VOLUME 9

PENNSYLVANIA-AMERICAN WATER COMPANY

2022 GENERAL BASE RATE CASE R-2022-3031672 (WATER) R-2022-3031673 (WASTEWATER)

STATEMENT NO. 10 - DIRECT TESTIMONY OF CHARLES REA

EXHIBITS NO. 10-A THROUGH 10-F AND CBR-1 THROUGH CBR-9 ON PROPOSED RATE DESIGN, WATER AND WASTEWATER SERVICE AFFORDABILITY ANALYSIS, DECLINING USAGE ANALYSIS, REVENUE RATE APPLICATION FOR ALL WATER AND WASTEWATER OPERATIONS, AND REVENUE STABILIZATION MECHANISM

PAWC STATEMENT NO. 10

DIRECT TESTIMONY OF CHARLES REA

WITH REGARD TO PENNSYLVANIA-AMERICAN WATER COMPANY'S

RATE DESIGN PROPOSALS, AFFORDABILITY ANALYSES, LOW-INCOME DISCOUNT TARIFF PROPOSAL, CUSTOMER USAGE AND DECLINING USE ANALYSES, REVENUE CALCULATIONS AND PROJECTIONS, AND REVENUE STABILIZATION MECHANISM PROPOSAL

DOCKET NOS. R-2022-3031672 (WATER) R-2022-3031673 (WASTEWATER)

DATE: April 29, 2022

PENNSYLVANIA-AMERICAN WATER COMPANY

DIRECT TESTIMONY OF CHARLES REA

1 Q. What is your name and business address?

2 A. My name is Charles B. Rea. My business address is 5201 Grand Avenue, Davenport, IA.

3 Q. By whom are you employed and in what capacity?

A. I am employed by American Water Works Service Company, Inc. ("AWWSC" or "Service
Company") as Senior Director, Rates & Regulatory. I am providing testimony on behalf
of Pennsylvania-American Water Company ("PAWC" or the "Company").

7 Q. Please summarize your educational background and professional experience.

8 I received a Bachelor of Arts degree in Computer Science from the University of Illinois A. 9 at Springfield in 1986 and a Master's degree in Statistics and Operations Research from 10 Southern Illinois University at Edwardsville in 1990. I have been employed by AWWSC 11 since January 2018. Previous to my employment with AWWSC, I was employed by 12 MidAmerican Energy Company from June 1990 through January 2018. I have over thirty 13 years of utility experience covering a wide range of issues including electric system 14 planning, sales and revenue forecasting, electric load research, marketing, rates, cost of 15 service, and energy efficiency. Most recently at MidAmerican, I was Director, Energy 16 Efficiency and Regulatory Analytics. In that position I had responsibility for planning, 17 evaluation, and operational management of MidAmerican's energy efficiency and demand 18 response programs in Illinois, Iowa, and South Dakota, as well as direct responsibility for 19 electric and natural gas sales and revenue forecasting, electric peak demand forecasting, 20 load research, retail pricing of electric and natural gas products, and electric and natural 21 gas cost of service and rate design.

Q. What are your current employment responsibilities?

2 A. My primary responsibility in my role as Senior Director, Rates and Regulatory is to serve 3 as a subject matter expert on rate design, revenue issues, and affordability issues. I am 4 responsible for the development and preparation of rate design analyses, as well as 5 presenting cost of service and rate design proposals to our internal and external 6 stakeholders. In addition, I am the Company's subject matter expert on forecasting and the 7 statistical analysis of customer usage for rate case purposes and I am the Company's 8 subject matter expert on the analysis of the affordability of the Company's water and 9 wastewater service to its customers.

10

Q. What is the purpose of your direct testimony?

11 A. I will sponsor the Company's proposed rate design for both water and wastewater service 12 and will provide calculations and evidence necessary to support the Company's proposed 13 rates. I will also present the Company's affordability analyses for water and wastewater service. I further present the Company's analysis of residential, commercial, and public 14 15 authorities' water consumption as it relates to the impact of the COVID-19 pandemic on 16 water usage and long-term trends in water usage. I further present the Company's 17 determination of Test Year revenues at Present Rates and Proposed Rates. Finally, I present 18 the basis and rationale for the Company's proposed Revenue Stabilization Mechanism 19 ("RSM").

20

Q. Please identify the exhibits you will sponsoring in this proceeding.

A. I am sponsoring the following Company Exhibits attached to my testimony:

22

- Exhibit CBR-1 Proposed Water Rate Design
- Exhibit CBR-2 Proposed Wastewater Rate Design

1		• Exhibit CBR-3 – Water Service Affordability Analysis				
2		• Exhibit CBR-4 – Wastewater Service Affordability Analysis				
3		• Exhibit CBR-5 – Residential Usage Analysis				
4	• Exhibit CBR-6 – Commercial Usage Analysis					
5		• Exhibit CBR-7 – Municipal Usage Analysis				
6		• Exhibit CBR-8 – NARUC Resolution				
7		• Exhibit CBR-9 – RSM Projected Results				
8		I also am sponsoring Exhibit Nos. 10-A through 10-F, which set forth the proof of revenues				
9		from the application of present and proposed rates for each system.				
10	Q.	How is your Direct Testimony organized?				
11	A.	My Direct Testimony is organized into the following sections:				
12		• Rate Design				
13		Affordability / Low Income				
14		Analysis of PAWC Water Consumption				
15		Revenue Calculations				
16		Revenue Stabilization Mechanism				
17		RATE DESIGN				
18	Q.	Do you sponsor exhibits that provide the Company's complete proposed rate design				
19		in this case?				
20	А.	Exhibits CBR-1 and CBR-2 provide the Company's proposed rate design for water and				
21		wastewater service in this case, which are based on the current rate design as modified by				
22		the proposals discussed below.				

1		WATER RATE DESIGN
2	Q.	Please describe the Company's current tariff structure for water service.
3	А.	The Company currently offers water service in seven different rater zones. These rate
4		zones are as follows:
5		• Rate Zone 1 – General Statewide Rate
6		• Rate Zone 2 - Winola
7		• Rate Zone 3 - McEwensville
8		• Rate Zone 4 - Turbotville
9		• Rate Zone 5 – Steelton
10		• Rate Zone 6 – Valley
11		• Rate Zone 7 – SLIBCO
12		The largest of these rate zones by far is Rate Zone 1, with over 99% of the Company's total
13		water revenue.
14	Q.	Please describe the Company's current rate structure for these tariffs for residential
15		and nonresidential customers in Rate Zone 1.
16	А.	The Rate Zone 1 tariff offers service to all residential and nonresidential customer classes
17		through a monthly fixed charge that varies with the size of the meter (identified in PAWC's
18		water tariff as a "service charge") and volumetric rates (identified in PAWC's water tariff
19		as "consumption charges"). There are separate rate structures for each customer class.
20		• The residential water service charge for most customers is \$17.50 per month for a
21		$5/8$ ", $\frac{3}{4}$ ", 1" and 1 $\frac{1}{2}$ " meter, and the service charge increases with the size of the
22		meter beginning with 2" meters. A single volumetric rate of \$1.3100 per hundred
23		gallons applies to all residential customers.

The commercial water service charge begins at \$17.50 per month for a 5/8" meter,
 and the service charge increases with the size of the meter beginning with ³/₄"
 meters. A two-block volumetric rate applies to commercial customers of
 \$1.3100 per hundred gallons for the first 16,000 gallons per month and \$0.9643 per
 hundred gallons for usage over 16,000 gallons per month.

- The municipal water service charges are the same as the commercial service
 charges, but the volumetric rates are different. A two-block volumetric rate applies
 to municipal customers of \$1.4742 per hundred gallons for the first 16,000 gallons
 per month and \$0.8705 per hundred gallons for usage over 16,000 gallons per
 month.
- 11 The industrial water service charge begins at \$25.40 per month for a 5/8" meter, 12 and the service charge increases with the size of the meter beginning with 13 ³/₄" meters. A three-block volumetric rate applies to industrial customers of 14 \$1.2277 per hundred gallons for the first 16,000 gallons per month, \$0.9341 per 15 hundred gallons for the next 584,000 gallons of usage per month, and \$0.7348 per 16 hundred gallons for usage over 600,000 gallons per month. In addition, the 17 Company offers industrial curtailment rates that are identical to those described above but with an additional rate step of \$0.4487 per hundred gallons for all usage 18 19 above 15,000,000 gallons per month and the requirement that the customer meet 20 specified requirements to qualify for the rate, such as a minimum monthly purchase 21 volume, a minimum load factor and on-site water storage for industrial (non-fire 22 protection) use during periods of curtailment.

The Sales to Other Water Utilities service charge begins at \$25.50 per month for a
 5/8" meter, and the service charge increases with the size of the meter beginning
 with ³/₄" meters. The volumetric rates for Group A service is \$0.7219 per hundred
 gallons for all water service and the volumetric rate for Group B service is \$1.1300
 per hundred gallons for all water service.

6 Q. Does the Company have special rates for larger customers?

A. The Company offers a limited number of special rates designed to retain and attract the
load of larger customers in Rate Zone 1 that have competitive alternatives to service from
the Company. Currently, the Company has customers that are served on two of those rates:
the Demand-Based Industrial Service ("DIS") rate and the Demand-Based Resale Service
("DRS") rate.

12 Q. Does the Company offer fire protection service?

A. Yes. The Company offers both public and private fire protection service. Public fire protection rates are based on a monthly hydrant fee that varies depending on where in the service territory the service is offered and the vintage of the rates. These rates are subject to the requirement that revenues from fire hydrants can be no more than 25% of the calculated cost of service for public fire service. Private fire service rates are also offered and are generally based on the size of the service line used in providing the service. Service is offered on both a metered and an unmetered service basis.

Q. Please describe the Company's current rate structures in the other pricing zones where water service is offered.

A. In zones other than Rate Zone 1, the Company's rate structures are as follows:

- Rate Zone 2 (Winola): All service currently is offered as unmetered service. The
 unmetered service rate is \$33.23 per month.
- Rate Zone 3 (McEwensville): Service in Rate Zone 3 is offered to all customers
 through a monthly service charge that varies with the size of the meter and
 volumetric rates. Service charges are identical to Rate Zone 1. Volumetric rates
 feature a single volumetric charge of \$0.8983 per hundred gallons applicable to all
 usage for all customers.
- Rate Zone 4 (Turbotville): Service in Rate Zone 4 is offered to all customers
 through a monthly service charge that varies with the size of the meter and
 volumetric rates. Service charges are identical to Rate Zone 1. Volumetric rates
 feature separate volumetric charges for residential service, nonresidential service,
 and municipal service. The residential rates and municipal rates are the same as
 those for Rate Zone 1. The nonresidential rate is \$0.8983 per hundred gallons.
- 14 Rate Zone 5 (Steelton): Service in Rate Zone 5 is offered to all customers through a monthly service charge that varies with the size of the meter and volumetric rates. 15 16 Service charges are 20.69 for 5/8" through 1 $\frac{1}{2}$ " meters and escalate for larger 17 meter sizes above $1\frac{1}{2}$ ". Volumetric rates are offered through a stepped rate that 18 features a first block allowance at no charge for the first 1,700 gallons of use per 19 month, and a three-block volumetric rate beyond the initial allowance of \$1.1564 20 per hundred gallons for usage up to 20,000 gallons per month, \$1.2768 per hundred 21 gallons for the next 30,000 gallons of usage per month, and \$1.1032 per hundred 22 gallons for usage over 50,000 gallons per month.

1		• Rate Zone 6 (Valley): Service in Rate Zone 6 is offered to all customers through a
2		monthly service charge of \$28.12 for all customers, and a volumetric charge that
3		provides an allowance for the first 3,400 gallons of monthly usage at no additional
4		charge, and a volumetric rate of \$0.8400 per hundred gallons for all water used
5		above 3,400 gallons per month.
6		• Rate Zone 7 (SLIBCO): Service in Rate Zone 7 is offered to all customers through
7		service charges that increase with the size of the meter starting at \$63.55 for a 5/8"
8		and 2" meter and increasing to \$309.90 for a 8" meter. Volumetric rates for all
9		customers start at \$1.8940 per hundred gallons for the first 20,000 gallons of usage
10		per month, and drop to 1.6780 per hundred gallons for the next $80,000$ gallons of
11		usage, and \$1.3810 per hundred gallons for all usage above 100,000 gallons per
12		month
12		month.
12	Q.	Is the Company proposing consolidation of rate zones for water service in this case?
	Q. A.	
13		Is the Company proposing consolidation of rate zones for water service in this case?
13 14		Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing
13 14 15	A.	Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing to move its water rate zones to or toward Zone 1 water rates.
13 14 15 16	А. Q.	Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing to move its water rate zones to or toward Zone 1 water rates. Is the Company proposing to change the monthly service charges in this case?
13 14 15 16 17	А. Q.	Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing to move its water rate zones to or toward Zone 1 water rates. Is the Company proposing to change the monthly service charges in this case? Yes. The Company is proposing a \$20.00 monthly service charge for residential customers
 13 14 15 16 17 18 	А. Q.	Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing to move its water rate zones to or toward Zone 1 water rates. Is the Company proposing to change the monthly service charges in this case? Yes. The Company is proposing a \$20.00 monthly service charge for residential customers with 5/8" meters in Rate Zone 1 and in all other rate zones that the Company is proposing
 13 14 15 16 17 18 19 	А. Q.	Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing to move its water rate zones to or toward Zone 1 water rates. Is the Company proposing to change the monthly service charges in this case? Yes. The Company is proposing a \$20.00 monthly service charge for residential customers with 5/8" meters in Rate Zone 1 and in all other rate zones that the Company is proposing to move to Rate Zone 1 rates. This is a 14% increase over the current 5/8" service charge
 13 14 15 16 17 18 19 20 	А. Q.	Is the Company proposing consolidation of rate zones for water service in this case? Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing to move its water rate zones to or toward Zone 1 water rates. Is the Company proposing to change the monthly service charges in this case? Yes. The Company is proposing a \$20.00 monthly service charge for residential customers with 5/8" meters in Rate Zone 1 and in all other rate zones that the Company is proposing to move to Rate Zone 1 rates. This is a 14% increase over the current 5/8" service charge of \$17.50. Service charges for meter sizes above 5/8" and service charges for non-

Q. Is the Company proposing to change the rate structure associated with its volumetric rates?

A. The Company is not proposing to change the volumetric structure of its rates in Rate Zone
1, Rate Zone 3, Rate Zone 4, or Rate Zone 7. In Rate Zone 2 (Winola), the Company is
proposing to introduce volumetric rates consistent with the volumetric rate structures
offered in Rate Zone 1. In Rate Zone 5 (Steelton), the Company is proposing to eliminate
the first block allowance, and reduce the number of total rate steps from four (including
the allowance) to two. In Rate Zone 6 (Valley), the Company is proposing to eliminate the
first block allowance.

10

Q. What changes is the Company proposing to its water service rate design?

A. The Company is not proposing any significant changes to Rate Zone 1 rates other than
 the change in service charges I have previously described, and changes to the Company's
 proposed low-income tariff that I describe later in my testimony. For other Rate Zones,

14 the Company is proposing the following:

- Rate Zone 2 (Winola): The Company is proposing to move Rate Zone 2 water rates
 to Rate Zone 1 water rates in this proceeding. This will move rates in Winola from
 an unmetered rate of \$33.23 to a rate with a monthly service charge and a
 volumetric charge consistent with Rate Zone 1 rates.
- Rate Zone 3 (McEwensville): The Company is proposing to move Rate Zone 3
 water rates to Rate Zone 1 water rates in this proceeding. Service charges for these
 rate zones are already the same. The volumetric rate for Rate Zone 3 is proposed
 to be the same as the proposed residential volumetric rate for Rate Zone 1.

1		• Rate Zone 4 (Turbotville): The Company is proposing to move Rate Zone 4 water
2		rates toward Rate Zone 1 water rates in this proceeding. Service charges for these
3		rate zone are already the same. Volumetric rates for residential and municipal
4		service are also already the same. The nonresidential volumetric rate for Rate Zone
5		4 is proposed to be the same as the proposed first-step volumetric rate for Rate
6		Zone 1.
7		• Rate Zone 5 (Steelton): The Company is proposing to move monthly service
8		charges for Steelton customers to be consistent with Rate Zone 1 proposed rates
9		and to consolidate the number of rate blocks in Rate Zone 5 from four to two. This
10		will be done by eliminating the first step water allowance and equalizing volumetric
11		rates for the first two steps (zero usage up to 20,000 gallons per month) and the
12		second two steps (usage over 20,000 gallons per month).
13		• Rate Zone 6 (Valley): The Company is proposing, effective November of 2023, to
14		move monthly service charges for Valley customers to be consistent with service
15		charges under Rate Zone 1 proposed rates and to eliminate the first step water
16		allowance which will result in a single volumetric rate for all customers in Rate
17		Zone 6.
18		• Rate Zone 7 (SLIBCO): The Company is proposing to move Rate Zone 7 rates to
19		be consistent with Rate Zone 1 rates in this proceeding with the exception of service
20		charges for 6" and 8" meters, which will see increases but will be less than those
21		for Rate Zone 1 customers in order to limit rate impacts for these customers.
22	Q.	Please describe how the Company is proposing to allocate its proposed revenue
23		increase for water service to each customer class.

1	А.	The Company is proposing in this case to set water service rates based on the cost of service
2		studies sponsored by Company Witness Heppenstall. In addition, the Company is
3		proposing a reallocation of a portion of its wastewater revenue requirements to its water
4		service customers consistent with Act 11 of 2012, which I describe later in my testimony.
5	Q.	Do you have a schedule that shows the Company's current and proposed rate design
6		for water service?
7	A.	Yes. The Company's proposed rate design in this case for water service is provided in
8		Exhibit CBR-1.
9		WASTEWATER RATE DESIGN
10	Q.	Please describe the Company's current tariff structure for wastewater service.
11	A.	The Company provides wastewater service under a variety of different rate schedules and
12		in a variety of different rate zones. The categories of rate zones under which the Company
13		offers wastewater service are as follows:
14		• Sanitary Sewer Systems ("SSS"):
15		• Rate Zone 1: PAWC Statewide
16		• Rate Zone 2: New Cumberland
17		• Rate Zone 5: Franklin
18		 Rate Zone 7: Sadsbury
19		• Rate Zone 8: Turbotville
20		• Rate Zone 9: Exeter
21		• Rate Zone 11: Valley
22		• Foster Acquisition ¹

¹ Service to the Foster, Upper Pottsgrove, and York Acquisitions will commence once these transactions have closed.

1		• Combined Sewer Systems ("CSS"):					
2		• Rate Zone 3: Scranton					
3		• Rate Zone 4: Kane					
4		• Rate Zone 6: McKeesport					
5		• Rate Zone 10: Royersford					
6		• Upper Pottsgrove Acquisition					
7		York Acquisition					
8	Q.	Please describe the Company's current rate structures in its SSS rate zones.					
9	А.	All of the rate structures in the SSS rate zone group are similar with a single residential					
10		service charge and a separate service charge and volumetric rate for nonresidential					
11		customers. The volumetric rates are based on metered water usage. Unmetered service is					
12		also provided. Service charges are identical for all rate zones except for Rate Zone 11					
13	(Valley), but differences exist in volumetric charges and unmetered charges.						
14	Q.	Q. Please describe the Company's current rate structures in its CSS rate zones.					
15	A.	The rate structures differ for the three rate zones in the CSS group, a as follows:					
16		• Rate Zone 3 (Scranton): Service in Rate Zone 3 is offered through a single monthly					
17	service charge and volumetric rate for all residential and Class B nonresidential						
18		service (\$19.50 and \$1.0600 per hundred gallons respectively at proposed rates).					
19		Class C nonresidential service is offered through the same monthly service charge					
20		and a two-tiered volumetric charge of \$1.0600 per hundred gallons for usage up to					
21		5,000 gallons per month and \$1.0903 per hundred gallons for all water usage above					
22		5,000 gallons per month.					

1		• Rate Zone 4 (Kane): Service in Rate Zone 4 is offered through a monthly service					
2		charge of \$66.84 per month for residential accounts and \$82.49 per month for					
3		nonresidential accounts. Volumetric rates are offered through a stepped rate that					
4	features a first block allowance at no charge for the first 2,000 gallons of use per						
5		month, and a three-block volumetric rate of \$1.0732 per hundred gallons for usage					
6		above 2,000 gallons per month up to 10,000 gallons per month, \$1.1919 per					
7		hundred gallons for the next 20,000 gallons of usage per month, and \$1.3008 per					
8		hundred gallons for usage over 30,000 gallons per month.					
9		• Rate Zone 6 (McKeesport): Service in Rate Zone 6 is offered through a monthly					
10		service charge of $$11.00$ per month for residential accounts and $$27.50$ per month					
11		for nonresidential accounts. A volumetric rate of \$1.9760 per hundred gallons					
12		applies to residential usage and a volumetric rate of \$1.4570 per hundred gallons					
13	applies to all non-residential usage with the exception of usage for Port Vue where						
14	the volumetric rate is \$1.5000 per hundred gallons. Additionally, there is a bulk						
15	service rate in McKeesport that consists of a \$61.10 per month service charge and						
16	a volumetric rate of \$1.0190 per hundred gallons.						
17	Q.	Please describe the Company's current rate structures in the other rate zones in this					
18	proceeding.						
19	A. The rate structures for the remaining three rate zones not included in the CSS and SSS						
20		groups are as follows::					
21		• Rate Zone 10 Royersford: Service in Royersford is offered through a single					
22		monthly service charge for all customers of $$30.00$ per month and a volumetric rate					
23		consisting of an allowance for the first 5,400 gallons at no additional charge and a					

1		volumetric charge of \$0.5615 per hundred gallons for service above the allowance.						
2		In addition, an unmetered service option is available for \$43.50 per month.						
3		• York Acquisition: Upon closing, service in York will be offered through a single						
4	• York Acquisition: Upon closing, service in York will be offered through a single monthly service charge for all customers of \$18 per month and a volumetric rat							
5	consisting of a free allowance of 2,000 gallons per month and a volumetric charg							
6		of 0.9370 per hundred gallons for service above the allowance except for industrial						
7		rates where there is no allowance. In addition, bulk service will be offered through						
8		a volumetric rate of \$0.3750 per hundred gallons for Rate A bulk customers and						
9		\$0.2490 per hundred gallons for Rate B bulk customers.						
10		• Upper Pottsgrove Acquisition: Upon closing, service in Upper Pottsgrove will be						
11		offered an unmetered basis only, with the monthly unmetered charge at \$65.00 per						
12		month.						
13	Q.	Is the Company proposing to recover all of the revenue requirements for wastewater						
14		service from its wastewater customers?						
15	A.	No. The Company is proposing to reallocate a portion of the wastewater revenue						
16		requirement calculated in this case to its water service customers under the provisions of						
17		Act 11 of 2012 ("Act 11"). I describe this reallocation and provide support for this						
18		reallocation in the next section of my testimony.						
19	Q.	Is the Company proposing consolidation of rate zones for wastewater service in this						
20		case?						
21	A.	Yes. Consistent with the Commission's goal of single tariff pricing, PAWC is proposing						
22		to move its SSS wastewater rate zones to or toward Rate Zone 1 wastewater rates in this						
23		case.						

Q. What is the Company's proposal for wastewater service rate design and tariff consolidation in this case?

A. The Company's proposal for wastewater service rate design and tariff consolidation in this case is as follows:

- SSS Group: For the SSS Group, the Company is proposing to increase service 5 • 6 charges and volumetric rates in Rate Zone 1 by 30%, which produces a revenue 7 increase that is approximately half of the overall revenue requirement increase calculated for the group. The Company is proposing to merge all rates for Rate 8 9 Zones 2, 5, 7, 8, and 9 into the Zone 1 rate, thus consolidating rates for these rate 10 zones into a single rate schedule. The Company also is proposing, effective 11 November of 2023, a 25% increase in service charges and volumetric rates in Rate 12 Zone 11 (Valley). No change in rates is proposed for the Foster Acquisition.
- CSS Group: For the CSS Group, the Company is proposing no changes in rates in
 the Scranton district. The Company is proposing to move rates in McKeesport to
 be consistent with rates in Rate Zone 1. In the Kane rate zone, the Company is
 proposing an increase in all rates of 10%.
- Rate Zone 10 Royersford: The Company is proposing an across the board increase
 of 70% for rates in Royersford, with the increase expected to take effect in May
 2023.
- York Acquisition: The Company is proposing to increase the service charge and
 volumetric rates by 47%, with the increase proposed to take effect in 2025. No
 changes are proposed to the contract bulk rates for Class A and Class B bulk
 customers.

	• Upper Pottsgrove Acquisition: The Company is proposing to increase the charge
	for unmetered service in Upper Pottsgrove from \$65 per month to \$95 per month
	consistent with the charge for unmetered service in Rate Zone 1.
Q.	Do you have a schedule that shows the Company's current and proposed rate design
	for wastewater service?
A.	Yes. The Company's proposed rate design in this case for wastewater service is provided
	in Exhibit CBR-2.
	REALLOCATION OF WASTEWATER REVENUE REQUIREMENT
Q.	What is the Company's proposal with respect to wastewater revenue requirement
	reallocation?
A.	The Company is proposing to reallocate a portion of the total calculated wastewater
	revenue requirement shown in Exhibit 3-A to water service customers. This reallocation
	of wastewater revenue requirement to water customers is provided for in Act 11. Under
	Act 11, the Commission may, when approving base rates and after providing notice and an
	opportunity to be heard, authorize utilities to allocate a portion of the wastewater revenue
	requirement to the combined water and wastewater customer base if in the public interest.
Q.	What portion of the wastewater revenue requirement is the Company proposing to
	reallocate to water customers?
A.	The total calculated revenue requirement for wastewater service is \$208,158,314. The
	Company is proposing to recover \$133,440,824 of that revenue requirement from
	wastewater customers under its proposed rates in this case. This is approximately 64% of
	the total. The remaining \$72,946,695 is proposed to be a revenue requirement reduction
	for wastewater service customers that will be recovered from water service customers.
	А. Q. Д.

1	Q.	Please provide a summary of the amounts of PAWC's proposed wastewater revenue					
2		requirement that it proposed to reallocate to water customers, by customer class,					
3		pursuant to Act 11 .					
4	A.	The reallocation of wastewa	ater revenue requirement by water customer class is as follows:				
5		• Residential:	\$48,509,249				
6		• Commercial:	\$18,902,946				
7		• Municipal:	\$1,967,040				
8		• Industrial:	\$3,567,460				
9	Q.	Please identify the amour	nts to be reallocated to water customers under Act 11 by				
10		wastewater rate zone cate	gory.				
11	А.	The reallocation of wastew	vater revenue requirement by wastewater pricing group is as				
12		follows:					
13		• Group SSS:	\$12,786,945				
14		• Group CSS:	\$38,809,970				
15		• Royersford:	\$1,504,562				
16		• York:	\$18,986,027				
17		• Upper Pottsgrove:	\$859,192				
18	Q.	Why is the Company prop	oosing a reallocation of wastewater revenue requirements				
19		to water customers under Act 11 in this case?					
20	А.	The Company is proposing	g a reallocation of wastewater revenue requirements to water				
21		customers under Act 11 for	three reasons:				
22		• In the York system, the Company is obligated under the Commission's Order at					
23		Docket No. A-2021	-3024681 to propose an increase in rates of 47% on non-bulk				

1customers. The bulk customers, who will receive service under separate bulk2agreements, will not be subject to the same increase. In combination, this will result3in an approximate \$19 million shortfall in revenues in York when compared to the4Company's proposed revenue requirement in that district.

- In the Scranton system, the Company is not permitted to increase rates that will
 become effective in 2023 for the reasons explained in the direct testimony of Stacey
 D. Gress (PAWC Statement No. 4). This limitation means that the proposed
 revenue requirement increase of approximately \$39 million for the CSS Group
 would otherwise have to be recovered from customers in Kane and McKeesport,
 which would result in significant increases for those customers.
- Rate increases in other pricing zones would be significant if the full revenue
 requirement proposed for those rate zones were to be implemented. Affordability
 of wastewater service in those communities would be significantly eroded without
 an allocation of a portion of those revenue requirements to water customers.
- Q. Is it in the public interest in this proceeding to reallocate a portion of the wastewater
 revenue requirement to water customers?

A. Yes, the proposed reallocation of wastewater revenue requirement to water service customers is appropriate and in the public interest from both a rate design and a policy perspective.

20 Q. Why is the Company's proposal in the public interest from a rate design perspective?

A. The primary rate design principle that supports the partial reallocation of wastewater cost
 of service to water customers is the principle of gradualism. The gradualism principle in
 rate design is based on the idea that changes in rates and rate design should be made in a

1 way that avoids rate shock. Rate shock can come both from general increases in revenues 2 that can affect all customers, as well as from changes in rate designs that can cause large 3 increases to specific pockets of customers. Drastic changes in rates can cause customer 4 confusion and dissatisfaction and have adverse effects on the utility's ability to provide 5 quality customer service. The increases that would be applied to certain communities in 6 the Company's wastewater territory would certainly fall within this concept. Relatedly, 7 concerns over the affordability of wastewater service for these customers, that I will 8 describe later in testimony, provides support for the partial reallocation of wastewater 9 revenue requirements to water customers.

10 Q. If the Company is concerned that its wastewater customers may experience rate 11 shock, why is the Company proposing these rate increases?

A. The drivers of this rate case are discussed in greater detail in the testimony of several other
 PAWC witnesses, in particular Witness Everette.

14 Q. What are the important policy considerations that support the Company's proposal?

15 From a policy perspective, it is important to note that PAWC is an integrated company that A. 16 provides both water and wastewater services on a consolidated basis. The Company 17 provides such services through the efforts of both PAWC employees and the resources of 18 the Service Company. This consolidation of functions creates opportunities to capture 19 economies of scale that ultimately will drive down costs to customers, which do not exist 20 where water and wastewater operations are fragmented. It is in the long-term best interest 21 of our customers and the Commonwealth of Pennsylvania to adopt policies that encourage 22 the development of these cost-reducing economies of scale. The temporary reallocation of

2

revenue requirement between water and wastewater systems is an important piece of that equation.

3 Capital expansion plans often drive the need for utility rate increases. As PAWC 4 Witness Aiton points out, a significant driver of this rate increase request is PAWC's 5 ongoing infrastructure investment plans. In the short-term, capital additions in different 6 parts of the Company's water and sewer systems will exhibit peaks and valleys. This can 7 be especially true in newly acquired systems where upfront investment needs may be more 8 significant than in other systems where the Company has been making more modest, 9 annual investments over a longer period of time. Over time these investment plans will 10 revert to an average long-term investment pattern, and the associated changes in rates will 11 reflect that long-term investment pattern. The initial rate changes in newly acquired 12 systems can be extreme, however, if all of the investments are required to be recovered 13 exclusively from the customers of those systems upfront. A reallocation of a portion of the 14 revenue requirement to a larger customer base can ease the burden on new system 15 customers and further the goal of consolidation and prudent investment in these systems.

Q. Are there similarities between the Company's proposal to reallocate a portion of wastewater revenue requirement to water customers and the larger policy objective of single tariff pricing?

A. Yes. The Company's proposal in this case represents a modest amount of "averaging" of
 water and wastewater service costs, which occurs to some extent when a portion of the
 wastewater cost of service is allocated to all customers. This is akin to the cost averaging
 that single tariff pricing is explicitly designed to accomplish, and it is justified for similar
 reasons. Revenue requirements for a particular type of service in a discrete and specific

1	location can be variable from year to year when looked at as a snapshot in time, which is
2	necessarily the case in a single rate case. These year-to-year rate impacts are what single
3	tariff pricing is meant to alleviate, and the Company's reallocation proposal does the same
4	thing. In the short run, redistributing some of the revenue requirement from one form of
5	service or one group of customers to another can substantially reduce the rate impact on a
6	specific group of customers, while having only a small effect on the much larger customer
7	base. This customer rate increase mitigation is in the public interest and is in the long-term
8	best interest of our customers.

9 Q. What will be the impact on the Company's water service bills from the Company's 10 proposal to reallocate a portion of wastewater revenue requirement to water service 11 customers?

A. Based on the Company's cost of service and proposed customer class revenue allocation in this case, this reallocation would increase the monthly water bill of a Rate Zone 1 residential water customer with an average usage of 3,200 gallons per month by approximately \$6.42 per month.

Q. What are the increases associated with the Company's proposal for wastewater rate design?

A. The following table provides a summary of the Company's proposals for rate design and
 rate schedule consolidation for wastewater service by rate zone and shows total current rate
 revenues, total proposed revenues, and percentage increases.

Rate Zone	Present Rate Revenues	Proposed Rate Revenues	Percent Increase	Average Residential Increase
SSS – Statewide	\$26,012,932	\$31,768,526	22%	\$21.77
SSS – New Cumberland	\$2,009,115	\$3,544,491	76%	\$45.03
SSS – Franklin	\$336,829	\$391,947	16%	\$16.59
SSS – Sadsbury	\$1,082,235	\$1,344,940	24%	\$22.01
SSS – Turbotville	\$276,810	\$362,575	31%	\$26.79
SSS – Exeter	\$9,995,803	\$12,574,809	26%	\$22.96
SSS – Valley	\$2,741,367	\$3,498,433	28%	\$18.14
SSS – Foster	\$842,520	\$842,520	0%	\$0.00
CSS – Scranton	\$32,561,199	\$30,943,127	-5%	\$0.00
CSS – Kane	\$2,368,040	\$2,472,822	4%	\$7.96
CSS – McKeesport	\$15,254,909	\$18,774,988	23%	\$21.16
York	\$18,755,982	\$23,179,271	24%	\$13.78
Royersford	\$820,868	\$1,391,236	69%	\$21.07
Upper Pottsgrove	\$1,349,191	\$1,971,894	46%	\$30.00

2

AFFORDABILITY

3 Q. How do you define affordable water and wastewater service?

4 The concept of affordability for water and wastewater service is based on the idea that A. 5 access to drinking water and wastewater service should be: (1) safe, meaning it complies 6 with EPA regulations, Safe Drinking Water Act standards, and other applicable laws and 7 regulations; (2) reliable, so that it is resilient in the face of floods, droughts, and other 8 climate risks; and (3) affordable. An assessment of affordability generally compares 9 monthly or annual bills for water or wastewater service to measures of household income. 10 The concept of affordability, particularly in the context of PAWC's rates, is also discussed 11 in the direct testimony of Company Witness Everette.

MEASURING AFFORDABILITY

2

Q. How can one assess the affordability of water and wastewater service and what

3 information is needed to complete such an assessment?

4 A. A common way to assess affordability is to compare annual bills for water and/or 5 wastewater service to some measure of household income in the communities that the 6 utility serves. Such an assessment requires two data points – the average monthly or annual 7 bill for water and wastewater service and some measure of household income for the target 8 customer population. For the broader residential customer base, the most common 9 household income measure is Median Household Income ("MHI"), which can be measured 10 at a community level and is paired with a data set that provides the number of customers 11 served in each community to arrive at a weighted number that represents MHI for the 12 Company's service territory. Alternative measures of income, such as disposable income 13 or hours of labor at minimum wage needed to cover the cost of water and/or wastewater service have also been suggested.² 14

When an appropriate measure (or measures) of household income is determined, affordability can then be assessed for the average customer, low-income customers, and a full range of households based on their various income levels and bills for water and/or wastewater service. A variety of household income data is readily and publicly available from the U.S. Census Bureau through the American Community Survey ("ACS") at the state, county, and community level.

² Teodoro, Manuel P. "Measuring Household Affordability for Water and Sewer Utilities." Journal AWWA, 2018, doi:10.5942/jawwa.2018.110.0002

1 Q. What can different measures of affordability for water and wastewater service

2

expressed as a percentage of MHI tell you?

3 Assessing affordability information of water and wastewater service for the entire A. 4 residential customer population can tell you whether customers in general are having or 5 would have difficulty paying their water and/or wastewater bills under the Company's 6 current or proposed tariff structure. Assessing affordability information of water and 7 wastewater service for lower income customers can tell you the number of customers that 8 may be having trouble paying their water and/or wastewater bills, where in the Company's 9 service territory these customers are, and the extent to which those bills are contributing to 10 customers economic distress. This can, in turn, inform the Company about the size and 11 scope of low-income assistance programs that may be needed to help these vulnerable 12 customers better afford water and wastewater service, both in terms of rate design 13 proposals and customer assistance programs that may include customer grants, tariff 14 discounts, levelized billing, and outreach programs.

Q. Is there a generally accepted standard for the affordability of water and wastewater expressed as a percentage of Median Household Income?

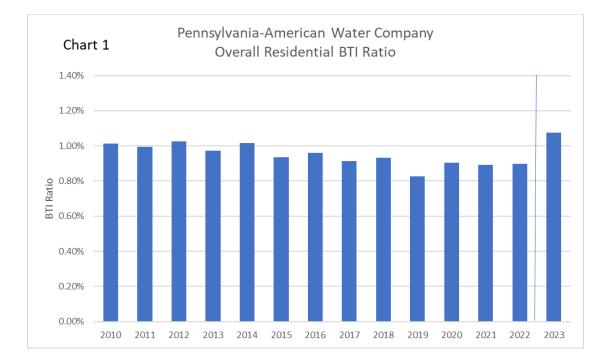
- 17 A. A benchmark for affordability expressed as a total bill's percentage of MHI is a policy
- 18 decision; however, bills less than 2.0% or 2.5% of MHI for water service and 4.0% to 4.5%
- 19 of MHI for combined water/wastewater service are considered "affordable" by some.³ An

³ Teodoro, Manuel P. "Measuring Household Affordability for Water and Sewer Utilities." Journal AWWA, 2018, doi:10.5942/jawwa.2018.110.0002.

