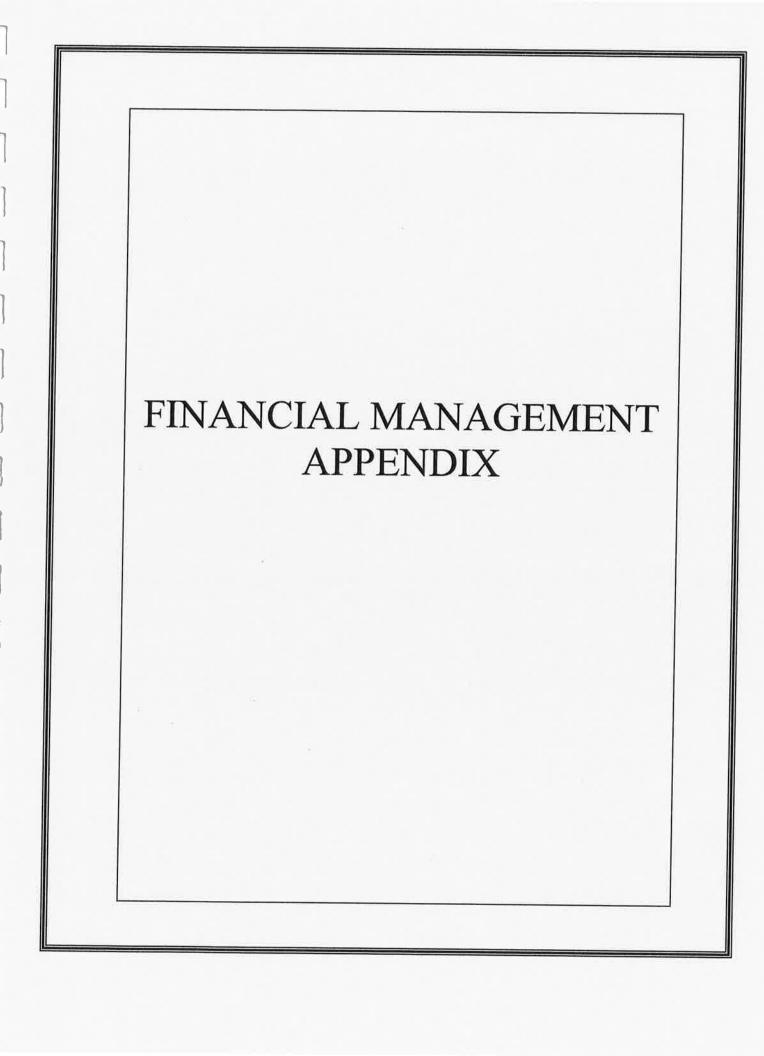
REGIONAL SEWER RATE COMPARISON

Based on 15,000 Gallons/Quarter Residential usage

	Daseu on	15,000 Gail	ons/Quarte	i Kesideni	iai usage		
SEWER RATE COMPARISON	2008	2009	<u>2010</u>	<u>2011</u>	2012	2013	% Change in 6-year period
Shippingport Borough	-8	39.00	39.00	39.00	39.00	39.00	0%
Eastvale Borough (Beaver Falls)	34.00	48.00	48.00	58.00	58.00	58.00	71%
East Liverpool	5 0	55.50	63.00	69.00	69.00	69.00	24%
Beaver Borough	64.25	64.25	64.25	65.25	65.25	65.25	2%
Alcosan	55.58	64.47	64.47	69.08	73.87	73.87	33%
West Mayfield Borough (Beaver Falls)	37.00	50.50	50.50	50.50	50.50	75.00	103%
White Township	<u>-</u>	#		((,,)	75.00	75.00	0%
New Brighton Borough Sanitary Authority	62.55	62.55	72.75	72.75	75.75	75.75	21%
Rochester Township	63.50	63.50	63.50	70.00	78.40	79.50	25%
Midland Municipal Authority	52.80	84.15	84.15	84.15	84.15	84.15	59%
Municipal Water Auth. of Aliquippa	68.97	68.97	68.97	68.97	86.24	86.24	25%
Monaca Borough	52.33	68.53	68.53	68.53	90.10	90.10	72%
Ellwood City	73.50	96.00	96.00	96.00	96.00	96.00	31%
New Sewickley Twp (to Rochester Sys)	122.25	122.25	122.25	115.65	104.58	99.36	-19%
Patterson Twp (to Beaver Falls Sys.)	99.60	99.60	99.60	99.60	99.60	99.60	0%
Baden, Municipal Authority of	76.00	76.00	76.00	81.00	88.50	103.00	36%
Beaver Falls, City of	46.85	67.50	67.50	67.50	100.50	103.50	121%
Moon Township	-	73.50	73.50	75.00	105.00	105.00	43%
Cranberry Townsip Municipal Authority	:=:	95.55	102.05	106.05	106.05	106.05	11%
Brighton Township	89.25	89.25	89.25	107.85	107.85	107.85	21%
Center Township Sewer Authority	108.75	108.75	108.75	108.75	108.75	108.75	0%
Patterson Heights Borough	55.08	85.60	85.74	85.60	85.60	113.00	105%
Patterson Township (to Chippewa Sys.)	114.60	114.60	114.60	114.60	114.60	114.60	0%
Vanport Township Municipal Authority	64.65	64.65	64.65	117.00	117.00	117.00	81%
Koppel Borough	98.79	108.66	108.66	124.95	124.95	124.95	26%
Rochester Borough	95.00	95.00	95.00	70.00	78.40	126.50	33%
Conway Borough	53.87	53.87	53.87	53.87	99.67	134.62	150%
Borough of Ambridge Municipal Authority	106.80	117.39	131.49	131.49	140.65	148.05	39%
Hopewell Township	116.25	130.55	148.50	156.50	156.50	156.50	35%
Chippewa Township	156.54	156.54	156.54	156.54	156.54	156.54	0%
Economy Borough Municipal Authority	180.00	186.00	186.00	195.00	195.00	195.00	8%
Big Beaver Municipal Authority	145.08	217.62	217.62	217.62	217.62	217.62	50%
North Sewickley Township	242.25	242.25	242.25	242.25	242.25	258.75	7%
Industry Borough	165.00	165.00	165.00	261.00	261.00	261.00	58%

AVERAGE % CHANGE IN SEWER RATES SINCE 2008

37%



HISTORIC WATER BUDGET COMPARISON 2011 - 2014 (1)

WATER DEPARTMENT		2011		2012		2013		2014
REVENUES		ACTUAL		ACTUAL		ACTUAL		ACTUAL
METERED SALES - BILLING								
Metered Sales - Domestic	•	4	_					
Metered Sales - Domestic Metered Sales - Commercial	\$	1,788,792	\$	1,797,157	\$	1,793,368	\$	1,642,778
Metered Sales - Commercial Metered Sales - Industrial	\$	276,718	\$	274,175	\$	334,005	\$	336,816
SUBTOTAL	\$	288,909	\$	307,651	_\$	328,910	\$	327,186
SUBTUTAL	\$	2,354,419	\$	2,378,983	\$	2,456,283	\$	2,306,780
FIRE PROTECTION - BILLING								
Private Fire Protection	\$	15,829	\$	10.075	•	40.700		
Public Fire Protection	\$	182,990	\$	16,675	\$	16,798	\$	16,798
SUBTOTAL	\$	198,819	\$	196,229 212,904	: \$	208,309	<u>\$</u>	226,198 242,996
	•	,	•	212,004	Ψ.	220,107	φ	242,990
OTHER WATER SALES - RECEIPTS								
Sales to Public Authorities	_\$_	41,040	\$	48,538	\$	53,584	\$	38,617
SUBTOTAL	\$	41,040	\$	48,538	\$	53,584	\$	38,617
MISC. REVENUE - RECEIPTS								
Customer Penalties	\$	56,484	œ	50,000	•	07.000		
Miscellaneous Water Revenues	\$	30,464	\$ \$	58,883	\$	67,682	\$	59,361
Tap Fees	\$	24,983	φ \$	0.000	\$	40.004	\$	
Turn on Charges & NSF Charges	\$	2,601	\$	2,206	\$	43,304	\$	6,244
Inst Remote Dials, Rep Bi	\$	·		3,995	\$	4,620	\$	4,765
SUBTOTAL	\$	5,226 89,294	\$	540	\$	390	\$	
001/01/12	Ψ	09,294	Ф	65,624	\$	115,996	\$	70,370
MISC. NON-OPERATING REVENUE - RECEIPTS								
Merc. Job Const. Revenue	\$	1,377	\$	1.305	\$	1,410	•	4 440
Revenue/Raccoon Grant	\$	555,885	\$	277,325	\$	742	\$	1,440
Misc. Non-Operating Revenue	\$	5,171	\$	6,136	\$	24.072	\$	44.000
Employee Contribution	\$	21,060	\$	24,695	\$		\$	11,082
TOTAL NON-OPERATING REVENUE	\$	583,493	\$	309,461		29,640 55,864		37,185 49,707
TOTAL WATER REVENUE	\$	3,267,065	\$	3,015,510	\$	2,906,834	\$	2,708,470
	-		-					
EXPENDITURES								
SOURCE OF SUPPLY EXPENSE			_					
Supplies and Expenses	\$	16,851	\$	5,828	\$	18,474	\$	5,970
Maintenance of Mains SUBTOTAL	\$		\$		\$	(4)	\$	•
SOBIOTAL	\$	16,851	\$	5,828	\$	18,474	\$	5,970
POWER AND PUMPING EXPENSE								
Operation (Labor)	\$	29,035	\$	28,790	\$	28,196	\$	21,478
Supplies and Expenses		14,688	\$	12,325	\$	21,768	\$	13,068
Maint. & Improvement of Structures	\$ \$ \$	9,610	\$	12,291	\$	29,431	\$	21,077
Maint. Of Power & Pump Equipment	\$	7,567	\$	14,820	\$	28,408	\$	11,366
Power No. 23 Well	\$	673	\$	563	\$	711	\$	485
Power Softening Plant	\$	206,861	\$	211,282	\$	221,699	\$	218,170
Power South Wells & Collector Well	\$	36,611	\$	37,986	\$	36,525	\$	
Labor - Ranney Well	\$	2,652	\$	2,701	\$	2,739	\$	39,881
Power - Ranney Well	\$	51,325	\$	48,424	\$	47,803	\$	2,402 58,429
Power Booster Sta.	\$	12,370	\$	9,508	\$	12,870	\$	•
Power Raccon Twp.	\$	25,845	\$	16,974	\$	16,608	\$	12,387
#1 Tank Rd/Reservoir - Beaver County Jail	. \$	377	\$	260	\$			18,378
SUBTOTAL	\$	397,614	\$	395,924	\$	388 447,146	\$	196 417,316
DISDIFICATION AND LAD TWO					*	.,	₹	,010
PURIFICATION AND LAB EXPENSE								
Purification and Lab (Labor)	\$	192,461	\$	199,071	\$	160,601	\$	141,195
Water Testing	\$	15,044	\$	8,620	\$	8,017	\$	10,845
Purification and Lab Supplies	\$	164,068	\$	164,164	\$	157,446	\$	161,737
Maint. & Improvement of Structures (Labor)	\$	32,226	\$	38,037	\$	45,442	\$	30,789
Maint. Supervision Plant Equip. (Labor)	\$	102,503	\$	97,139	_\$	102,743	\$	93,872
SUBTOTAL	\$	506,302	\$	507,031	\$	474,249	\$	438,439