1		affordability benchmark for water service of 3.0% to 4.5% of household income has also
2		been proposed specifically for lower income groups. ⁴
3	Q.	Has the Company completed an affordability study regarding bills that would arise
4		from proposed rates in this case?
5	A.	Yes. The Company's affordability study for water service is provided in Exhibit CBR-3.
6		The Company's affordability study for wastewater service is provided in Exhibit CBR-4.
7	Q.	What information do the Company's affordability studies provide?
8	A.	The Company's affordability studies for water and wastewater service contain two
9		different analyses and provide two basic types of information. This information includes:
10		• Historical comparisons of average monthly bills to MHI shown in actual terms and
11		shown in terms of a Bill-to-Income ("BTI") Ratio, which is defined as estimated
12		annual water or wastewater billed amounts divided by estimated annual household
13		income.
14		• Current information on the estimated number of customers in the service territory,
15		and estimated BTI Ratios for various income levels stated in terms of household
16		income and multiples of the Federal Poverty Level ("FPL"). BTI Ratios are
17		calculated for proposed rates in this case.
18	Q.	What is the result of your comparison of historical average monthly water bills and
19		proposed monthly bills in this case to MHI in the PAWC service territory?
20	A.	The charts below compare historical average monthly water bills to MHI for Pennsylvania-
21		American customers from 2010 through 2021 stated in absolute terms and stated in terms

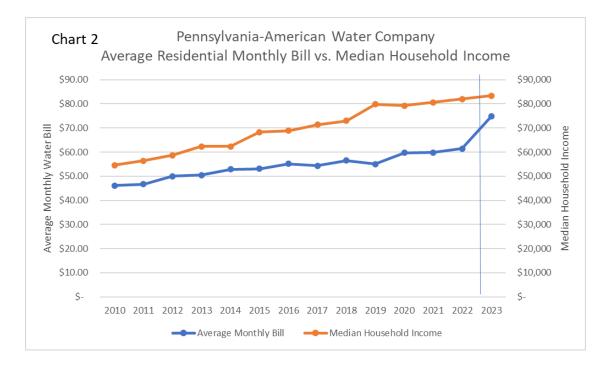
⁴ Colton, R. (2020). The Affordability of Water and Wastewater Service in Twelve U.S. Cities: A Social, Business and Environmental Concern prepared for The Guardian (U.S. Office). New York NY. https://www.theguardian.com/environment/2020/jun/23/full-report-read-in-depth-water-poverty-investigation.

1of BTI Ratio, along with estimated average monthly bills under the Company's proposed2rates in this case and estimated MHI for Pennsylvania-American customers during the3Fully Projected Future Test Year period (2023). The data shows that BTI Ratios for water4service for the residential customer base have improved over time from 1.01% in 2012 to50.89% in 2021 (estimated) and are expected to be 1.08% under the Company's proposed6rates in this case during the Fully Projected Future Test Year. ⁵ As can be seen, this is less7than 2.0% to 2.5% of MHI for affordable water service.⁶



⁵ Affordability statistics for 2021 are estimated because Median Household Income data for 2021 will not be a vailable until fourth quarter 2022.

⁶ Charts for wastewater service are provided in Exhibit CBR-4.



1 Q. What impact do the Company's rate design and rate schedule consolidation proposals 2 have on the affordability of the Company's water and wastewater service in this case? 3 A. As shown above, the affordability of PAWC residential water has improved over the past 4 decade and is expected to remain affordable under the Company's proposed rates in this 5 case. The Company's proposal to reallocate a portion of wastewater revenue requirement 6 will significantly improve the affordability of wastewater service, while having little 7 impact on the affordability of water service. Before the reallocation of wastewater revenue 8 requirement to water was made, the BTI Ratio for total wastewater service would be 2.16% 9 (as compared to a BTI Ratio for wastewater service of 1.35% under the Company's 10 proposal). The Company's proposed reallocation of wastewater revenue requirement to 11 water service moved the Company's water BTI Ratio from 0.98% to 1.08%. 12 Q. You measured the BTI ratios for the customer base as a whole. What information 13 can support a more focused assessment of affordability of water and wastewater

14 service for the Company's most vulnerable customers?

A. A more focused assessment of affordability targeted at the Company's more vulnerable
customers can compare annualized bills for "basic water and/or wastewater service" (i.e.,
service that is necessary and reasonable to meet basic household needs for drinking,
cooking, sanitation, and general health service that does not include seasonal discretionary
water use) to measures of household income for lower income groups. A more focused
affordability assessment requires a much more detailed information set that includes:

7

1. <u>Standard measure of what constitutes low-income customers</u>

8 Typically, a standard measure of income for lower-income centers around various 9 multiples of the FPL, which is set by the federal government and varies depending on the 10 number of persons in the household. For calendar year 2020, 100% of FPL for a three-11 person household in the lower 48 states was \$21,720 per year. Multiples of FPL can then 12 be used to set low-income benchmarks (50% of FPL, 150% of FPL, etc.). It is important 13 to note that a customer's FPL is both a function of income and the number of persons in the household, so the estimation of the number of households at different levels of FPL is 14 15 more complicated than simply understanding income level. As described further below, 16 the Company established a low income bracket of at or below 150% of FPL because this 17 income bracket is eligible for government-run utility assistance programs. For example, 18 the Low Income Household Water Assistance Program administered by the Department of 19 Human Services is available to customers at or below 150% of FPL.

20

2. <u>Number of households in the service territory that qualify as low-income</u>

The number of households that fall within different levels of income or different intervals of FPL can best be found through the previously-mentioned U.S. Census Bureau data, which provides this information at a community level. As previously stated, these data can be paired with a data set that provides the number of customers served by community to
 determine the estimated percentage of households at different income levels in the service
 territory. The number of households at different multiples of FPL can also be estimated by
 pairing households at different income levels in the service territory with the number of
 persons per household by income level, which is also available through U.S. Census
 Bureau data.

7

3. <u>Number of low-income households that are customers of the utility</u>

8 The number of low-income households in a service territory does not necessarily equate to 9 the number of low-income customers of the utility, because lower income customers are 10 more likely to rent and less likely to own homes than higher income customers. Water and 11 wastewater service provided to apartment buildings and other multifamily housing units 12 are often in the name of the building owner, and tenants are generally not the utility 13 customers of multifamily housing units. To determine the number of low-income households that are actually low-income customers of the utility, one needs to determine 14 15 a) the level of home ownership in the community by income level, and b) the percentage 16 of renters in a community that rent single-family homes (for which those renters are likely 17 the paying customer of record) versus renters that live in apartment buildings and other 18 multifamily units.

19

4. <u>Common understanding of what constitutes basic water service</u>

When looking at the appropriate usage levels to determine affordability for lower income groups, it is not appropriate to rely solely on average usage levels for a residential customer class in total. A better approach is to identify a usage level that reflects water consumption provided for basic human services (cooking, cleaning, sanitation, and general health requirements), which is then assumed to be constant from month-to-month and not subject to significant seasonality or weather conditions. This standard can be expressed in terms of gallons per resident per day. An advantage of this approach is that a basic water service metric stated in terms of gallons per resident can be paired with the fact that lower income households tend to have lower occupancy rates in terms of persons per household. This information, which is available from U.S. Census Bureau data, can be used to customize a level of usage that accurately reflects basic water service for lower income households.

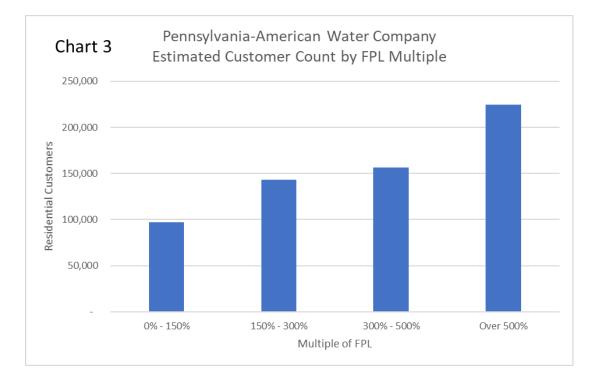
8 An alternative approach is to look at individual customer billing records and 9 identify a median monthly water consumption for all customers with relatively flat non-10 seasonal usage across the year. The use of a median statistic in this case reduces the impact 11 of very high usage customers. Another alternative is to choose a consecutive period of 12 time during the year (February through April for example) that tends to have the lowest 13 average use per customer over the course of the year and has the least amount of 14 discretionary seasonal water usage, if any at all. This method helps to ensure that the 15 monthly usage used in an affordability analysis represents the least amount of discretionary 16 water use, and therefore is most representative of basic water usage in a given service 17 territory.

18 Q. How are you defining basic water service for the purpose of your affordability 19 analysis?

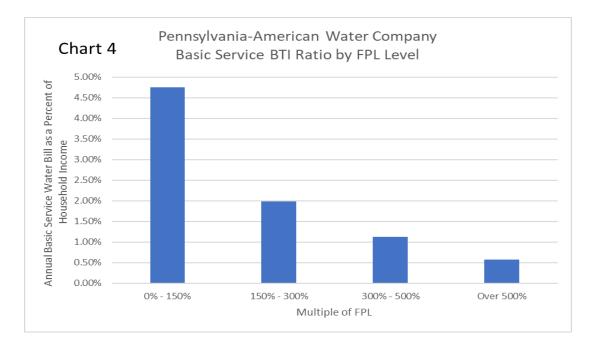
A. The Company's affordability analysis define basic water service to be 40 gallons per household member per day. This usage level is consistent with average monthly usage per customer in Pennsylvania during months where water consumption is predominantly nonseasonal.

Q. What does your affordability study show in terms of the estimated number of
 customers in Pennsylvania by household income and how bills for basic water service
 compare for these customers in terms of BTI Ratios?

A. The charts below show the estimated number of customers by multiples of FPL for the
Company's residential water customers and the BTI Ratios for bills for basic water service
for each income group under the Company's proposed rates in this case.⁷



⁷ Estimated customers by multiples of FPL and BTI Ratios for bills for basic wastewater service are provided in Exhibit CBR-4.



1 For the vast majority of our customers, BTI Ratios are less than 2% for basic water service 2 at the Company's proposed rates. The Company estimates that there are approximately 100,000 residential water customers with household incomes at or below 150% of FPL, 3 which represents approximately 15% of the Company's residential water customer base. 4 5 For these customers, the average BTI Ratio is approximately 3.6% for basic water service. 6 If you are able to discern the affordability of water service for an average customer, Q. 7 are you able to discern the affordability of water service at differing levels of income? 8 A. Yes, we are. 9 0. Please describe the analysis that estimates the Company's residential water and

- 10 wastewater customer population for different levels of income.
- A. The United States Census Bureau, through the ACS, provides detailed information at the
 zip code level on the number of households, both those that own homes and those that rent,
 at different levels of income. From those data:

1		• We develop for each zip code an estimated profile of households that are customers
2		of the Company by income level (\$0k to \$5k annual income, \$5k - \$10k, etc.).
3		• Within each increment of income, we can estimate the number of households with
4		one person, two persons, etc. that can then yield estimates of the number of
5		customers in each zip code by multiple of FPL.
6		• We can then calculate bills for basic water and wastewater service for each
7		combination of household income and household size based on the rates applicable
8		to that location and estimate BTI Ratios for each combination of household income,
9		household size, and multiple of FPL within each zip code.
10		• This information can then be rolled up to any aggregated level, which might be at
11		a county level, district level, tariff group, or for the service territory in total.
11		a county level, district level, tanni group, or for the service territory in total.
11	Q.	What conclusions do you draw based on the Company's affordability studies?
	Q. A.	
12		What conclusions do you draw based on the Company's affordability studies?
12 13		What conclusions do you draw based on the Company's affordability studies? There are three conclusions that can be drawn from Company's affordability studies for
12 13 14		What conclusions do you draw based on the Company's affordability studies? There are three conclusions that can be drawn from Company's affordability studies for water and wastewater service:
12 13 14 15		 What conclusions do you draw based on the Company's affordability studies? There are three conclusions that can be drawn from Company's affordability studies for water and wastewater service: The affordability of the Company's water and wastewater service has remained
12 13 14 15 16		 What conclusions do you draw based on the Company's affordability studies? There are three conclusions that can be drawn from Company's affordability studies for water and wastewater service: The affordability of the Company's water and wastewater service has remained relatively constant from 2012 through the present time, and BTI Ratios for the
12 13 14 15 16 17		 What conclusions do you draw based on the Company's affordability studies? There are three conclusions that can be drawn from Company's affordability studies for water and wastewater service: The affordability of the Company's water and wastewater service has remained relatively constant from 2012 through the present time, and BTI Ratios for the Company's water service are expected to remain at levels consistent with historical
12 13 14 15 16 17 18		 What conclusions do you draw based on the Company's affordability studies? There are three conclusions that can be drawn from Company's affordability studies for water and wastewater service: The affordability of the Company's water and wastewater service has remained relatively constant from 2012 through the present time, and BTI Ratios for the Company's water service are expected to remain at levels consistent with historical levels under the Company's proposed rates in this case. BTI Ratios for the

1		• The Company's water and wastewater service has been, is, and is expected to
2		continue to be affordable for the vast majority of its residential customers, including
3		under final rates proposed in this case.
4		• There are groups of customers for whom affordability of water and wastewater
5		service may be an issue.
6	Q.	Is the affordability of the Company's service uniform across all of the areas the
7		Company serves?
8	А.	No, it is not, and not because bills vary significantly across the Company's service territory
9		but because household incomes vary significantly across the Company's service territory.
10		The Company has a very diverse service territory and serves customers in urban, suburban,
11		and rural communities. Median household incomes range from approximately \$100,000
12		per year in communities in Mechanicsburg to \$50,000 per year in Scranton. This means
13		that BTI Ratios in the Company's poorer communities are much higher than in wealthier
14		communities. The Company's water and wastewater affordability analyses are provided
15		in Exhibits CBR-3 and CBR-4. These exhibits provide a breakdown by community of the
16		number of customers served in each community, the median household income for each
17		community, and the BTI Ratios for basic service in each community.
18	Q.	How do the results of the Company's affordability study for wastewater service
19		compare to the results for water service in terms of BTI Ratios for service under the
20		Company's proposed rates in this proceeding?
21	А.	The following table provides MHI data, average monthly bills and BTI ratios for the
22		Company's proposed rates in this proceeding for water and wastewater service aggregated
23		across the Company's entire service territory for water and wastewater service:

		Average Monthly Bill	
Basic Water Statistics	Median Household Income	Under Proposed Rates	BTI Ratio
Water Service	\$83,342	\$74.73	1.08%
Wastewater Service	\$65,641	\$74.09	1.35%

PROPOSED LOW-INCOME DISCOUNT TARIFFS

2 Q. Please describe the Company's current low-income discount program.

A. The Company currently offers a low-income discount program to water and wastewater
customers whose income is at or below 150% of FPL. This low-income discount program
offers qualifying water customers an 85% discount on the prevailing service charge or
minimum bill in the applicable rate zone as well as a 10% discount on the volumetric rate
for water service in the applicable rate zone. For wastewater service, qualifying customers
receive a 30% discount on their total wastewater bill.

9 Q. How does the Company's current low-income discount tariff help customers with the

10

affordability of water and wastewater service?

A. For a low-income water customer in Rate Zone 1 using 3,000 gallons per month under
current rates, the monthly bill under current rates before the low-income discount would
be \$56.80 per month. The low-income discount would reduce that bill to \$38.00 a month.
Assuming an annual income of \$18,000 per year, the low-income discount reduces the BTI
Ratio for this customer from 3.8% to 2.5%.

For a low-income wastewater customer in Rate Zone 1 with water consumption of 3,000 gallons per month, the monthly bill under current rates before the low-income discount would be \$69.48 per month. The low-income discount would reduce that bill to

2

\$48.64 a month. Assuming an annual income of \$18,000 per year, the low-income discount reduces the BTI Ratio for this customer from 4.6% to 3.2%.

- 3 Q. What participation levels does the Company see in these programs?
- A. The Company currently has approximately 23,850 residential water customers taking
 service under the low-income discount program, which is approximately 23% of the
 Company's estimate for the total number of water customers that would qualify for the rate
 based on income guidelines. For wastewater service, the Company has approximately
 3,000 residential customers taking advantage of the low-income discount program, which
 is approximately 20% of the Company's estimate for the total number of wastewater
 customers that would qualify for the rate based on income guidelines.
- 11 Q. Is the Company proposing any changes to its low-income discount program?

A. Yes. The Company is proposing in this proceeding to expand the low-income discount
 program for both water and wastewater service by including multiple tiers of discounts for
 both water and wastewater service based on different levels of household income stated as
 multiples of FPL. The Company's proposal to modify and expand these discounts is as
 follows:

		Water	Wastewater
	Water Service	Volumetric	Total Bill
Income Group	Charge Discount	Charge Discount	Discount
0% - 50% FPL	80%	80%	80%
51% - 100% FPL	65%	50%	55%
101% - 150% FPL	40%	25%	30%

17 Q. Why is the Company proposing an expansion to its low-income discount program?

A. Although the discount program as it stands today significantly improves affordability for
 qualifying customers as a whole (customers with household incomes below 150% of FPL),

that improvement in affordability is not uniform across all income groups. The table below
 shows BTI Ratios for basic water service before and after discounts by income group for
 water bills in Rate Zone 1:

4

5

Existing Low Income Discount Program

		Pre-		
	BWS Bill	Discount	BWS Bill	Post-Discount
Income Group	Pre-Discount	BTI Ratio	Post-Discount	BTI Ratio
0% - 50% FPL	\$66.40	18.82%	\$44.76	12.26%
51% - 100% FPL	\$76.28	6.37%	\$53.65	4.17%
101% - 150% FPL	\$64.96	3.58%	\$43.96	2.27%

The chart shows that BTI Ratios under the current discount structure are reduced for the
101% - 150% FPL group to less than 2.5% while the BTI Ratios for the 0% - 50% FPL
group are reduced to just under 13%. The Company's proposed three-tier discount reduces
the BTI Ratio disparity among the low-income subgroups.

Q. For the purpose of determining rates in this proceeding, is the Company assuming
 any changes in participation to its programs due to the proposed expansion of these
 programs?

A. For ratemaking purposes, the Company is not assuming any change in the overall level of participation in the program for determining total discounts under proposed rates and its impact on the Company' proposed rate design. Specifically, the Company is estimating levels of participation by income subgroup (total percentage of eligible customers participating in the program) based on data collected from participating customers from August 2021 through March 2022 as follows:

	Participation
Income Group	Level
0% - 50% FPL	55.0%
51% - 100% FPL	31.1%
101% - 150% FPL	13.9%

3	Q.	What is the total level of discounts assumed in the Company's proposed rate structure
4		given the Company's proposed low-income discount tariff, proposed rates in this
5		proceeding, and estimated participation levels?
6	A.	The total level of discounts under a) the Company's present rates and low-income discount
7		tariff, and b) the Company's proposed rates and proposed low-income discount tariff for
8		both water and wastewater service is provided in the table below:

Service	Current Rates and Discounts	Proposed Rates and Discounts
Water	\$5,260,131	\$11,131,910
Wastewater	\$848,879	\$2,164,791

9 Q. How is the Company proposing to recover the costs of the low-income discount 10 program?

11 A. The level of discounts assumed above are built back into proposed base rates in this case,

12 so if actual discounts provided in the program are equal to those assumed above, the

13 discounts will be recovered from all customers through baserates. To the extent that actual

- 14 discounts provided are above or below those assumed for ratemaking purposes, the
- 15 differences will be recovered from customers or credited back to customers through the
- 16 Company's proposed RSM that I describe later in my testimony.

17 Q. How will the proposed changes to this program affect and enhance the affordability

18 of its service to lower income customers?

- A. The table below shows BTI Ratios for basic water service before and after discounts by
 income group under the Company's proposed three-tiered low-income discount program
 for water service in Rate Zone 1:
- 4

Proposed Low Income Discount Program

		Pre-		
	BWS Bill	Discount	BWS Bill	Post-Discount
Income Group	Pre-Discount	BTI Ratio	Post-Discount	BTI Ratio
0% - 50% FPL	\$66.40	18.82%	\$13.28	3.76%
51% - 100% FPL	\$76.28	6.37%	\$35.14	2.87%
101% - 150% FPL	\$64.96	3.58%	\$45.72	2.50%

As shown by the BTI ratios under the proposed program, the affordability of the water
 service for our low income customers is greatly enhanced, especially those customers at
 0%-50% of FPL.

9 **QUANTITATIVE STATISTICAL ANALYSIS OF WATER CONSUMPTION**

10 Q. Are there revenue adjustments the Company is proposing in this case that require

11 quantitative analysis of water consumption by PAWC's water customers?

12 Yes. I will explain the modeling used to develop the revenue forecasts for residential, A. 13 commercial and municipal customers, and in the next section, I will discuss the 14 development of the revenue projections for all customer classes (residential, commercial, 15 industrial, municipal, and sales for resale). For residential, commercial, and municipal 16 customers, the Company is proposing adjustments for the normalization of the actual 17 billing determinants for the 12-month period ended December 31, 2021, related to trends in declining use, weather normalization, and the impact of the COVID-19 public health 18 emergency on water consumption for PAWC's water customers. These adjustments 19 20 require the Company to analyze water consumption and determine (1) if there is a

1		significant and pervasive rate of decline in water use per customer over time, (2) if there
2		are significant relationships between water consumption and weather conditions in the
3		Company's service territory, if weather was different from normal in the twelve month
4		period ended December 31, 2021, and, assuming both of those conditions exist, if a weather
5		normalization adjustment to usage is appropriate to reflect normal weather conditions for
6		the Fully Projected Test Year (calendar year 2023), and (3) if the COVID-19 public health
7		emergency has had a significant impact on water consumption for PAWC's customers, to
8		determine if a COVID-related adjustment to usage is appropriate for the Fully Projected
9		Test Year.
10	Q.	How do you determine the parameters and relationships necessary to analyze
11		declining water use, weather impacts on water consumption, and the impact of
12		COVID-19 on water consumption for PAWC's customers?
12 13	A.	COVID-19 on water consumption for PAWC's customers? The parameters and relationships necessary to analyze declining use, weather, and COVID-
	A.	
13	A.	The parameters and relationships necessary to analyze declining use, weather, and COVID-
13 14	А. Q.	The parameters and relationships necessary to analyze declining use, weather, and COVID- 19 on water consumption for PAWC's customers are estimated through the use of statistical
13 14 15		The parameters and relationships necessary to analyze declining use, weather, and COVID- 19 on water consumption for PAWC's customers are estimated through the use of statistical linear regression modeling.
13 14 15 16	Q.	The parameters and relationships necessary to analyze declining use, weather, and COVID- 19 on water consumption for PAWC's customers are estimated through the use of statistical linear regression modeling. What is a statistical linear regression model?
13 14 15 16 17	Q.	The parameters and relationships necessary to analyze declining use, weather, and COVID- 19 on water consumption for PAWC's customers are estimated through the use of statistical linear regression modeling. What is a statistical linear regression model? Statistical linear regression modeling is a commonly used type of mathematical predictive
 13 14 15 16 17 18 	Q.	The parameters and relationships necessary to analyze declining use, weather, and COVID- 19 on water consumption for PAWC's customers are estimated through the use of statistical linear regression modeling. What is a statistical linear regression model? Statistical linear regression modeling is a commonly used type of mathematical predictive analysis. The overall idea of regression modeling is to examine two things: (1) does a set
 13 14 15 16 17 18 19 	Q.	The parameters and relationships necessary to analyze declining use, weather, and COVID- 19 on water consumption for PAWC's customers are estimated through the use of statistical linear regression modeling. What is a statistical linear regression model? Statistical linear regression modeling is a commonly used type of mathematical predictive analysis. The overall idea of regression modeling is to examine two things: (1) does a set of independent explanatory variables do a good job of predicting an outcome (dependent)

1	There are three major uses for statistical linear regression analysis. These major
2	uses are: (1) determining the predictive power of independent explanatory variables;
3	(2) forecasting the effect that independent variables have on a dependent variable; and
4	(3) trend forecasting. First, the regression analysis can be used to identify the strength of
5	the effect that independent explanatory variables have on a dependent variable. A typical
6	question is: "What is the strength of the relationship between summer heat, precipitation,
7	and water sales?" Second, the regression analysis can be used to forecast effects or impacts
8	of changes. That is, the regression analysis helps us understand how much the dependent
9	variable changes with a change in one or more of the independent variables. A typical
10	question is: "What volume of water sales can the Company expect to lose for each inch of
11	rainfall above normal in any given period?" Third, regression analysis can predict trends
12	and future values. The regression analysis can be used to get point estimates of future
13	values of the dependent variable based on assumed values for the independent variables.
14	A typical question can be: "Given current trends in water sales, what can we expect water
15	sales to be each month next year assuming normal weather?"

Q.

What does a statistical regression model produce?

A. A statistical linear regression analysis is a way of mathematically validating which
independent variables have a significant impact on the dependent variable – the main
factor, the one you are trying to better understand or predict. A statistical linear regression
model produces an equation that describes a historical relationship between a set of
independent variables and a single dependent variable that can be used to forecast future
values of the dependent variable based on assumed values of the independent variables.
An example of such an equation is shown below:

1		UPCn = a	0 + (a1 x RAIN	$(n) + (a2 \times CDDn) + (a3 \times HDDn)$
2			+ (a4 x COV)	$(D-19n) + (a5 \times TIMEn)$
3		Where:	UPCn =	Use per customer in month n
4			RAINn =	Rainfall in month n
5			CDDn =	Cooling Degree Days ("CDD") in month n
6			HDDn =	Heating Degree Days ("HDD") in month n
7			COVIDn =	COVID-19 effect in month n (0% to 100%)
8			TIMEn =	Year/Month for month n
9		and:	a0 =	constant term
10			a1 =	coefficient for RAIN
11			a2 =	coefficient for CDD
12			a3 =	coefficient for HDD
13			a4 =	coefficient for COVID-19 impact per customer
14			a5 =	coefficient for TIME (declining use value)
15		In this example, us	e per customer	is the dependent variable (outcome) and all other
16		variables are indepe	ndent variables	(predictors).
17	Q.	Can statistical linea	r regression m	odels be used to weather normalize historical water
18		sales for different c	ustomer classe	s?
19	A.	Yes. In the statistica	l model in the e	xample above, the al coefficient for RAIN can be used
20		to estimate the impa	ct of rainfall or	n use per customer in any given historical period and
21		estimate what the u	sage per custo	mer would have been if rainfall had been different,
22		especially when actu	al precipitatior	was higher or lower than normal. Below is a sample
23		calculation of how v	weather normal	ization works with a statistical regression model that

2

uses weather as a strong predictive independent variable that affects the use per customer dependent variable.

3		IMPACTn = a1 x (ACTUAL RAINn - NORMAL RAINn)
4		Where: $IMPACTn = Weather impact due to abnormal rainfall in period n$
5		ACTUAL RAINn = Actual Rainfall (in inches) in period n
6		NORMAL RAINn = Average Rainfall (in inches) in period n
7		If the value of the a1 coefficient for rainfall is -0.30 in this example, actual rainfall for the
8		period is 6 inches and normal rainfall for the period is 4 inches, the weather impact for the
9		period due to higher-than-normal rainfall is a negative 600 gallons per customer meaning
10		that the Company sold 600 fewer gallons per customer of water than it otherwise would
11		have $[-0.30 \times (6 - 4) = -0.60]$. If there are multiple weather variables in the statistical
12		regression analysis, this calculation is completed separately for each variable and the sum
13		of the calculations is rolled up into a single weather impact. This approach to weather
14		normalization allows an analyst to independently assess the impact of each weather
15		component, and also allows an analyst to state the weather impacts over time both in terms
16		of consumption and in terms of revenues by multiplying the consumption impact by a
17		volumetric price.
18	Q.	Can statistical linear regression models be used to estimate the impacts of COVID-19

- 19
- on water sales for different customer classes?

A. Yes. In the statistical model example above, the a3 coefficient for COVID-19 is the estimate of the impact of the COVID-19 public health emergency on monthly use per customer. The historical data set contains a variable for each month that indicates the assumed qualitative level impact from COVID-19 in that month. In all months prior to

1		April 2020 that value was set at 0%. From April 2020 on, that value is set at 100% when
2		maximum COVID-19 impacts are observed, or at a level less than 100% where we see
3		reduced COVID-19 impacts on usage. The coefficient for the COVID-19 impact variable
4		estimates the average monthly use per customer based on the months that have been
5		designated as COVID-19 months. This coefficient can then be used to (1) identify a normal
6		level of usage that is not influenced by the impact of COVID-19, in a manner similar to a
7		normalization calculation that adjusts for the influence on water usage associated with
8		weather conditions that depart from normal, and (2) reflect estimates of future impacts of
9		the COVID-19 public health emergency.
	~	

10 **Q**. Can these models be used to estimate trends in declining use per customer for 11 different customer classes?

12 A. Yes. In the same statistical model example represented above, the a5 coefficient for TIME 13 is the estimate of declining use per customer per month. This coefficient measures the rate of decline in use per customer over the historical data set independent of the effect of any 14 15 other variable in the model. The historical data set contains a variable for each month that 16 is a timestamp that starts at 1 for the first month in the dataset and increases by 1 for every 17 month going forward. This acts as a trend variable for both historical periods in the dataset and future forecast periods. The coefficient for this trend variable is applied to future 18 19 increasing values of the trend which results in decreasing forecasts of use per customer.

20

Q. How does one assess the accuracy of a statistical linear regression model?

21 A statistical linear regression model produces a set of statistics that can be used to judge A. the accuracy and fitness of the model. The most common statistics are (1) the "R-Squared" 22 23 value, which is a statistical measure in a regression model that determines the proportion of variance in the dependent variable that can be explained by the independent variables, and (2) values and standard deviations for the coefficients, which can be used to determine "t-statistics" and "p-values" which tell how accurately and precisely the different coefficients are being calculated and whether the associated independent variables are strong predictors of the dependent variable.

6 In the equation described above, the "R-Squared" value is a statistic that measures 7 the percentage of variation from time period to time period in the dependent variable (water 8 use per customer) that is explained by the mathematical relationship with the independent 9 variables. The R-Squared can range from 0% (no explanatory ability) to 100% (perfect 10 explanatory accuracy). In general, the higher the R-squared, the better the predictive value 11 of the model.

12 The second major test involves comparisons of the values of each of the model 13 coefficients and their associated standard errors. Because a statistical regression model 14 estimates an explanatory relationship between a dependent variable and a set of 15 independent variables, there will always be some degree of uncertainty around what that 16 explanatory relationship actually is. As a result, each model coefficient has a level of 17 uncertainty around it, and this level of uncertainty is represented by measuring how many 18 standard errors each coefficient is away from zero, which the model also calculates.

Dividing the value of each coefficient by its standard error yields a t-statistic which can be used to judge the predictive power of the independent variable that the coefficient represents. For example, in the case of the generic statistical model described above, if the value of the al coefficient for rainfall is -0.30 and the standard error for that coefficient is 0.05 (meaning that the real value of the coefficient could be anywhere between -0.35 and

1		-0.25 with -0.30 being the most likely value), the value of the t-statistic is -6.0 (-0.30
2		divided by $0.05 = 6.0$). Generally speaking, t-statistic values greater than 2.0 for positive
3		coefficients or less than -2.0 for negative coefficients indicate an acceptable predictive
4		relationship between that independent variable and the dependent variable of interest. The
5		higher the t-statistic value, the greater the confidence we have in the coefficient as a
6		predictor. Values between 2.0 and -2.0 indicate that the predictive power of that
7		independent variable may not be very strong.
8	Q.	Are there other more qualitative ways to determine whether a statistical linear
9		regression model is accurate and produces reasonable results?
10	A.	Yes. There are also several qualitative ways to determine whether a statistical regression
11		model accurately describes the relationship that a chosen set of independent variables has
12		with the dependent variable:
13		
		• Does the model represent reality? If it is generally known that water consumption
14		• Does the model represent reality? If it is generally known that water consumption is seasonal and is driven in the summertime by heat and precipitation, it is logical
14 15		
		is seasonal and is driven in the summertime by heat and precipitation, it is logical
15		is seasonal and is driven in the summertime by heat and precipitation, it is logical to assume that a statistical model that attempts to describe and predict seasonal
15 16		is seasonal and is driven in the summertime by heat and precipitation, it is logical to assume that a statistical model that attempts to describe and predict seasonal water consumption would have explanatory variables related to summer heat and
15 16 17		is seasonal and is driven in the summertime by heat and precipitation, it is logical to assume that a statistical model that attempts to describe and predict seasonal water consumption would have explanatory variables related to summer heat and precipitation, and those explanatory variables would be shown to have a strong
15 16 17 18		is seasonal and is driven in the summertime by heat and precipitation, it is logical to assume that a statistical model that attempts to describe and predict seasonal water consumption would have explanatory variables related to summer heat and precipitation, and those explanatory variables would be shown to have a strong predictive value in the model. Models that attempt to accurately describe the
15 16 17 18 19		is seasonal and is driven in the summertime by heat and precipitation, it is logical to assume that a statistical model that attempts to describe and predict seasonal water consumption would have explanatory variables related to summer heat and precipitation, and those explanatory variables would be shown to have a strong predictive value in the model. Models that attempt to accurately describe the drivers behind water consumption that do not contain statistically significant

23 water consumption increases in the summertime with increasing heat and decreases

in the summertime with increasing precipitation, it is logical to expect that the
 coefficients for the independent variables that represent summertime heat and
 summertime precipitation would be positive and negative, respectively.

- Is the model based on a robust data set? It is easy for a statistical model with 4 5 many independent variables and relatively few observations of the dependent 6 variable to accurately explain variation in the dependent variable, but that does not 7 mean that the model has strong predictive power if the data set being analyzed is small in scope. A statistical model that attempts to describe water consumption that 8 9 has good predictive explanatory power over multiple years of monthly historical 10 data is very useful and accurate in projecting future trends and in explaining how 11 changes in strong predictive independent variables will affect levels of the 12 dependent variable.
- 13 Do the impacts on the dependent variable that the model describes make • 14 logical sense? It is possible outside of a statistical linear regression model to make 15 ballpark estimates of other facts like the impact of COVID-19 on water 16 consumption and long-term trends in declining use. This can be done with a simple 17 linear plot of annual usage data by year. For example, if a linear plot of annual 18 usage data suggests that there is a downward trend of approximately 1,000 gallons 19 per customer per year, one would expect that a statistical model that is measuring 20 that impact would yield a result that is similar. The same is true when looking at 21 potential impacts of COVID-19 on water consumption. If a visual examination of 22 data suggests that water use per customer for a commercial class has decreased by 23 2,000 gallons per customer in 2020 due to the COVID-19 emergency, it is logical

to expect a statistical regression model that attempts to statistically measure that
 impact to yield estimates consistent with that expectation.

Please describe the statistical linear regression model you are using to analyze water

- 3 DECLINING USE, WEATHER AND COVID-19 ADJUSTMENTS
- 4

Q.

5

consumption data for PAWC.

A. In this case, we are using multiple regression statistical models for the residential,
commercial, and municipal classes that relate the dependent variable (i.e., water use per
customer) to a collection of independent variables. The models use 120 months of monthly
data beginning in January 2012 and running through December 2021. Each regression
model uses independent variables that can be broken down into four categories to explain
monthly use per customer. The four categories are:

12 Weather: The weather variables used in the models are Cooling Degree Days 13 ("CDDs"), Heating Degree Days ("HDDs") and precipitation. These weather 14 variables are a weighted average of current month and lagged month weather 15 readings taken by the National Oceanic and Atmospheric Administration at the 16 Pittsburgh Allegheny County Airport. This weighted average lagged approach is 17 used to account for the differences between billing month sales and calendar month 18 weather. Coefficients from these variables show the impact of weather on monthly 19 use per customer over the 10-year period. Weather variables are modeled as 20 monthly deviations from normal for each month in the data set (actual weather for 21 the month less normal weather for the month for each individual weather variable). 22 Normal weather is calculated for each month of the year based on weather over a 23 ten-year period from 2012 through 2021.

• <u>Time:</u> The time variable is a trending variable that notes the passage of time in the model and produces a coefficient that estimates the monthly decline in usage per customer over the 10-year model. The time variable captures the range of conservation efforts that have been implemented by customers over time, such as the installation of more water efficient fixtures and appliances. Time on its own is of no consequence, but it is a powerful variable because it is the medium for capturing the conservation effect.

- **COVID-19 Indicator**: The COVID-19 indicator variable is set at 0% for months 8 • 9 prior to April 2020 and varying levels of 0% to 100% for the months of April 2020 10 through September 2021 depending on the varying levels of COVID-19 impacts on 11 water consumption observed in the residential, commercial, and municipal 12 customer classes. The effect of this variable in the model is to look specifically for 13 increases or decreases in use per customer for the April 2020 through September 14 2021 timeframe that may have happened due to systemic changes in the amounts 15 of water customers use as a result of the COVID-19 public health emergency.
- <u>Monthly indicators:</u> The monthly indicator variables in the model measure structural monthly and/or seasonal changes in use per customer that cannot be explained by any of the other variables in the model.
- 19

20

Q. What information do these models provide that is useful for developing pro forma adjustments to revenues that you are sponsoring in your testimony?

A. Each model produces a set of weather coefficients that can be used to weather-normalize historical sales for the base period of calendar year 2021, a coefficient that indicates the monthly trend in declining use per customer for each class, and a coefficient that shows for

2

each class the average use per customer impact associated with changes in usage due to COVID-19.

3 Q. You mentioned that you have developed models for customer usage relating to the 4 residential, commercial, and municipal classes. Are you also modeling usage for the 5 industrial and sales for resale customer classes, and for fire service classes?

A. No. The statistical modeling in this case is only for the residential, commercial, and
 municipal classes. Usage estimates for the industrial and sales for resale classes are
 developed using a simple multi-year average and are described later in the revenue section
 of my testimony.

10 Q. Is this modeling approach different from the modeling approaches that have been 11 used by the Company in previous rate cases in Pennsylvania?

A. Yes. The modeling approach proposed in this case is a monthly model with 12 monthly data points for each of the 10 years covered in the model, which results in models with 120 historical data points. Modeling approaches in previous rate cases relied on ten years of data but used an annual modeling approach where there was only one data point for each year which resulted in models with 10 historical data points.

Q. Why is the Company proposing to move from an annual model with one data point for each year to a monthly model with 120 historical data points?

A. The Company is moving to a monthly modeling approach to improve the accuracy of the
modeling process. Monthly modeling that incorporates monthly weather information and
that allows for monitoring of customer usage from month to month significantly improves
the Company's ability to understand the impacts of weather on customer usage.
Additionally, this approach allows for a more detailed analysis of other factors that affect

customer usage like the COVID-19 emergency. This approach to modeling significantly
 improves the accuracy of the Company's analysis of customer usage.