EXPENSES									
Operation Supplies and Expense	\$	7,791	\$	5,692	\$	4,706	\$	12,426	
Operation Lines, Hydrants, & Strg - (Labor)	\$	12,497	\$	5,965	\$	10,241	\$	2,362	
Service on Customer Premises	\$		\$	*	\$		\$		
Maintenance Supervision (Labor)	\$	113,839	\$	110,587	\$	111,114	\$	125,867	
Maint. Of Mains (Labor)	\$	131,823	\$	163,490	\$	71,257	\$	251,207	
Maint. Of Service Lines (Labor)	\$	122,511	\$	67,400	\$	89,421	\$	108,601	
Maintenance of Meters (Labor)	\$	15,340	\$	17,592	\$	6,006	\$	46,487	
Maint. Of Hydrants (Labor)	\$	14,510	\$	8,878	\$	2,676	\$	15,098	
Capital Improvement	\$	- 1,010 -	\$	-	\$	2,070	s.	(18,040)	
Capital Improvements - Raccoon	\$	602,312	\$	201,384	\$	75 20	\$	(10,040)	
Maintenance of Structure	\$	4,393	\$	2,704		E 044	,		
SUBTOTAL	\$ S	1,025,016	\$	583,692	= <u>\$</u> \$	5,844 301,265	\$	41,739	
SUBTUTAL	Φ	1,025,016	Φ	363,692	Ф	301,200	\$	585,748	
DENTSTRUCKS AND FOURMENT									
RENTS/TRUCKS AND EQUIPMENT	_		_		_		_		
Rents	\$	200	\$	400	\$	200	\$	2,400	
Trucks and Equip. (Labor)	\$	80,014	\$	70,363	\$	50,098	\$	111,270	
Equipment	\$	17,924	\$	2,981	\$	*	\$	*	
SUBTOTAL	\$	98,138	\$	73,744	\$	50,298	\$	113,670	
CUSTOMER ACCTG. & COLLTG. EXPENSE									
Cust. Orders, Meter Reading (Labor)	\$	89,042	\$	86,900	\$	85,773	\$	72,828	
Customer Billing & Accounting (Labor)	\$	41,101	\$	42,012	\$	46,499	\$	47,999	
Miscellaneous Exp.	\$	558	\$,	\$	10,100	\$	- 1000	
SUBTOTAL	\$	130,701	\$	128,912	-\$	132,272	\$	120,827	
	•	100,701		120,012	Ψ	102,212	Ψ	120,027	
GENERAL & ADMINISTATION EXPENSE									
Salaries of General Officer	•	0.770	•	0.770	•	0.540	•	0.770	
	\$	2,779	\$	2,779	\$	2,510	\$	2,779	
Other General Office Salaries	\$	124,653	\$	62,022	\$	93,684	\$	53,978	
Office Supplies and Expenses	\$	33,766	\$	34,258	\$	30,834	\$	34,348	
Real Estate Taxes/Sohn Road	\$	151	\$	215	\$	156	\$	159	
Auditor	\$	2,975	\$	4,100	\$	5,467	\$	3,259	
Engineering Retainer	\$	1,200	\$	1,200	\$	1,200	\$	1,000	
Engineering Expense	\$	35,778	\$	27,059	\$	29,498	\$	31,052	
Maintenance of Backwash	\$		\$		\$,	\$	(*)	
Insurance - PIRMA - Auto	\$	·	\$	(-)	\$	7-2	\$	2¥5	
Insurance - PIRMA - Gen. Liability	\$	33,170	\$	33,832	\$	80,037	\$	40,618	
Insurance - Workmen Comp.	\$	14,724	\$	21,101	\$	20,519	\$	17,162	
Insurance - Multi Peril	\$	10,375	\$	13,780		•			
Insurance Boiler	Φ		ą.	,	\$	18,373	\$	14,422	
	\$	3,480	\$	4,712	\$	6,283	\$	4,784	
Insurance - PIRMA - Public Officials	\$	5,096	\$	5,221	\$	6,961	\$	6,909	
Insurance - Auto Physical	\$	50 1874	\$	20	\$		\$	250	
Insurance	\$	2,401	\$ \$	2,769	\$	493	\$	2,956	
Employees Insurance and Pension	\$	395,994	\$	390,597	\$	461,206	\$	447,316	
Employees Salary Pension	\$	68,444	\$	61,497	\$	66,291	\$	68,392	
Miscellaneous General Expense	\$	25,687	\$	18,226	\$	20,666	\$	28,588	
Maintenance of General Property (Labor)	\$	21,162	\$	9,502	\$	47,457	\$	41,717	
Legal Fees/Arbitrator	\$	5 <u>2</u>	\$	4	\$	·	\$	740	
Solicitor	\$	10,225	\$	18,234	\$	14,055	\$	8,237	
SUBTOTAL	\$	792,060	\$	711,104	\$	905,690	\$	807,676	
	•	,02,000	*	,	Ψ	000,000	Ψ	010,100	
DEPRECIATION & INTEREST									
Depreciation	•	420,187	•	420.007	c	420 407	e		
1994 PENNVEST Loan No. 35098	*		\$	420,087	9	420,187	\$	0.00	
	Ď	484	\$	270	\$	60	\$		
ESB Line of Credit	***		\$		\$		\$		
2013 Bond Issue Principal	\$		\$		\$		\$	8€3	
2003 Bond Issue Interest		246,120	\$	229,125	\$	229,125	\$		
2001 PENNVEST Loan No. 88002	\$	82,636	. \$	76,011	_\$	69,153	\$		
SUBTOTAL	\$	749,427	\$	725,493	\$	718,525	\$	•	
DEBT SERVICE AND PRINCIPAL									
ESB Line of Credit	\$	19 74	a \$	¥ 62	- \$	¥	\$		
2013 Bond Issue Principal	\$		- \$		- \$	-	\$	2561	
2003/1998 Bond Issue Principal	\$		• \$	# 23	- \$		\$		
2001 PENNVEST Loan No. 88002	\$	~ :7	\$	a 9	- J	÷	¢.	120	
	_		-		-		φ	4 405 155	3
TOTAL DEBT SERVICE AND PRINCIPAL	\$	# :	\$	* 3	-∵\$	=	\$	1,195,429	
TOTAL MATER EVENOES	_	0.740.400		0.404 ====	_	0.049.010	-		
TOTAL WATER EXPENSES		3,716,109	\$	3,131,728	\$	3,047,919	_\$	3,685,075	
NET WATER INCOME	\$	(449,044)	\$	(116,218)	\$	(141,085)	\$	(976,605)	
							-		

HISTORIC SEWER BUDGET COMPARISON 2011 - 2014 (1)

OFWED DED A DESCRIP								
SEWER DEPARTMENT		2011		2012		2013		2014
REVENUES		ACTUAL		ACTUAL		ACTUAL		ACTUAL
METERED SALES - BILLING								
Metered Sales - Domestic	\$	722,583	\$	893,393	\$	908,930	\$	807,789
Metered Sales - Commercial	\$	137,731	\$	167,637	\$	202,480	\$	191,145
Metered Sales - Industrial	\$	12,581	\$	18,802	\$	27,940	\$	31,457
Sales to Public	\$	94,892	\$	128,378	\$	143,111	\$	163,047
SUBTOTAL	\$	967,787	\$	1,208,210	\$	1,282,461	\$	1,193,439
OTHER SEWER SALES-RECEIPTS						-		
No Name on Old System							•	
Sales to Public Authorities	\$	376,502	\$	455,082	\$	470,634	\$ \$	470,138
SUBTOTAL	\$	376,502	\$	455,082	\$	470,634	\$	470,138
		,	,	,	•	,	*	110,100
MISCELLANEOUS REVENUE-RECEIPTS								
Customer Penalties	\$	30,145	\$	36,787	\$	41,707	\$	39,678
Miscellaneous	\$	10.000	\$	= 2	\$	-	\$	ž.,
Sewer-Taps Employee Contribution	\$ \$	19,680 4,680	\$	8,243	\$	-	\$	4,596
SUBTOTAL	- \$	54,505	- \$	5,060 50,090	\$	5,070 46,777	- \$	6,870
OSTOTAL	Ψ	34,503	Ψ	50,090	Ψ	40,777	Þ	51,144
SEWER REVENUE TOTAL	\$	1,398,794	\$	1,713,382	\$	1,799,872	\$	1,714,721
					-			
EXPENDITURES								
SOURCE OF SUPPLY EXPENSE	•	00.400	•	00.000			_	
Maintenance of Sewer Lines (Labor) Capital Improvements	\$ \$	39,192	\$	30,360	\$	39,090	\$	23,223
SUBTOTAL	\$	39,192	\$	30,360	-\$	39,090	\$	29,637 52,859
	•	00,102	*	00,000	Ψ	05,050	Ψ	32,059
POWER AND PUMPING EXPENSE								
Operation (Labor)	\$	11,819	\$	13,388	\$	11,112	\$	30,280
Power - S.T.P. N.Beaver-Thompson	\$	41,197	\$	35,267	\$	36,017	\$	30,703
Power - S.T.P./Pump Station	\$	1,964	\$	1,483	\$	1,374	\$	1,132
Power - Wye Pump Station Power - Golf Pump Station	\$	41,729	\$	35,990	\$	36,938	\$	36,009
Power - Steel Street Pump Station	\$ \$	2,852 745	\$	1,905 739	\$	2,104	\$	2,010
Power - Jail Pump Station	\$	1,403	\$	1,230	\$	735 1,340	\$	859
Supplies and Expense/Pumping	\$	13,936	\$	9,703	\$	10,655	\$ \$	1,242 12,258
Pumping Maint. Supervision (Labor)	\$ \$	2,183	\$	149	\$	142	\$	12,200
Maint. Of Equipment	\$	15,649	\$	14,794	\$	13,082	\$	10,900
Maint. Of Pump Stations (Labor)	\$	16,782	\$	13,575	\$	14,100	\$	10,606
SUBTOTAL	\$	150,259	\$	128,223	\$	127,599	\$	135,998
TOPATHENT AND LAD EVOPNOR								
TREATMENT AND LAB EXPENSE Operation Supervision (Labor)	œ	00.044		E4.054	•	00 504	•	
Lab (Labor)	\$ \$	82,844 72,038	\$	54,951	\$	20,581	\$	22,216
Tests	\$	7,882	\$	72,128 11,670	\$ \$	83,394 12,269	\$	93,571