3 Q. You previously discussed the various statistical tests used for accuracy and 4 predictability. Please discuss the results of these tests for your models and why they 5 are appropriate to use in this proceeding.

- A. As shown in Exhibits CBR-5, CBR-6, and CBR-7, the Adjusted R-Squared statistics for
 the residential usage model is 85%, the Adjusted R-Squared statistic for the commercial
 usage model is 83%, and the Adjusted R-Squared statistic for the municipal model is 76%.
 This indicates that in all models, the explanatory variables (weather, COVID-19 impacts,
 declining use, etc.) strongly explain the variability in use per customer over time. The
 values of the coefficients, standard errors, and t-statistics for the major explanatory
 variables in the models are as follows:
- 13

Residential Model Major	~	Standard	~
Explanatory Variables	Coefficient	Error	t-Statistic
Declining Use Trend	-0.0052	0.0004	-12.1778
Precipitation	-0.0322	0.0094	-3.4382
CDD	0.0017	0.0004	3.9527
HDD	0.0004	0.0001	2.7209
COVID-19 Impact	0.2174	0.0385	5.6469

Commercial Model Major		Standard	
Explanatory Variables	Coefficient	Error	t-Statistic
Declining Use Trend	-0.0163	0.0037	-4.4499
Precipitation	-0.1905	0.0775	-2.4587
CDD	0.0063	0.0032	2.0066
COVID-19 Impact	-1.8426	0.3322	-5.5472

Municipal Model Major		Standard	
Explanatory Variables	Coefficient	Error	t-Statistic
Declining Use Trend	-0.0428	0.0163	-2.6178
Precipitation	-0.7914	0.3452	-2.2927
CDD	0.0364	0.0141	2.5810
COVID-19 Impact	-12.5105	1.4801	-8.4523

1 The statistics for the individual explanatory independent variables above show a high 2 degree of explanatory power with t-statistics all outside of the +/-2.00 range. Signs for the 3 trend variables are both negative, meaning that usage has been going down steadily over 4 time once weather effects and the effects of COVID-19 have been accounted for. The sign 5 for the precipitation variable in the residential model is also negative as expected, meaning 6 that more rainfall over a summer period results in less seasonal water usage from our 7 residential customers. Signs for the CDD and HDD variables are positive, which indicates 8 that the hotter the weather gets in the summer or the colder the weather gets in the winter, 9 customers use more water, which is expected, and the COVID-19 impact variables indicate 10 that residential usage went up as a result of COVID-19 and usage for commercial 11 customers went down.

12 Q. Your regression models show a trend of declining use per customer. What is the 13 amount of declining use your models have identified?

A. The annual amount of declining use identified for residential customers is approximately
 750 gallons per year per customer. The annual amount of declining use identified for
 commercial customers is approximately 2,350 gallons per year per customer and
 approximately 6,160 gallons per year per customer for municipal customers.

Q. Why do you believe that declining use is a valid trend that will continue?

2 A. Consumption patterns for the Company's customers are similar to those for other American 3 Water operating companies which have experienced a decline in residential consumption 4 per customer averaging approximately -2.0% per year over the last 10 years. Commercial 5 and municipal customers also experienced declines in usage, although usually not of the 6 same magnitude. According to the 2010 Water Research Foundation report, "many water 7 utilities across the United States and elsewhere are experiencing declining water sales 8 among households." The report further states: "A pervasive decline in household 9 consumption has been determined at the national and regional levels."8

10 Q. What is causing the decline in residential, commercial, and municipal customers' 11 usage?

A. Several factors drive the decline in residential customers' usage. These factors include the incremental introduction of low-flow fixtures and appliances, new regulations that lead to further reductions in fixture flow-rates, conservation programs and public initiatives that have led to greater consumer water conservation awareness. Commercial and municipal customers also avail themselves of more efficient fixtures and appliances.

Plumbing fixtures such as toilets, showerheads, and faucets available to consumers today are more water-efficient than were those fixtures manufactured in the past. Similarly, appliances such as dishwashers and washing machines are also more water-efficient. When a customer replaces an older toilet, washing machine, or dishwasher with a new unit, the new unit will almost certainly use less water than the one it replaced. This is equally true

⁸ Coomes, Paul et al., North America Residential Water Usage Trends Since 1992 – Project #4031, page 1 (Water Research Foundation, 2010).

for commercial customers. Similarly, construction of new homes or business
 establishments results in the installation of water efficient fixtures meeting new, more
 efficient, regulatory standards.

4 Q. How much water do the new fixtures and appliances save?

5 A. The Energy Policy Act of 1992 mandated the manufacture of water-efficient toilets, 6 showerheads, and faucet fixtures. For example, a toilet manufactured after 1994 must use 7 no more than 1.6 gallons per flush, compared to a pre-1994 toilet, which typically used 8 from 3.5 to 7 gallons per flush. In fact, toilets using only 1.28 gallons per flush or less are 9 becoming more prevalent in the marketplace. Replacing an old toilet with a new one, 10 therefore, can save from 2 to nearly 6 gallons per flush. The United States Environmental 11 Protection Agency estimates that there are more than 220 million toilets in the United 12 States, and that approximately 10 million new toilets are sold each year for installation in 13 new homes and businesses or replacement of aging fixtures in existing homes and businesses. 14

The Energy Independence & Security Act of 2007, which established stringent efficiency standards for dishwashers and washing machines, has further reduced indoor water consumption. Dishwashers manufactured after 2009 and washing machines manufactured after 2010 must use 54% and 30% less water, respectively. All other factors being equal, a typical residential household in a new home constructed in 2015, with water efficient toilets, washing machines, dishwashers, and other fixtures, uses approximately 35% less water for indoor purposes than a non-retrofitted home built prior to 1994.

Q. Are there other factors contributing to the continued decline in water consumption 2 patterns?

3 Yes. Programs to raise customer awareness and interest in the benefits of conserving water A. 4 and energy continue to increase. As awareness of water and energy efficiency increases, 5 customers may decide to replace a fixture or appliance even before it has broken. 6 Additionally, customers may further reduce consumption by changing their household or 7 business water use habits in other various ways.

8

Do you expect the trend of declining customer usage to continue in the future? **Q**.

9 A. Yes. Water efficient fixtures and other drivers such as conservation education and 10 government-mandated standards will continue to drive further efficiency into residential 11 and nonresidential usage per customer. In fact, the trend is well established and continues 12 to affect water usage on the PAWC system as well as most water utilities across the United 13 States. The rate of the continued trend is dependent on the pace of fixture replacement within the Company's footprint as well as the broadening acceptance of a conservation 14 15 ethic through raised customer and business awareness programs, government conservation 16 policy, and similar behavior modification related programs.

17 Technology is now available for newer, more water efficient products that further 18 improve on Energy Policy Act levels, and there has been a growing movement to codify 19 these more stringent specifications. The introduction of progressive code modifications -20 such as the International Code Council's International Green Construction Code and the 21 International Association of Plumbing and Mechanical Officials Green Plumbing and 22 Mechanical Code Supplement (2011) – support uniform implementation of increased water 23 efficiency standards. An article in the June 2012 issue of the American Water Works

Association ("AWWA") Journal entitled "Insights into declining single-family residential water demands" recognizes this decline in water consumption: "[r]educed residential demand is a cornerstone of future urban water resource management. Great progress has been made in the last 15 years and the industry appears poised to realize further demand reductions in the future."⁹ The trend of declining water consumption based on improved water efficiency has continued over time.

Q. Based on your modeling, what impact did weather have on residential, commercial and municipal usage during the Historic Test Year?

9 A. Weather (as defined by CDDs, HDDs, and precipitation) in the PAWC service territory
10 was somewhat hotter and warmer than normal during the Historic Test Year, which
11 indicates that overall a net negative adjustment to residential, commercial, and municipal
12 usage is appropriate. The following table shows the weather adjustment, in gallons per
13 customer. The Company is proposing to bring usage levels for residential, commercial,
14 and municipal customers more in line with normal weather for the Fully Projected Test
15 Year.

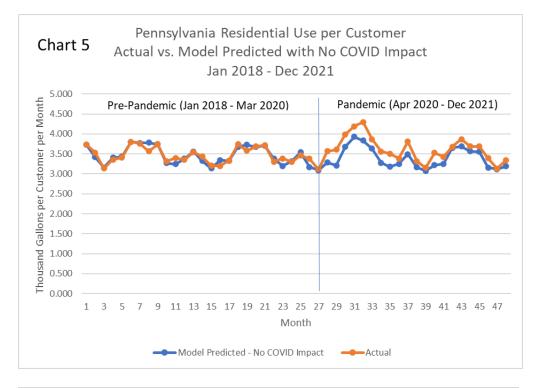
Weather Component	Residential	Commercial	Municipal
Precipitation	-41	-236	-981
CDD	77	302	1,732
HDD	47	N/A	N/A
Total	84	66	752

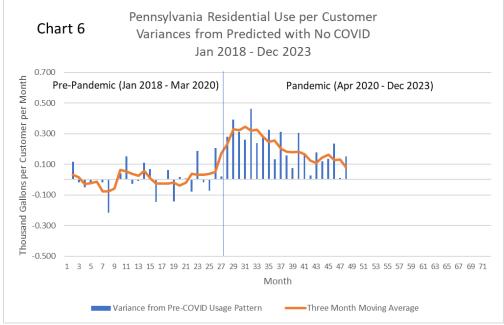
16 Q. What impact did COVID-19 have on residential usage during the Historic Test Year?

A. The COVID-19 public health emergency had a significant impact on residential usage
during the Test Year and is continuing to have an impact on residential usage today. Chart

⁹ DeOreo, William and Mayer, Peter. American Water Works Association Journal. Vol. 104. Issue 6. http://apps.awwa.org/WaterLibrary/showabstract.aspx?an=JAW_0076117. June 2012

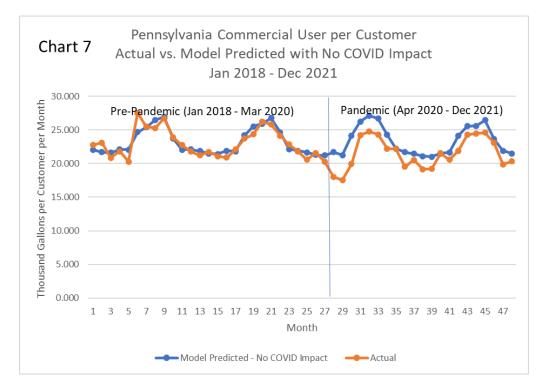
1 5 and Chart 6 below show COVID-19's impact on residential usage. Chart 5 shows actual 2 use per customer from January 2018 through March 2020 (pre-COVID-19) and then from 3 April 2020 through December 2021. Chart 5 also contains a baseline usage, or model-4 predicted usage, for the same time periods assuming no COVID-related impact. Chart 6 5 shows the differences between actuals and baseline usage (no COVID-19 impact) for the 6 same periods with the chart in Chart 6 extending out through the end of the Fully Projected 7 Test Year to provide context on the amount of time that remains for COVID-19 impacts to 8 fully normalize. The data show that residential usage went up significantly in the Spring 9 and Summer of 2020 due to the public health emergency. We estimate that the total 10 COVID-19-related impact on residential use per customer during the Historic Test Year 11 (12 months ended December 31, 2021) was a positive 1,796 gallons per customer. The 12 COVID-19-related impact on residential use per customer peaked in August 2020 at 13 approximately 500 gallons per customer per month and has abated since that time. Based on the continuing trend in the abatement of COVID-19-related impacts, we expect 14 15 residential usage patterns to be consistent with pre-pandemic usage patterns during 2023 16 and, therefore, will be 1,796 gallons per customer lower than Historic Test Year usage due 17 to a return to pre-COVID patterns.

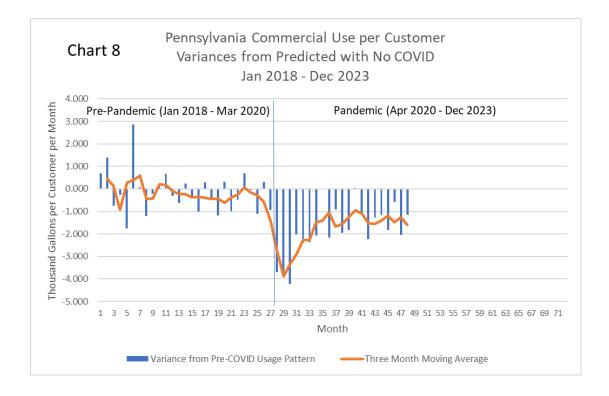




Q. What impact did COVID-19 have on commercial usage during the Historic Test Year?

3 Chart 7 and Chart 8 show the impact that COVID-19 has had on commercial usage. Chart 7 A. 4 shows actual commercial use per customer from January 2018 through March 2020 (pre-5 COVID-19) and then from April 2020 through December 2021. Chart 7 also contains a 6 baseline usage, or model-predicted usage, for the same time periods assuming no COVID-7 related impact. Chart 8 shows the differences between actuals and baseline usage (no 8 COVID-19 impact) for the same periods. These data show that there was a significant drop 9 in commercial usage in the three-month period from April through June 2020 after the 10 public health emergency began, with a partial return to pre-pandemic usage levels after 11 June 2020. We estimate that the total COVID-related impact on commercial use per 12 customer during the Test Year was 16,548 gallons per customer.

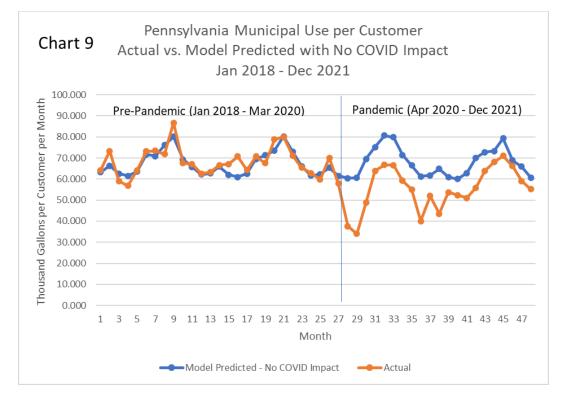


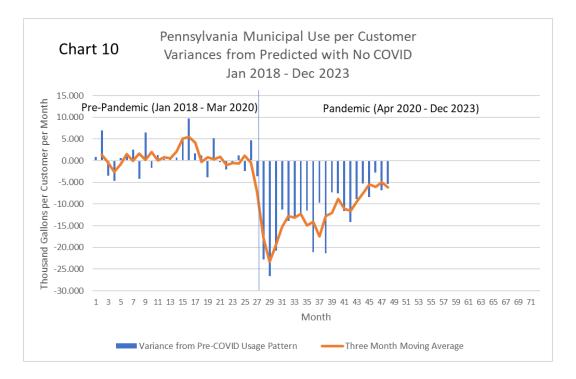


1 Q. What impact did COVID-19 have on municipal usage during the Historic Test Year?

2 Α. The COVID-19 public health emergency had a significant impact on municipal usage 3 during the Test Year and is continuing to have an impact on municipal usage today. Charts 9 and 10 below show the impact that COVID-19 has had on municipal usage. Chart 9 4 5 shows actual use per customer from January 2018 through March 2020 (pre-COVID-19) and then from April 2020 through December 2021. Chart 9 also contains a baseline usage, 6 7 or model-predicted usage, for the same time periods assuming no COVID-related impact. 8 Chart 10 shows the differences between actuals and baseline usage (no COVID-19 impact) 9 for the same periods with the chart in Chart 10 extending out through the end of the Fully 10 Projected Test Year to provide context on the amount of time that remains for COVID-19 11 impacts to fully normalize. The data show that municipal usage went down significantly 12 in the Spring and Summer of 2020 due to the public health emergency. We estimate that 13 the total COVID-19-related impact on residential use per customer during the Historic Test

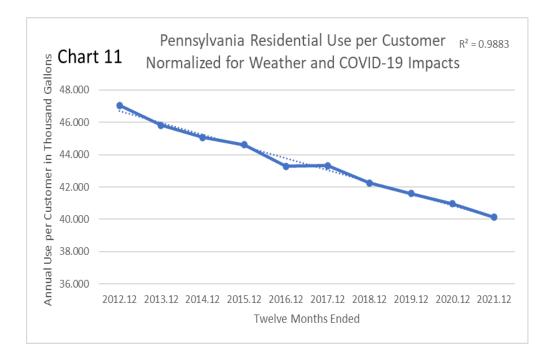
1	Year (12 months ended December 31, 2021) was a negative 113,254 gallons per customer.
2	The COVID-19-related impact on residential use per customer peaked immediately after
3	the onset of the pandemic at approximately 25,000 gallons per customer per month and has
4	abated since that time. Based on the continuing trend in the abatement of COVID-19-
5	related impacts, we expect municipal usage patterns to be consistent with pre-pandemic
6	usage patterns during 2023 and therefore will be 113,254 gallons per customer higher than
7	Test Year usage due to a return to pre-COVID patterns.

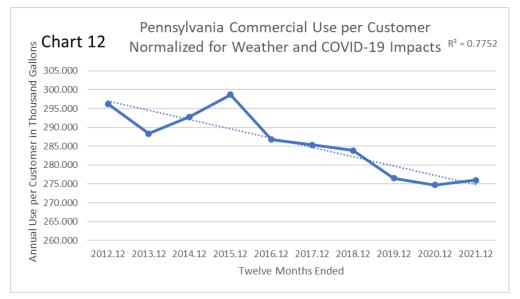


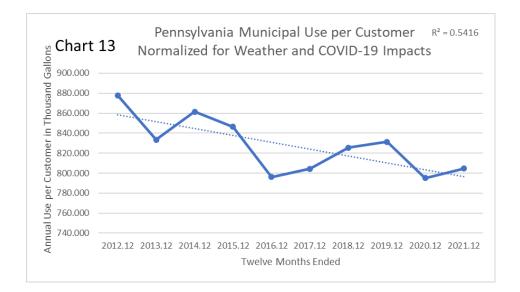


Q. What does your analysis of residential, commercial, and municipal usage show in terms of declining usage?

3 A. The statistical analysis of residential, commercial, and municipal usage shows that once 4 weather effects and the one-time effects of COVID-19 have been accounted for, there is a 5 significant downward trend in all three classes. Charts 11 through 13 below show use per 6 customer for residential, commercial, and municipal customers respectively for the ten 7 years ending December 2021 adjusted for the weather impacts and COVID-19 impacts I 8 have previously described in my testimony. In all cases, there is a significant and pervasive 9 downward trend. Modeling shows that the annual amount of declining use identified for 10 residential customers is approximately 750 gallons per year per customer. The annual 11 amount of declining use identified for commercial customers is approximately 12 2,350 gallons per year per customer and approximately 6,160 gallons per year per customer 13 for municipal customers.







1Q.Please summarize the adjustments for water service for residential, commercial, and2municipal customers based on your statistical modeling that go from Historic Test3Year to Fully Projected Test Year use per customer.

A. The total adjustments for weather, declining use, and COVID impacts for residential,
commercial, and municipal use per customer to get from usage for the 12-month period
ending December 2021 to the Fully Projected Test Year 12-month period ended December
2023 are as follows:

Adjustment (gallons per customer)	Residential	Commercial	Municipal
Weather	-84	-66	-752
COVID-19 (net)	-1,796	16,548	113,254
Declining Use	-1,576	-5,265	-16,364
Total	-3,456	11,217	96,139

8

REVENUE CALCULATIONS

- 9 Q. Please explain the development of pro forma revenues as set forth in Exhibit No. 3-A
- 10 for Water Operations.
- A. The process of developing the Company's revenue claim begins with revenues recorded
 on the Company's books of account at December 31, 2021, to which various adjustments

1		were made. Exhibit No. 3-A shows a summary of the development of pro forma revenues
2		for Water Operations excluding Steelton under present and proposed rates for the Historic
3		Test Year ended December 31, 2021, the Future Test Year ending December 31, 2022, and
4		the Fully Projected Future Test Year ending December 31, 2023.
5		Additionally, for each of the test years, Exhibit No. 3-A includes a schedule
6		showing operating revenues by customer classification as well as a schedule showing a
7		summary of the various adjustments made to book operating revenues to arrive at pro forma
8		operating revenues under present rates.
9	Q.	Does Exhibit No. 3-A show a similar development of pro forma revenues for revenue
10		requirements other than for water operations?
11	А.	Yes. The revenue schedules described above are also provided for the five wastewater
12		revenue requirements:
13		• SSS Systems
14		CSS Systems
15		• Rate Zone 10: Royersford
16		York Acquisition
17		• Upper Pottsgrove Acquisition
18	Q.	Please explain the various adjustments to the Company's book revenues that were
19		made to develop pro forma sales and revenues under present and proposed rates for
20		the Company's water and wastewater operations.
21	А.	The following adjustments were made to per-book 2021 revenues by class:
22		• Adjustment 2a: TCJA EADIT Recoupment Adjustment
23		• Adjustment 2b: Unbilled TCJA Stub Revenue Adjustment

1	• Adjustment 2c:	DSIC Annualization Adjustment
2	• Adjustment 2d:	Annualization Rate Change Adjustment for 2021
3	• Adjustment 2e:	Private Fire Adjustment
4	• Adjustment 2f:	Public Fire Adjustment
5	• Adjustment 2g:	Changes in Customers
6	• Adjustment 2h:	Usage Trend Adjustment
7	• Adjustment 2i:	Annualization Adjustment for Valley Water
8	• Adjustment 2j:	Annualization Adjustment for Valley Wastewater
9	• Adjustment 2k:	Annualization Adjustment for Royersford Wastewater
10	• Adjustment 21:	Annualization Adjustment for SLIBCO
11	• Adjustment 2m:	Annualization Adjustment for Delaware Sewer Company
12	• Adjustment 2n:	Annualization Rate Change Adjustment for 2022
13	• Adjustment 20:	Rental Income Adjustment
14	• Adjustment 2p:	Intercompany Rental Adjustment
15	• Adjustment 2q:	Usage Data Revenue Adjustment
16	• Adjustment 2r:	Specific Customer Adjustments
17	• Adjustment 2s:	Acquisition Adjustment for Upper Pottsgrove Wastewater
18	• Adjustment 2t:	Acquisition Adjustment for Findlay Township Bulk Water
19	• Adjustment 2u:	Acquisition Adjustment for Foster Township Wastewater
20	• Adjustment 2v:	Acquisition Adjustment for City of York Wastewater
21	• Adjustment 2w:	Acquisition Adjustment for Creekside Development
22	• Adjustment 2x:	Shale Gas Commercial Usage Adjustment
23	• Adjustment 2y:	Late Payment Fee Adjustment

Q,

Please describe the TCJA EADIT Recoupment Adjustment in Schedule 2a.

2 A. The TCJA EADIT Recoupment adjustment is made to eliminate booked revenues in 2021 3 associated with the TCJA tax credit, EADIT, and the recoupment surcharges. The amount 4 of the adjustments for 2021 for water operations is \$11,974,795. The amount of the 5 adjustment for 2021 for SSS wastewater operations is \$212,323. The amount of the adjustment for 2021 for CSS wastewater operations is \$110,276. 6

7 0, Please describe the Unbilled TCJA Stub Revenue Adjustment in Schedule 2b.

- 8 The Unbilled TCJA Stub Revenue adjustment is made to eliminate unbilled revenues that A. 9 were accrued for 2021 as well as TCJA Stub Revenues. The amount of the adjustment for 10 2021 for water operations is -\$7,720,052. The amount of the adjustment for 2021 for SSS 11 wastewater operations is -\$615,082. The amount of the adjustment for 2021 for CSS 12 wastewater operations is -\$682,553. The amount of the adjustment for 2021 for Royersford 13 wastewater is -\$34,097.
- 14

Q, Please describe the DSIC Annualization Adjustment in Schedule 2c.

15 The DSIC Annualization adjustment is made to eliminate the Distribution System A. 16 Improvement Charge ("DSIC") revenues per book for the 12 months ended December 31, 2021 in order to reset the DSIC to zero. The 2022 pro forma revenue adjustment is to 17 18 annualize the DSIC revenues for 2022 based on the Company's pro forma level rate of 19 3.08% for water and 4.12% for wastewater. The adjustments by year and by system are as 20 follows:

	1	
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System Adjustments	2021	2022	Total
Water Operations	-\$3,558,754	\$20,708,461	\$17,149,707
SSS Wastewater Operations	-\$211,797	\$1,589,217	\$1,377,419
CSS Wastewater Operations	-\$265,036	\$2,003,183	\$1,738,146
Total	-4,035,588	\$24,300,860	\$20,265,272

2 Q. Please describe the Annualization Rate Change Adjustment for 2021 in Schedule 2d.

A. This revenue adjustment is made to 2021 revenues to reflect the annualization of new base
rates for water and wastewater service that took effect on January 28, 2021. The
adjustments by customer class and system are as follows:

		SSS	CSS
2021 Class Adjustments	Water	Wastewater	Wastewater
Residential	\$4,055,883	\$541,041	\$692,369
Commercial	\$1,133,920	\$26,743	\$148,398
Industrial	\$196,813	-\$13,119	-\$1,756
Municipal	-\$42,039	-\$4,748	-\$16,942
Sales for Resale	-\$11,529		
Bulk		-\$48,027	\$36,660
Total	\$5,333,047	\$501,890	\$858,731

6 Q. Please describe the Private Fire Revenue Adjustment in Schedule 2e.

A. This adjustment is being made to reflect the annualization of private fire revenues for the
calendar years 2021, 2022 and 2023, and an adjustment of private fire DSIC revenues. This
revenue adjustment is being made to reflect the annualization of rates for private fire
service based upon the number of customers receiving such service at December 31, 2021.
The Company is not projecting a change in the number of customers for 2022 through
2023. The change in revenues are due to annualization of the change in rates in 2021 and
2022. The total adjustment is \$156,956 for 2021 and \$77,030 for 2022.

Q. Please describe the Public Fire Revenue Adjustment in Schedule 2f.

A. This adjustment is being made to reflect the annualization of rates and revenues for public
fire service based on the number of customers and hydrants as of December 31, 2021 and
as projected for calendar years 2022 and 2023. The revenue adjustments for 2021, 2022,
and 2023 are \$135,478, \$31,986, and \$31,986, respectively.

6 Q. Please describe the adjustment in Schedule 2g for changes in the number of 7 customers.

A. This adjustment is being made to reflect expected increases in the number of residential
and commercial customers for water service exclusive of acquisitions. Customer growth
in the residential and commercial classes from 2021 is estimated based on a five-year
historical growth pattern in these customer classes. The revenue adjustments themselves
were calculated by applying the average annual consumption per residential and
commercial customer to projected increases in customers for 2021, 2022, and 2023. The
total adjustments by class are as follows:

Class	2021	2022	2023
Residential	\$742,892	\$1,270,838	\$2,541,658
Commercial	-\$201,522	\$249,959	\$499,935
Total	\$541,370	\$1,520,796	\$3,041,592

15 Q. Please describe the Usage Trend Adjustment in Schedule 2h.

16 A. This adjustment is being made to reflect changes in usage for residential, commercial, and 17 municipal customers that have described previously in testimony. These changes 18 incorporate weather normalization, COVID normalization, and adjustments for trends in 19 declining use that I have previously described. The adjustments apply to both water and 20 wastewater operations. The revenue adjustments are made by multiplying usage adjustments by expected customer counts, breaking out the resulting total adjustments in
 usage for these classes by rate step and applying rates to the resulting adjustments in order
 to get revenue adjustments for 2021, 2022, and 2023. The total adjustments by class are
 as follows:

Water Adjustments	2021	2022	2023
Residential	-\$15,208,167	-\$7,280,373	-\$5,618,771
Commercial	\$7,906,574	-\$1,414,010	-\$1,142,381
Municipal	\$2,302,593	-\$140,415	-\$130,237
Total	-\$4,998,999	-\$8,834,798	-\$6,891,389

5

SSS Wastewater Adjustments	2022	2023
Residential	-\$507,463	-\$391,147
Commercial	-\$65,594	-\$52,653
Municipal	-\$5,269	-\$4,911
Total	-\$578,326	-\$448,711

6

CSS Wastewater Adjustments	2022	2023
Residential	-\$438,638	-\$338,097
Commercial	-\$119,921	-\$96,263
Municipal	-\$6,021	-\$5,612
Total	-\$564,580	-\$439,972

7 Q. Please describe the Valley Water adjustment in Schedule 2i.

A. On November 19, 2021, the Company closed on the acquisition of the water utility property
of Valley Township and began providing direct service to that entity's customers. This
adjustment annualizes the water revenues associated with this acquisition and removes
revenues associated with bulk water sales to Valley Township. The annualization is based
on customer counts and meter counts by customer class as of December 2021 and average
monthly usage recorded during 2021. The total water adjustment is \$293,440 for 2021.

1

Q. Please describe the Valley Wastewater adjustment in Schedule 2j.

A. On November 19, 2021, the Company closed on the acquisition of the wastewater utility
property of Valley Township and began providing direct service to that entity's customers.
This adjustment annualizes the wastewater revenues associated with this acquisition and
removes revenues associated with bulk wastewater sales to Valley Township. The
annualization is based on equivalent dwelling units ("EDUs") and customer counts by
customer class as of January 2022 and average monthly usage recorded in December 2021
and January 2022. The total wastewater adjustment is -\$562,263 for 2021.

9 Q. Please describe the Royersford Wastewater adjustment in Schedule 2k.

A. On May 25, 2021, the Company closed on the acquisition of the wastewater utility property
 of Royersford Borough and began providing direct service to that entity's customers. This
 adjustment annualizes the wastewater revenues associated with this acquisition. The
 annualization is based on EDUs and customer counts by customer class as of December
 2021 and average monthly usage recorded for the period July through December 2021.
 The total wastewater adjustment is \$358,223 for 2021.

16 Q. Please describe the SLIBCO Water adjustment in Schedule 21.

A. On November 19, 2021, the Company closed on the acquisition of the water utility property
 of the SLIBCO/GCC Water Cooperative and began providing direct service to that entity's
 customers. This adjustment annualizes the water revenues associated with this acquisition.
 The annualization is based on customer counts and meter counts by customer class as of
 December 2021. The total water adjustment is \$56,345 for 2021.

1

Q. Please describe the Delaware Sewer Wastewater adjustment in Schedule 2m.

A. On May 13, 2021, the Company closed on the acquisition of the wastewater utility property
of the Delaware Sewer Company and began providing direct service to that entity's
customers. This adjustment annualizes the wastewater revenues associated with this
acquisition. The annualization is based on customer counts and meter counts by customer
class as of December 2021. The total water adjustment is \$11,509 for 2021.

7 Q. Please describe the Annualization Rate Change Adjustment for 2022 in Schedule 2n.

8 A. This revenue adjustment is made to 2021 revenues to reflect the annualization of new base
9 rates for water and wastewater service that took effect on January 28, 2021. The
10 adjustments by customer class and system are as follows:

		SSS	CSS
2022 Class Adjustments	Water	Wastewater	Wastewater
Residential	\$6,397,520	\$3,710,408	\$3,789,557
Commercial	\$2,342,307	\$1,032,859	\$1,545,436
Industrial	\$375,113	\$70,413	\$150,600
Municipal	\$97,107	\$104,300	\$84,490
Sales for Resale	\$3,729		
Bulk		\$23,245	\$530,247
Total	\$9,215,776	\$4,941,225	\$6,100,329

11 Q. Please describe the adjustment in Schedule 20 for rental income.

A. The Company receives money from cellular phone providers for the lease of space on top
 of its water towers for the placement of antennas. An adjustment is being made, which
 represents the difference between revenues that were recorded in 2021 for cell tower rental
 income and revenues expected to be recorded as cell tower rental income in 2022 and 2023.
 These adjustments are \$28,145 for 2022 and \$41,886 for 2023. Additionally, the Company
 receives money for the rights to land that it owns for tree harvesting. An adjustment is also

being made, which represents the difference between revenues that were recorded as timber
rights revenue income in 2021 and the revenue that is expected to be recorded as timber
rights revenue income in 2022 and 2023. These amounts are -\$347,605 in 2022 and \$254,392 in 2023. The total combined adjustments for rental income for 2022 and 2023
are -\$319,460 and -\$212,507. These adjustments are made only to revenue for water
operations.

7

Q. Please describe the adjustment in Schedule 2p for intercompany rental revenue.

A. PAWC charges the AWWSC for Service Company employees that work in PAWC's
Stafford Avenue and Mechanicsburg offices. An adjustment is being made, which
represents the difference between revenues that were recorded in 2021 according to the
intercompany rental agreement of \$523,644 and the revenue that is expected to be recorded
as intercompany office rental income in 2022 and 2023 from this agreement. The
additional adjustment for annual revenue in 2022 is \$11,043 and is \$15,101 for 2023. This
adjustment is made only to revenue for water operations.

Q. Please describe the adjustment in Schedule 2q for fees associated with the provision of usage data.

A. The Company supplies water usage data to certain municipalities so that these
municipalities can bill their residents for sewer service. The Company made an adjustment
to 2021 book revenues for the provision of usage data to eliminate revenues from localities
no longer using the service. This adjustment for 2021 was to reduce usage data revenue
by \$3,354. The Company increases these fees annually based on changes in the Consumer
Price Index ("CPI"). An adjustment is being made for 2022 revenues to reflect a CPI of
7.04% for 2022. The adjustment amount for 2022 is to increase usage data revenue by

\$27,668. For 2023, the CPI adjustment is based on a five-year average of CPI data from
 2017 to 2021 of 2.94%. The additional adjustment for revenue in 2023 is \$12,360. This
 adjustment is made only to revenue for water operations.

4 Q, Please describe the Customer Adjustments in Schedule 2r.

A. The adjustments to revenues in Schedule 2r are for specific and individual Industrial
Standby and Resale Standby water customers to account for changes in rates and terms per
specific contract agreements, and, in the case of the CSS adjustment, to annualize revenues
for 2021 to account for certain billing anomalies and to reflect a full 12 months of billing
data. The total adjustments for 2021, 2022, and 2023 for present rates for water customers
are \$63,338,\$146,669, and \$143,051, respectively. The CSS wastewater adjustment for
2023 is \$33,245.

Q. Please describe the Upper Pottsgrove Wastewater Acquisition Adjustment in Schedule 2s.

A. During 2022, the Company anticipates it will close on the acquisition of the wastewater
utility property of Upper Pottsgrove and will begin providing service to these customers.
This adjustment estimates annualized revenues associated with this acquisition. The total
amount of the adjustment is \$1,325,220 at present rates for 2022 and \$15,600 for 2023.

Q. Please describe the Findlay Township Municipal Authority Adjustment in Schedule 2t.

A. During 2022, the Company anticipates it will close on a bulk water supply agreement with the Findlay Township Municipal Authority. This adjustment reflects the Company's estimate of annualized revenues that will be produced by this agreement following the 1

2

closing of this transaction. The total amount of the adjustment is \$533,813 at present rates for 2022 and \$13,015 at present rates for 2023.

3

Q. Please describe the Foster Township Acquisition Adjustment in Schedule 2u.

A. During 2022, the Company anticipates it will close on the acquisition of the wastewater
utility property of Foster Township and will begin providing service to these customers.
This adjustment is based on the Company's estimate of the annualized revenues that will
be produced following the closing on this acquisition. The total amount of the adjustment
is \$842,520 at present rates for 2022.

9 Q. Please describe the York City Acquisition Adjustment in Schedule 2v.

A. During 2022, the Company anticipates it will close on the acquisition of the wastewater
utility property of the City of York and will begin providing service to these customers.
This adjustment is based on the Company's estimate of the annualized revenues that will
be produced following the closing on this acquisition. The total amount of the adjustment
is \$18,639,615 at present rates for 2022.

15 Q. Please describe the Creekside Development Acquisition Adjustment in Schedule 2w.

A. During 2022, the Company anticipates closing on the water utility property of the
 Creekside Development and will begin providing service to these customers. This
 adjustment is based on the Company's estimate of the annualized revenues that will be
 produced following the closing on this acquisition. The total amount of the adjustment is

20 \$20,397 at present rates for 2022 and \$30,614 at present rates for 2023.

21 Q. Please describe the Shale Gas Usage Adjustment in Schedule 2x.

A. In 2009, the Company began selling water to gas drillers for use in their drilling and
 hydraulic fracturing operations. The annual usage for this type of operation can fluctuate

significantly from year to year, and sales for 2021 for this service were high compared to
 previous years. This adjustment normalizes sales for this service assuming a three-year
 average of sales from calendar years 2019 through 2021.

4 Q, Please describe the Late Payment Fee Adjustment in Schedule 2y.

A. The Company charges Late Payment Fees to customers. The Late Payment Fee adjustment
adjusts late payment fee revenues for 2021 through 2023 based on a calculation of the ratio
(expressed as a percentage) of late payment fees to total revenues, excluding other
operating revenues, for the three-year period of 2017-2019. This percentage was used to
calculate Late Payment Fees by applying the percentage to annualized 2021 revenues as
well as pro forma 2022 and 2023 revenues. The adjustments by system and year are as
follows:

System Adjustments	2021	2022	2023
Water Operations	\$8,189,348	\$140,655	-\$22,669
SSS Wastewater Operations	\$91,670	\$42,419	-\$2,801
CSS Wastewater Operations	\$84,293	\$47,066	-\$2,747
Royersford	\$2,299	\$0	\$0
Upper Pottsgrove	\$0	\$8,273	\$0
York	\$0	\$116,367	\$0
Total	\$8,368,240	\$354,780	-\$28,120

12

REVENUE STABILIZATION MECHANISM

13 **O**

Q. What is a Revenue Stabilization Mechanism?

A. A Revenue Stabilization Mechanism ("RSM") is an accounting and ratemaking tool that is
 designed to align the Company's revenues going forward (i.e., beyond the conclusion of
 this proceeding) with the level of authorized revenue ultimately approved by the
 Commission. This mechanism stabilizes changes in revenues resulting from changes in

volumes of water sold to customers on an ongoing basis due to factors largely beyond the
 control of the Company.

3 Q. How does an RSM work?

4 An RSM adjusts rates up or down over time so that the revenue the Company collects is A. 5 consistent with the revenue requirement approved by the Commission for water and 6 wastewater service in this proceeding. In any given year after final rates are approved in 7 this case, the Company's revenue collected in that year is compared to the Commission-8 approved level of authorized revenue. If revenues exceed the authorized level, the 9 difference (less the incremental production cost of water) is credited to customers in the 10 next year through a one-time credit provided through the RSM adjustment (see pages 40 11 and 40.1 of the proposed Water Tariff and pages 19 and 19.1 of the proposed Wastewater 12 Tariff). If revenues fall short of the authorized level, the difference (less the incremental 13 production cost of water) is collected from customers in the next year through the same 14 RSM adjustment. The RSM ensures that the Company collects an annual revenue amount 15 consistent with the authorized revenue amount in this case and that customers in total pay 16 the revenue level found appropriate to produce just and reasonable rates.

17 Q. Is ongoing revenue volatility a significant concern?

A. Yes. Approximately 75% of the Company's water and wastewater service revenues will
be collected under volumetric rates under the Company's proposed rate structure in this
case, which means that revenues will vary up or down depending on how much water our
customers use. At the same time, over 90% of the Company's costs are fixed costs, which
do not vary depending on how much water our customers use. If water sales are less than
the levels used to set the Company's water service rates in this proceeding, the Company's

revenues will be less than the authorized level in this proceeding, and as a result, the Company's ability to recover the costs that the Commission determines to be prudent will be diminished. Likewise, if revenues exceed the authorized level in this proceeding due to higher than anticipated water sales, the Company will recover more than the authorized level in this proceeding. The RSM will permit the Company to recover the level of revenue authorized in this case, as the difference between that amount and actual revenues will be charged or credited back to customers in the subsequent year.

8

Q. What are the external factors that cause revenues to be volatile from year to year?

9 A. There are two primary factors that cause revenue volatility from year to year -- seasonal 10 weather conditions and the ongoing trend of declining use for residential, commercial, and 11 municipal customers.

12 Seasonal weather conditions can cause water sales to either increase or decrease 13 from expected going-forward levels, which, in turn, cause revenues to increase or decrease 14 from expected going levels. Cold winters and hot dry summers tend to increase water sales, 15 and warmer winters and cooler wetter summers tend to decrease water sales. Weather 16 volatility in either direction causes volatility in revenues.

Continuing trends in declining use per customer in the residential, commercial, and municipal classes also cause volatility in revenues. I have previously testified to both the impact of weather conditions on annual water sales and on the continuing trends in declining use and the associated impact of declining use on water sales. It is expected that water consumption per customer will continue to decline over the next several years. Both of these conditions cause declines in revenues, and it is expected that both total consumption on a per customer basis, and revenue on a per customer basis will continue to

decline well beyond the period of time for which a revenue requirement is approved and
 rates are set in this case.

3 Q. Does the Company have any control over either seasonal weather conditions or the drivers that are causing declining usage?

5 A. No, it does not.

6 Q. Are there other factors that can cause the Company's revenue to deviate from 7 expected levels?

8 A. Yes. The current COVID-19 pandemic situation is a prime example of an external event 9 that can cause the Company's revenues to vary from expected or approved levels. Since 10 March of 2020, the Company has seen increased sales volumes for residential customers 11 beyond expected levels due to the COVID-19 pandemic as more people were staying home 12 from work and schools. Over the same time period, the Company saw decreases in sales 13 volumes from expected levels in the commercial and municipal classes. These changes in 14 volumes, whether temporary or permanent, cause changes in revenues from expected or 15 authorized levels and increase the Company's revenue volatility. Implementation of a 16 well-structured RSM can stabilize customer bills over time and mitigate the Company's 17 revenue volatility due to circumstances beyond either's control.

18 Q. Does the Company have the ability to reduce its costs when water sales are lower than 19 expected to compensate for the reductions in revenues?

A. To some extent, the Company experiences a reduction in variable costs associated with the
 reduced cost of treating and pumping less water and wastewater. For the most part,
 however, the Company's ability to reduce its fixed costs during periods when water sales
 are lower is limited, and it is generally not in the long-term best interests of our customers

for the Company to do so. One simple example of this is employee counts. The Company can hardly hire and fire its well-trained work force based on short-term trends in weather or economic conditions simply to keep expenses in line with revenues. Similarly, although maintenance may be deferred in a period of reduced revenue, that merely forestalls the inevitable, could degrade the quality of service provided to PAWC's customers, and increase the cost of service over time.

Q. Beyond changes in variable cost, does the continuing trend in declining use per
customer reduce the revenue requirement needed to invest in, maintain, and operate
the water and wastewater system for the long-term benefit of the Company's
customers?

11 A. No, it does not.

Q. Isn't the possibility of reduced revenues for the Company a good thing for customers
because it means customers' water bills are lower than they otherwise would have
been?

A. In the short term, that may appear to be the case. Ultimately, however, a degrading revenue
 stream is not in the long-term best interest of our customers if revenue requirements do not
 decrease to match the degrading revenue stream.

18 Q. How is a volatile and degrading long-term revenue stream not in the long-term best
 19 interests of the Company's water service customers?

A. The Company is committed to helping customers use water efficiently and to ensure that quality water and wastewater service is affordable. As I explain below, the Company's ability to reliably recover its revenue requirement over the long term through rates is an important part of the Company's ability to properly operate, maintain, and invest in the

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water and wastewater system at a reasonable cost. This ability to prudently manage the system at a reasonable cost is in the long-term best interests of our customers.

3 Does Pennsylvania law allow the Commission to approve the Company's proposed Q. 4 **RSM?**

5 A. Yes, section 1330 of the Public Utility Code allows the Commission to approve an 6 application by PAWC to establish various forms of alternative ratemaking mechanisms. 7 One such form of alternative ratemaking, as identified in section 1330(b)(i), is a decoupling 8 mechanism (RSM). Section 1330(f) specifically defines a Decoupling Mechanism as 9 follows: "In the case of water and wastewater, a rate mechanism that adjusts or reconciles 10 authorized rates or revenues for differences between sales used to set rates and actual sales, 11 which may include, but not be limited to, adjustments resulting from fluctuations in the 12 number of customers served and other adjustments deemed appropriate by the commission."10 13

14 What public policy objectives did the Legislature identify when authorizing the **Q**. 15 Commission to approve the adoption of alternative recovery mechanisms such as the 16 RSM?

17 The Legislature stated that "It is the policy of the Commonwealth that utility ratemaking A. 18 should encourage and sustain investment through appropriate cost-recovery mechanisms 19 to enhance the safety, security, reliability or availability of utility infrastructure and be consistent with the efficient consumption of utility service."11 20

¹⁰ 66 Pa.C.S. § 1330(f). ¹¹ *Id.* § 1330(a)(2).

Q. How does a properly structured RSM meet these policy objectives and benefit PAWC's customers?

3 It is in the long-term best interests of customers for the Company to be able to reliably A. 4 recover its revenue requirement on an ongoing basis. The authorized water and wastewater 5 revenue requirements approved by the Commission in this case represents the amount of 6 revenue the Commission determines that the Company needs to operate, maintain, and 7 invest in its water and wastewater system in a prudent and efficient manner. The ability to 8 reliably recover the Company's approved revenue requirement improves the Company's 9 ability to plan, manage, maintain, and invest in the facilities necessary to continue 10 providing safe, reliable, and high-quality water and wastewater service at a reasonable cost 11 to customers, and a properly structured RSM does just that.

12 Q. Are there other benefits to customers from the approval of an RSM?

13 A. Yes. An RSM will eliminate the throughput incentive - the Company's financial incentive 14 to sell more water. Under the current rate structure (without an RSM), the more water 15 customers use, the more water the Company sells, the more revenue the Company collects, 16 and the better the Company's financial performance. Currently, from a public policy 17 perspective, any actions taken by the Company or the government (local, state, or Federal) 18 to encourage conservation, no matter how beneficial to society, creates a disconnect 19 between the public policy goal of more efficient use of water resources and the Company's 20 legitimate financial objectives.

The Company is engaged in a broad array of efforts to become more efficient, and
 an RSM supports more consistent planning and deployment of the most efficient resources.
 Improving water efficiency also reduces withdrawals from limited freshwater supplies,

leaving more water for future use and improving the ambient water quality and aquatic
 habit. Improving water efficiency is a "win/win/win" providing a wide range of benefits
 for consumers, utilities, businesses, and for communities as a whole. Approving an RSM
 opens the path to achieving that winning combination.

5 Q. Are there other policy concerns among public utility regulators that an RSM 6 addresses?

A. Yes. The National Association of Regulatory Utility Commissioners ("NARUC") has been
at the forefront of this issue. At its November 2013 annual meeting, NARUC adopted a
resolution that supports consideration of alternative recovery mechanisms for water and
wastewater utilities, attached hereto as Exhibit CBR-8. The NARUC resolution recognizes
declining use per customer, a shift to non-revenue producing infrastructure replacement
and that the traditional cost of service model is not well adapted to this new environment.

- 13 It states, in part:
- 14WHEREAS, Traditional cost of service ratemaking, which has worked15reasonably well in the past for water and wastewater utilities, no longer16adequately addresses the challenges of today and tomorrow. Revenue,17driven by declining use per customer, is flat to decreasing, while the nature18of investment (rate base) has shifted largely from plant needed for serving19new customers to non-revenue producing infrastructure replacement and20compliance with new drinking water standards; and
- 21WHEREAS, The traditional cost of service model is not well adapted to a22no/low growth, high investment utility environment and is unlikely to23encourage the necessary future investment in infrastructure replacement;24and
- WHEREAS, Compared to the water and wastewater industry, the electric and natural gas delivery industries have in place a larger number and a greater variety of alternative regulation policies, such as multiyear rate plans and rate stabilization programs, and those set forth in the 2005 Resolution; and

1 2 3 4 5		WHEREAS, The U.S. water industry is the most capital intensive sector of regulated utilities and faces critical investment needs that are expected to total \$335 billion to \$1 trillion over the next quarter century, as noted in the American Society of Civil Engineers 2013 Report Card for America's Infrastructure
6		The NARUC resolution goes on to recommend the adoption of alternative recovery
7		mechanisms such as the RSM. It states that:
8 9 10 11 12 13		Alternative regulatory mechanisms can enhance the efficiency and effectiveness of water and wastewater utility regulation by reducing regulatory costs, increasing rates for customers, when necessary, on a more gradual basis; and providing the predictability and regulatory certainty that supports the attraction of debt and equity capital at reasonable costs and maintains that access at all times.
14	Q.	Are alternative regulatory mechanisms such as the RSM recognized in the regulatory
15		community as an effective means of addressing these policy concerns?
16	A.	Yes. RSMs have been adopted in many states as a way to eliminate the throughput
17		incentive to support energy officiency initiatives and investment and to align actual
10		incentive, to support energy efficiency initiatives and investment, and to align actual
18		revenue collection with authorized revenue. Clauses similar to the RSM proposed here
18 19		
		revenue collection with authorized revenue. Clauses similar to the RSM proposed here
19		revenue collection with authorized revenue. Clauses similar to the RSM proposed here have been successfully used for some time for water utilities in New York and California
19 20		revenue collection with authorized revenue. Clauses similar to the RSM proposed here have been successfully used for some time for water utilities in New York and California and have been more recently adopted for water utilities in Connecticut, Nevada, Maine and
19 20 21		revenue collection with authorized revenue. Clauses similar to the RSM proposed here have been successfully used for some time for water utilities in New York and California and have been more recently adopted for water utilities in Connecticut, Nevada, Maine and Illinois. In addition, similar revenue stabilizing mechanisms have been approved for gas
19 20 21 22		revenue collection with authorized revenue. Clauses similar to the RSM proposed here have been successfully used for some time for water utilities in New York and California and have been more recently adopted for water utilities in Connecticut, Nevada, Maine and Illinois. In addition, similar revenue stabilizing mechanisms have been approved for gas utilities in 23 states and an additional two states plus the District of Columbia have

¹² An earlier 2013 study by the Brattle Group entitled "Alternative Regulation and Ratemaking Approaches for Water Companies: Supporting the Capital Investment Needs of the 21st Century," prepared for the National Association of Water Companies, (September 30, 2013) found that 27 states for electricity, 30 states for natural gas delivery, and 5 states for water have this kind of mechanism.

allowed in 22 states. A December 2017 report by the Institute for Electric Innovation lists
 32 states and the District of Columbia that have an approved fixed cost recovery
 mechanism for electric utilities with an additional state pending approval.

4 Q. Please describe how the Company proposes to implement the RSM.

5 A. The Company's proposed RSM will apply to both water and wastewater service, with 6 separate tariffs and separate recovery/credit mechanisms for each service. The RSM will 7 align actual revenue collection with authorized revenues for all customers in the residential, 8 commercial, industrial, municipal, and sales for resale classes except for those customers 9 taking service under contract rates.

10 Q. Why does the RSM consider revenues net of production costs?

11 A. The electricity needed to pump water and chemicals needed to treat the water (production 12 costs) should be adjusted under an RSM because those costs vary with sales volumes. 13 Delivering more water costs more and delivering less water costs less in terms of electricity needed to pump water and chemicals needed to treat the water. The RSM can also include 14 15 adjustments for fluctuations in the unit price of production costs. As Company witness 16 Thomas Markward explains in his direct testimony (PAWC Statement No. 6), the current 17 price and supply volatility in the chemicals market (e.g., chemical costs increased by 18 15.55% in the FTY) has resulted in shorter term supply contracts with price volatility 19 expected to continue into the FPFTY. Netting production costs protects both the Company and its customers from production cost volatility; in other words, customers will pay only 20 21 the production costs associated with the actual amount of water delivered.

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Q.

Please describe the specific accounting treatment to be used for the RSM.

A. Each month the Company will compare the actual metered revenues for the applicable
customer classes to the authorized revenues for those classes. The Company will also
compare the actual production costs to the amount included in authorized rates for
production costs associated with the applicable customer classes. If the actual revenues
fall short, the difference in the revenue less production costs will be temporarily deferred
to a regulatory asset. If the actual revenues are more, the difference in the revenue less
production costs would be temporarily deferred to a regulatory liability.

9 Q. Please describe the Company's proposed method for RSM reporting and 10 reconciliation filings with the Commission.

11 A. The Company proposes to make a filing with the Commission on or before January 30 of 12 each year that includes the RSM calculation and support for any annual adjustments to be 13 effective under the RSM tariff. The Commission Staff and other interested parties would 14 have 60 days to review. If a charge is in order, the reconciliation amount would be charged 15 from April 1 through December 31 for that calendar year. If a credit is in order, those 16 credits would be issued as soon as administratively possible.

17 Q. How does the Company propose to either charge customers in the event that the 18 Company does not collect its authorized revenues in a given year or credit customers 19 in the event that the Company collects more than its authorized revenues in a given 20 year?

A. Taking the water service RSM as an example, in the event of a charge, the charge will be
 applied as a single volumetric charge that applies to all water sales for the applicable
 customer classes. The volumetric charge will be in effect from April through December

for any given calendar year. In the event of a credit, a single surcharge will be calculated
that will apply to all customers. Credits will be one-time credits and will be provided to
customers as soon as administratively possible once a new RSM adjustment, if any, has
been approved. Charges and credits would be handled similarly for the wastewater service
RSM.

6 Q. Do you have an exhibit that shows expected future trends in total water usage and 7 revenues by customer class?

A. Yes. Exhibit CBR-9 shows an analysis of future trends in water revenues at the Company's
proposed rates if current trends in declining usage continue into the future. This analysis
shows that at proposed rates, water service revenues will be expected to decline by
approximately \$5.3 million per year assuming no changes in base rates given the current
trends in declining usage and customer counts for the residential, commercial, municipal,
and industrial classes.

14 Q. What variability do you expect to see in annual water revenues in the future?

15 An analysis of the historical data shows that in any given year water revenues at the A. 16 Company's proposed rates in this proceeding can swing from the projected amount by as 17 much as plus or minus approximately \$8.4 million. A statistical analysis of the data shows 18 that an 80% confidence upper and lower bound around projected annual water revenues is 19 plus or minus \$10.7 million. This means that 80% of the time revenues are expected to be 20 within plus or minus \$10.7 million of forecast, but there is a 10% chance that revenues will 21 be more than \$10.7 million above the forecast, and a 10% chance that revenues will be less 22 than \$10.7 million below the forecast. The RSM corrects this to permit the Company to 23 collect the revenue authorized by the Commission; neither profiting from over collections

nor suffering shortfalls in revenue needed to operate the system properly and efficiently
 and to fund necessary construction.

3 Q. If a customer takes actions to use less water in an attempt to reduce their bill, will the
4 RSM simply take those savings away from customers?

- A. No. A customer who takes specific actions to reduce their water consumption will still
 enjoy the benefits of a lower bill even with implementation of an RSM. If a customer takes
 actions to reduce their water consumption by 5% per month, the resulting bill savings for
 an average use customer without an RSM would be \$2.76 per month, well above the
 amount that the Company estimates an average use customer bill would increase due to
 implementation of the RSM.
- 11 Q. How does the Company propose to treat customer growth through acquisitions in the
 12 RSM process?

A. Any acquisitions that are completed by the Company that are not already included in this proceeding will not be included in the proposed RSM until such time that they are included in rate base and revenue requirement calculations in a future rate proceeding. For any acquisitions that may occur that are not already included in this case, sales, revenues, and production costs will be tracked separately and excluded from the calculations used to support charges or credits under the Company's proposed RSM.

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Q. How would declining usage affect this calculation?

A. Declining usage lowers the actual water sales volume and therefore actual revenues. The
 RSM would capture any sales declines not already reflected in the going-forward billing
 determinants. If the Commission approves both the RSM and the declining usage

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adjustment, and the Company projects too great a decline in usage, the Company will credit the over-collection of the revenues to customers through the RSM.

Q. Please summarize why adoption of an RSM for the Company and its customers is appropriate in this proceeding.

5 A. Adoption of an RSM is in the long-term best interest of the Company and its customers. 6 Rate designs that tie a utility's revenue recovery directly to sales volume have prompted 7 two widespread concerns in modern utility regulation. First, rewarding a water utility for 8 selling more water implicitly encourages water use and penalizes a water utility for 9 encouraging end use water efficiency and conservation. This misalignment is troubling 10 because utilities play an important role in helping to improve water efficiency and promote 11 conservation. Second, because of seasonal variability and declining use per customer, 12 volumetric rates do not give water utilities a reasonable opportunity to recover their 13 authorized revenues. By ensuring that the Company can collect the revenues authorized by the Commission, the RSM: 1) makes the Company indifferent to selling less water, 14 15 2) promotes water efficiency and conservation; 3) reduces the adverse impact of weather 16 variability for both the utility and its customers; and 4) reasonably ensures that revenues 17 for continued water efficiency investments are available. In addition, the revenue volatility 18 that has been caused by the COVID-19 pandemic and that may continue as our customers 19 continue to recover from the economic effects of the pandemic provides another strong argument for adoption of the RSM and makes the present case a particularly appropriate 20 21 time to implement such a mechanism. The result is a better alignment of all stakeholder interests, and the Company respectfully urges the Commission to authorize its proposed 22 23 RSM.

1 Q. Does this conclude your direct testimony at this time?

2 A. Yes, it does.

BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

PENNSYLVANIA PUBLIC UTILITY	:	
COMMISSION	:	
	:	
ν.	2	DOCKET NOS. R-2022-3031672 (WATER)
	:	R-2022-3031673 (WASTEWATER)
PENNSYLVANIA-AMERICAN WATER	4	(·,
COMPANY	:	

VERIFICATION

I, **Charles Rea**, hereby state that the facts set forth in the pre-marked Statement No. 10 and accompanying exhibits, if any, are true and correct to the best of my knowledge, information, and belief. I understand that this verification is made subject to the provisions and penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).

Charles Rea

Date: April 29, 2022

Charles Rea

Zone 1 - PAWC

	Present	Proposed	Dollar	Percent
Residential	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
3/4 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
1 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
1 1/2 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
2 - Meter	\$ 115.20	\$ 131.70	\$ 16.50	14.3%
3 - Meter	\$ 214.90	\$ 245.60	\$ 30.70	14.3%
4 - Meter	\$ 269.70	\$ 308.20	\$ 38.50	14.3%
6 - Meter	\$ 403.70	\$ 461.40	\$ 57.70	14.3%
8 - Meter	\$ 781.60	\$ 893.30	\$ 111.70	14.3%
Unmetered Service	\$ 62.78	\$ 74.00	\$ 11.22	17.9%
All Usage (per 100 Gallons)	\$ 1.3100	\$ 1.7276	\$ 0.4176	31.9%
	Present	Proposed	Dollar	Percent
Commercial/Municipal	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
3/4 - Meter	\$ 26.50	\$ 30.30	\$ 3.80	14.3%
1 - Meter	\$ 44.10	\$ 50.40	\$ 6.30	14.3%
1 1/2 - Meter	\$ 72.00	\$ 82.30	\$ 10.30	14.3%
2 - Meter	\$ 115.20	\$ 131.70	\$ 16.50	14.3%
3 - Meter	\$ 214.90	\$ 245.60	\$ 30.70	14.3%
4 - Meter	\$ 269.70	\$ 308.20	\$ 38.50	14.3%
6 - Meter	\$ 403.70	\$ 461.40	\$ 57.70	14.3%
8 - Meter	\$ 781.60	\$ 893.30	\$ 111.70	14.3%
Commercial - First 16,000 gallons	\$ 1.3100	\$ 1.7276	\$ 0.4176	31.9%
Commercial - Over 16,000 gallons	\$ 0.9643	\$ 1.2719	\$ 0.3076	31.9%
Municipal - First 16,000 gallons	\$ 1.4742	\$ 1.6100	\$ 0.1358	9.2%
Municipal - Over 16,000 gallons	\$ 0.8705	\$ 0.9520	\$ 0.0815	9.4%

	Present	Proposed	Dollar	Percent
Industrial	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 25.40	\$ 29.00	\$ 3.60	14.2%
3/4 - Meter	\$ 38.10	\$ 44.00	\$ 5.90	15.5%
1 - Meter	\$ 63.60	\$ 73.00	\$ 9.40	14.8%
1 1/2 - Meter	\$ 127.10	\$ 145.00	\$ 17.90	14.1%
2 - Meter	\$ 203.40	\$ 232.00	\$ 28.60	14.1%
3 - Meter	\$ 381.40	\$ 435.00	\$ 53.60	14.1%
4 - Meter	\$ 635.60	\$ 726.00	\$ 90.40	14.2%
6 - Meter	\$ 1,271.20	\$ 1,451.00	\$ 179.80	14.1%
8 - Meter	\$ 2,034.30	\$ 2,323.00	\$ 288.70	14.2%
10 - Meter	\$ 2,923.40	\$ 3,338.00	\$ 414.60	14.2%
12 - Meter	\$ 4,195.80	\$ 4,790.00	\$ 594.20	14.2%
First 16,000 Gallons	\$ 1.2277	\$ 1.5700	\$ 0.3423	27.9%
Next 584,000 Gallons	\$ 0.9341	\$ 1.1800	\$ 0.2459	26.3%
All Over 600,000 Gallons	\$ 0.7348	\$ 0.9500	\$ 0.2152	29.3%
First 16,000 Gallons	\$ 1.2277	\$ 1.5700	\$ 0.3423	27.9%
Next 584,000 Gallons	\$ 0.9341	\$ 1.1800	\$ 0.2459	26.3%
Next 14,400,000 Gallons	\$ 0.7348	\$ 0.9500	\$ 0.2152	29.3%
All Over 15,000,000 Gallons	\$ 0.4487	\$ 0.5510	\$ 0.1023	22.8%
	Present	Proposed	Dollar	Percent
Sales to Other Utilities	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 25.50	\$ 29.10	\$ 3.60	14.1%
3/4 - Meter	\$ 38.20	\$ 44.00	\$ 5.80	15.2%
1 - Meter	\$ 63.70	\$ 73.00	\$ 9.30	14.6%
1 1/2 - Meter	\$ 127.30	\$ 145.00	\$ 17.70	13.9%
2 - Meter	\$ 203.70	\$ 232.00	\$ 28.30	13.9%
3 - Meter	\$ 381.80	\$ 436.00	\$ 54.20	14.2%
4 - Meter	\$ 636.50	\$ 726.00	\$ 89.50	14.1%
6 - Meter	\$ 1,272.70	\$ 1,452.00	\$ 179.30	14.1%
8 - Meter	\$ 2,037.40	\$ 2,325.00	\$ 287.60	14.1%
10 - Meter	\$ 2,927.00	\$ 3,340.00	\$ 413.00	14.1%
12 - Meter	\$ 4,200.00	\$ 4,793.00	\$ 593.00	14.1%
All Usage - Group A	\$ 0.7219	\$ 0.8250	\$ 0.1031	14.3%
All Usage - Group B	\$ 1.1300	\$ 1.0400	\$ (0.0900)	-8.0%

		Present		Proposed		Dollar	Percent
Public Fire		Rate		Rate		Increase	Increase
Hydrants Prior to 1/1/2000	\$	20.00	\$	20.30	\$	0.30	1.5%
Hydrants at 25% of Cost of Service	\$	16.87	\$	20.30	\$	3.43	20.3%
Brandford Township	\$	6.25	\$	6.25	\$	-	0.0%
Brownsville Area	\$	17.55	\$	20.30	\$	2.75	15.7%
California Area	\$	18.05	\$	20.30	\$	2.25	12.5%
Reading Area	\$	18.19	\$	20.30	\$	2.11	11.6%
Valley District	\$	-	\$	20.30	\$	20.30	
		. .					<u> </u>
Drivete Fire		Present		Proposed		Dollar	Percent
Private Fire		Rate		Rate		Increase	Increase
Unmetered	ć	4.79	ć	5.34	ć	0.55	11 E0/
1 1 1/4	\$ ¢	4.79	\$ \$	5.34	\$ ¢		11.5%
1 1/4 1 1/2	\$	4.79 6.90	ې \$	7.69	\$ ¢	0.55 0.79	11.5% 11.4%
2	\$ \$	12.27	ې \$	13.68	\$ \$	1.41	11.4% 11.5%
3	ې \$	27.90	ې \$	31.11	ې \$	3.21	11.5% 11.5%
5 4	ې د	49.12	ې \$	54.77	ې \$	5.65	11.5%
6	\$ \$	49.12	ې \$	124.45	ې \$	12.84	11.5%
8	\$ \$	198.67	ې \$	221.52	ې \$	22.85	11.5%
8 10	\$ \$	310.28	ې \$	345.96	ې \$	35.68	11.5%
12	\$ \$	446.45	ې \$	497.79	ې \$	51.34	11.5%
	ې \$	26.87	ې \$	26.87	ې \$	51.54	0.0%
Hydrants	ç	20.07	Ş	20.07	Ş	-	0.076
Metered							
1	\$	39.23	\$	43.74	\$	4.51	11.5%
1 1/4	\$	39.23	\$	43.74	\$	4.51	11.5%
1 1/2	\$	56.03	\$	62.47	\$	6.44	11.5%
2	\$	89.67	\$	99.98	\$	10.31	11.5%
3	\$	168.12	\$	187.45	\$	19.33	11.5%
4	\$ \$	210.15	\$	234.32	\$	24.17	11.5%
6	\$	315.23	\$	351.48	\$	36.25	11.5%
8		483.35	\$	538.94	\$	55.59	11.5%
10	\$ \$	679.49	\$	757.63	\$	78.14	11.5%
12	\$	1,019.60	\$	1,136.85	\$	117.25	11.5%
Hydrants	\$	26.87	\$	26.87	\$	-	0.0%
Sprinkler - 1	Ś	58.48	\$	65.21	\$	6.73	11.5%
Sprinkler - 2	\$ \$	0.15	\$	0.17	\$	0.02	13.3%
Standpipes	\$	45.47	\$	50.70	\$	5.23	11.5%
Junapipes	Ļ	75.77	Ļ	50.70	Ļ	5.25	11.370

Zone 2 - Winola

	Present	Proposed	Dollar	Percent
Residential	Rate	Rate	Increase	Increase
Unmetered Service	\$ 33.23 \$	- \$	(33.23)	-100.0%
5/8* Meter	\$	20.00 \$	20.00	
All Usage (per 100 Gallons)	\$	1.7276 \$	1.7276	

Zone 3 - McEwenville

	Present	Proposed	Dollar	Percent
Residential	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
3/4 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
1 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
1 1/2 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
2 - Meter	\$ 115.20	\$ 131.70	\$ 16.50	14.3%
3 - Meter	\$ 214.90	\$ 245.60	\$ 30.70	14.3%
4 - Meter	\$ 269.70	\$ 308.20	\$ 38.50	14.3%
6 - Meter	\$ 403.70	\$ 461.40	\$ 57.70	14.3%
8 - Meter	\$ 781.60	\$ 893.30	\$ 111.70	14.3%
All Usage (per 100 Gallons)	\$ 0.8983	\$ 1.7276	\$ 0.8293	92.3%

	Present	Proposed	Dollar	Percent
Commercial/Municipal	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
3/4 - Meter	\$ 26.50	\$ 30.30	\$ 3.80	14.3%
1 - Meter	\$ 44.10	\$ 50.40	\$ 6.30	14.3%
1 1/2 - Meter	\$ 72.00	\$ 82.30	\$ 10.30	14.3%
2 - Meter	\$ 115.20	\$ 131.70	\$ 16.50	14.3%
3 - Meter	\$ 214.90	\$ 245.60	\$ 30.70	14.3%
4 - Meter	\$ 269.70	\$ 308.20	\$ 38.50	14.3%
6 - Meter	\$ 403.70	\$ 461.40	\$ 57.70	14.3%
8 - Meter	\$ 781.60	\$ 893.30	\$ 111.70	14.3%
All Usage (per 100 Gallons)	\$ 0.8983	\$ 1.7276	\$ 0.8293	92.3%

Zone 4 - Turbotville

	Present	Proposed	Dollar	Percent
Residential	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
3/4 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
1 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
1 1/2 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
2 - Meter	\$ 115.20	\$ 131.70	\$ 16.50	14.3%
3 - Meter	\$ 214.90	\$ 245.60	\$ 30.70	14.3%
4 - Meter	\$ 269.70	\$ 308.20	\$ 38.50	14.3%
6 - Meter	\$ 403.70	\$ 461.40	\$ 57.70	14.3%
8 - Meter	\$ 781.60	\$ 893.30	\$ 111.70	14.3%
All Usage (per 100 Gallons)	\$ 1.3100	\$ 1.7276	\$ 0.4176	31.9%

	Present	Proposed	Dollar	Percent
Commercial/Municipal	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 17.50	\$ 20.00	\$ 2.50	14.3%
3/4 - Meter	\$ 26.50	\$ 30.30	\$ 3.80	14.3%
1 - Meter	\$ 44.10	\$ 50.40	\$ 6.30	14.3%
1 1/2 - Meter	\$ 72.00	\$ 82.30	\$ 10.30	14.3%
2 - Meter	\$ 115.20	\$ 131.70	\$ 16.50	14.3%
3 - Meter	\$ 214.90	\$ 245.60	\$ 30.70	14.3%
4 - Meter	\$ 269.70	\$ 308.20	\$ 38.50	14.3%
6 - Meter	\$ 403.70	\$ 461.40	\$ 57.70	14.3%
8 - Meter	\$ 781.60	\$ 893.30	\$ 111.70	14.3%
Commercial Volumetric	\$ 0.8983	\$ 1.2000	\$ 0.3017	33.6%
Municipal First 16,000 Gallons	\$ 1.4742	\$ 1.6100	\$ 0.1358	9.2%
Municipal Over 16,000 Gallons	\$ 0.8705	\$ 0.9520	\$ 0.0815	9.4%

Zone 5 - Steelton

	Present	Proposed	Dollar	Percent
Residential	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 20.69	\$ 20.00	\$ (0.69)	-3.3%
3/4 - Meter	\$ 20.69	\$ 20.00	\$ (0.69)	-3.3%
1 - Meter	\$ 20.69	\$ 20.00	\$ (0.69)	-3.3%
1 1/2 - Meter	\$ 20.69	\$ 20.00	\$ (0.69)	-3.3%
2 - Meter	\$ 117.88	\$ 131.70	\$ 13.82	11.7%
3 - Meter	\$ 267.48	\$ 245.60	\$ (21.88)	-8.2%
4 - Meter	\$ 349.33	\$ 308.20	\$ (41.13)	-11.8%
6 - Meter	\$ 558.92	\$ 461.40	\$ (97.52)	-17.4%
8 - Meter	\$ 811.96	\$ 893.30	\$ 81.34	10.0%
	Present	Proposed	Dollar	Percent
Nonresidential	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 20.69	\$ 20.00	\$ (0.69)	-3.3%
3/4 - Meter	\$ 20.69	\$ 30.30	\$ 9.61	46.4%
1 - Meter	\$ 45.32	\$ 50.40	\$ 5.08	11.2%
1 1/2 - Meter	\$ 81.61	\$ 82.30	\$ 0.69	0.8%
2 - Meter	\$ 117.88	\$ 131.70	\$ 13.82	11.7%
3 - Meter	\$ 267.48	\$ 245.60	\$ (21.88)	-8.2%
4 - Meter	\$ 349.33	\$ 308.20	\$ (41.13)	-11.8%
6 - Meter	\$ 558.92	\$ 461.40	\$ (97.52)	-17.4%
8 - Meter	\$ 811.96	\$ 893.30	\$ 81.34	10.0%
All Volumetric Rates				
First 1,700 Gallons	\$ 	\$ 1.7276	\$ 1.7276	
Next 18,300 Gallons	\$	\$ 1.7276	\$ 0.5712	49.4%
Next 30,000 Gallons	\$ 1.2768	\$ 1.2719	\$ (0.0049)	-0.4%
Over 50,000 Gallons	\$ 1.1032	\$ 1.2719	\$ 0.1687	15.3%

Zone 6 - Valley

	Present	Proposed	Dollar	Percent
All Charges	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 28.12	\$ 20.00	\$ (8.12)	-28.9%
3/4 - Meter	\$ 28.12	\$ 20.00	\$ (8.12)	-28.9%
1 - Meter	\$ 28.12	\$ 20.00	\$ (8.12)	-28.9%
1 1/2 - Meter	\$ 28.12	\$ 20.00	\$ (8.12)	-28.9%
2 - Meter	\$ 28.12	\$ 131.70	\$ 103.58	368.3%
3 - Meter	\$ 28.12	\$ 245.60	\$ 217.48	773.4%
4 - Meter	\$ 28.12	\$ 308.20	\$ 280.08	996.0%
6 - Meter	\$ 28.12	\$ 461.40	\$ 433.28	1540.8%
8 - Meter	\$ 28.12	\$ 893.30	\$ 865.18	3076.7%
All Volumetric Rates				
First 3,400 Gallons	\$ -	\$ 1.5200	\$ 1.5200	
Over 3,400 Gallons	\$ 0.8400	\$ 1.5200	\$ 0.6800	81.0%

Zone 7 - SLIBCO

	Present	Proposed	Dollar	Percent
All Charges	Rate	Rate	Increase	Increase
5/8 - Meter	\$ 63.55	\$ 20.00	\$ (43.55)	-68.5%
3/4 - Meter	\$ -	\$ 30.30	\$ 30.30	
1 - Meter	\$ -	\$ 50.40	\$ 50.40	
1 1/2 - Meter	\$ -	\$ 82.30	\$ 82.30	
2 - Meter	\$ 63.55	\$ 131.70	\$ 68.15	107.2%
3 - Meter	\$ -	\$ 245.60	\$ 245.60	
4 - Meter	\$ 136.30	\$ 308.20	\$ 171.90	126.1%
6 - Meter	\$ 136.30	\$ 423.10	\$ 286.80	210.4%
8 - Meter	\$ 309.30	\$ 569.38	\$ 260.08	84.1%
All Volumetric Rates				
First 20,000 Gallons	\$ 1.8940	\$ 1.7276	\$ (0.1664)	-8.8%
Next 80,000 Gallons	\$ 1.6780	\$ 1.2719	\$ (0.4061)	-24.2%
Over 100,000 Gallons	\$ 1.3810	\$ 1.2719	\$ (0.1091)	-7.9%

SSS Rates

	Present	Proposed	Dollar	Percent
Zone 1 - PAWC	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 11.00	\$ 14.30	\$ 3.30	30.0%
Non-Residential Service Charge	\$ 27.50	\$ 35.80	\$ 8.30	30.2%
Residential Usage (per 100 gallons)	\$ 1.9494	\$ 2.5340	\$ 0.5846	30.0%
Non-Residential Usage (per 100 gallons)	\$ 1.4374	\$ 1.8690	\$ 0.4316	30.0%
Unmetered	\$ 78.41	\$ 95.00	\$ 16.59	21.2%
	Present	Proposed	Dollar	Percent
Zone 2 - New Cumberland	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 11.00	\$ 14.30	\$ 3.30	30.0%
Non-Residential Service Charge	\$ 27.50	\$ 35.80	\$ 8.30	30.2%
Residential Usage (per 100 gallons)	\$ 1.2300	\$ 2.5340	\$ 1.3040	106.0%
Non-Residential Usage (per 100 gallons)	\$ 1.0400	\$ 1.8690	\$ 0.8290	79.7%
	Present	Proposed	Dollar	Percent
Zone 5 - Franklin	Rate	Rate	Increase	Increase
Unmetered	\$ 78.41	\$ 95.00	\$ 16.59	21.2%
	Present	Proposed	Dollar	Percent
Zone 7 - Sadsbury	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 11.00	\$ 14.30	\$ 3.30	30.0%
Non-Residential Service Charge	\$	\$ 35.80	\$ 8.30	30.2%
Residential Usage (per 100 gallons)	\$ 1.9494	\$ 2.5340	\$ 0.5846	30.0%
Non-Residential Usage (per 100 gallons)	\$ 1.4374	\$ 1.8690	\$ 0.4316	30.0%
	Present	Proposed	Dollar	Percent
Zone 8 - Turbotville	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 11.00	\$ 14.30	\$ 3.30	30.0%
Non-Residential Service Charge	27.50	\$ 35.80	\$ 8.30	30.2%
Residential Usage (per 100 gallons)	\$ 1.8000	\$ 2.5340	\$ 0.7340	40.8%
Non-Residential Usage (per 100 gallons)	\$ 1.4374	\$ 1.8690	\$ 0.4316	30.0%
Unmetered	\$ 73.24	\$ 95.00	\$ 21.76	29.7%