Lab Supplies	\$	62,064	\$	57,079	\$	46,067	\$ \$	9,985 43,766
Maintenance Supervision-Treatment (Labor)	\$	-	\$	170	\$	42	\$	43,700
Maint. & Improvement of Structures	\$	1,654	\$	176	\$	742	\$	212
Maint. Of Treatment Plant Equipment	\$	80,194	\$	42,935	\$	37,674	\$	21,550
Clarifire Repairs							\$	0.E
Drying Bed Maint. & Disposal	\$	23,842	\$	21,707	\$	7,483	_\$_	30,130
SUBTOTAL	\$	330,518	\$	260,816	\$	208,252	\$	221,429

RENTS/TRUCKS AND EQUIPMENT						
Trucks and Equipment	\$ 12,524	\$	16,244	\$	11,188	\$ 11,456
Equipment (vehicle)	\$ 	\$	<u> </u>	\$	20	\$ (<u>=</u>)
SUBTOTAL	\$ 12,524	\$	16,244	\$	11,188	\$ 11,456
EXPENSE						
Customer Orders, Meter Reading (Labor)	\$ 66,659	\$	68,635	\$	65,352	\$ 54,415
Customer Billing and Accounting (Labor)	\$ 28,141	\$	30,844	\$	31,803	\$ 33,451
SUBTOTAL	\$ 94,800	\$	99,479	\$	97,155	\$ 87,866
GENERAL & ADMINISTRATION EXPENSES						
Other General Office Salaries	\$ 80,269	\$	46,401	\$	58,345	\$ 49,832
Office Supplies Expense	\$ 27,101	\$	29,639	\$	38,174	\$ 32,291
Auditor	\$ 6,775	\$	5,650	\$	6,233	\$ 6,325
Engineers Retainer	\$ 1,200	\$	1,200	\$	1,200	\$ 1,000
Engineers Expense	\$ 7,560	\$	8,990	\$	9,520	\$ 9,533
Insurance - PIRMA - Auto	\$ 100 m	\$	943	\$	·	\$ (=);
Insurance - PIRMA - Gen. Liability	\$ 2,582	\$	22,555	\$	30,073	\$ 3,114
Insurance Workmens Comp.	\$ 11,792	\$	14,067	\$	13,679	\$ 11,902
Insurance - Multi - Peril	\$ -	\$	1 5	\$	9 4 00	\$ (= 0)
Insurance - Boiler	\$ 870	\$	1,178	\$	1,571	\$ 1,196
Insurance - Auto Physical	\$ -	\$	200	\$	-	\$ 160
Insurance	\$ 12,613	\$	16,249	\$	18,467	\$ 17,078
Employees Insurance and Pension	\$ 139,573	\$	139,730	\$	102,094	\$ 94,236
Employees - Salary Pensions	\$ 24,973	\$	20,591	S	18,928	\$ 17,509
Miscellaneous General Expense	\$ 2,905	\$	3,227	\$	2,510	\$ 1,480
Maintenance of General Property (Labor)	\$ 21,697	\$	26,660	\$	20,489	\$ 8,817
Solicitor	\$ 3,575	\$	3,900	\$	3,900	\$ 4,155
SUBTOTAL	\$ 343,485	\$	340,037	\$	325,183	\$ 258,467
DEPRECIATION & INTEREST						
Depreciation	\$ 152,666	\$	152,666	\$	152,798	\$
Interest Expense - PENNVEST	\$ 546	\$	-	\$.	\$
Interest Expense on Bonds	\$ · ·	\$	9 4 97	\$		\$
Loan Interest - ESB	\$ •	\$	3	\$	9	\$
1992 PENNVEST Loan No. 72027	\$ 516	\$	90	\$	54	\$
SUBTOTAL	\$ 153,182	\$	152,756	\$	152,798	\$ 132,825
SEWER EXPENSE TOTAL	\$ 1,123,960	\$_	1,027,915		961,265	\$ 900,901
TOTAL NET SEWER REVENUE	\$ 274,834	\$	685,467	\$	838,607	\$ 813,820