	Present	Proposed	Dollar	Percent
Zone 9 - Exeter	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 11.00	\$ 14.30	\$ 3.30	30.0%
Non-Residential Service Charge	\$ 27.50	\$ 35.80	\$ 8.30	30.2%
Residential Usage (per 100 gallons)	\$ 1.9107	\$ 2.5340	\$ 0.6233	32.6%
Non-Residential Usage (per 100 gallons)	\$ 1.4361	\$ 1.8690	\$ 0.4329	30.1%
Unmetered	\$ 77.07	\$ 95.00	\$ 17.93	23.3%
	Present	Proposed	Dollar	Percent
Zone 11 - Valley	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 59.67	\$ 75.00	\$ 15.33	25.7%
Valley: First 3,400 Gallons	\$ -	\$ -	\$ -	0.0%
Valley: All Over 3,400 Gallons	\$ 1.1200	\$ 1.4000	\$ 0.2800	25.0%
Non-Residential Service Charge	\$ 59.67	\$ 75.00	\$ 15.33	25.7%
Valley: First 3,400 Gallons	\$ -	\$ -	\$ -	0.0%
Valley: All Over 3,400 Gallons	\$ 1.1200	\$ 1.4000	\$ 0.2800	25.0%
Unmetered	\$ 73.33	\$ 95.00	\$ 21.67	29.6%
	Present	Proposed	Dollar	Percent
Zone 12 - Foster Township Acquisition	 Rate	 Rate	 Increase	Increase
Unmetered	\$ 85.00	\$ 85.00	\$ -	0.0%
	Present	Proposed	Dollar	Percent

CSS Rates

	Present	Proposed	Dollar	Percent
Zone 3 - Scranton	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 19.50	\$ 19.50	\$ -	0.0%
Residential Usage (per 100 gallons)	\$ 1.0600	\$ 1.0600	\$ -	0.0%
Unmetered Service	\$ 55.09	\$ 55.09	\$ -	0.0%
Non-Residential Service Charge	\$ 19.50	\$ 19.50	\$ -	0.0%
Non-Residential Class B Usage (per 100 gallons)	\$ 1.0600	\$ 1.0600	\$ -	0.0%
Non-Residential Class C 1st 5,000 gal	\$ 1.0600	\$ 1.0600	\$ -	0.0%
Non-Residential Class C Over 5,000 gal	\$ 1.0903	\$ 1.0903	\$ -	0.0%
	Present	Proposed	Dollar	Percent
Zone 4 - Kane	Rate	Rate	Increase	Increase
5/8" Service Charge	\$ 66.84	\$ 73.50	\$ 6.66	10.0%
Other Service Charge	\$ 133.69	\$ 147.10	\$ 13.41	10.0%
Unmetered Service	\$ 82.49	\$ 90.70	\$ 8.21	10.0%
Kane: First 2,000 Gallons	\$ -	\$ -	\$ -	0.0%
Kane: Next 8,000 Gallons	\$ 1.0732	\$ 1.1810	\$ 0.1078	10.0%
Kane: Next 20,000 Gallons	\$ 1.1919	\$ 1.3110	\$ 0.1191	10.0%
Kane: Over 30,000 Gallons	\$ 1.3008	\$ 1.4310	\$ 0.1302	10.0%
	Present	Proposed	Dollar	Percent
Zone 6 - McKeesport	Rate	Rate	Increase	Increase
Residential Service Charge	\$ 11.00	\$ 14.30	\$ 3.30	30.0%
Residential Usage (per 100 gallons)	\$ 1.9760	\$ 2.5340	\$ 0.5580	28.2%
Non-Residential Service Charge	\$ 27.50	\$ 35.80	\$ 8.30	30.2%
Non-Residential Usage (per 100 gallons)	\$ 1.4570	\$ 1.8690	\$ 0.4120	28.3%
Port Vue Usage (per 100 gallons)	\$ 1.5000	\$ 1.9500	\$ 0.4500	30.0%
McKeesport Bulk - Monthly Charge	\$ 61.10	\$ 79.00	\$ 17.90	29.3%
McKeesport Bulk - Quarterly Charge	\$ 183.40	\$ 238.00	\$ 54.60	29.8%
McKeesport Bulk - Usage Charge	\$ 1.0190	\$ 1.3250	\$ 0.31	30.0%

Other Rates

	Present	Proposed	Dollar	Percent
Zone 10 - Royersford	Rate	Rate	Increase	Increase
Service Charge	\$ 30.00	\$ 51.00	\$ 21.00	70.0%
Unmetered Service	\$ 43.50	\$ 74.00	\$ 30.50	70.1%
Royersford: First 5,400 Gallons	\$ -	\$ -	\$ -	0.0%
Royersford: Over 5,400 Gallons	\$ 0.5615	\$ 0.9550	\$ 0.3935	70.1%
City of York Acquisition	Rate	Rate	Increase	Increase
Service Charge	\$ 18.00	\$ 26.50	\$ 8.50	47.2%
First 2,000 Gallons	\$ -	\$ -	\$ -	0.0%
All Over 2,000 Gallons	\$ 0.9370	\$ 1.3770	\$ 0.4400	47.0%
Bulk Rate A (per 100 gallons)	\$ 0.3750	\$ 0.3750	\$ -	0.0%
Bulk Rate B (per 100 gallons)	\$ 0.2490	\$ 0.2490	\$ -	0.0%
	Present	Proposed	Dollar	Percent
Upper Pottsgrove WW Acquisition	Rate	Rate	Increase	Increase
Unmetered	\$ 65.00	\$ 95.00	\$ 30.00	46.2%

Pennsylvania-American Water Company

2022 General Rate Case

Water Affordability Summary - Bills for Basic Water Service (40 gallons per household member per day)

					Bill Under												
Income	Household	Water			Proposed	BTI						istomers by FPL -					
Level	Size	Service	Income	Customers	Rates	Ratio	0-50%	50%-100%	100%-150%	150%-200%	200%-250%	250%-300%	300%-350%	350%-400%	400%-450%	450%-500%	Over 500%
\$0-\$5k	1	1,200 \$	3,000	7,163 \$	40.73	16.3%	7,163	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	2	2,400 \$	3,000	2,844 \$	61.46	24.6%	2,844	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	3	3,600 \$	3,000	1,261 \$	82.19	32.9%	1,261	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	4	4,800 \$	3,000	571 \$	102.92	41.2%	571	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	5	6,000 \$	3,000	246 \$	123.66	49.5%	246	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	6	7,200 \$	3,000	133 \$	144.39	57.8%	133	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	7	8,400 \$	3,000	49 \$	165.12	66.0%	49	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	1	1,200 \$	7,500	7,837 \$	40.73	6.5%	1,951	5,886	-	-	-	-	-	-	-	-	-
\$5-\$10k	2	2,400 \$	7,500	2,982 \$	61.46	9.8%	2,061	921	-	-	-	-	-	-	-	-	-
\$5-\$10k	3	3,600 \$	7,500	1,167 \$	82.19	13.2%	1,167	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	4	4,800 \$	7,500	581 \$	102.92	16.5%	581	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	5	6,000 \$	7,500	235 \$	123.66	19.8%	235	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	6	7,200 \$	7,500	130 \$	144.39	23.1%	130	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	7	8,400 \$	7,500	43 \$	165.12	26.4%	43	-	-	-	-	-	-	-	-	-	-
\$10-\$15k	1	1,200 \$	12,500	15,216 \$	40.73	3.9%	-	7,578	7,638	-	-	-	-	-	-	-	-
\$10-\$15k	2	2,400 \$	12,500	3,374 \$	61.46	5.9%	-	3,374	-	-	-	-	-	-	-	-	-
\$10-\$15k	3	3,600 \$	12,500	1,178 \$	82.19	7.9%	157	1,021	-	-	-	-	-	-	-	-	-
\$10-\$15k	4	4,800 \$	12,500	716 \$	102.92	9.9%	411	304	-	-	-	-	-	-	-	-	-
\$10-\$15k	5	6,000 \$	12,500	249 \$	123.66	11.9%	249	-	-	-	-	-	-	-	-	-	-
\$10-\$15k	6	7,200 \$	12,500	192 \$	144.39	13.9%	192	-	-	-	-	-	-	-	-	-	-
\$10-\$15k	7	8,400 \$	12,500	102 \$	165.12	15.9%	102	-	-	-	-	-	-	-	-	-	-
\$15-\$20k	1	1,200 \$	17,500	15,889 \$	40.73	2.8%	-	-	11,869	4,020	-	-	-	-	-	-	-
\$15-\$20k	2	2,400 \$	17,500	5,125 \$	61.46	4.2%	-	1,958	3,167	-	-	-	-	-	-	-	-
\$15-\$20k	3	3,600 \$	17,500	1,939 \$	82.19	5.6%	-	1,939	-	-	-	-	-	-	-	-	-
\$15-\$20k	4	4,800 \$	17,500	1,155 \$	102.92	7.1%		1,155	-	-	-	-	-	-	-	-	-
\$15-\$20k	5	6,000 \$	17,500	500 \$	123.66	8.5%	9	492	-	-	-	-	-	-	-	-	-
\$15-\$20k	6	7,200 \$	17,500	178 \$	144.39	9.9%	82	96	-	-	-	-	-	-	-	-	-
\$15-\$20k	7	8,400 \$	17,500	96 \$	165.12	11.3%	87	10	-	-	-	-	-	-	-	-	-
\$20-\$25k	1	1,200 \$	22,500	13,344 \$	40.73	2.2%	-	-	-	13,291	53	-	-	-	-	-	-
\$20-\$25k	2	2,400 \$	22,500	6,815 \$	61.46	3.3%	-	-	6,815	-	-	-	-	-	-	-	-
\$20-\$25k	3	3,600 \$	22,500	2,390 \$	82.19	4.4%	-	636	1,754	-	-	-	-	-	-	-	-
\$20-\$25k	4	4,800 \$	22,500	1,244 \$	102.92	5.5%	-	1,244	-	-	-	-	-	-	-	-	-
\$20-\$25k	5	6,000 \$	22,500	713 \$	123.66	6.6%	-	713	-	-	-	-	-	-	-	-	-
\$20-\$25k	6	7,200 \$	22,500	310 \$	144.39	7.7%	-	310	-	-	-	-	-	-	-	-	-
\$20-\$25k	7	8,400 \$	22,500	93 \$	165.12	8.8%	-	93	-	-	-		-	-	-	-	-
\$25-\$35k	1	1,200 \$	30,000	22,526 \$	40.73	1.6%	-	-	-	-	14,023	8,504	-	-	-	-	-
\$25-\$35k	2	2,400 \$	30,000	16,654 \$	61.46	2.5%	-	-	608	14,081	1,965	-	-	-	-	-	-
\$25-\$35k	3	3,600 \$	30,000	5,359 \$	82.19	3.3%	-	-	3,749	1,610	-	-	-	-	-	-	-
\$25-\$35k	4	4,800 \$	30,000	4,154 \$	102.92	4.1%	-	312	3,842	-	-	-	-	-	-	-	-
\$25-\$35k	5	6,000 \$	30,000	1,951 \$	123.66	4.9%	-	1,009	942	-	-	-	-	-	-	-	-
\$25-\$35k	6 7	7,200 \$	30,000	804 \$	144.39	5.8%	-	771	33	-	-	-	-	-	-	-	-
\$25-\$35k	-	8,400 \$	30,000	373 \$	165.12	6.6%	-	373	-	-	-	-	-	-	-	-	-
\$35-\$50k	1	1,200 \$	42,500	26,645 \$	40.73	1.2%	-	-	-	-	-	4,388	11,093	11,093	71	-	-
\$35-\$50k	2	2,400 \$	42,500	25,941 \$	61.46	1.7%	-	-	-	-	12,581	13,360	-	-	-	-	-
\$35-\$50k \$35-\$50k	3	3,600 \$ 4,800 \$	42,500 42,500	8,710 \$ 5,548 \$	82.19 102.92	2.3% 2.9%	-	-	- 1,341	4,448 4,207	4,262	-	-	-	-	-	-
	-						-	-			-	-	-	-	-	-	-
\$35-\$50k \$35-\$50k	5	6,000 \$ 7,200 \$	42,500 42,500	3,523 \$ 1,591 \$	123.66 144.39	3.5% 4.1%	-	-	2,409 1,591	1,115	-	-	-	-	-	-	-
\$35-\$50k \$35-\$50k	5	7,200 \$ 8,400 \$	42,500	1,591 \$ 569 \$	144.39	4.1%	-	- 152	417	-	-	-	-	-	-	-	-
\$50-\$75k	, 1	1,200 \$	62,500	30,570 \$	40.73	0.8%		152	417						7,588	7,637	15,346
\$50-\$75k	2	2,400 \$	62,500	42,687 \$	61.46	1.2%						1,246	14,437	14,437	12,567	7,037	13,340
\$50-\$75k	3	2,400 \$ 3,600 \$	62,500	42,087 \$	82.19	1.6%		-	-	-	2,179	6,990	6,990	226	12,507	-	-
\$50-\$75k \$50-\$75k	3	3,600 \$ 4,800 \$	62,500	12,697 \$	102.92	2.0%		-	-	- 762	6,539	5,396	6,990	220	-	-	-
\$50-\$75k \$50-\$75k	4	4,800 \$ 6,000 \$	62,500	5,826 \$	102.92	2.0%		-	-	2,410	6,539 3,416	0,590	-	-	-	-	-
\$50-\$75k \$50-\$75k	6	6,000 \$ 7,200 \$	62,500	5,826 \$ 2,449 \$	123.66	2.4%		-	- 185	2,410 1,694	3,416 570	-	-	-	-	-	-
	5						-	-			570	-	-	-	-	-	-
\$50-\$75k \$75-\$100k	1	8,400 \$ 1,200 \$	62,500 87,500	1,472 \$ 16,600 \$	165.12 40.73	3.2% 0.6%	-	-	501	971	-	-	-	-	-	-	- 16,600
\$75-\$100k \$75-\$100k	1 2	1,200 \$ 2,400 \$	87,500 87,500	16,600 \$ 35,621 \$	40.73 61.46	0.6%	-	-	-	-	-	-	-	-	1,560	- 12,047	22,014
\$75-\$100k \$75-\$100k	2	2,400 \$ 3,600 \$	87,500	35,621 \$ 15,448 \$	82.19	1.1%		-	-	-	-	-	-	6,377	6,590	2,481	22,014
\$75-\$100k \$75-\$100k	3	3,600 \$ 4,800 \$	87,500	12,525 \$	102.92	1.1%		-	-	-	-	- 1,127	6,450	6,377 4,947	0,090	2,401	-
\$75-\$100k	4	4,800 \$ 6,000 \$	87,500	5,498 \$	102.92	1.4%		-	-	-	- 93	3,317	2,087	4,547	-	-	-
\$75-\$100k \$75-\$100k	6	7,200 \$	87,500	2,213 \$	144.39	2.0%		-	-	-	1,016	1,197	2,087	-	-	-	-
\$75-\$100k \$75-\$100k	7	7,200 \$ 8,400 \$	87,500	1,298 \$	165.12	2.3%		-	-	- 157	1,018	1,197	-	-	-	-	-
272-2100K	/	0,400 Ş	87,500	1,230 \$	105.12	2.370	-	-	-	157	1,015	129	-	-	-	-	-

Water Affordability Analysis Summary Total PAWC

							19,724	30,345	46,861	48,764	47,711	46,504	43,838	42,520	37,085	33,204	224,558
Over \$150k	7	8,400 \$	200,000	1,651 \$	165.12	1.0%	-	-	-	-	-	-	-	100	322	322	907
Over \$150k	6	7,200 \$	200,000	2,901 \$	144.39	0.9%	-	-	-	-	-	-	-	-	164	502	2,235
Over \$150k	5	6,000 \$	200,000	8,604 \$	123.66	0.7%	-	-	-	-	-	-	-	-	-	73	8,531
Over \$150k	4	4,800 \$	200,000	20,356 \$	102.92	0.6%	-	-	-	-	-	-	-	-	-	-	20,356
Over \$150k	3	3,600 \$	200,000	18,821 \$	82.19	0.5%	-	-	-	-	-	-	-	-	-	-	18,821
Over \$150k	2	2,400 \$	200,000	33,078 \$	61.46	0.4%	-	-	-	-	-	-	-	-	-	-	33,078
Over \$150k	1	1,200 \$	200,000	5,769 \$	40.73	0.2%	-	-	-	-	-	-	-	-	-	-	5,769
\$100-\$150k	7	8,400 \$	125,000	1,783 \$	165.12	1.6%	-	-	-	-	-	607	696	480	-	-	-
\$100-\$150k	6	7,200 \$	125,000	3,231 \$	144.39	1.4%	-	-	-	-	-	244	1,118	1,118	752	-	-
\$100-\$150k	5	6,000 \$	125,000	8,649 \$	123.66	1.2%	-	-	-	-	-	-	968	2,609	2,609	2,462	-
\$100-\$150k	4	4,800 \$	125,000	18,879 \$	102.92	1.0%	-	-	-	-	-	-	-	1,133	4,861	4,861	8,023
\$100-\$150k	3	3,600 \$	125,000	21,199 \$	82.19	0.8%	-	-	-	-	-	-	-	-	-	2,819	18,379
\$100-\$150k	2	2,400 \$	125,000	43,846 \$	61.46	0.6%	-	-	-	-	-	-	-	-	-	-	43,846
\$100-\$150k	1	1,200 \$	125,000	10,653 \$	40.73	0.4%	-	-	-	-	-	-	-	-	-	-	10,653

Notes: 1 - Average Monthly Bills for Basic Water Service do not reflect current or proposed low income discounts

Pennsylvania-American Water Company

2022 General Rate Case

Water Affordability by Community - Bills for Basic Water Service (40 gallons per household member per day)

			Median													
			Household	Avg. Monthly Bill	BTI						ustomers by FPL					
Zip Code City	Profit Center	Customers	Income	Basic Service	Ratio	0-50%	50%-100%	100%-150%	150%-200%	200%-250%	250%-300%	300%-350%	350%-400%	400%-450%	450%-500%	Over 500%
18411 Clarks Summit	PA-Abington	5,057 \$		\$ 56.83	0.78%	119	171	280	308	295	308	341	334	331	302	2,268
18414 Dalton	PA-Abington	635 \$		\$ 55.87	0.89%	13	24	42	47	46	47	46	45	39	37	247
18471 Waverly	PA-Abington	208 \$	133,542		0.54%	1	2	3	6	9	9	10	10	12	10	136
18447 Olyphant	PA-Abington	63 \$	59,699	• ••••	1.08%	2	3	6	7	6	5	5	5	4	3	18
18419 Factoryville	PA-Abington	23 \$,	\$ 54.29	1.11%	1	1	2	2	2	2	2	2	1	1	7
18625 Lake Winola	PA-Abington	2 \$	01,010	\$ 54.59	1.01%	0	0	0	0	0	0	0	0	0	0	1
	PA-Abington	5,988 \$	87,164	\$ 56.81	0.78%	135	202	334	370	358	372	404	395	387	354	2,676
18013 Bangor	PA-Bangor	3,058 \$	70,566		0.94%	71	129	246	254	228	230	233	225	204	185	1,053
18072 Pen Argyl	PA-Bangor	290 \$	73,030	7 00.10	0.91%	7	11	17	19	24	25	24	24	19	18	102
	PA-Bangor	3,348 \$	70,779	\$ 55.10	0.93%	78	140	264	273	252	255	257	249	223	204	1,155
18603 Berwick	PA-Berwick	5,130 \$	53,709		1.19%	173	343	532	515	503	470	418	381	316	243	1,235
18635 Nescopeck	PA-Berwick	551 \$		\$ 54.48	0.99%	9	26	45	54	50	46	42	41	37	33	168
	PA-Berwick	5,681 \$	54,918	\$ 53.18	1.16%	182	369	578	569	552	516	460	422	353	277	1,404
16841 Howard	PA-BOGGS	4 \$	63,001	\$ 54.75	1.04%	0	0	0	0	0	0	0	0	0	0	1
16823 Bellefonte	PA-BOGGS	2 \$	71,987	\$ 55.54	0.93%	0	0	0	0	0	0	0	0	0	0	1
	PA-BOGGS	6\$	65,996	\$ 55.01	1.00%	0	0	0	1	1	1	1	0	0	0	2
15417 Brownsville	PA-Brownsville	2,158 \$	51,138	\$ 52.62	1.23%	166	186	213	201	175	168	154	144	121	98	532
15419 California	PA-Brownsville	1,026 \$		\$ 52.93	1.06%	72	101	106	82	78	74	66	63	51	44	289
15442 Grindstone	PA-Brownsville	302 \$	47,375	\$ 51.62	1.31%	16	34	39	38	26	23	19	18	16	12	63
15427 Daisytown	PA-Brownsville	247 \$		\$ 52.19	1.21%	11	23	30	30	21	19	16	15	14	11	56
15413 Allison	PA-Brownsville	246 \$	63,022	\$ 51.64	0.98%	7	21	40	27	24	21	14	17	10	17	49
15444 Hiller	PA-Brownsville	220 \$	21,006	\$ 47.58	2.72%	1	28	77	55	10	7	6	5	7	4	22
15423 Coal Center	PA-Brownsville	104 \$	63,253	\$ 55.16	1.05%	3	5	8	9	10	9	7	7	4	4	38
15468 New Salem	PA-Brownsville	71 \$	54,965	\$ 52.95	1.16%	5	3	6	10	8	7	5	5	4	3	16
15433 East Millsboro	PA-Brownsville	2 \$	26,008	\$ 49.48	2.28%	0	0	0	0	0	0	0	0	0	0	0
	PA-Brownsville	4,376 \$	52,444	\$ 52.35	1.20%	280	402	520	451	352	328	286	273	226	193	1,065
16001 Butler	PA-Butler	13,143 \$	64,934	\$ 54.38	1.01%	501	725	1,057	1,089	1,090	1,047	994	945	848	723	4,124
16002 Butler	PA-Butler	1,184 \$		\$ 55.13	0.95%	53	61	75	1,085	1,050	88	84	83	75	68	4,124
16053 Renfrew	PA-Butler	939 \$		\$ 56.43	0.82%	7	29	48	55	64	69	78	75	72	65	376
16056 Saxonburg	PA-Butler	523 \$		\$ 55.38	0.93%	9	22	38	40	42	42	41	39	34	29	187
16045 Lyndora	PA-Butler	478 \$		\$ 52.69	1.17%	12	34	51	48	57	49	39	35	29	22	101
16033 Evans City	PA-Butler	378 \$		\$ 55.64	0.94%		13	25	26	29	29	32	30	30	24	135
16029 East Butler	PA-Butler	230 \$		\$ 54.17	1.06%	9	9	15	23	24	22	21	19	16	12	61
16027 Connoquenessing	PA-Butler	194 \$		\$ 53.93	1.18%	1	11	21	20	24	19	15	12	11	6	55
16037 Harmony	PA-Butler	152 \$		\$ 56.85	0.80%	2	4	8	10	11	11	11	11	10	9	66
16023 Cabot	PA-Butler	41 \$		\$ 54.16	1.05%	2	1	3	4	4	4	3	3	3	2	12
16052 Prospect	PA-Butler	6 Ś	67,283		0.97%	0	0	0	0	1	1	1	1	0	0	2
	PA-Butler	17,268 \$	66,226		0.99%	601	910	1,341	1,400	1,436	1,382	1,319	1,252	1,128	960	5,539
16214 Clarion	PA-Clarion	2,159 \$	55,464	\$ 53.33	1.15%	148	143	205	187	172	169	164	150	130	100	590
16258 Strattanville	PA-Clarion	476 \$		\$ 53.31	1.12%	12	23	45	53	52	47	38	37	29	27	112
16255 Sligo	PA-Clarion	341 \$		\$ 53.18	1.14%	12	19	36	37	34	30	25	24	21	18	85
16254 Shippenville	PA-Clarion	337 \$		\$ 53.91	1.09%	10	15	30	33	31	31	28	27	21	18	93
16235 Lucinda	PA-Clarion	123 \$		\$ 54.04	1.04%	3	6	10	11	11	11	11	10	9	7	34
15829 Corsica	PA-Clarion	101 \$	60,861		1.08%	1	4	7	7	8	8	9	9	9	7	31
16232 Knox	PA-Clarion	45 \$	49,136		1.28%	1	3	5	5	5	5	4	3	3	2	9
16334 Marble	PA-Clarion	28 \$	54,493	\$ 53.10	1.17%	1	1	2	3	3	3	3	2	2	1	6
	PA-Clarion	3,610 \$	56,438		1.14%	189	215	341	336	317	304	282	262	222	180	960
19320 Coatesville	PA-Coatesville	7,752 \$	81,623	\$ 56.44	0.83%	204	279	429	497	517	529	543	534	495	455	3,271
19335 Downingtown	PA-Coatesville	1,660 \$		\$ 59.79	0.55%	20	31	51	58	66	69	74	79	80	83	1,050
19365 Parkesburg	PA-Coatesville	1,350 \$		\$ 56.45	0.80%	25	48	71	70	90	95	103	103	96	92	558
19372 Thorndale	PA-Coatesville	806 \$		\$ 56.60	7.65%	18	34	47	81	45	45	47	45	45	39	360
19344 Honey Brook	PA-Coatesville	83 \$		\$ 55.85	0.85%	2	4	5	5	6	6	6	6	5	5	33
17566 Quarryville	PA-Coatesville	9 \$		\$ 55.44	0.98%	0	0	1	1	1	1	1	1	1	1	3
17509 Christiana	PA-Coatesville	4 \$		\$ 55.66	0.89%	0	0	0	0	0	0	0	0	0	0	1
16235 Lucinda	PA-Coatesville	1 \$		\$ 54.04	1.04%	0	0	0	0	0	0	0	0	0	0	0
17536 Kirkwood	PA-Coatesville	1 \$	75,376	\$ 56.47	0.90%	0	0	0	0	0	0	0	0	0	0	0

Water Affordability Analysis Summary Detail by City

Exhibit CBR-3 Page 4 of 9

	PA-Coatesville	11,666	\$ 83	,721 \$	56.92	0.82%	 269	397	604	712	725	745	774	767	722	674	5,276
15037 Elizabeth	PA-Elizabeth	4,079	Ś 67	,712 \$	54.82	0.97%	93	217	302	323	323	318	332	304	297	234	1,337
15025 Clairton	PA-Elizabeth	3,902		,409 \$	54.93	0.92%	146	219	312	326	323	298	257	245	205	176	1,397
15063 Monongahela	PA-Elizabeth	3,836		,530 \$	54.08	1.01%	103	228	355	329	317	306	291	282	253	224	1,149
15135 Mckeesport	PA-Elizabeth	1,828	\$ 82	,530 \$	56.17	0.82%	34	58	118	131	140	134	125	126	116	109	738
15045 Glassport	PA-Elizabeth	1,756		,765 \$	51.55	1.45%	65	136	229	250	181	164	133	125	93	76	303
15332 Finleyville	PA-Elizabeth	1,375	\$ 68	,517 \$	55.10	0.97%	50	66	107	107	113	107	94	92	75	68	496
15133 Mckeesport	PA-Elizabeth	1,160		,125 \$	53.51	1.07%	34	62	110	116	112	105	93	90	74	67	297
15067 New Eagle	PA-Elizabeth	841		,602 \$	51.95	1.40%	42	55	95	114	88	82	71	63	48	33	152
15034 Dravosburg	PA-Elizabeth	367		,389 \$	52.13	1.51%	14	27	50	47	43	35	21	22	14	14	80
15018 Buena Vista	PA-Elizabeth	301		.,523 \$	51.75	1.50%	22	35	36	36	24	21	15	16	13	14	69
15088 West Elizabeth	PA-Elizabeth	214		,437 \$	52.76	1.36%	13	13	17	20	24	23	19	18	13	10	44
15038 Elrama	PA-Elizabeth	166		,456 \$	55.97	0.86%	-	3	9	17	10	11	13	13	15	15	60
15047 Greenock	PA-Elizabeth	136		.,719 \$	55.83	1.09%			1	4	10	14	21	18	20	15	34
15022 Charleroi	PA-Elizabeth	129		.,400 \$	52.85	1.23%	- 6	11	13	13	12	14	10	18	20	5	34
15033 Donora	PA-Elizabeth			,400 \$,046 \$	50.86	1.45%	5	8	8	13	6	5	5	5	4	3	11
	PA-Elizabeth	66 64		,048 \$,908 \$	53.54	1.13%	3	8 4	6	6	5	5	5	4	4	3	11
15122 West Mifflin							3			2	-	-	2	-	-		
15089 West Newton	PA-Elizabeth			,775 \$	53.77	1.08%	-	1	2	-	2	2	-	1	1	1	6
15083 Sutersville	PA-Elizabeth			0,513 \$	51.96	1.23%	1	1	2	2	2	2	2	2	1	1	4
15314 Bentleyville	PA-Elizabeth			,957 \$	53.73	1.01%	0	0	1	1	1	1	1	1	1	1	3
15205 Pittsburgh	PA-Elizabeth	1		,179 \$	55.33	0.92%	0	0	0	0	0	0	0	0	0	0	0
18018 Bethlehem	PA-Elizabeth			,860 \$	55.29	0.96%	 0	0	0	0	0	0	0	0	0	0	0
	PA-Elizabeth	20,272	\$ 64	,368 \$	54.23	1.01%	630	1,144	1,773	1,850	1,735	1,643	1,508	1,435	1,254	1,069	6,230
17931 Frackville	PA-Frackville	2,121		,554 \$	53.06	1.09%	80	157	208	208	195	180	162	154	134	118	525
18252 Tamaqua	PA-Frackville			,401 \$	53.24	1.11%	 1	2	3	3	2	2	2	2	2	1	7
	PA-Frackville	2,148	\$ 58	\$,540 \$	53.07	1.09%	81	159	210	210	197	182	164	156	136	119	532
19606 Reading	PA-Glen	5,583	Ś 78	,052 \$	56.12	0.86%	141	192	328	379	396	400	412	399	374	333	2,228
19518 Douglassville	PA-Glen	2,770		,974 \$	58.15	0.68%	57	51	109	143	153	155	160	168	165	165	1,443
19508 Birdsboro	PA-Glen	650		,609 \$	55.58	0.91%	17	22	42	54	56	52	45	46	39	38	239
19522 Fleetwood	PA-Glen	54		,453 \$	56.50	0.85%	1	2	3	4	4	4	4	1	4	3	22
19608 Reading	PA-Glen			,440 \$	57.65	0.70%	0	1	1	1	1	1	2	2	2	1	13
19607 Reading	PA-Glen			,415 \$	55.31	0.93%	1	1	1	1	1	1	1	1	1	1	6
19007 Acduling	PA-Glen	9,100		,073 \$	56.70	0.80%	 218	267	485	582	611	614	625	620	585	542	3,951
17078 Palmyra	A-Hershey/Palmyra	6,370	¢ 70	,881 \$	55.36	0.94%	103	256	457	529	522	517	493	473	405	355	2,259
17036 Hummelstown	A-Hershey/Palmyra	3,815		,268 \$	57.16	0.77%	103	129	199	210	219	225	240	236	231	216	1,802
		3,768			56.97	0.79%	107	129	199	210	219	225	240	230	207	210	1,802
17033 Hershey	A-Hershey/Palmyra					0.76%	40	45	90	119	133	136	245 144	144	138	129	972
17112 Harrisburg	A-Hershey/Palmyra	2,089			57.36												
17003 Annville	A-Hershey/Palmyra	1,891		,032 \$	55.61	0.87%	41	71	137	149	135	139	138	138	119	115	710
17042 Lebanon	A-Hershey/Palmyra			,437 \$	54.98	0.96%	3	4	7	8	8	8	8	8	7	6	33
17022 Elizabethtown	A-Hershey/Palmyra			,601 \$	56.73	0.82%	1	2	4	5	6	6	7	6	6	5	34
17109 Harrisburg	A-Hershey/Palmyra			,455 \$	54.93	0.95%	0	1	1	2	2	2	2	2	1	1	7
17111 Harrisburg	A-Hershey/Palmyra			,334 \$	56.63	0.85%	0	0	0	1	1	1	1	1	1	1	4
15102 Bethel Park	A-Hershey/Palmyra	1		\$,736 \$	57.04	0.77%	0	0	0	0	0	0	0	0	0	0	0
17013 Carlisle	A-Hershey/Palmyra	1	\$ 69	,423 \$	55.06	0.95%	0	0	0	0	0	0	0	0	0	0	0
17057 Middletown	A-Hershey/Palmyra	2		,416 \$	54.71	0.97%	0	0	0	0	0	0	0	0	0	0	1
17370 York Haven	A-Hershey/Palmyra			,671 \$	55.80	0.93%	 0	0	0	0	0	0	0	0	0	0	0
	PA-Hershey/Palmyra	18,149	\$ 80),967 \$	56.33	0.83%	399	630	1,095	1,251	1,266	1,283	1,278	1,252	1,115	1,029	7,552
15701 Indiana	PA-Indiana	6,519	\$ 62	,950 \$	54.18	1.03%	265	427	593	570	501	484	447	436	373	338	2,084
16735 Kane	PA-Kane	1,883	\$ 51	,621 \$	52.77	1.23%	74	148	199	182	181	172	145	140	104	91	448
16201 Kitteraine	PA-Kittanning	1,707	\$ 59	,979 \$	53.95	1.08%	65	116	148	150	145	138	125	120	101	90	510
16201 Kittanning							19				66	65	63	61			309
17325 Gettysburg	PA-Lake Heritage	855	\$ 71	,819 \$	55.27	0.92%	15	43	64	64	00	05	63	61	54	49	505
	-					0.92% 0.97%		43 229	64 345	362	337		274	273	54 238	49 227	
17325 Gettysburg 18324 Bushkill	PA-Lake Heritage PA-Lehman Pike PA-Lehman Pike	3,973	\$ 67	,819 \$,034 \$,243 \$	54.06		173 90					311				227	1,204
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry	PA-Lehman Pike PA-Lehman Pike	3,973 1,726	\$ 67 \$ 62	,034 \$,243 \$	54.06 54.65	0.97% 1.05%	173 90	229	345 112	362	337		274	273 134	238 114	227 100	1,204 552
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957	\$ 67 \$ 62 \$ 69	7,034 \$ 2,243 \$ 9,688 \$	54.06 54.65 55.08	0.97% 1.05% 0.95%	173 90 42	229 79 40	345 112 70	362 144	337 126 74	311 135 73	274 141	273 134 67	238 114 55	227 100 52	1,204 552 339
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529	\$ 67 \$ 62 \$ 69 \$ 65	,034 \$,243 \$,688 \$,807 \$	54.06 54.65 55.08 54.95	0.97% 1.05% 0.95% 1.00%	173 90 42 16	229 79 40 24	345 112 70 41	362 144 77 44	337 126 74 41	311 135 73 42	274 141 68 41	273 134 67 39	238 114 55 33	227 100 52 28	1,204 552 339 180
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg 18342 Mountainhome	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529 372	\$ 67 \$ 62 \$ 69 \$ 65 \$ 29	2,034 \$ 2,243 \$ 0,688 \$ 5,807 \$ 0,919 \$	54.06 54.65 55.08 54.95 48.26	0.97% 1.05% 0.95% 1.00% 1.94%	173 90 42 16 103	229 79 40 24 52	345 112 70 41 57	362 144 77 44 22	337 126 74 41 24	311 135 73 42 22	274 141 68 41 16	273 134 67 39 14	238 114 55 33 7	227 100 52 28 3	1,204 552 339 180 50
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg 18342 Mountainhome 18335 Marshalls Creek	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529 372 263	\$ 67 \$ 62 \$ 69 \$ 65 \$ 29 \$ 110	7,034 \$ 2,243 \$ 0,688 \$ 0,807 \$ 0,919 \$ 0,415 \$	54.06 54.65 55.08 54.95 48.26 57.26	0.97% 1.05% 0.95% 1.00% 1.94% 0.62%	173 90 42 16 103 0	229 79 40 24 52 5	345 112 70 41 57 18	362 144 77 44 22 19	337 126 74 41 24 22	311 135 73 42 22 19	274 141 68 41 16 16	273 134 67 39 14 15	238 114 55 33 7 14	227 100 52 28 3 11	1,204 552 339 180 50 123
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg 18342 Mountainhome 18335 Marshalls Creek 18337 Milford	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529 372 263 162	\$ 67 \$ 62 \$ 69 \$ 65 \$ 29 \$ 110 \$ 86	,034 \$,243 \$,688 \$,807 \$,919 \$,415 \$,564 \$	54.06 54.65 55.08 54.95 48.26 57.26 56.77	0.97% 1.05% 0.95% 1.00% 1.94% 0.62% 0.79%	173 90 42 16 103 0 4	229 79 40 24 52 5 7	345 112 70 41 57 18 10	362 144 77 44 22 19 9	337 126 74 41 24 22 9	311 135 73 42 22	274 141 68 41 16 16 10	273 134 67 39 14 15 10	238 114 55 33 7 14 10	227 100 52 28 3 11 9	1,204 552 339 180 50 123 74
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg 18342 Mountainhome 18335 Marshalls Creek 18337 Milford 18336 Matamoras	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529 372 263 162 7	\$ 67 \$ 62 \$ 69 \$ 65 \$ 29 \$ 110 \$ 86 \$ 76	7,034 \$,243 \$,688 \$,807 \$,919 \$,415 \$,564 \$,772 \$	54.06 54.65 55.08 54.95 48.26 57.26 56.77 55.36	0.97% 1.05% 0.95% 1.00% 1.94% 0.62% 0.79% 0.87%	173 90 42 16 103 0 4 0	229 79 40 24 52 5 7 0	345 112 70 41 57 18 10 0	362 144 77 44 22 19 9 1	337 126 74 41 24 22 9 1	311 135 73 42 22 19 9 1	274 141 68 41 16 16 10 1	273 134 67 39 14 15 10 1	238 114 55 33 7 14 10 0	227 100 52 28 3 11 9 0	1,204 552 339 180 50 123 74 2
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg 18342 Mountainhome 18335 Marshalls Creek 18337 Milford 18336 Matamoras 18347 Pocono Lake	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529 372 263 162 7 4	\$ 67 \$ 62 \$ 69 \$ 65 \$ 29 \$ 110 \$ 86 \$ 76 \$ 63	7,034 \$ 2,243 \$ 0,688 \$ 0,919 \$ 0,415 \$ 5,564 \$ 5,772 \$ 5,876 \$	54.06 54.65 55.08 54.95 48.26 57.26 56.77 55.36 53.36	0.97% 1.05% 0.95% 1.00% 1.94% 0.62% 0.79% 0.87% 1.00%	173 90 42 16 103 0 4 0 0	229 79 40 24 52 5 7 0	345 112 70 41 57 18 10 0 0	362 144 77 44 22 19 9 1 0	337 126 74 41 24 22 9 1 0	311 135 73 42 22 19 9 1 0	274 141 68 41 16 16 10 1 0	273 134 67 39 14 15 10 1 0	238 114 55 33 7 14 10 0 0	227 100 52 28 3 11 9 0	1,204 552 339 180 50 123 74 2 1
17325 Gettysburg 18324 Bushkill 18328 Dingmans Ferry 18301 East Stroudsburg 18302 East Stroudsburg 18342 Mountainhome 18335 Marshalls Creek 18337 Milford 18336 Matamoras	PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike PA-Lehman Pike	3,973 1,726 957 529 372 263 162 7	\$ 67 \$ 62 \$ 69 \$ 65 \$ 29 \$ 110 \$ 86 \$ 76 \$ 63 \$ 86	7,034 \$,243 \$,688 \$,807 \$,919 \$,415 \$,564 \$,772 \$	54.06 54.65 55.08 54.95 48.26 57.26 56.77 55.36	0.97% 1.05% 0.95% 1.00% 1.94% 0.62% 0.79% 0.87%	173 90 42 16 103 0 4 0	229 79 40 24 52 5 7 0	345 112 70 41 57 18 10 0	362 144 77 44 22 19 9 1	337 126 74 41 24 22 9 1	311 135 73 42 22 19 9 1	274 141 68 41 16 16 10 1	273 134 67 39 14 15 10 1	238 114 55 33 7 14 10 0	227 100 52 28 3 11 9 0	1,204 552 339 180 50 123 74 2

Water Affordability Analysis Summary Detail by City

Exhibit CBR-3 Page 5 of 9

	DA Laborara Dilua		ć 55.200 ć	53.54	1 1 (0/	0	0	0	0	0	0	0	0	0	0	0
19018 Clifton Heights	PA-Lehman Pike PA-Lehman Pike	1 7,998	\$	53.51 54.26	1.16% 0.98%	428	436	654	0 678	0 635	613	0 568	0 553	0 473	431	2,528
	TA ceriman rike	7,550	ç 00,5 - 5 ç	54.20	0.50%	420	450	054	0/0	055	015	500	555	475	451	2,520
17749 Mc Ewensville	PA-McEwensville W	100	\$ 81,721 \$		0.82%	0	1	4	7	10	10	10	10	9	9	30
17777 Watsontown	PA-McEwensville W	20			1.06%	0	1	2	2	2	2	2	2	1	1	6
	PA-McEwensville W	120	\$ 78,350 \$	55.34	0.85%	0	2	5	8	12	12	12	12	10	10	36
15317 Canonsburg	PA-McMurray	15,783	\$ 93,830 \$	57.56	0.74%	407	403	689	868	971	989	978	991	891	872	7,724
15301 Washington	PA-McMurray		\$ 66,505 \$		0.99%	407	822	1,186	1,226	1.288	1,243	1,132	1,091	917	801	5,207
15017 Bridgeville	PA-McMurray		\$		0.88%	132	137	212	229	246	249	253	242	220	191	1,407
15057 Mc Donald	PA-McMurray		\$		0.76%	67	98	171	221	205	206	205	202	184	168	1,479
15367 Venetia	PA-McMurray		\$ 149,259 \$		0.49%	22	41	70	79	78	87	101	106	112	116	1,769
15021 Burgettstown	PA-McMurray	2,275			1.02%	52	115	187	204	192	194	181	176	139	124	710
15342 Houston	PA-McMurray	2,161	\$ 73,221 \$	55.37	0.91%	81	65	135	188	175	167	154	155	136	134	770
15330 Eighty Four	PA-McMurray	1,507	\$ 85,546 \$	57.39	0.81%	38	50	58	72	97	99	105	100	95	82	712
15321 Cecil	PA-McMurray	744	\$ 90,829 \$	56.60	0.75%	7	21	50	65	59	58	47	48	34	32	324
15055 Lawrence	PA-McMurray	716	\$ 51,197 \$	52.78	1.24%	1	33	78	85	85	80	70	63	48	36	136
15241 Pittsburgh	PA-McMurray	677	\$ 130,050 \$	59.84	0.55%	9	10	20	27	28	28	29	31	31	33	430
15312 Avella	PA-McMurray	670	\$ 71,707 \$	55.41	0.93%	22	27	48	50	50	51	49	48	42	38	244
15323 Claysville	PA-McMurray	634	\$ 65,344 \$		1.00%	15	30	51	54	51	50	50	48	43	38	203
15060 Midway	PA-McMurray		\$ 63,379 \$		1.04%	3	18	31	35	42	42	42	40	35	30	136
15363 Strabane	PA-McMurray		\$ 80,887 \$		0.82%	0	12	39	22	26	32	29	31	19	22	129
15340 Hickory	PA-McMurray		\$ 76,759 \$		0.86%	23	24	21	17	24	24	23	24	22	21	132
15019 Bulger	PA-McMurray	329			1.18%	8	18	26	35	41	38	29	27	17	14	76
15350 Muse	PA-McMurray		\$ 48,740 \$		1.28%	1	20	44	37	31	28	27	24	24	19	51
15078 Slovan	PA-McMurray	233			1.05%	-	5	19	34	25	26	25	23	17	12	48
15332 Finleyville	PA-McMurray	221			0.97%	8	11	17	17	18	17	15	15	12	11	80
15082 Sturgeon	PA-McMurray	142			0.90%	-	-	0	4	10	13	20	18	19	17	41
15004 Atlasburg	PA-McMurray		\$ 49,295 \$		1.30%	2	3	6	11	19 7	21 7	17	17 7	7	5	18
15314 Bentleyville	PA-McMurray		\$ 63,957 \$		1.01%	5	5	9	11		-	8		-	6	29
15053 Joffre 15329 Prosperity	PA-McMurray		\$ 44,643 \$ \$ 70,427 \$		1.38% 0.95%	0	4	13 6	10 6	13 8	15 8	12 7	12 7	4	4	10 30
15361 Southview	PA-McMurray PA-McMurray		\$		1.23%	1	5	15	17	8	8	2	2	3	3	20
15026 Clinton	PA-McMurray		\$ 50,812 \$ \$ 73,855 \$		0.90%	0	3	15	5	5	4	4	2	4	4	20
15379 West Middletown	PA-McMurray		\$		1.06%	4	2	5	9	4	4	4	4	4	3	14
15050 Hookstown	PA-McMurray	45			0.91%	1	1	3	4	3	3	3	3	3	3	16
15071 Oakdale	PA-McMurray	28			0.86%	1	1	2	2	2	2	2	2	2	1	10
15031 Cuddy	PA-McMurray	2			1.06%	0	0	0	0	0	0	0	0	0	0	1
15059 Midland	PA-McMurray	1			1.11%	0	0	0	0	0	0	0	0	0	0	0
15201 Pittsburgh	PA-McMurray	2			0.95%	0	0	0	0	0	0	0	0	0	0	1
15311 Amity	PA-McMurray		\$ 81,323 \$		0.82%	0	0	0	0	0	0	0	0	0	0	0
	PA-McMurray	52,939	\$ 82,353 \$	56.24	0.82%	1,390	1,986	3,219	3,645	3,805	3,788	3,624	3,562	3,095	2,843	21,983
17011 Camp Hill	PA-Mechanicsburg	11,182		56.92	0.79%	162	309	587	740	761	756	757	756	713	671	4,970
17050 Mechanicsburg	PA-Mechanicsburg		\$ 101,718 \$		0.69%	165	210	406	526	591	619	646	661	621	612	5,351
17025 Enola 17070 New Cumberland	PA-Mechanicsburg PA-Mechanicsburg	5,627 5,533			0.90% 0.89%	114 119	230 135	383 277	430 384	432 430	430 429	415 440	405 420	352 396	322 344	2,115 2,158
17055 Mechanicsburg	PA-Mechanicsburg	1,988			0.89%	31	53	112	139	430	429	140	420	122	119	2,158
17033 Mechanicsburg 17043 Lemoyne	PA-Mechanicsburg	1,988			0.82%	51	60	92	139	145	145	140	141	122	119	734
17319 Etters	PA-Mechanicsburg		\$		0.86%	12	9	22	36	45	46	48	47	44	39	228
17339 Lewisberry	PA-Mechanicsburg		\$		0.75%	5	8	13	19	22	25	28	28	27	25	183
17093 Summerdale	PA-Mechanicsburg		\$ 66,835 \$		0.99%	9	3	10	22	16	20	31	26	31	21	68
17370 York Haven	PA-Mechanicsburg	41			0.93%	- 1	1	2	3	3	3	4	3	3	2	15
17074 Newport	PA-Mechanicsburg		\$ 63,982 \$		1.01%	0	0	0	0	1	0	0	0	0	0	2
15101 Allison Park	PA-Mechanicsburg	1			0.70%	0	0	0	0	0	0	0	0	0	0	1
17067 Myerstown	PA-Mechanicsburg	1			0.98%	0	0	0	0	0	0	0	0	0	0	0
18706 Wilkes Barre	PA-Mechanicsburg	1	\$ 54,762 \$	52.69	1.15%	0	0	0	0	0	0	0	0	0	0	0
	PA-Mechanicsburg	37,937	\$ 86,155 \$	56.89	0.79%	628	1,020	1,906	2,419	2,607	2,640	2,679	2,647	2,452	2,273	16,666
17837 Lewisburg	PA-Milton	3,633	\$ 76,418 \$	55.61	0.87%	121	213	258	237	251	248	231	232	196	191	1,453
17847 Milton	PA-Milton	2,902			1.11%	91	146	260	300	291	266	230	216	183	148	773
17857 Northumberland	PA-Milton	2,310			0.95%	59	109	204	218	214	196	166	165	137	133	709
17777 Watsontown	PA-Milton	1,335			1.06%	12	70	113	125	141	132	113	107	83	70	369
17856 New Columbia	PA-Milton	332	\$ 70,289 \$	55.19	0.94%	10	13	17	25	28	28	29	28	25	22	108
17886 West Milton	PA-Milton	266	\$ 47,968 \$	51.62	1.29%	1	25	42	44	18	19	19	18	14	12	55
17887 White Deer	PA-Milton	170	\$ 45,382 \$	49.51	1.31%	1	15	23	28	36	29	15	13	5	2	4
17810 Allenwood	PA-Milton	147	\$ 59,320 \$	54.01	1.09%	6	7	12	14	14	13	11	11	8	7	43
17850 Montandon	PA-Milton		\$ 42,682 \$		1.49%	3	10	12	17	14	13	11	11	8	9	34
17801 Sunbury	PA-Milton	105	\$ 56,042 \$	52.87	1.13%	4	7	11	11	10	9	8	8	7	5	25
	PA-Milton	11,343	\$ 66,248 \$	54.41	0.99%	309	615	953	1,019	1,016	954	832	809	665	599	3,572

Water Affordability Analysis Summary Detail by City

Exhibit CBR-3 Page 6 of 9

18064 Nazareth	PA-Nazareth	4,351 \$	\$ 90,350	\$ 57.24	0.76%	65	130	226	256	257	270	292	288	276	255	2,036
18072 Pen Argyl	PA-Nazareth	1,488	\$ 73,030	\$ 55.45	0.91%	35	57	90	98	122	128	123	122	96	94	523
18045 Easton	PA-Nazareth	1,275	\$ 95,535	\$ 57.81	0.73%	15	24	48	67	79	83	87	88	83	80	620
18091 Wind Gap	PA-Nazareth	1,227	\$ 71,985	\$ 55.31	0.92%	40	52	81	98	96	92	91	88	82	73	435
18085 Tatamy	PA-Nazareth	417 \$	\$ 64,640	\$ 55.08	1.02%	8	12	23	33	47	46	37	36	22	21	131
18083 Stockertown	PA-Nazareth	276 \$	\$ 71,732	\$ 55.73	0.93%	0	8	18	25	21	23	23	23	18	17	100
18040 Easton	PA-Nazareth	59 \$		\$ 58.14	0.70%	1	1	2	3	3	4	4	4	4	3	30
18353 Saylorsburg	PA-Nazareth	3 5	\$ 76,420	\$ 55.93	0.88%	0	0	0	0	0	0	0	0	0	0	1
18042 Easton	PA-Nazareth	1 \$	\$ 64,300	\$ 54.76	1.02%	0	0	0	0	0	0	0	0	0	0	0
18507 Moosic	PA-Nazareth	1 \$		\$ 54.16	0.98%	0	0	0	0	0	0	0	0	0	0	0
	PA-Nazareth	9,098	\$ 84,077	\$ 56.62	0.81%	165	283	488	581	627	646	657	649	582	542	3,878
				é 53.30	4 200/	504			4 000	881	808	687	622		398	2 075
16101 New Castle	NewCastle/Ellwood	9,449		\$ 52.20	1.30%	501	824	1,106	1,022 547	881 521		687 449	633	514		2,075
16117 Ellwood City	NewCastle/Ellwood	5,698		\$ 53.60	1.14%	206 133	313 261	552	547 472		492		423 374	362	304 297	1,529
16105 New Castle	NewCastle/Ellwood	5,445		\$ 55.02	0.92%			436		445	422	383		318		1,903
16102 New Castle	NewCastle/Ellwood	1,154		\$ 52.18	1.22% 0.92%	54	99 32	147	136	100 63	93 59	79 54	75 52	59 47	51 42	262 290
16063 Zelienople	NewCastle/Ellwood	769 5		\$ 55.61 \$ 56.85		18 7	32	53	57							
16037 Harmony 16123 Fombell	NewCastle/Ellwood NewCastle/Ellwood	503 S		\$ 56.85 \$ 56.93	0.80% 0.82%	6	14	25 17	33 24	36 26	35 28	36 28	35 29	34 26	30 25	218 169
				\$ 52.16	0.82%	32	30	31	24	26	28 32	28	29	26	25 16	71
16160 West Pittsburg 16136 Koppel	NewCastle/Ellwood NewCastle/Ellwood	362 S		\$ 52.06	1.22%	32	30 26	31 44	31 47	35	32	31	27	25	22	68
16157 Wampum	NewCastle/Ellwood	199		\$ 53.43	1.25%	9	13	44 19	47	19	18	17	29 15	14	10	50
16116 Edinburg	NewCastle/Ellwood	155		\$ 53.11	1.16%	4	9	15	19	13	13	17	15	9	10	40
15010 Beaver Falls	NewCastle/Ellwood	157 5		\$ 53.11	1.16%	6	9	18	19	14	13	12	11	9	7	40
13010 Beaver Fails	PA-NewCastle/Ellwood	24,642			1.10%	981	1,641	2,466	2,426	2,185	2,046	1,818	1,714	1,439	1,210	6,713
	in the free state, Entroped	2,0012	, ,,,,,	ý <u>55.11</u>	1.11/0	501	1,011	2,100	2,120	2,100	2,010	1,010	1,711	1,100	1,210	0,710
16841 Howard	PA-Nittany	300	\$ 63,001	\$ 54.75	1.04%	7	11	23	27	26	26	25	24	21	18	93
17751 Mill Hall	PA-Nittany	209			1.06%	4	11	19	20	18	18	17	16	14	11	59
16848 Lamar	PA-Nittany	15 9	\$ 44,240	\$ 52.81	1.43%	0	1	1	2	2	2	1	1	1	1	3
	PA-Nittany	524		\$ 54.40	1.06%	11	23	44	49	46	45	44	41	36	30	156
19401 Norristown	PA-Norristown	10,990	\$ 66,212	\$ 54.70	0.99%	408	630	821	870	937	870	789	749	671	576	3,671
19403 Norristown	PA-Norristown	10,835	\$ 94,445	\$ 57.64	0.73%	163	270	509	615	672	674	684	680	649	605	5,313
19422 Blue Bell	PA-Norristown	3,472	\$ 141,482	\$ 60.04	0.51%	39	49	107	134	142	146	145	155	146	156	2,253
19405 Bridgeport	PA-Norristown	1,799		\$ 55.49	0.87%	106	69	112	118	117	125	132	128	113	101	679
19426 Collegeville	PA-Norristown	1,316	\$ 133,208	\$ 60.33	0.54%	12	19	27	37	48	52	59	63	65	67	866
19406 King Of Prussia	PA-Norristown	815 \$		\$ 58.30	0.69%	14	14	32	42	43	45	48	50	47	49	432
19473 Schwenksville	PA-Norristown	514 \$		\$ 58.48	0.65%	4	12	25	26	24	25	26	29	27	30	286
19462 Plymouth Meeting	PA-Norristown	418 \$		\$ 58.39	0.64%	7	11	19	23	20	21	22	23	21	22	231
19446 Lansdale	PA-Norristown	9 9		\$ 58.54	0.67%	0	0	0	0	1	1	1	1	1	0	5
17025 Enola	PA-Norristown	1 \$		\$ 55.66	0.90%	0	0	0	0	0	0	0	0	0	0	0
18651 Plymouth	PA-Norristown	1 5		\$ 52.10	1.27%	0	0	0	0	0	0	0	0	0	0	0
19454 North Wales	PA-Norristown	1 \$		\$ 52.10	1.27%	0	0	0	0	0	0	0	0	0	0	0
	PA-Norristown	30,171	\$ 90,801	\$ 56.88	0.75%	754	1,075	1,653	1,866	2,003	1,959	1,905	1,876	1,739	1,606	13,736
19608 Reading	A-Penn/Wyomissing	6,027	\$ 99,440	\$ 57.65	0.70%	105	209	289	300	337	346	359	367	351	345	3,019
19609 Reading	A-Penn/Wyomissing	3,256		\$ 56.55	0.85%	50	85	159	191	238	247	253	254	227	219	1,334
19610 Reading	A-Penn/Wyomissing	2,336		\$ 57.36	0.75%	39	62	133	191	152	154	155	152	139	125	1,105
19606 Reading	A-Penn/Wyomissing	2,550		\$ 56.12	0.86%	0	0	0	0	0	0	0	0	135	0	0
15000 11000115	PA-Penn/Wyomissing	11,620		\$ 57.28	0.74%	195	356	560	632	726	748	767	773	717	689	5,458
	, ,, ,, ,,															
16866 Philipsburg	PA-Philipsburg	2,799	\$ 55,742	\$ 53.31	1.15%	98	151	283	294	271	256	224	211	168	141	702
16858 Morrisdale	PA-Philipsburg	1,218	\$ 60,720	\$ 53.88	1.06%	30	51	99	107	122	122	120	107	91	66	304
16666 Osceola Mills	PA-Philipsburg	1,044	\$ 54,170	\$ 52.97	1.17%	31	49	102	116	120	109	92	85	68	51	221
16881 Woodland	PA-Philipsburg	825 \$	\$ 60,181	\$ 51.74	1.03%	24	93	113	86	63	61	63	55	54	37	175
16878 West Decatur	PA-Philipsburg	643	\$ 51,633	\$ 52.28	1.22%	48	55	72	61	48	48	47	45	39	35	146
16677 Sandy Ridge	PA-Philipsburg	185 \$	\$ 20,496	\$ 47.82	2.80%	16	48	39	16	13	9	5	5	4	5	25
16821 Allport	PA-Philipsburg	145 \$	\$ 52,500	\$ 54.63	1.25%	-	2	9	17	20	15	11	10	12	10	38
16840 Hawk Run	PA-Philipsburg	129	\$ 69,972	\$ 54.71	0.94%	0	5	15	13	10	11	10	10	6	5	43
16876 Wallaceton	PA-Philipsburg	120 \$	\$ 47,599	\$ 51.26	1.29%	1	11	18	16	12	12	10	9	7	5	19
16830 Clearfield	PA-Philipsburg	66 \$	\$ 57,865	\$ 53.28	1.11%	3	5	6	6	6	6	5	5	4	3	17
16825 Bigler	PA-Philipsburg	59 \$	\$ 60,061	\$ 51.53	1.03%	0	3	8	5	7	7	9	6	7	3	5
18603 Berwick	PA-Philipsburg	46 \$	\$ 53,709	\$ 53.04	1.19%	2	3	5	5	5	4	4	3	3	2	11
	PA-Philipsburg	7,279	\$ 55,689	\$ 52.95	1.14%	252	475	769	742	696	660	601	552	464	362	1,707
15236 Pittsburgh	PA-Pittsburgh	11,090			0.83%	243	371	606	750	796	819	816	827	726	711	4,424
15227 Pittsburgh	PA-Pittsburgh	10,899		\$ 55.36	0.92%	301	414	737	830	847	843	832	816	735	678	3,867
15102 Bethel Park	PA-Pittsburgh	10,897		\$ 57.04	0.77%	307	272	514	625	687	721	736	753	680	665	4,937
15216 Pittsburgh	PA-Pittsburgh	8,106		\$ 55.68	0.88%	249	347	500	535	593	606	599	594	517	485	3,081
15210 Pittsburgh	PA-Pittsburgh	7,733		\$ 51.38 \$ 53.54	1.46% 1.13%	425 328	742 490	1,010 695	945 737	761 635	693 602	551 538	519 516	373 428	306 376	1,407 2,051
15122 West Mifflin	PA-Pittsburgh	7,397	\$ 56,908	ə 53.54	1.13%	328	490	692	/3/	635	602	538	516	428	376	2,051

Exhibit CBR-3 Page 7 of 9

Water Affordability Analysis Summary Detail by City

15106 Carnegie	PA-Pittsburgh	7,083 \$	67,155 \$	54.63	0.98%	154	376	652	642	533	531	514	499	430	391	2,360
15120 Homestead	PA-Pittsburgh	7,021 \$		53.39	1.16%	319	531	724	696	602	546	471	445	387	321	1,978
15241 Pittsburgh	PA-Pittsburgh	6,564 \$		59.84	0.55%	84	100	195	258	272	276	280	304	304	323	4,169
15205 Pittsburgh	PA-Pittsburgh	5,917 \$		55.33	0.92%	136	251	411	440	459	458	459	443	402	362	2,097
15228 Pittsburgh	PA-Pittsburgh	5,657 \$		59.71	0.55%	74	90	196	241	230	234	237	257	256	274	3,570
15226 Pittsburgh	PA-Pittsburgh	5,605 \$		54.32	1.04%	172	254	471	485	478	459	460	424	409	326	1,667
15234 Pittsburgh	PA-Pittsburgh	5,302 \$		55.13	0.98%	165	208	340	405	445	443	433	411	363	306	1,784
15243 Pittsburgh	PA-Pittsburgh	4,890 \$		57.37	0.76%	86	149	255	299	310	311	302	300	268	253	2,356
15220 Pittsburgh	PA-Pittsburgh	4,017 \$		56.06	0.85%	101	153	235	272	283	284	291	285	269	248	1,595
15129 South Park	PA-Pittsburgh	3,871 \$		56.14	0.86%	133	108	195	253	309	303	287	285	203	248	1,535
		2,985 \$		55.97	0.88%	133		195	194	209		287	202	187	162	1,525
15017 Bridgeville	PA-Pittsburgh			51.49	1.34%	112	116 261	317	264	209	212 228	184	171	126	97	464
15204 Pittsburgh	PA-Pittsburgh	2,475 \$ 2,344 \$		54.93	0.92%	88	131	187	196	194	179	154	147	120	105	839
15025 Clairton 15057 Mc Donald	PA-Pittsburgh PA-Pittsburgh	2,544 \$		57.04	0.92%	37	55	96	198	194	1/9	134	147	123	94	824
	PA-Pittsburgh	1,787 \$		55.10	0.97%	58	55	124	125	114	115	114	115	87	94 79	577
15332 Finleyville					1.29%	58 104		124						8/ 77	68	
15207 Pittsburgh	PA-Pittsburgh	1,464 \$		52.00			148		143	120	113	100	95			328
15071 Oakdale	PA-Pittsburgh	1,151 \$		56.24	0.86%	30	52	71	73	78	79	79	76	69	62	484
15367 Venetia	PA-Pittsburgh	790 \$		60.60	0.49%	7	13	22	24	24	27	31	33	34	35	542
15142 Presto	PA-Pittsburgh	696 \$		61.09	0.41%	53	1	4	9	13	14	19	20	26	27	509
15034 Dravosburg	PA-Pittsburgh	225 \$		52.13	1.51%	8	17	31	29	27	22	13	13	8	9	49
15031 Cuddy	PA-Pittsburgh	215 \$		53.59	1.06%	5	23	17	7	12	15	21	18	21	16	59
15064 Morgan	PA-Pittsburgh	193 \$		57.24	0.86%		2	6	13	18	15	16	14	17	13	80
15321 Cecil	PA-Pittsburgh	7 \$		56.60	0.75%	0	0	0	1	1	1	0	0	0	0	3
15317 Canonsburg	PA-Pittsburgh	4 \$		57.56	0.74%	0	0	0	0	0	0	0	0	0	0	2
15082 Sturgeon	PA-Pittsburgh	1 \$		56.25	0.90%	-	-	0	0	0	0	0	0	0	0	0
15202 Pittsburgh	PA-Pittsburgh	1 \$		55.61	0.87%	0	0	0	0	0	0	0	0	0	0	0
15212 Pittsburgh	PA-Pittsburgh	1 \$		53.58	1.09%	0	0	0	0	0	0	0	0	0	0	0
15215 Pittsburgh	PA-Pittsburgh	2 \$		56.48	0.78%	0	0	0	0	0	0	0	0	0	0	1
15221 Pittsburgh	PA-Pittsburgh	1 \$		53.19	1.19%	0	0	0	0	0	0	0	0	0	0	0
15222 Pittsburgh	PA-Pittsburgh	1 \$		60.60	0.44%	0	0	0	0	0	0	0	0	0	0	1
15239 Pittsburgh	PA-Pittsburgh	1 \$		56.16	0.84%	0	0	0	0	0	0	0	0	0	0	0
15344 Jefferson	PA-Pittsburgh	1 \$		55.12	0.86%	0	0	0	0	0	0	0	0	0	0	0
	PA-Pittsburgh	127,993 \$	77,290 \$	55.57	0.86%	3,896	5,751	8,958	9,613	9,430	9,272	8,862	8,690	7,678	7,019	48,824
18466 Tobyhanna	PA-Pocono	6,486 \$	60,146 \$	54.09	1.08%	183	352	575	535	594	594	526	514	373	345	1,894
18344 Mount Pocono	PA-Pocono	1,092 \$	55,970 \$	54.01	1.16%	27	49	104	107	112	102	89	80	68	49	306
18344 Mount Pocono 18436 Lake Ariel	PA-Pocono	1,092 \$ 606 \$	55,970 \$ 63,040 \$	54.01 53.95	1.16% 1.03%	27 16	49 38	104 58	107 47	112 53	102 51	89 47	80 46	68 38	49 34	306 178
18344 Mount Pocono	PA-Pocono PA-Pocono	1,092 \$ 606 \$ 135 \$	55,970 \$ 63,040 \$ 73,604 \$	54.01 53.95 54.87	1.16% 1.03% 0.89%	27 16 6	49 38 7	104 58 11	107 47 8	112 53 9	102 51 10	89 47 10	80 46 10	68 38 8	49 34 8	306 178 47
18344 Mount Pocono 18436 Lake Ariel	PA-Pocono	1,092 \$ 606 \$	55,970 \$ 63,040 \$ 73,604 \$	54.01 53.95	1.16% 1.03%	27 16	49 38	104 58	107 47	112 53	102 51	89 47	80 46	68 38	49 34	306 178
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit	PA-Pocono PA-Pocono PA-Pocono	1,092 \$ 606 \$ 135 \$ 8,319 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$	54.01 53.95 54.87 54.08	1.16% 1.03% 0.89% 1.08%	27 16 6 233	49 38 7 446	104 58 11 748	107 47 8 697	112 53 9 768	102 51 10 758	89 47 10 672	80 46 10 650	68 38 8 487	49 34 8 436	306 178 47 2,424
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$	54.01 53.95 54.87 54.08 52.47	1.16% 1.03% 0.89% 1.08% 1.27%	27 16 6 233 121	49 38 7 446 219	104 58 11 748 296	107 47 8 697 281	112 53 9 768 258	102 51 10 758 242	89 47 10 672 207	80 46 10 650 195	68 38 8 487 152	49 34 8 436 127	306 178 47 2,424 602
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$	54.01 53.95 54.87 54.08 52.47 51.77	1.16% 1.03% 0.89% 1.08% 1.27% 1.61%	27 16 233 121 7	49 38 7 446 219 19	104 58 11 748 296 35	107 47 8 697 281 44	112 53 9 768 258 22	102 51 10 758 242 21	89 47 10 672 207 18	80 46 10 650 195 17	68 38 8 487 152 14	49 34 8 436 127 11	306 178 47 2,424 602 49
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04%	27 16 6 233 121 7 2	49 38 7 446 219 19 6	104 58 11 748 296 35 12	107 47 8 697 281 44 15	112 53 9 768 258 22 14	102 51 10 758 242 21 15	89 47 10 672 207 18 14	80 46 10 650 195 17 14	68 38 8 487 152 14 10	49 34 8 436 127 11 10	306 178 47 2,424 602 49 31
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27%	27 16 233 121 7 2 2	49 38 7 446 219 19 6 4	104 58 11 748 296 35 12 6	107 47 8 697 281 44 15 10	112 53 9 768 258 22 14 9	102 51 10 758 242 21 15 7	89 47 10 672 207 18 14 4	80 46 10 650 195 17 14 4	68 38 8 487 152 14 10 4	49 34 8 436 127 11 10 3	306 178 47 2,424 602 49 31 15
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44%	27 16 6 233 121 7 2 2 0	49 38 7 446 219 19 6 4 0	104 58 11 748 296 35 12 6 0	107 47 8 697 281 44 15 10 0	112 53 9 768 258 22 14 9 0	102 51 10 758 242 21 15 7 0	89 47 10 672 207 18 14 4 0	80 46 10 650 195 17 14 4 0	68 38 8 487 152 14 10 4 0	49 34 8 436 127 11 10 3 0	306 178 47 2,424 602 49 31 15 0
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 1 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02%	27 16 233 121 7 2 2 2 0 0	49 38 7 446 219 19 6 4 0 0	104 58 11 748 296 35 12 6 0 0	107 47 8 697 281 44 15 10 0 0	112 53 9 768 258 22 14 9 0 0	102 51 10 758 242 21 15 7 0 0	89 47 10 672 207 18 14 4 0 0	80 46 10 650 195 17 14 4 0 0	68 38 487 152 14 10 4 0 0	49 34 8 436 127 11 10 3 0 0	306 178 47 2,424 602 49 31 15 0 0
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.24%	27 16 6 233 121 7 2 2 0	49 38 7 446 219 19 6 4 0	104 58 11 748 296 35 12 6 0	107 47 8 697 281 44 15 10 0	112 53 9 768 258 22 14 9 0	102 51 10 758 242 21 15 7 0	89 47 10 672 207 18 14 4 0	80 46 10 650 195 17 14 4 0	68 38 8 487 152 14 10 4 0	49 34 8 436 127 11 10 3 0	306 178 47 2,424 602 49 31 15 0
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 143 \$ 67 \$ 143 \$ 67 \$ 1 \$ 3,169 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$	54.01 53.95 54.87 54.08 52.47 53.39 53.05 53.49 54.10 52.47	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28%	27 16 6 233 121 7 2 2 0 0 0 132	49 38 7 446 219 19 6 4 0 0 248	104 58 11 296 35 12 6 0 0 349	107 47 8 697 281 44 15 10 0 0 351	112 53 9 768 258 22 14 9 0 0 303	102 51 10 758 242 21 15 7 0 0 0 284	89 47 10 672 207 18 14 4 0 0 243	80 46 10 650 195 17 14 4 0 0 230	68 38 487 152 14 10 4 0 0 179	49 34 8 127 11 10 3 0 0 151	306 178 47 2,424 602 49 31 15 0 0 0 698
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville 19468 Royersford	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 7,428 \$	55,970 \$ 63,040 \$ 73,664 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 50,313 \$ 44,464 \$ 63,474 \$ 49,106 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28% 0.73%	27 16 6 233 121 7 2 2 2 0 0 0 132 88	49 38 7 446 219 19 6 4 0 0 248 248	104 58 11 748 296 35 12 6 0 0 0 349 314	107 47 8 697 281 44 15 10 0 0 351 360	112 53 9 768 258 22 14 9 0 0 0 303 303	102 51 10 758 242 21 15 7 0 0 0 284 472	89 47 10 672 207 18 14 4 0 0 243 481	80 46 10 650 195 17 14 4 0 0 230 495	68 38 8 487 152 14 10 4 0 0 0 779 442	49 34 8 436 127 11 10 3 0 0 0 151 449	306 178 47 2,424 602 49 31 15 0 0 0 698 3,724
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney	1,092 \$ 606 \$ 135 \$ 3,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 3,169 \$ 7,428 \$ 3,022 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$ 49,106 \$ 95,534 \$ 112,469 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28% 0.73% 0.63%	27 16 6 233 121 7 2 2 2 0 0 0 132 88 59	49 38 7 446 219 19 6 4 0 0 0 248 154 78	104 58 11 748 296 35 12 6 0 0 0 349 314 123	107 47 8 697 281 44 15 10 0 0 351 360 131	112 53 9 768 258 22 14 9 0 0 0 303 303 448 143	102 51 0 758 242 21 15 7 0 0 0 284 472 147	89 47 10 672 207 18 14 4 0 0 243 481 157	80 46 10 650 195 17 14 4 0 0 230 230 495 160	68 38 487 152 14 10 4 0 0 0 179 442 161	49 34 8 436 127 11 10 3 0 0 0 151 449 158	306 178 47 2,424 602 49 31 15 0 0 0 698 3,724 1,704
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville 19466 Collegeville	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Royersford PA-Royersford PA-Royersford	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 7,428 \$ 3,022 \$ 2,844 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$ 49,106 \$ 9,533 \$ 112,469 \$ 113,208 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63 60.33	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28% 0.73% 0.63% 0.54%	27 16 6 233 121 7 2 0 0 0 132 88 59 26	49 38 7 446 219 19 6 4 0 0 248 154 78 41	104 58 11 748 296 35 12 6 0 0 0 349 314 123 58	107 47 8 697 281 44 15 10 0 0 351 360 131 80	112 53 9 768 258 22 14 9 0 0 0 303 303 448 143 105	102 51 10 758 242 21 15 7 0 0 0 284 472 147 113	89 47 10 672 207 18 14 4 0 0 243 481 157 127	80 46 10 650 195 17 14 4 0 0 230 230 495 160 135	68 38 8 487 152 14 10 4 0 0 0 179 442 161 140	49 34 8 436 127 11 10 3 0 0 0 151 449 158 146	306 178 47 2,424 602 49 31 15 0 0 698 3,724 1,872
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville 19466 Collegeville 19475 Spring City	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Royersford PA-Royersford PA-Royersford PA-Royersford	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 7,428 \$ 3,022 \$ 2,844 \$ 1,773 \$	55,970 \$ 63,040 \$ 73,664 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$ 95,534 \$ 112,469 \$ 95,534 \$ 112,469 \$ 313,208 \$ 100,834 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63 60.33 58.10	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28% 0.73% 0.63% 0.54% 0.69%	27 16 6 233 121 7 2 2 0 0 0 0 132 88 59 26 31	49 38 7 446 219 19 6 4 0 0 248 154 78 41 52	104 58 11 748 296 35 12 6 0 0 349 314 123 58 87	107 47 8 697 281 44 15 10 0 0 351 360 131 80 90	112 53 9 768 2258 22 14 9 0 0 303 303 448 143 105 89	102 51 10 758 242 21 15 7 0 0 0 284 472 147 147 113 93	89 47 10 672 207 18 14 4 0 0 243 481 157 127 92	80 46 10 650 195 17 14 4 0 0 230 230 495 160 135 100	68 38 8 487 152 14 10 4 0 0 0 779 442 161 140 90	49 34 8 436 127 11 10 3 0 0 0 151 449 158 449 158 146 99	306 178 47 2,424 602 49 31 15 0 0 698 3,724 1,704 1,872 948
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville 19426 Collegeville 19475 Spring City 19465 Pottstown	PA-Pocono PA-Pocono PA-Pocono PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford	1,092 \$ 606 \$ 135 \$ 3,139 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 7,428 \$ 3,022 \$ 2,844 \$ 1,773 \$ 847 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 44,464 \$ 63,474 \$ 95,534 \$ 112,469 \$ 133,208 \$ 102,108 \$	54.01 53.95 54.87 54.87 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63 60.33 58.10 58.28	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28% 0.73% 0.63% 0.54% 0.69% 0.68%	27 16 6 233 121 7 2 2 2 0 0 0 132 88 59 26 31 19	49 38 7 446 219 19 6 4 0 0 248 154 78 41 52 17	104 58 11 748 296 35 12 6 0 0 349 314 123 58 87 32	107 47 8 697 281 44 15 10 0 0 0 351 360 131 80 90 41	112 53 9 768 258 22 14 9 0 0 0 303 303 448 143 105 89 46	102 51 10 758 242 21 15 7 0 0 0 284 472 147 113 93 48	89 47 10 672 207 18 14 4 0 0 243 481 157 127 92 50	80 46 10 650 195 17 14 4 0 0 230 230 495 160 135 100 51	68 38 487 152 14 10 4 0 0 0 179 442 161 140 90 48	49 34 8 436 127 11 10 3 0 0 0 151 449 158 146 99 46	306 178 47 2,424 602 49 31 15 0 0 0 698 3,724 1,704 1,872 948 450
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18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15734 Worthville 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville 19462 Collegeville 19475 Spring City 19475 Spring City 19475 Actistown 19475 Schwenksville 19456 Oaks 19453 Mont Clare 19063 Media 19442 Kimberton 16056 Saxonburg 17113 Harrisburg 18801 Montrose 18822 Hallstead	PA-Pocono PA-Pocono PA-Pocono PA-Pocono PA-Pounsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Steelton W PA-Steelton W PA-Steelton W PA-Susquehanna PA-Susquehanna	1,092 \$ 606 \$ 135 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 7,428 \$ 3,022 \$ 2,844 \$ 1,773 \$ 847 \$ 301 \$ 257 \$ 83 \$ 20 \$ 1 \$ 215 \$ 1 \$ 1 \$ 2,183 \$ 1 \$ 2,183 \$ 2,184 \$ 2,1	55,970 \$ 63,040 \$ 73,664 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 50,313 \$ 64,4446 \$ 63,474 \$ 95,534 \$ 112,469 \$ 132,068 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 102,108 \$ 100,834 \$ 100,108 \$ 100,10	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63 60.33 58.10 58.28 58.48 55.42 60.02 55.53 88.48 55.42 60.02 55.53 88.48 55.43 60.02 55.53 88.48 55.43 60.02 55.53 59.11 59.11 59.11 59.11 59.11 59.240 64.49 52.40 54.28 53.00	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.27% 1.27% 1.27% 1.28% 0.63% 0.63% 0.63% 0.63% 0.65% 0.65% 0.65% 0.66% 0.92% 0.66% 0.93% 1.23% 2.32% 1.24%	27 16 6 233 121 7 2 2 0 0 132 88 59 26 31 19 3 7 - 0 0 0 233 12 144 0 144 16 19	49 38 7 446 219 19 6 4 0 0 248 154 78 41 52 17 10 10 11 0 11 0 0 364 28 145 0 146 29 46	104 58 11 748 296 35 12 6 0 0 349 314 123 58 87 32 19 19 1 1 2 0 0 0 656 48 180 0 180 54 63	107 47 8 697 281 44 15 10 0 0 351 360 131 80 90 41 20 20 20 20 2 2 1 0 0 0 745 51 202 0 203 55 59	112 53 9 768 225 22 14 9 0 0 0 303 448 143 105 89 46 18 19 4 1 105 89 46 18 19 4 5 3 229 0 229 58 56	102 51 10 758 242 21 15 7 0 0 284 472 147 113 93 48 19 93 48 19 93 48 19 19 4 1 0 0 917 53 223 0 223 56 53	89 47 10 672 207 18 14 4 0 0 243 481 157 127 92 50 20 20 20 20 19 6 1 1 0 0 954 52 208 0 0 208 50 49	80 46 10 650 195 17 14 4 0 0 230 230 495 160 135 100 51 22 18 5 1 100 51 22 18 5 1 100 988 49 187 0 187 7 45	68 38 487 152 14 10 4 0 0 179 442 161 140 90 48 21 16 7 1 16 7 1 16 7 1 0 0 927 43 151 0 151 152 39 39	49 34 8 436 127 11 10 3 0 0 0 151 449 158 146 99 46 22 15 5 1 146 99 46 22 15 5 1 15 3 7 110 0 0 940 37 1110 33 32	306 178 47 2,424 602 49 31 15 0 0 698 3,724 1,704 1,872 948 450 217 95 49 8 1 1 9,070 236 404 0 404 186 148
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15781 Walston 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville 19475 Collegeville 19475 Collegeville 19475 Collegeville 19475 Spring City 19465 Pottstown 19473 Schwenksville 19464 Pottstown 19453 Mont Clare 19063 Media 19442 Kimberton 16056 Saxonburg 17113 Harrisburg 17101 Harrisburg 17101 Harrisburg 18801 Montrose 18822 Hallstead 18847 Susquehanna	PA-Pocono PA-Pocono PA-Pocono PA-Pocono PA-Ponxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Punxsatawney PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Susoupelanna PA-Steelton W PA-Susquehanna PA-Susquehanna PA-Susquehanna PA-Susquehanna	1,092 \$ 606 \$ 135 \$ 8,319 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 3,169 \$ 7,428 \$ 3,022 \$ 2,844 \$ 1,773 \$ 847 \$ 391 \$ 2,184 \$ 16,667 \$ 2,183 \$ 1 \$ 2,183 \$ 257 \$ 83 \$ 20 \$ 1 \$ 2,184 \$ 2,183 \$ 2,184 \$ 2,184 \$ 2,184 \$ 2,184 \$ 624 \$ 609 \$ 571 \$	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 63,474 \$ 95,534 \$ 113,208 \$ 100,834 \$ 107,815 \$ 72,595 \$ 105,922 \$ 122,798 \$ 122,798 \$ 105,922 \$ 71,169 \$ 50,923 \$ 24,058 \$ 50,910 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63 60.33 58.28 58.48 55.42 60.02 55.53 59.11 59.11 58.48 55.42 60.02 55.53 59.11 58.48 55.38 55.38 52.40 46.49 52.40 55.38	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.44% 1.02% 1.28% 0.73% 0.63% 0.54% 0.63% 0.54% 0.66% 0.68% 0.66% 0.66% 0.58% 0.66% 0.93% 1.23% 2.32% 1.24%	27 16 6 233 121 7 2 0 0 0 132 88 59 26 31 19 3 7 - 0 0 0 233 12 144 0 144 0 144 16 19 24	49 38 7 446 219 19 6 4 0 0 248 154 78 41 52 17 10 11 10 11 0 11 0 0 11 0 0 364 28 145 0 146 29 46 35	104 58 11 748 296 35 12 6 0 0 349 314 123 58 87 32 19 19 19 1 2 0 0 656 48 180 0 180 54 63 56	107 47 8 697 281 44 15 10 0 0 351 360 131 360 131 360 131 360 131 20 20 20 20 20 21 1 0 745 51 202 0 203 55 59 61	112 53 9 768 2258 22 14 9 0 0 0 303 448 143 105 89 46 18 19 4 4 1 0 0 873 53 229 0 229 0 58 56 57	102 51 0 758 242 21 15 7 0 0 284 472 147 113 93 48 19 19 4 1 0 0 917 53 223 0 223 56 53 53	89 47 10 672 207 18 14 4 0 0 243 481 157 127 92 50 20 19 6 1 1 0 0 954 52 208 0 0 2028 50 208 50 43	80 46 10 650 195 17 14 4 0 0 230 495 160 135 100 51 22 18 5 1 22 18 5 1 0 0 988 49 187 0 187 0 187	68 38 8 487 152 14 10 4 0 0 0 179 442 161 140 90 48 21 166 140 90 48 21 166 7 1 10 0 927 43 151 0 151 39 31	49 34 8 436 127 11 10 3 0 0 0 151 449 158 146 99 46 22 15 5 1 449 99 46 22 15 5 1 10 0 940 37 110 0 110 33 32 29	306 178 47 2,424 602 49 31 15 0 0 698 3,724 1,872 948 450 217 95 49 8 1 1 1 9,070 236 404 0 404 186 148 148
18344 Mount Pocono 18436 Lake Ariel 18346 Pocono Summit 15767 Punxsutawney 15715 Big Run 15711 Anita 15734 Worthville 15784 Worthville 15825 Brookville 19468 Royersford 19460 Phoenixville 19462 Collegeville 19475 Spring City 19475 Spring City 19475 Actistown 19475 Schwenksville 19456 Oaks 19453 Mont Clare 19063 Media 19442 Kimberton 16056 Saxonburg 17113 Harrisburg 18801 Montrose 18822 Hallstead	PA-Pocono PA-Pocono PA-Pocono PA-Pocono PA-Pounsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Punsatawney PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Royersford PA-Steelton W PA-Steelton W PA-Steelton W PA-Susquehanna PA-Susquehanna	1,092 \$ 606 \$ 135 \$ 2,699 \$ 258 \$ 143 \$ 67 \$ 1 \$ 143 \$ 1 \$ 3,169 \$ 7,428 \$ 3,022 \$ 2,844 \$ 1,773 \$ 847 \$ 301 \$ 257 \$ 833 \$ 20 \$ 1 \$ 215 \$ 1 \$ 1 \$ 1 \$ 2,183 \$ 1 \$ 2,183 \$ 2,184 \$ 2,18	55,970 \$ 63,040 \$ 73,604 \$ 60,027 \$ 49,411 \$ 38,675 \$ 61,544 \$ 63,474 \$ 90,513 \$ 44,464 \$ 95,534 \$ 113,208 \$ 100,834 \$ 107,815 \$ 72,595 \$ 105,522 \$ 105,522 \$ 105,522 \$ 71,169 \$ 50,923 \$ 24,058 \$ 50,910 \$	54.01 53.95 54.87 54.08 52.47 51.77 53.39 53.05 53.49 54.10 52.47 57.92 58.63 60.33 58.10 58.28 58.48 55.42 60.02 55.53 88.48 55.42 60.02 55.53 88.48 55.43 60.02 55.53 88.48 55.43 60.02 55.53 59.11 59.11 59.11 59.11 59.11 59.240 64.49 52.40 54.28 53.00	1.16% 1.03% 0.89% 1.08% 1.27% 1.61% 1.04% 1.27% 1.27% 1.27% 1.27% 1.28% 0.63% 0.63% 0.63% 0.63% 0.65% 0.65% 0.65% 0.66% 0.92% 0.66% 0.93% 1.23% 2.32% 1.24%	27 16 6 233 121 7 2 2 0 0 132 88 59 26 31 19 3 7 - 0 0 0 233 12 144 0 144 16 19	49 38 7 446 219 19 6 4 0 0 248 154 78 41 52 17 10 10 11 0 11 0 0 364 28 145 0 146 29 46	104 58 11 748 296 35 12 6 0 0 349 314 123 58 87 32 19 19 1 1 2 0 0 0 656 48 180 0 180 54 63	107 47 8 697 281 44 15 10 0 0 351 360 131 80 90 41 20 20 20 20 2 2 1 0 0 0 745 51 202 0 203 55 59	112 53 9 768 2258 22 14 9 0 0 303 448 143 105 89 46 18 19 4 4 1 105 89 46 18 19 4 5 3 229 0 229 58 56	102 51 10 758 242 21 15 7 0 0 284 472 147 113 93 48 19 93 48 19 93 48 19 19 4 1 0 0 917 53 223 0 223 56 53	89 47 10 672 207 18 14 4 0 0 243 481 157 127 92 50 20 20 20 20 19 6 1 1 0 0 954 52 208 0 0 208 50 49	80 46 10 650 195 17 14 4 0 0 230 230 495 160 135 100 51 22 18 5 1 100 51 22 18 5 1 100 988 49 187 0 187 7 45	68 38 487 152 14 10 4 0 0 179 442 161 140 90 48 21 16 7 1 16 7 1 16 7 1 0 0 927 43 151 0 151 152 39 39	49 34 8 436 127 11 10 3 0 0 0 151 449 158 146 99 46 22 15 5 1 146 99 46 22 15 5 1 15 3 7 110 0 0 940 37 1110 33 32	306 178 47 2,424 602 49 31 15 0 0 698 3,724 1,704 1,872 948 450 217 95 49 8 1 1 9,070 236 404 0 404 186 148