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2014 BUDGET SUMMARY

EXPENSES (1)

	IXEVERTOLO	DXII EITOEO	HET INCOME / (ECCO)
WATER	\$2,708,470	\$2,489,646	\$218,824
SEWER	\$1,714,721	\$768,076	\$946,646
	\$4,423,191	\$3,257,722	\$1,165,469
DEBT SERV	/ICES: Service Payments		2014 Payments \$1,328,254
	TOTAL ANN	IUAL DEBT SERVICE PAY	MENT \$1,328,254

TOTAL ANNUAL DEBT SERVICE COVERAGE (3) \$101,262

NET REVENUE (2) \$1,165,469

2014 BUDGETED COVERAGE FACTOR 0.82

REQUIRED COVERAGE FACTOR 1.10

NET INCOME / (LOSS)

REVENUES

⁽¹⁾ Excludes Depreciation and Debt Service

⁽²⁾ Includes Net Income/(Loss) plus Debt Service Coverage

⁽³⁾ Debt Service Coverage for Bond Issue based on 2015 budget

WATER DEPARTMENT		2015 BUDGET
REVENUES		BODGET
METERED SALES		
Metered Sales - Domestic	\$	1,750,000
Metered Sales - Commercial Metered Sales - Industrial	\$	323,400
SUBTOTAL	\$	324,505 2,397,905
OUDITOTAL	Ψ	2,351,503
FIRE PROTECTION		
Private Fire Protection	\$	17,000
Public Fire Protection	\$	200,000
SUBTOTAL	\$	217,000
OTHER WATER SALES		
Sales to Public Authorities	\$	40,000
SUBTOTAL	\$	40,000
MISC. REVENUE	æ	FF 000
Customer Penalties Miscellaneous Water Revenue	\$ \$	55,000
Water Tap Fees	\$	-
Turn on Charges & NSF Charge	\$	6,000
SUBTOTAL	\$	61,000
MISC. NON-OPERATING REVENUE	•	
Revenue from Merc. Job C Interest Revenue	\$	-
Misc. Non-Operating Revenue	\$ \$	10,000
Employee Contribution	\$	41,600
SUBTOTAL	\$	51,600
		,
TOTAL WATER REVENUE	\$	2,767,505
EXPENSES		
POWER AND PUMPING		
Outside Services	\$	10,000
Maint. Of Structures and Improvements	\$	25,000
Maint. Of Power and Pumping	\$ \$	25,000
Utility - Power - Wells	\$	1,000
Utility - Power - Collector Well	\$ \$ \$	40,000
Utility - Power - Ranney Well	\$	60,000
Utility - Power - Booster Station Utility - Power - Raccoon Township	\$	16,000
SUBTOTAL	\$	21,000 198,000
	•	100,000
PURIFICATION AND LAB		
Operations Salaries - Regular	\$	270,000
Operations Salaries - Overtime	\$	1 - 000
Water Testing Supplies - Salt	\$	15,000
Supplies - Chlorine	***	145,000 18,000
Outside Services	\$	5,000
Maint. Of Structures and Improvements	\$	30,000
Maint. Of Equipment	\$	30,000
Maint. Of Backwash	\$	2,500
Utility - Power	\$	230,000
Utility - Gas	\$	1,200
SUBTOTAL	Ф	746,700
TRANSMISSION AND DISTRIBUTION		
Operations Salaries - Regular	\$	315,000
Operations Salaries - Overtime	\$	1
Outside Services	\$	5,000

Maint. Of Lines	œ.	150,000
	\$	150,000
Maint. Of Meters	\$	10,000
Maint. Of Hydrants	\$	10,000
Maint. Of Structures and Improvements	\$	30,000
SUBTOTAL	\$	520,000
VEHICLES AND EQUIPMENT		
Purchase	\$	25,000
Rentals	\$	2,000
Outside Services	\$	12,000
Maintenance	\$	25,000
Fuel	\$ \$ \$	15,000
SUBTOTAL	\$	79,000
GENERAL ADMINISTRATION		
Board Salaries	\$	1,500
Manager / Office Salaries - Regular	\$	135,000
Manager / Office Salaries - Overtime	¢ c	100,000
Unemployment / SUI	¢.	4 200
• •	φ	4,200
Social Security / FICA	Þ	7,200
Office Supplies and Expenses	\$	20,000
Real Estate Taxes / Sohn R	\$	225
Auditor	\$	6,000
Solicitor - Retainer	\$	3,600
Solicitor - Expenses	\$	9,000
Engineering Retainer	****	1,200
Engineering Expenses	\$	30,000
Insurance - Auto	\$	6,000
Insurance - General Liability	\$	27,000
Insurance - Workmen's Compensation	\$	12,000
Insurance - Multi Peril	Š	9,000
Insurance - Boiler	¢	3,600
Insurance - Public Officials	ę.	4,200
	ψ.	
Insurance - Property / Equipment	Φ	12,000
Hospitalization / Health Insurance	\$ \$ \$	360,000
Retirement	2	36,000
Misc. General Expenses	\$	10,000
Maint. Of Property	\$	6,000
Utilities - Power	\$ \$	2,880
Utilities - Telephone	\$	3,600
Utilities - Gas	\$	2,160
Utilities - Cellular	\$	2,160
Uniforms / Clothing Allowance	\$	1,200
Postage	\$	4,200
Dues, Memberships, Subscriptions	\$	900
Software	\$	7,200
Office Equipment	\$	3,000
Travel and Education	\$	1,500
SUBTOTAL	\$	732,525
	•	102,020
CAPITAL IMPROVEMENTS		
Capital Improvements	\$	
Capital Improvements - Raccoon	\$	-
SUBTOTAL	<u> </u>	
SUBTUTAL		· ·
DEDT OFFILIAGE		
DEBT SERVICE	2400	
2013 Bond Issue	\$	194,324
2003/1998 Bond Issue	\$	688,743
Debt Service Coverage	\$	88,307
2001 Pennvest Loan No. 88002	\$ \$ \$ \$ \$	284,302
ESB 2011 Chevy Truck Loan	\$	6,504
ESB 2011 Ford Truck Loan	\$	4,607
ESB 2013 Ford Truck Loan	\$	2,278
SUBTOTAL	\$	1,269,065
	•	
TOTAL WATER EXPENSES	\$	3,545,290
		-,,
2		
NET WATER INCOME	\$	(777,785)
		1.1.1100/

SEWER DEPARTMENT		2015
REVENUES		BUDGET
METERED SALES		
Metered Sales - Domestic	\$	800,000
Metered Sales - Commercial	\$	190,000
Metered Sales - Industrial	\$ \$ \$	30,000
Sale to Public Agencies	\$	150,000
SUBTOTAL	\$	1,170,000
PUBLIC FIRE		
Sales to Public Authority (Hopewell)	\$	470,000
SUBTOTAL	\$	470,000
MISC. REVENUE		
Customer Penalties	\$	35,000
Sewer Tap Fees	\$	
Employee Contribution	\$	13,000
SUBTOTAL	\$	48,000
TOTAL SEWER REVENUE	\$	1,688,000
	8	
EXPENSES		
COLLECTION SYSTEM		
Operation Salaries - Regular	\$	45,000
Operation Salaries - Overtime	\$	**
Outside Services	\$ \$	10,000
Maint. Of Collection System	\$	45,000
SUBTOTAL	\$	100,000
TREATMENT PLANT AND PUMP STATIONS		
Operation Salaries - Regular	\$	90,000
Operation Salaries - Overtime	* * * * * * *	370
Testing / Sampling	\$	10,000
Tools and Supplies	\$	15,000
Chlorine	\$	12,000
Outside Services	\$	5,000
Maint. Of Structures	\$	1,000
Maint. Of Plant Equipment	\$	25,000
Maint. Of Pump Stations	\$	50,000
Sludge Processing Maintenance	\$	5,000
Sludge Disposal	\$	10,000
Utilities - Power - Rus LS	\$	1,500
Utilities - Power - Wye LS	\$	40,000
Utilities - Power - Golf Course LS	\$ \$ \$ \$ \$ \$ \$ \$	2,500
Utilities - Power - Steel Street LS	\$	1,000
Utilities - Power - Jail LS	\$	1,500
Utilities - Power - Treatment Plant	\$	41,000
Utilities - Gas - Treatment Plant	\$	18,000
SUBTOTAL	\$	328,500