Water Affordability Analysis Summary Detail by City

Exhibit CBR-3 Page 8 of 9

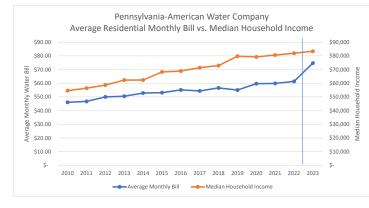
18465 Thompson	PA-Susquehanna	88 \$	55,554 \$	53.35	1.15%	3	5	8	9	9	8	7	7	6	5	22
	PA-Susquehanna	2,150 \$	56,507 \$	53.54	1.14%	73	129	202	208	202	191	170	161	133	112	570
17772 Turbotville	PA-Turbotville W	266 \$	64,695 \$	54.23	1.01%	5	15	22	23	24	24	22	21	17	15	78
15401 Uniontown	Uniontown/Connell	6,576 \$	53,755 \$	53.04	1.18%	326	490	685	655	590	551	467	448	351	305	1,706
15425 Connellsville	Uniontown/Connell	4,193 \$	52,078 \$	52.73	1.22%	147	376	486	424	362	337	293	280	232	201	1,055
15445 Hopwood	Uniontown/Connell	919 \$	62,979 \$	54.07	1.03%	29	61	81	79	75	74	71	67	58	51	273
15456 Lemont Furnace	Uniontown/Connell	129 \$	43,753 \$	51.28	1.41%	8	12	18	15	12	10	9	8	7	6	24
15431 Dunbar	Uniontown/Connell	94 \$	54,335 \$	52.58	1.16%	4	8	10	9	9	8	8	7	6	4	21
15458 Mc Clellandtown	Uniontown/Connell	22 \$	41,053 \$	51.55	1.51%	2	2	2	2	2	2	1	1	1	1	4
15601 Greensburg	Uniontown/Connell	3 \$	69,683 \$	54.92	0.95%	0	0	0	0	0	0	0	0	0	0	1
F	PA-Uniontown/Connell	11,936 \$	53,754 \$	52.98	1.18%	515	950	1,284	1,185	1,051	983	850	812	655	568	3,084
16365 Warren	PA-Warren	4,827 \$	57,881 \$	53.52	1.11%	127	263	469	526	473	431	378	353	307	253	1,248
16313 Clarendon	PA-Warren	87 \$	45,902 \$	51.52	1.35%	3	7	11	10	9	9	7	7	5	4	14
	PA-Warren	4,914 \$	57,669 \$	53.49	1.11%	130	270	481	536	482	440	385	360	312	257	1,262
18702 Wilkes Barre	PA-WB/Scranton	12,212 \$	50,012 \$	52.42	1.26%	882	1,019	1,328	1,215	1,043	978	876	802	673	518	2,878
18704 Kingston	PA-WB/Scranton	11,600 \$	65,349 \$	54.17	0.99%	382	649	982	1,007	1,026	989	880	864	694	643	3,485
18504 Scranton	PA-WB/Scranton	7,628 \$	53,596 \$	52.50	1.18%	455	616	902	738	647	604	535	505	422	358	1,843
18505 Scranton	PA-WB/Scranton	6,194 \$	52,004 \$	52.90	1.22%	315	416	702	653	531	512	447	430	330	286	1,571
18705 Wilkes Barre	PA-WB/Scranton	6,095 \$	55,812 \$	53.41	1.15%	247	298	594	624	576	548	505	463	392	309	1,538
18640 Pittston	PA-WB/Scranton	5,873 \$	58,927 \$	53.42	1.09%	228	423	631	554	504	463	402	387	331	292	1,658
18706 Wilkes Barre	PA-WB/Scranton	5,792 \$	54,762 \$ 50.544 \$	52.69	1.15%	279	475	681	575	453	435 475	418	390	350	291	1,445
18634 Nanticoke	PA-WB/Scranton	5,236 \$ 4,908 \$	50,544 \$ 64,542 \$	52.34 54.57	1.24% 1.01%	284 157	450 224	553	519 434	505 407	392	402	378 359	285 326	235 280	1,149 1,556
18512 Scranton	PA-WB/Scranton	4,908 \$ 4,014 \$	48,478 \$	52.31	1.01%	197	347	399 448	434	372	392	376 304	275	236	176	878
18407 Carbondale 18509 Scranton	PA-WB/Scranton PA-WB/Scranton	3,923 \$	48,478 \$ 65,249 \$	54.67	1.29%	137	201	321	362	372	343	276	275	230	178	1,305
18643 Pittston	PA-WB/Scranton	3,915 \$	65,661 \$	54.67	1.00%	137	201	313	302	334	334	308	302	229	220	1,303
18707 Mountain Top	PA-WB/Scranton	3,901 \$	90,425 \$	57.29	0.76%	101	124	183	206	237	244	247	250	229	220	1,220
18518 Old Forge	PA-WB/Scranton	3,516 \$	63,153 \$	54.21	1.03%	195	149	284	258	292	296	298	274	241	191	1,039
18508 Scranton	PA-WB/Scranton	3,477 \$	44,978 \$	51.10	1.36%	191	324	478	414	354	325	264	243	175	137	571
18651 Plymouth	PA-WB/Scranton	3,294 \$	49,348 \$	52.10	1.27%	165	301	384	367	305	282	241	223	177	140	709
18510 Scranton	PA-WB/Scranton	3,061 \$	52,892 \$	52.97	1.20%	208	217	301	301	278	252	210	202	166	147	780
18403 Archbald	PA-WB/Scranton	2,859 \$	61,836 \$	53.98	1.05%	162	181	229	231	199	224	223	224	166	161	860
18447 Olyphant	PA-WB/Scranton	2,783 \$	59,699 \$	53.82	1.08%	70	142	280	289	254	237	206	201	165	151	788
18641 Pittston	PA-WB/Scranton	2,604 \$	63,816 \$	54.34	1.02%	43	117	230	252	244	233	204	199	159	143	780
18644 Wyoming	PA-WB/Scranton	2,391 \$	74,185 \$	55.13	0.89%	64	136	180	185	177	173	162	164	143	141	866
18519 Scranton	PA-WB/Scranton	2,238 \$	66,562 \$	54.23	0.98%	68	132	198	185	197	188	164	162	130	120	694
18507 Moosic	PA-WB/Scranton	2,063 \$	66,598 \$	54.16	0.98%	24	139	211	166	166	172	159	157	118	107	645
18452 Peckville	PA-WB/Scranton	1,894 \$	66,304 \$	54.39	0.98%	15	89	189	168	178	154	146	131	143	107	574
18642 Duryea	PA-WB/Scranton	1,804 \$	67,056 \$	54.66	0.98%	37	105	156	142	145	137	142	127	128	99	587
18434 Jessup	PA-WB/Scranton	1,716 \$	61,421 \$	53.67	1.05%	37	100	184	192	154	141	119	117	96	91	486
18433 Jermyn	PA-WB/Scranton	1,712 \$	72,063 \$	55.25	0.92%	45	104	136	123	116	117	116	114	101	93	647
18517 Taylor	PA-WB/Scranton	1,673 \$	50,529 \$	52.26	1.24%	57	201	208	134	135	132	115	112	84	75	420
18421 Forest City	PA-WB/Scranton	1,266 \$	62,277 \$	54.24	1.05%	55	53	102	129	109	106	96	94	74	69	378
18709 Luzerne	PA-WB/Scranton	1,136 \$ 650 \$	45,480 \$ 50,552 \$	51.79 51.70	1.37% 1.23%	81 69	93 42	131 72	140 74	108 65	98 55	79 44	76 40	58 37	51 28	222 123
18617 Glen Lyon 18708 Shavertown	PA-WB/Scranton PA-WB/Scranton	593 \$	50,552 \$ 88,580 \$	56.75	0.77%	15	42	39	40	32	35	35	40 38	37	28	272
18655 Shickshinny	PA-WB/Scranton	446 \$	59,804 \$	53.91	1.08%	13	24	39	39	42	40	34	34	27	26	126
18701 Wilkes Barre	PA-WB/Scranton	278 \$	47,643 \$	51.63	1.30%	17	24	41	36	23	23	18	18	10	9	61
18411 Clarks Summit	PA-WB/Scranton	195 \$	87,250 \$	56.83	0.78%	5	20	41	12	11	12	13	13	10	12	87
18444 Moscow	PA-WB/Scranton	177 \$	76,773 \$	55.94	0.87%	4	, 7	12	12	12	13	13	13	11	10	70
18503 Scranton	PA-WB/Scranton	57 \$	19,596 \$	46.51	2.85%	4	14	12	6	6	5	3	2	2	1	2
18612 Dallas	PA-WB/Scranton	24 \$	84,668 \$	56.59	0.80%	1	1	1	2	2	2	1	1	1	1	11
18414 Dalton	PA-WB/Scranton	18 \$	75,106 \$	55.87	0.89%	0	1	1	1	1	1	1	1	1	1	7
18621 Hunlock Creek	PA-WB/Scranton	10 \$	62,019 \$	54.31	1.05%	0	0	1	1	1	1	1	1	1	1	3
	PA-WB/Scranton	123,226 \$	59,014 \$	53.50	1.09%	5,439	8,175	12,142	11,523	10,577	10,080	9,083	8,645	7,197	6,165	34,201
19067 Morrisville	PA-Yardley	11,552 \$	125,664 \$	59.32	0.57%	200	219	391	455	522	542	566	579	561	554	6,962
						8										335
18940 Newtown	PA-Yardley	523 \$	136,276 \$	59.87	0.53%	ð	9	17	19	20	21	23	23	24	23	335
18940 Newtown 18977 Washington Crossing	PA-Yardley PA-Yardley	523 Ş 32 Ş	136,276 \$ 136,786 \$	60.38	0.53%	8 0	9	1/	19	20	21	23	23	24	23	21

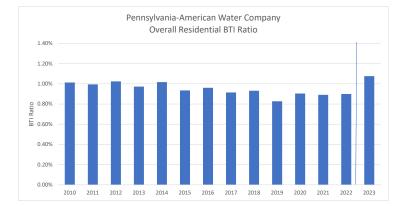
Notes: 1 - Average Monthly Bills for Basic Water Service do not reflect current or porposed low income discounts

Exhibit CBR-3 Page 9 of 9

Pennsylvania-American Water Company 2022 General Rate Case Historical Water Affordability

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PA Revenue	\$ 325,273,489	\$ 329,828,076	\$ 354,169,945	\$ 359,423,318	\$ 378,710,296	\$ 381,550,172	\$ 398,076,489	\$ 394,629,629	\$ 412,096,481	402,858,625	\$ 441,820,109	\$ 446,795,208	\$ 460,954,459	\$ 564,311,553
PA Customers	587,949	588,215	589,738	593,135	597,129	598,469	601,431	604,772	607,073	610,361	617,040	622,110	625,858	629,248
PA Median Income	\$ 48,314	\$ 49,910	\$ 51,904	\$ 55,156	\$ 55,173	\$ 60,389	\$ 60,979	\$ 63,173	\$ 64,524	70,582	\$ 70,117	\$ 71,309	\$ 72,521	\$ 73,754
PA Customer Median Income	\$ 54,595	\$ 56,398	\$ 58,652	\$ 62,326	\$ 62,345	\$ 68,240	\$ 68,906	\$ 71,385	\$ 72,912	79,758	\$ 79,232	\$ 80,579	\$ 81,949	\$ 83,342
PA Average Monthly Bill	\$ 46.10	\$ 46.73	\$ 50.05	\$ 50.50	\$ 52.85	\$ 53.13	\$ 55.16	\$ 54.38	\$ 56.57 \$	55.00	\$ 59.67	\$ 59.85	\$ 61.38	\$ 74.73
PA BTI Ratio	1.01%	0.99	6 1.029	6 0.97%	1.029	6 0.93%	0.96%	0.91%	0.93%	0.83%	0.90%	0.89%	0.90%	1.08%



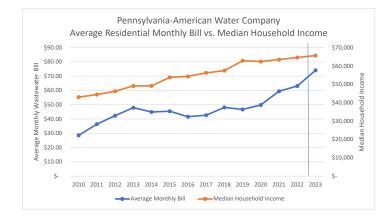


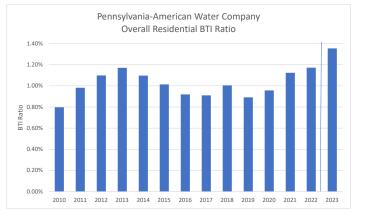
Note 1: Table H-8 Median Household Income by State: 1984 to 2020 U.S. Census Bureau

Note 2: 1.1300 PA adjustment factor to reflect the difference between statewide income and income for PA customers

Pennsylvania-American Water Company 2022 General Rate Case Historical Wastewater Affordability

	2010	0 2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
PA Revenue	\$ 5,735,26	1 \$ 7,129,265 \$	\$ 8,282,703 \$	9,648,475 \$	8,640,140 \$	9,201,208	\$ 12,485,125	\$ 26,483,242	\$ 34,608,173	\$ 35,200,987	\$ 41,847,829	\$ 53,101,165	\$ 68,010,997	\$ 80,161,747
PA Customers	16,729	9 16,337	16,322	16,788	16,033	16,880	25,024	51,725	59,961	62,857	70,045	74,478	89,896	90,168
PA Median Income	\$ 48,314	4 \$ 49,910 \$	\$ 51,904 \$	55,156 \$	55,173 \$	60,389	\$ 60,979	\$ 63,173	\$ 64,524	\$ 70,582	\$ 70,117	\$ 71,309	\$ 72,521	\$ 73,754 (1)
PA Customer Median Income	\$ 42,999	9 \$ 44,420 \$	\$ 46,195 \$	49,089 \$	49,104 \$	53,746	\$ 54,271	\$ 56,224	\$ 57,426	\$ 62,818	\$ 62,404	\$ 63,465	\$ 64,544	\$ 65,641 (2)
PA Average Monthly Bill	\$ 28.5	7 \$ 36.37	\$ 42.29 \$	47.89 \$	44.91 \$	45.42	\$ 41.58	\$ 42.67	\$ 48.10	\$ 46.67	\$ 49.79	\$ 59.41	\$ 63.05	\$ 74.09
PA BTI Ratio	0.80	0.98%	1.10%	1.17%	1.10%	1.01%	0.92%	0.91%	1.01%	0.89%	0.96%	1.12%	1.17%	1.35%





Note 1: Table H-8 Median Household Income by State: 1984 to 2020 U.S. Census Bureau

Note 2: 0.8900 PA adjustment factor to reflect the difference between statewide income and income for PA customers

Pennsylvania-American Water Company

2022 General Rate Case

Wastewater Affordability by Community - Bills for Basic Wastewater Service (40 gallons per household member per day)

					Bill Under												
Income	Household	Water			Proposed	BTI					Cu	stomers by FPL -					
Level	Size	Service	Income	Customers	Rates	Ratio	0-50%	50%-100%	100%-150%	150%-200%	200%-250%	250%-300%	300%-350%	350%-400%	400%-450%	450%-500%	Over 500%
\$0-\$5k	1	1,200 \$	3,000	1,254 \$	39.61	15.8%	1,254	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	2	2,400 \$	3,000	498 \$	61.43	24.6%	498	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	3	3,600 \$	3,000	221 \$	83.42	33.4%	221	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	4	4,800 \$	3,000	100 \$	105.41	42.2%	100	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	5	6,000 \$	3,000	43 \$	127.43	51.0%	43	-	-	-	-	-	-	-	-	-	-
\$0-\$5k	6 7	7,200 \$	3,000	23 \$	149.48	59.8%	23 9	-	-	-	-	-	-	-	-	-	-
\$0-\$5k \$5-\$10k	1	8,400 \$ 1,200 \$	3,000 7,500	9 \$ 1,144 \$	171.53 41.02	68.6% 6.6%	285	859	-	-	-	-	-	-	-	-	-
\$5-\$10k \$5-\$10k	2	2,400 \$	7,500	435 \$	63.83	10.2%	301	134	-	-	-	-	-	-	-	-	-
\$5-\$10k	3	3,600 \$	7,500	170 \$	86.95	13.9%	170	-	-	-	_	-	-	-	-	-	-
\$5-\$10k	4	4,800 \$	7,500	85 \$	110.07	17.6%	85	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	5	6,000 \$	7,500	34 \$	133.21	21.3%	34	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	6	7,200 \$	7,500	19 \$	156.37	25.0%	19	-	-	-	-	-	-	-	-	-	-
\$5-\$10k	7	8,400 \$	7,500	6 \$	179.53	28.7%	6	-	-	-	-	-	-	-	-	-	-
\$10-\$15k	1	1,200 \$	12,500	2,205 \$	40.46	3.9%	-	1,098	1,107	-	-	-	-	-	-	-	-
\$10-\$15k	2	2,400 \$	12,500	489 \$	61.55	5.9%	-	489	-	-	-	-	-	-	-	-	-
\$10-\$15k	3	3,600 \$	12,500	171 \$	83.01	8.0%	23	148	-	-	-	-	-	-	-	-	-
\$10-\$15k	4	4,800 \$	12,500	104 \$	104.47	10.0%	60	44	-	-	-	-	-	-	-	-	-
\$10-\$15k	5	6,000 \$	12,500	36 \$	125.97	12.1%	36	-	-	-	-	-	-	-	-	-	-
\$10-\$15k	6	7,200 \$	12,500	28 \$	147.50	14.2%	28	-	-	-	-	-	-	-	-	-	-
\$10-\$15k	7	8,400 \$	12,500	15 \$	169.04	16.2%	15	-	-	-	-	-	-	-	-	-	-
\$15-\$20k	1	1,200 \$	17,500	2,523 \$	39.91	2.7%	-	-	1,884	638	-	-	-	-	-	-	-
\$15-\$20k	2	2,400 \$	17,500	814 \$	61.22	4.2%	-	311	503	-	-	-	-	-	-	-	-
\$15-\$20k	3	3,600 \$	17,500	308 \$	82.77	5.7%	-	308	-	-	-	-	-	-	-	-	-
\$15-\$20k	4	4,800 \$	17,500	183 \$	104.33	7.2%		183	-	-	-	-	-	-	-	-	-
\$15-\$20k \$15-\$20k	5	6,000 \$	17,500	79 \$ 28 \$	125.93	8.6% 10.1%	1 13	78	-	-	-	-	-	-	-	-	-
\$15-\$20k \$15-\$20k	5	7,200 \$ 8,400 \$	17,500 17,500	28 \$ 15 \$	147.57 169.21	11.6%	13	15 2	-	-	-	-	-	-	-	-	-
\$20-\$25k	1	1,200 \$	22,500	1,803 \$	39.81	2.1%	14	2	-	- 1,796	- 7	-	-	-	-	-	-
\$20-\$25k	2	2,400 \$	22,500	921 \$	61.38	3.3%	-	-	- 921	1,790	,	-	-	-	-	-	-
\$20-\$25k	3	2,400 \$ 3,600 \$	22,500	323 \$	83.17	4.4%	-	86	237						-		-
\$20-\$25k	4	4,800 \$	22,500	168 \$	104.97	5.6%	_	168	-	-	_	-	-	-	-	-	-
\$20-\$25k	5	6,000 \$	22,500	96 \$	126.79	6.8%	-	96	-	-	-	-	-	-	-	-	-
\$20-\$25k	6	7,200 \$	22,500	42 \$	148.65	7.9%	-	42	-	-	-	-	-	-	-	-	-
\$20-\$25k	7	8,400 \$	22,500	13 \$	170.50	9.1%	-	13	-	-	-	-	-	-	-	-	-
\$25-\$35k	1	1,200 \$	30,000	2,982 \$	40.43	1.6%	-	-	-	-	1,856	1,126	-	-	-	-	-
\$25-\$35k	2	2,400 \$	30,000	2,205 \$	62.23	2.5%	-	-	80	1,864	260	-	-	-	-	-	-
\$25-\$35k	3	3,600 \$	30,000	709 \$	84.29	3.4%	-	-	496	213	-	-	-	-	-	-	-
\$25-\$35k	4	4,800 \$	30,000	550 \$	106.36	4.3%	-	41	509	-	-	-	-	-	-	-	-
\$25-\$35k	5	6,000 \$	30,000	258 \$	128.48	5.1%	-	134	125	-	-	-	-	-	-	-	-
\$25-\$35k	6	7,200 \$	30,000	106 \$	150.66	6.0%	-	102	4	-	-	-	-	-	-	-	-
\$25-\$35k	7	8,400 \$	30,000	49 \$	172.84	6.9%	-	49	-	-	-	-	-	-	-	-	-
\$35-\$50k	1	1,200 \$	42,500	3,411 \$	41.03	1.2%	-	-	-	-	-	562	1,420	1,420	9	-	-
\$35-\$50k	2	2,400 \$	42,500	3,321 \$	62.97	1.8%	-	-	-	-	1,611	1,710	-	-	-	-	-
\$35-\$50k	3	3,600 \$	42,500	1,115 \$	85.23	2.4%	-	-		569	546	-	-	-	-	-	-
\$35-\$50k	4	4,800 \$	42,500	710 \$	107.50	3.0%	-	-	172	539	-	-	-	-	-	-	-
\$35-\$50k	5	6,000 \$	42,500	451 \$	129.84	3.7%	-	-	308	143	-	-	-	-	-	-	-
\$35-\$50k	6	7,200 \$	42,500	204 \$	152.26 174.68	4.3%	-	- 19	204	-	-	-	-	-	-	-	-
\$35-\$50k	1	8,400 \$	42,500	73 \$ 3,666 \$	40.93	4.9% 0.8%	-	19	53	-	-	-	-	-	- 910	-	- 1,841
\$50-\$75k \$50-\$75k	1	1,200 \$ 2,400 \$	62,500 62,500	5,120 \$	40.93 63.47	1.2%	-	-	-	-	-	- 149	- 1,731	1,731	1,507	916	1,841
\$50-\$75k	3	2,400 \$ 3,600 \$	62,500	1,965 \$	86.22	1.7%	-		-		261	838	838	27	1,507		-
\$50-\$75k	4	4,800 \$	62,500	1,523 \$	108.98	2.1%	-	_	-	91	784	647	-	-	-	-	-
\$50-\$75k	5	4,800 \$ 6,000 \$	62,500	699 \$	131.82	2.5%	-	-	-	289	410	-	-	-	-	-	-
\$50-\$75k	6	7,200 \$	62,500	294 \$	154.74	3.0%	-	-	22	203	68	-	-	-	-	-	-
\$50-\$75k	7	8,400 \$	62,500	177 \$	177.65	3.4%	-	-	60	116	-	-	-	-	-	-	-
\$75-\$100k	1	1,200 \$	87,500	1,978 \$	41.41	0.6%	-	-	-	-	-	-	-	-	-	-	1,978
\$75-\$100k	2	2,400 \$	87,500	4,245 \$	64.26	0.9%	-	-	-	-	-	-	-	-	186	1,436	2,623
\$75-\$100k	3	3,600 \$	87,500	1,841 \$	87.33	1.2%	-	-	-	-	-	-	-	760	785	296	-
\$75-\$100k	4	4,800 \$	87,500	1,493 \$	110.41	1.5%	-	-	-	-	-	134	769	590	-	-	-
\$75-\$100k	5	6,000 \$	87,500	655 \$	133.61	1.8%	-	-	-	-	11	395	249	-	-	-	-
\$75-\$100k	6	7,200 \$	87,500	264 \$	156.92	2.2%	-	-	-	-	121	143	-	-	-	-	-
\$75-\$100k	7	8,400 \$	87,500	155 \$	180.23	2.5%	-	-	-	19	121	15	-	-	-	-	-

Pennsylvania-American Water Company

2022 General Rate Case

Wastewater Affordability by Community - Bills for Basic Wastewater Service (40 gallons per household member per day)

					Bill Under												
Income	Household	Water			Proposed	BTI					Cu	stomers by FPL -					
Level	Size	Service	Income	Customers	Rates	Ratio	0-50%	50%-100%	100%-150%	150%-200%	200%-250%	250%-300%	300%-350%	350%-400%	400%-450%	450%-500%	Over 500%
\$100-\$150k	1	1,200 \$	125,000	1,102 \$	41.81	0.4%	-	-	-	-	-	-	-	-	-	-	1,102
\$100-\$150k	2	2,400 \$	125,000	4,536 \$	65.04	0.6%	-	-	-	-	-	-	-	-	-	-	4,536
\$100-\$150k	3	3,600 \$	125,000	2,193 \$	88.49	0.8%	-	-	-	-	-	-	-	-	-	292	1,901
\$100-\$150k	4	4,800 \$	125,000	1,953 \$	111.95	1.1%	-	-	-	-	-	-	-	117	503	503	830
\$100-\$150k	5	6,000 \$	125,000	895 \$	135.54	1.3%	-	-	-	-	-	-	100	270	270	255	-
\$100-\$150k	6	7,200 \$	125,000	334 \$	159.28	1.5%	-	-	-	-	-	25	116	116	78	-	-
\$100-\$150k	7	8,400 \$	125,000	184 \$	183.01	1.8%	-	-	-	-	-	63	72	50	-	-	-
Over \$150k	1	1,200 \$	200,000	459 \$	41.78	0.3%	-	-	-	-	-	-	-	-	-	-	459
Over \$150k	2	2,400 \$	200,000	2,632 \$	65.17	0.4%	-	-	-	-	-	-	-	-	-	-	2,632
Over \$150k	3	3,600 \$	200,000	1,498 \$	88.66	0.5%	-	-	-	-	-	-	-	-	-	-	1,498
Over \$150k	4	4,800 \$	200,000	1,620 \$	112.16	0.7%	-	-	-	-	-	-	-	-	-	-	1,620
Over \$150k	5	6,000 \$	200,000	685 \$	135.92	0.8%	-	-	-	-	-	-	-	-	-	6	679
Over \$150k	6	7,200 \$	200,000	231 \$	159.92	1.0%	-	-	-	-	-	-	-	-	13	40	178
Over \$150k	7	8,400 \$	200,000	131 \$	183.92	1.1%	-	-	-	-	-	-	-	8	26	26	72
							3,237	4,420	6,686	6,480	6,056	5,808	5,295	5,089	4,287	3,768	21,950

Notes: 1 - Average Monthly Bills for Basic Wastewater Service do not reflect current or porposed low income discounts

Pennsylvania-American Water Company

2022 General Rate Case

Wastewater Affordability by Community - Bills for Basic Wastewater Service (40 gallons per household member per day)