VEHICLES AND EQUIPMENT

Durchases	•	
Purchases	\$	
Rentals	\$	500
Outside Services	\$ \$	8,000
Maintenance	\$	7,000
Fuel	\$	10,000
SUBTOTAL	\$	25,500
GENERAL ADMINISTRATION		
Board Salaries	\$	1,500
Manager / Office Salaries - Regular	φ Ψ	90,000
Manager / Office Salaries - Overtime	ψ Ψ	90,000
Unemployment / SUI	φ Ψ	1 400
Social Security / FICA	Φ Φ	1,400
Office Supplies and Expenses	****	2,250
Auditor	Φ	40,000
Solicitor - Retainer	Φ	4,000
Solicitor - Expenses	φ Φ	3,600
•	Þ	6,000
Engineering Retainer	ቅ ው	1,200
Engineering Expenses	Þ	10,000
Insurance - Auto	Þ	4,000
Insurance - General Liability	\$	18,000
Insurance - Workmen's Compensation	\$	8,000
Insurance - Multi Peril	\$	6,000
Insurance - Boiler	\$	2,400
Insurance - Public Officials	\$	2,800
Insurance - Property and Equipment	\$	8,000
Hospitalization / Health Insurance	\$	240,000
Retirement / Pension	\$	11,250
Misc. General Expenses	\$	2,500
Maint. Of Property	\$	4,000
Utilities - Power 50/50	\$	1,920
Utilities - Telephone	\$	2,400
Utilities - Gas	\$	1,440
Utilities - Cellular	\$	1,440
Uniforms / Clothing Allowance	\$	800
Postage	\$	2,800
Dues, Memberships, Subscriptions	\$	600
Software	\$	4,800
Office Equipment	\$	2,000
Travel and Education	\$	1,000
SUBTOTAL	\$	486,100
CARITAL IMPROVEMENTS		
CAPITAL IMPROVEMENTS Capital Improvements	æ	
SUBTOTAL		
DEBT SERVICE COVERAGE		
2013 Bond Issue	\$	129,549
Debt Service Coverage	\$	12,955
ESB 2013 Ford Truck Loan	\$	2,278
SUBTOTAL	\$	144,782
TOTAL OFWED EVENIONS	_	
TOTAL SEWER EXPENSES	\$	1,084,882
NET SEWER INCOME	\$	603,118
	. <u> </u>	550,110

2015 BUDGET SUMMARY

	RE	VENUES	E	X	PENSES (1)		NET I	NCOM	E / (LOSS)	
WATER	\$	2,767,505	\$	6	2,276,225			\$	491,280	
SEWER	\$	1,688,000	\$	<u> </u>	940,100			\$	747,900	
	\$	4,455,505	\$	5	3,216,325			\$	1,239,180	
DEBT SERVICES 2013 Bond Issue 2003/1998 Bond I 2001 Pennvest Lo ESB 2011 Chevy ESB 2011 Ford Tr ESB 2013 Ford Tr	ssue oan No Truck ruck Le	Loan oan						20° \$ \$ \$ \$ \$	323,873 688,743 284,302 6,504 4,607 4,557	
	тоти	AL ANNUAL DEB	T SERVI	CE	PAYMENT			\$	1,312,586	
т	OTAL	ANNUAL DEBT	SERVICE	E C	OVERAGE			\$	101,262	
			NET	r R	EVENUE (2)			\$	1,340,442	
	2	2015 BUDGETED	COVERA	٩G	E FACTOR				1.02	
		REQUIRED	COVERA	٩G	E FACTOR				1.10	

⁽¹⁾ Excludes Debt Service and Debt Service Coverage (2) Includes Net Revenue/(Loss) plus Debt Service Coverage

MUNICIPAL WATER AUTHORITY OF ALIQUIPPA

Year 2015/2016 - Schedule of Insurance

POLICY	% WATED	%	PREMIUM	DATE
	WATER	SEWER	AMOUNT	
Pirma-Auto (Liability)	60	40	\$ 6487.00	10/19/15 – 10/19/16
Pirma-Public Officials (Liability)	60	40	\$ 6681.00	10/19/15 - 10/19/16
Pirma-General Liability	60	40	\$ 71,826.00	10/19/15 - 10/19/16
H.A.R.I.E. Workers Compensation	60	40	\$ 48767.00	08/01/15 ~ 08/31/16
Ameri-Group Multi-Peril Hicks Heim Mustio HH Policy No. CAP-5153905	60	40	\$ 37,643.00	07/05/15 - 07/05/18
Cincinnati Ins. Co. Policy No. BEP2667664	60	40	\$ 4,518.00	07/05/15 - 07/05/18
H.A. Thompson Risk Management Services Inland Marine and Auto Physical Damage	60	40	\$ 5,363.00	10/19/15 — 10/19/16

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