			Household	Avg. Monthly Bill	BTI					Ci	ustomers by FPL					
ip Code City	Tariff	Customers	Income	Basic Service	Ratio	0-50%	50%-100%	100%-150%	150%-200%	200%-250%	250%-300%	300%-350%	350%-400%	400%-450%	450%-500%	Over
19320 Coatesville	SSS - Statewide	4,966 \$	81,623 \$	91.32	1.34%	130	179	275	318	331	339	348	342	317	291	2
18466 Tobyhanna	SSS - Statewide	3,817 \$	60,146 \$		1.73%	108	207	339	315	349	349	310	302	220	203	1
18324 Bushkill	SSS - Statewide	2,716 \$	67,034 \$	86.63	1.55%	118	157	236	247	231	213	187	186	163	155	
17070 New Cumberland	SSS - Statewide	2,215 \$	76,060 \$		1.44%	48	54	111	154	172	172	176	168	159	138	
16214 Clarion	SSS - Statewide	1,891 \$	55,464 \$	85.21	1.84%	130	126	180	164	151	148	144	131	113	87	
19365 Parkesburg	SSS - Statewide	1,136 \$	84,859 \$		1.29%	21	41	60	59	76	80	87	86	80	77	
18301 East Stroudsburg	SSS - Statewide	897 \$	69,688 \$		1.53%	40	37	65	72	69	69	64	63	52	48	
17319 Etters	SSS - Statewide	737 \$	79,160 \$		1.39%	16	12	28	46	57	59	62	60	56	50	
16254 Shippenville	SSS - Statewide	555 \$	59,376 \$		1.75%	10	25	49	55	51	51	46	44	34	30	
17011 Camp Hill	SSS - Statewide	524 \$	86,288 \$		1.28%	8	14	28	35	36	35	35	35	33	31	
15323 Claysville	SSS - Statewide	449 \$	65,344 \$		1.61%	11	21	36	38	36	36	36	34	31	27	
17339 Lewisberry	SSS - Statewide	428 \$	91.824 \$		1.23%	6	9	15	21	25	27	32	31	30	27	
18328 Dingmans Ferry	SSS - Statewide	394 \$	62,243 \$		1.69%	20	18	26	33	29	31	32	31	26	23	
16136 Koppel	SSS - Statewide	328 \$	50,849 \$		1.95%	20	23	41	42	29	29	27	26	20	20	
						0	25	41	42	10				20	20	
17749 Mc Ewensville	SSS - Statewide	100 \$	81,721 \$		1.32%						10	10	10	-		
18302 East Stroudsburg	SSS - Statewide	63 \$	65,807 \$		1.61%	2	3	5	5	5	5	5	5	4	3	
17777 Watsontown	SSS - Statewide	20 \$	61,494 \$		1.69%	0	1	2	2	2	2	2	2	1	1	
16258 Strattanville	SSS - Statewide	18 \$	57,269 \$		1.78%	-	1	-	-	2	-	1	-	1	1	
16157 Wampum	SSS - Statewide	4 \$	58,459 \$		1.75%	0	0	0	0	0	0	0	0	0	0	
15010 Beaver Falls	SSS - Statewide	1 \$	67,996 \$		1.56%	0	0	0	0	0	0	0	0	0	0	
17055 Mechanicsburg	SSS - Statewide	1 \$	82,580 \$		1.33%	0	0	0	0	0	0	0	0	0	0	
18346 Pocono Summit	SSS - Statewide	1 \$	73,604 \$		1.44%	0	0	0	0	0	0	0	0	0	0	
19018 Clifton Heights	SSS - Statewide	1 \$	73,298 \$	88.91	1.46%	0	0	0	0	0	0	0	0	0	0	
17070 New Cumberland	SSS - New Cumberland	2,804 \$	76,060 \$	90.97	1.44%	61	68	140	195	218	217	223	213	201	174	
18504 Scranton	CSS - Scranton	7,228 \$	53,596 \$	48.48	1.09%	431	584	855	699	613	573	507	479	400	340	
18505 Scranton	CSS - Scranton	6,099 \$	52,004 \$	48.81	1.13%	310	410	691	643	523	504	440	423	325	282	
18509 Scranton	CSS - Scranton	3,889 \$	65,249 \$	50.26	0.92%	135	199	318	359	334	307	274	256	227	186	
18508 Scranton	CSS - Scranton	3,337 \$	44,978 \$	47.33	1.26%	184	311	458	398	340	312	253	233	168	132	
18512 Scranton	CSS - Scranton	3,252 \$	64,542 \$	50.18	0.93%	104	149	264	287	269	260	249	238	216	186	
18510 Scranton	CSS - Scranton	2,968 \$	52,892 \$	48.87	1.11%	201	211	291	292	269	244	204	196	161	142	
18503 Scranton	CSS - Scranton	57 \$	19,596 \$	43.54	2.67%	4	14	12	6	6	5	3	2	2	1	
18444 Moscow	CSS - Scranton	3 \$	76,773 \$	51.31	0.80%	0	0	0	0	0	0	0	0	0	0	
18507 Moosic	CSS - Scranton	2 \$	66,598 \$	49.84	0.90%	0	0	0	0	0	0	0	0	0	0	
18517 Taylor	CSS - Scranton	2 \$	50,529 \$		1.15%	0	0	0	0	0	0	0	0	0	0	
18519 Scranton	CSS - Scranton	1 \$	66,562 \$		0.90%	0	0	0	0	0	0	0	0	0	0	
18704 Kingston	CSS - Scranton	1 \$	65.349 \$		0.92%	0	ů 0	ő	0	ő	ů 0	ů 0	ő	0	0	
16735 Kane	CSS - Kane	1.843 \$	51.621 \$		1.99%	73	145	195	178	177	168	141	137	102	89	
17353 Orrtanna	SSS - Franklin	1,843 \$	68,763 \$		1.66%	/3	145	195	178	1//	108	141	157	102	12	
17307 Biglerville	SSS - Franklin	125 \$	70,505 \$		1.62%	3	4	9	10	10	10	10	10	9	8	
		5,840 \$			2.60%	483		878	691	515	462	362	343	252	211	
15132 Mckeesport	CSS - McKeesport	5,840 \$ 1,649 \$	36,651 \$		2.60%	483	712 201	236	171	150	462	101	343 92	252	49	
15110 Duquesne	CSS - McKeesport		35,247 \$						71							
15034 Dravosburg	CSS - McKeesport	558 \$ 17 \$	41,389 \$		2.40%	21	41	76 2	/1	66	53	32	33 1	21	22	
15122 West Mifflin	CSS - McKeesport	+	56,908 \$		1.81%	=	1			1	1	1		1	1	
15133 Mckeesport	CSS - McKeesport	2 \$	60,125 \$		1.71%	0	0	0	0	0	0	0	0	0	0	
15133 Mckeesport	CSS - Port Vue	1,613 \$	60,125 \$		1.38%	47	86	153	161	155	146	130	125	103	93	
15132 Mckeesport	CSS - Port Vue	29 \$	36,651 \$		2.11%	2	4	4	3	3	2	2	2	1	1	
15131 Mckeesport	CSS - Port Vue	9\$	69,518 \$		1.23%	0	0	1	1	1	1	1	1	1	1	
19320 Coatesville	SSS - Sadsbury	824 \$	81,623 \$		1.34%	22	30	46	53	55	56	58	57	53	48	
19365 Parkesburg	SSS - Sadsbury	238 \$	84,859 \$		1.29%	4	8	13	12	16	17	18	18	17	16	
17772 Turbotville	SSS - Turbotville	255 \$	64,695 \$		1.61%	5	14	21	22	23	23	21	20	16	14	
19606 Reading	SSS - Exeter	6,375 \$	78,052 \$	90.70	1.39%	162	219	375	433	452	457	471	456	427	380	
19508 Birdsboro	SSS - Exeter	1,163 \$	73,609 \$	89.63	1.46%	31	39	75	97	99	93	81	82	71	67	
19608 Reading	SSS - Exeter	28 \$	99,440 \$	93.70	1.13%	0	1	1	1	2	2	2	2	2	2	
19607 Reading	SSS - Exeter	26 \$	71,415 \$	89.11	1.50%	1	1	2	2	2	2	2	2	2	2	
19610 Reading	SSS - Exeter	4 \$	92,045 \$	93.13	1.21%	0	0	0	0	0	0	0	0	0	0	
19601 Reading	SSS - Exeter	1 \$	35,513 \$		2.66%	0	0	0	0	0	0	0	0	0	0	
19468 Royersford	Royersford	1,270 \$	95,534 \$		0.66%	15	26	54	62	77	81	82	85	76	77	

Notes: 1 - Average Monthly Bills for Basic Wastewater Service do not reflect current or proposed low income discounts

REGRESSION MODEL

SUMMARY OUTPUT

Regression Statis	stics
Multiple R	0.9306
R Square	0.8660
Adjusted R Square	0.8452
Standard Error	0.1147
Observations	120

ANOVA

ANOVA					
	df	SS	MS	F	Significance F
Regression	16	8.76	0.5476	41.6043	0.0000
Residual	103	1.36	0.0132		
Total	119	10.12			

	Coefficients Stan	dard Erroı	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	3.1902	0.0463	68.8581	0.0000	3.0983	3.2821	4.3812	4.8161
Jan	0.2142	0.0515	4.1634	0.0001	0.1122	0.3163	-0.0904	0.4442
Feb	-0.0620	0.0514	-1.2066	0.2304	-0.1640	0.0399	-0.5977	-0.0631
Mar	-0.1970	0.0514	-3.8329	0.0002	-0.2989	-0.0951	-0.5800	-0.0454
Apr	-0.0112	0.0514	-0.2174	0.8283	-0.1132	0.0908	-0.4491	0.0880
May	-0.0003	0.0514	-0.0056	0.9956	-0.1022	0.1016	0.0664	0.6039
Jun	0.3981	0.0514	7.7494	0.0000	0.2962	0.5000	1.5893	2.1274
Jul	0.4707	0.0514	9.1663	0.0000	0.3688	0.5725	3.0936	3.6314
Aug	0.3511	0.0513	6.8388	0.0000	0.2493	0.4529	3.0495	3.5871
Sep	0.3384	0.0513	6.5942	0.0000	0.2366	0.4402	2.6027	3.1405
Oct	0.0032	0.0513	0.0625	0.9503	-0.0986	0.1050	1.1906	1.7252
Nov	-0.0938	0.0513	-1.8281	0.0704	-0.1956	0.0080	-0.0387	0.4958
Trend	-0.0052	0.0004	-12.1778	0.0000	-0.0060	-0.0043	-0.0084	-0.0050
Rain	-0.0322	0.0094	-3.4382	0.0008	-0.0508	-0.0136	-0.2999	-0.1944
CDD	0.0017	0.0004	3.9527	0.0001	0.0008	0.0025	0.0050	0.0095
HDD	0.0004	0.0001	2.7209	0.0076	0.0001	0.0007	0.0050	0.0095
COVID	0.2174	0.0385	5.6469	0.0000	0.1411	0.2938	0.2478	0.8078

REGRESSION MODEL

SUMMARY OUTPUT

Regression Statistics										
Multiple R	0.9224									
R Square	0.8509									
Adjusted R Square	0.8293									
Standard Error	0.9972									
Observations	120									

ANOVA

ANUVA					
	df	SS	MS	F	Significance F
Regression	15	590.01	39.3342	39.5533	0.0000
Residual	104	103.42	0.9945		
Total	119	693.44			

	Coefficients Star	ndard Erroi	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	21.4947	0.4013	53.5667	0.0000	20.6990	22.2905	4.3812	4.8161
Jan	-0.2137	0.4470	-0.4781	0.6336	-1.1001	0.6727	-0.0904	0.4442
Feb	-0.5612	0.4469	-1.2559	0.2120	-1.4473	0.3249	-0.5977	-0.0631
Mar	-0.6250	0.4468	-1.3990	0.1648	-1.5110	0.2609	-0.5800	-0.0454
Apr	-0.1285	0.4469	-0.2875	0.7743	-1.0148	0.7578	-0.4491	0.0880
May	-0.1204	0.4467	-0.2696	0.7880	-1.0063	0.7654	0.0664	0.6039
Jun	2.4459	0.4465	5.4778	0.0000	1.5605	3.3314	1.5893	2.1274
Jul	3.8519	0.4464	8.6298	0.0000	2.9668	4.7371	3.0936	3.6314
Aug	4.2221	0.4462	9.4620	0.0000	3.3372	5.1069	3.0495	3.5871
Sep	4.7353	0.4461	10.6147	0.0000	3.8507	5.6200	2.6027	3.1405
Oct	2.4474	0.4460	5.4870	0.0000	1.5629	3.3319	1.1906	1.7252
Nov	0.3663	0.4460	0.8213	0.4134	-0.5181	1.2507	-0.0387	0.4958
Trend	-0.0163	0.0037	-4.4499	0.0000	-0.0236	-0.0090	-0.0084	-0.0050
Rain	-0.1905	0.0775	-2.4587	0.0156	-0.3441	-0.0368	-0.2999	-0.1944
CDD	0.0063	0.0032	2.0066	0.0474	0.0001	0.0126	0.0050	0.0095
COVID	-1.8426	0.3322	-5.5472	0.0000	-2.5013	-1.1839	0.2478	0.8078

REGRESSION MODEL

SUMMARY OUTPUT

Regression Statistics										
Multiple R	0.8907									
R Square	0.7933									
Adjusted R Square	0.7635									
Standard Error	4.4435									
Observations	120									

ANOVA

ANUVA					
	df	SS	MS	F	Significance F
Regression	15	7882.83	525.5217	26.6160	0.0000
Residual	104	2053.44	19.7446		
Total	119	9936.27			

	Coefficients St	andard Erroi	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	60.6607	1.7880	33.9266	0.0000	57.1150	64.2064	4.3812	4.8161
Jan	0.5987	1.9917	0.3006	0.7643	-3.3510	4.5483	-0.0904	0.4442
Feb	3.7484	1.9911	1.8825	0.0626	-0.2001	7.6969	-0.5977	-0.0631
Mar	-0.0221	1.9907	-0.0111	0.9912	-3.9697	3.9255	-0.5800	-0.0454
Apr	-1.0431	1.9915	-0.5238	0.6015	-4.9923	2.9061	-0.4491	0.0880
May	1.0024	1.9905	0.5036	0.6156	-2.9448	4.9496	0.0664	0.6039
Jun	8.7657	1.9896	4.4057	0.0000	4.8202	12.7112	1.5893	2.1274
Jul	11.1154	1.9889	5.5888	0.0000	7.1714	15.0594	3.0936	3.6314
Aug	13.3317	1.9883	6.7052	0.0000	9.3889	17.2745	3.0495	3.5871
Sep	17.4279	1.9878	8.7675	0.0000	13.4861	21.3698	2.6027	3.1405
Oct	9.9669	1.9875	5.0149	0.0000	6.0257	13.9081	1.1906	1.7252
Nov	4.8810	1.9873	2.4561	0.0157	0.9402	8.8218	-0.0387	0.4958
Trend	-0.0428	0.0163	-2.6178	0.0102	-0.0752	-0.0104	-0.0084	-0.0050
Rain	-0.7914	0.3452	-2.2927	0.0239	-1.4759	-0.1069	-0.2999	-0.1944
CDD	0.0364	0.0141	2.5810	0.0112	0.0084	0.0643	0.0050	0.0095
COVID	-12.5105	1.4801	-8.4523	0.0000	-15.4456	-9.5754	0.2478	0.8078

Resolution Endorsing Consideration of Alternative Regulation that Supports Capital Investment in the 21st Century for Water and Wastewater Utilities

WHEREAS, Through the *Resolution Supporting Consideration of Regulatory Policies Deemed* as "Best Practices" (2005), the National Association of Regulatory Utility Commissioners (NARUC) has previously recognized the important role of innovative regulatory policies and mechanisms in facilitating the efforts of water and wastewater utilities to address their significant infrastructure investment challenges; and

WHEREAS, Traditional cost of service ratemaking, which has worked reasonably well in the past for water and wastewater utilities, no longer adequately addresses the challenges of today and tomorrow. Revenue, driven by declining use per customer, is flat to decreasing, while the nature of investment (rate base) has shifted largely from plant needed for serving new customers to non-revenue producing infrastructure replacement and compliance with new drinking water standards; *and*

WHEREAS, The traditional cost of service model is not well adapted to a no/low growth, high investment utility environment and is unlikely to encourage the necessary future investment in infrastructure replacement; *and*

WHEREAS, Compared to the water and wastewater industry, the electric and natural gas delivery industries have in place a larger number and a greater variety of alternative regulation policies, such as multiyear rate plans and rate stabilization programs, and those set forth in the 2005 Resolution; *and*

WHEREAS, The U.S. water industry is the most capital intensive sector of regulated utilities and faces critical investment needs that are expected to total \$335 billion to \$1 trillion over the next quarter century, as noted in the *American Society of Civil Engineers 2013 Report Card for America's Infrastructure; and*

WHEREAS, Tap water is physically ingested and the quality of the service must be maintained to protect the health and economic well-being of communities across our Nation and comply with current and future regulations covering the control of a number of contaminants from nitrosamines to chromium, at a cost estimated at \$42 billion by the EPA as part of their April 2013 Report to Congress; *and*

WHEREAS, Alternative regulatory mechanisms can enhance the efficiency and effectiveness of water and wastewater utility regulation by reducing regulatory costs, increasing rates for customers, when necessary, on a more gradual basis; and providing the predictability and regulatory certainty that supports the attraction of debt and equity capital at reasonable costs and maintains that access at all times; *now, therefore be it*

RESOLVED, That the National Association of Regulatory Utility Commissioners, convened at its 125th Annual Meeting in Orlando, Florida, supports consideration of alternative regulation plans and mechanisms along with and in addition to the policies and mechanisms outlined in the

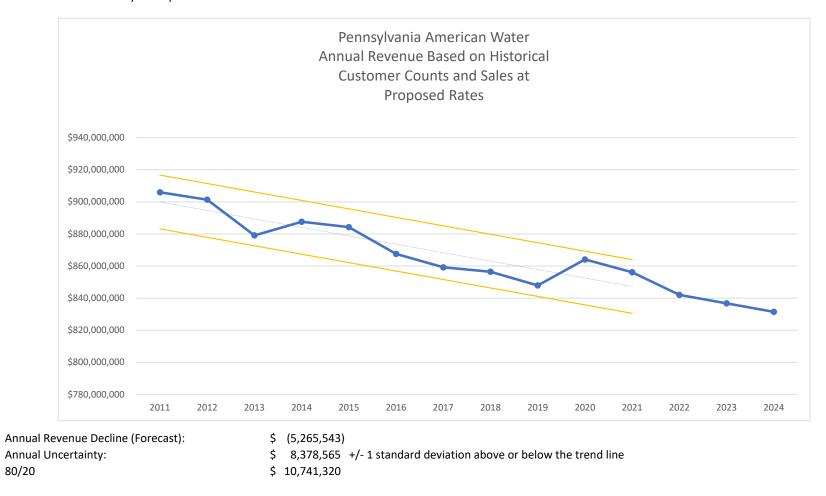
Resolution Supporting Consideration of Regulatory Policies Deemed as "Best Practices" adopted by the NARUC Board of Directors on July 27, 2005; and be it further

RESOLVED, That the Committee on Water stands ready to assist economic regulators with implementation of alternative regulatory approaches that support water companies' capital investment needs of the 21^{st} century.

Sponsored by the Committee on Water

Recommended by the NARUC Board of Directors November 19, 2013 Adopted by the NARUC Committee of the Whole November 20, 2013.

Pennsylvania-American Water Company RSM Analysis Annual Revenue Volatility at Proposed Rates



Total revenue does not include revenue for fire service or Sales for Resale customers and is not adjusted for acquisitions

Exhibit CBR-9 Page 1 of 1

PENNSYLVANIA-AMERICAN WATER COMPANY -WATER OPERATIONS SUMMARY OF APPLICATION OF PRESENT RATES AND PROPOSED RATES 12 MONTHS ENDING DECEMBER 31, 2023

				Industi	ial	0	ther Water Util	ities	
					Demand-Base			Demand Base	
Rate Zone	Residential	Commercial	Municipal	Industrial	(DIS)	Group A	Group B	(DRS)	Total
Present Rate Application									
Zone 1 - Most Areas	\$455,791,778	\$174,627,244	\$21,155,791	\$29,176,556	\$3,891,115	\$244,982	\$54,566	\$2,733,803	\$687,675,834
Zone 2 - Winola	6,876	0	0						6,876
Zone 3 - McEwensville	69,768	10,312	230						80,310
Zone 4 - Turbotville	184,342	65,335	261						249,937
Zone 5 - Steelton	1,202,014	362,653	9,383	1,372,393					2,946,444
Zone 6 - Valley	653,182	15,118	14,731	1,083					684,115
Zone 7 - SLIBCO		61,146							61,146
	\$457,907,960	\$175,141,809	\$21,180,396	\$30,550,032	\$3,891,115	\$244,982	\$54,566	\$2,733,803	\$691,704,662
Private Fire Services									\$4,925,568
Public Fire Services									8,842,466
Other Operating Revenues									10,157,762
Total @ Present Rate	\$457,907,960	\$175,141,809	\$21,180,396	\$30,550,032	\$3,891,115	\$244,982	\$54,566	\$2,733,803	\$715,630,458
Proposed Rate Application									
Zone 1 - Most Areas	\$555,695,992	\$217,318,550	\$22,603,487	\$35,719,081	\$3,891,115	\$271,466	\$59,162	\$2,733,803	\$838,292,655
Zone 2 - Winola	5,129	0	0						5,129
Zone 3 - McEwensville	109,262	17,515	266						127,043
Zone 4 - Turbotville	225,536	80,907	287						306,730
Zone 5 - Steelton	2,058,491	445,669	11,832	1,528,764					4,044,755
Zone 6 - Valley	1,271,985	28,755	62,883	2,210					1,365,833
Zone 7 - SLIBCO		75,840							75,840
	\$559,366,395	\$217,967,237	\$22,678,754	\$37,250,055	\$3,891,115	\$271,466	\$59,162	\$2,733,803	\$844,217,986
Private Fire Services									\$5,268,028
Public Fire Services									9,448,871
Other Operating Revenues									11,115,826
Total @ Proposed Rate	\$559,366,395	\$217,967,237	\$22,678,754	\$37,250,055	\$3,891,115	\$271,466	\$59,162	\$2,733,803	\$870,050,711
Change in Revenues	\$101,458,435	\$42,825,428	\$1,498,358	\$6,700,023	\$0	\$26,484	\$4,596	\$0	\$154,420,253
% Change in Revenues	22.16%	24.45%	7.07%	21.93%	0.00%	10.81%	8.42%	0.00%	21.58%
/o change in nevenues	22.10%	24.43%	7.0770	21.33%	0.00%	10.01%	0.4270	0.00%	21.30%

Residential Class	2021 Usage (in 100 Gallons)	2021 Number of Bills	2021 Annualized Revenues	2022 Usage (in 100 Gallons)	2022 Number of Bills	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Usage (in 100 Gallons)	2023 Number of Bills	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most Areas	248,781,773	7,145,428	\$444,814,890	243,919,454	7,165,490	\$13,709,410	\$458,838,278	241,038,089	7,205,913	\$455,791,778	\$555,695,992	22.00%
Zone 2 - Winola		201	6,671		201	205	6,876	645	201	6,876	5,129	-25.00%
Zone 3 - McEwensville	45,607	1,527	57,879	45,607	1,527	2,085	69,768	45,607	1,527	69,768	109,262	57.00%
Zone 4 - Turbotville	94,985	3,131	163,073	94,985	3,131	5,508	184,342	94,985	3,131	184,342	225,536	22.00%
Zone 5 - Steelton	903,173	25,677	1,099,512	903,173	25,677	35,916	1,202,014	903,173	25,677	1,202,014	2,058,491	71.00%
Zone 6 - Valley	578,043	45,402	653,182	578,043	597,711		653,182	578,043	597,711	653,182	1,271,985	95.00%
Zone 7 - SLIBCO												0.00%
Total Residential	250,403,581	7,221,367	\$446,795,208	245,541,262	7,793,737	\$13,753,124	\$460,954,459	242,660,542	7,834,160	\$457,907,960	\$559,366,395	22.00%

ſ			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 1	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
				-									
Customer Charge													
5/8 - Meter	6,960,041	\$17.00	\$118,320,693	6,971,934	\$17.50	\$3,757,872	\$125,766,713	6,992,296	\$17.50	\$126,123,048	\$20.00	\$139,845,916	11.00%
3/4 - Meter	10,769	17.00	183,069	10,769	17.50	5,804	194,258	10,769	17.50	194,258	20.00	215,376	11.00%
1 - Meter	156,869	17.00	2,666,773	156,869	17.50	84,552	2,829,760	156,869	17.50	2,829,760	20.00	3,137,380	11.00%
1 1/2 - Meter	2,536	17.00	43,117	2,536	17.50	1,367	45,753	2,536	17.50	45,753	20.00	50,726	11.00%
2 - Meter	1,351	111.90	151,148	1,351	115.20	4,793	160,398	1,351	115.20	160,398	131.70	177,892	11.00%
3 - Meter	0	208.70	0	0	214.90	0	0	0	214.90	0	245.60	0	0.00%
4 - Meter	170	262.00	44,650	170	269.70	1,416	47,378	170	269.70	47,378	308.20	52,523	11.00%
6 - Meter	95	392.10	37,128	95	403.70	1,177	39,404	95	403.70	39,404	461.40	43,690	11.00%
8 - Meter	4	759.20	3,037	4	781.60	96	3,223	4	781.60	3,223	893.30	3,573	11.00%
Subtotal	7,131,835		\$121,449,616	7,143,728	-	\$3,857,078	\$129,086,886	7,164,090		\$129,443,221		\$143,527,077	11.00%
Unmetered Customers	1,700	\$61.93	105,303	1,700	\$62.78	\$3,288	\$110,036	1,700	\$62.78	\$110,036	\$74.00	\$125,827	14.00%
Usage (in 100 Gallons)													
All Usage	253,107,911	\$1.2991	\$328,812,487	242,134,468	\$1.3100	\$9,769,642	\$326,965,795	237,439,378	\$1.3100	\$320,815,226	\$1.7276	\$410,200,269	28.00%
Low Income:													
5/8, Low Income	285,859	\$17.00	\$4,859,606	285,859	\$17.50	\$154,078	\$5,156,614	285,859	17.50	\$5,156,614	\$20.00	\$5,717,184	11.00%
All Usage - Low Income	6,999,562	1.2991	9,093,131	6,647,305	1.3100	268,205	8,976,174	6,480,077	1.3100	8,757,106	1.7276	11,194,981	28.00%
Low Income Discount			(5,039,979)			(157,787)	(5,280,739)			(5,258,833)			
Low Income Discount Tier 1												(\$7,441,352)	
Low Income Discount Tier 2												(2,896,548)	
Low Income Discount Tier 3												(706,901)	
Adjustment (1):													
5/8 - Meter	11,893	\$17.00	\$202,181	20,062	\$17.50	\$10,813	\$361,898	40,123	\$17.50	\$712,966	\$20.00	\$802 <i>,</i> 460	13.00%
All Usage	416,220	1.2991	540,711	702,101	1.3100	28,328	948,081	1,404,202	1.3100	1,867,833	1.7276	2,425,900	30.00%
Adjustment (2):													
All Usage	(11,389,663)	\$1.2991	(\$14,796,311)	(5,407,032)	\$1.3100	(\$218,163)	(\$7,301,374)	(4,172,983)	\$1.3100	(\$5,684,770)	\$1.7276	(\$7,209,245)	27.00%
All Usage - Low Income	(352,258)	1.1692	(411,856)	(167,228)	1.1790	(6,073)	(203,234)	(129,061)	1.1790	(158,236)			
All Usage Low Income Tier 1	L											(\$24,526)	
All Usage Low Income Tier 2												(34,671)	
All Usage Low Income Tier 3	3											(23,244)	
Adjustment (2)													
Adjustment (3):	0	617.00	60	300	617 50	<u>é </u>	65 350	E4C	647 50	ćo 000	620.00	640.000	14 000/
5/8 - Meter All Usage	0	\$17.00 1.2991	\$0 0	9,840	\$17.50 1.3100	\$0 0	\$5,250 12,890	516 16,476	\$17.50 1.3100	\$9,030 21,584	\$20.00 1.7276	\$10,320 28,464	14.00% 32.00%
All Usage	0	1.2991	U	9,840	1.5100	0	12,890	10,470	1.5100	21,584	1.7270	28,404	32.00%
RZ 1 Residential Usage	248,781,773			243,919,454				241,038,089					
The I hesidential Usage	270,701,773			273,313,434				271,030,009					
RZ 1 Residential Revenues			\$444,814,890		-	\$13,709,410	\$458,838,278			\$455,791,778		\$555,695,992	22.00%
			÷,•14,050		=	+==;: 03,410	÷			÷,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<i>+,033,332</i>	
L				L				L			L		

Note (1) Adjustment to account for the growth (loss) in customers.

Note (2) Adjustment to account for normalization in usage trend including the impact of declining usage.

Note (3) Adjustment to add revenues from Creekside Homeowner's Association

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 2 - Winola	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
<u>Customer Charge</u> Unmetered Service (*) (5/8 - Meters)	201	33.23	\$6,671	201	33.23	\$205	\$6,876	201	33.23	\$6,876	20.00	\$4,015	-42.00%
All Usage					0.00			645.00	0.00	\$0	\$1.7276	1,114	0.00%
RZ 2 Residential Revenues		-	\$6,671		=	\$205	\$6,876			\$6,876		\$5,129	-25.00%

Note (*) All residential have 5/8" meter.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 3 McEwensville	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	1,527	\$17.00	\$25,966	1,527	\$17.50	\$823	\$27,553	1,527	\$17.50	\$27,553	\$20.00	\$30,549	11.00%
3/4 - Meter	0	17.00	0	0	17.50	0	0	0	17.50	0	20.00	0	0.00%
1 - Meter	0	17.00	0	0	17.50	0	0	0	17.50	0	20.00	0	0.00%
1 1/2 - Meter	0	17.00	0	0	115.20	0	0	0	115.20	0	131.70	0	0.00%
2 - Meter	0	111.90	0	0	214.90	0	0	0	214.90	0	245.60	0	0.00%
3 - Meter	0	208.70	0	0	269.70	0	0	0	269.70	0	308.20	0	0.00%
4 - Meter	0	262.00	0	0	403.70	0	0	0	403.70	0	461.40	0	0.00%
Subtotal	1,527	-	\$25,966	1,527	_	\$823	\$27,553	1,527		\$27,553		\$30,549	11.00%
Usage (in 100 Gallons) All Usage	45,401	\$0.7000	\$31,780	45,401	\$0.8983	\$1,256	\$42,039	45,401	\$0.8983	\$42,039	\$1.7276	\$78,434	87.00%
Low Income: 5/8 - Meter All Usage Low Income Discount	1 206	\$17.00 0.7000	17 145 (29)	1 206	\$17.50 0.8983	\$1 6	\$18 191 (34)	1 206	17.50 0.8983	\$18 191 (34)	\$20.00 1.7276	20 357	11.00% 87.00%
Low Income Discount Tier 1 Low Income Discount Tier 2 Low Income Discount Tier 3			(29)			(1)	(54)			(34)		(\$97)	
RZ 3 Residential Usage	45,607	-	457.075	45,607	-	<u> </u>	<u> </u>	45,607					
RZ 3 Residential Revenues		=	\$57,879		=	\$2,085	\$69,768		:	\$69,768		\$109,262	57.00%

Γ			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 4 Turbotville	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge		417.00	450.000		447.50	Å 4, 600	456.070		447.50	45.0.000	400.00	4co oo7	
5/8 - Meter	3,120	\$17.00	\$53,038	3,120	\$17.50	\$1,682	\$56,279	3,120	\$17.50	\$56,279	\$20.00	\$62,397	11.00%
3/4 - Meter	0	17.00	0	0	17.50	0	0	0	17.50	0	20.00	0	0.00%
1 - Meter	12	17.00	196	12	17.50	6	208	12	17.50	208	20.00	231	11.00%
1 1/2 - Meter	0	17.00	0	0	17.50	0	0	0	17.50	0	20.00	0	0.00%
2 - Meter	0	111.90	0	0	115.20	0	0	0	115.20	0	131.70	0	0.00%
3 - Meter	0	208.70	0	0	214.90	0	0	0	214.90	0	245.60	0	0.00%
4 - Meter	0	262.00	0	0	269.70	0	0	0	269.70	0	308.20	0	0.00%
Subtotal	3,131		\$53,234	3,131		\$1,688	\$56,487	3,131		\$56,487		\$62,628	11.00%
Usage (in 100 Gallons) All Usage	91,248	\$1.1600	\$105,848	91,248	\$1.3100	\$3,682	\$123,216	91,248	\$1.3100	\$123,216	\$1.7276	\$157,640	28.00%
Low Income:													
5/8 - Meter	36	\$17.00	604	36	\$17.50	\$19	\$640	36	\$17.50	\$640	\$20.00	710	11.00%
All Usage - Low Income	3,737	1.1600	4,335	3,737	1.3100	151	5,046	3,737	1.3100	5,046	1.7276	6,456	28.00%
Low Income Discount			(946)			(31)	(1,049)			(1,049)			
Low Income Discount Tier 1													
Low Income Discount Tier 2													
Low Income Discount Tier 3												(\$1,898)	
RZ 4 Residential Usage	94,985			94,985				94,985					
RZ 4 Residential Revenues		-	\$163,073		-	\$5,508	\$184,342			\$184,342		\$225,536	22.00%
		=	<i>,,</i>		=	\$0,000	<i>,,.</i>			÷10.10.1		+==0,000	

]			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 5 Steelton	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	
Customer Charge													
5/8 - Meter	25,605	\$19.51	\$499,549	25,605	\$20.69	\$16,317	\$546,079	25,605	\$20.69	\$546,079	\$20.00	\$512,095	-6.00%
3/4 - Meter	3	19.51	61	3	20.69	2	67	3	20.69	67	20.00	¢512,055 62	-6.00%
1 - Meter	60	19.51	1,166	60	20.69	38	1,275	60	20.69	1,275	20.00	1,195	-6.00%
1 1/2 - Meter	0	19.51	0	0	20.69	0	0	0	20.69	0	20.00	0	0.00%
2 - Meter	9	111.14	1,000	9	117.88	33	1,094	9	117.88	1,094	131.70	1,185	8.00%
3 - Meter	0	252.20	0	0	267.48	0	1,054	0	267.48	1,054	245.60	0	0.00%
4 - Meter	0	329.37	0	0	349.33	0	0	0	349.33	0	308.20	0	0.00%
Subtotal	25,677	-	\$501,776	25,677		\$16,389	\$548,514	25,677	0.0100	\$548,514	000.20	\$514,538	-6.00%
			<i>,</i>			+)	<i>+</i>			<i>te : 0,0</i> - 1		+)	
Usage (in 100 Gallons)													
First 1,700 Gal	358,417	\$0.0000	\$0	358,417	\$0.0000	\$0	\$0	358,417	\$0.0000	\$0	\$1.7276	\$619,201	0.00%
Next 18,300 Gal	500,042	1.0903	545,196	500,042	1.1564	17,810	596,059	500,042	1.1564	596,059	1.7276	863,873	45.00%
Next 30,000 Gal	30,877	1.2038	37,170	30,877	1.2768	1,214	40,638	30,877	1.2768	40,638	1.2719	39,272	-3.00%
All Over 50,000 Gal	13,837	1.0402	14,393	13,837	1.1032	470	15,735	13,837	1.1032	15,735	1.2719	17,599	12.00%
Subtotal	903,173	-	\$596,759	903,173	-	\$19,494	\$652,432	903,173		\$652,432		\$1,539,946	136.00%
Low Income:													
5/8 - Meter	334	\$19.51	6,513	334	\$20.69	\$213	\$7,120	334	20.69	\$7,120	\$20.00	6,677	-6.00%
Low Income Discount			(5,536)			(181)	(6,052)			(6,052)			
Low Income Discount Tier 1													
Low Income Discount Tier 2	1												
Low Income Discount Tier 3												(2,671)	
RZ 5 Residential Usage	903,173			903,173				903,173					
NZ 3 NESILEITUAI OSABE	503,173			505,175				503,173					
RZ 5 Residential Revenues		-	\$1,099,512		-	\$35,916	\$1,202,014			\$1,202,014		\$2,058,491	71.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 6 Valley	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
Service Charge	1,384	\$28.12	\$38,925	19,668	\$28.12		\$553,064	19,668	\$28.12	\$553,064			
Usage (in 100 Gallons)													
First 3,400 Gal	34,779	\$0.0000	\$0	458,854	\$0.0000		\$0	458,854	\$0.0000	\$0	\$1.5200	\$697,459	0.00%
All Over 3,400 Gal	9,239	0.8400	7,761	119,188	0.8400		100,118	119,188	0.8400	100,118	1.5200	181,166	81.00%
Subtotal	44,018		\$7,761	578,043			\$100,118	578,043		\$100,118		\$878,625	
Adjustment (1):													
Service Charge	18,284	\$28.12	\$514,139										
First 1,700 Gal	424,075	\$0.0000	\$0										
All Over 50,000 Gal	109,949	0.8400	92,357										
	534,025		\$606,497										
Adjustment (2):													
Service Charge								(19,668)					
5/8 - Meter								19,488			\$20.00	389,760	0.00%
3/4 - Meter								0			\$20.00	0	0.00%
1 - Meter								180			\$20.00	3,600	0.00%
												393,360	
RZ 6 Residential Usage	578,043			578,043				578,043					
RZ 6 Residential Revenues		-	\$653,182		-	\$0	\$653,182			\$653,182		\$1,271,985	95.00%

Note (1) Adjustment to annualize Valley Township Water acquired in November 2021. Note (2) The Company is proposing to convert Service Charge to Meter size charges.

Commercial Class	2021 Usage (in 100 Gallons)	2021 Number of Bills	2021 Annualized Revenues	2022 Usage (in 100 Gallons)	2022 Number of Bills	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Usage (in 100 Gallons)	2023 Number of Bills	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most Areas	130,013,775	552,358	\$169,772,298	127,955,428	553,254	\$5,237,007	\$175,269,691	127,275,680	555,047	\$174,627,244	\$217,318,550	24.00%
Zone 2 - Winola		0	0		0	0	0	0	0	0	0	0.00%
Zone 3 - McEwensville	8,677	108	8,221	8,677	108	308	10,312	8,677	108	10,312	17,515	70.00%
Zone 4 - Turbotville	48,851	582	57,538	48,851	582	1,952	65,335	48,851	582	65,335	80,907	24.00%
Zone 5 - Steelton	235,572	1,872	331,718	235,572	1,872	10,836	362,653	235,572	1,872	362,653	445,669	23.00%
Zone 6 - Valley	14,523	7	15,118	14,523	156	0	15,118	14,523	156	15,118	28,755	90.00%
Zone 7 - SLIBCO	22,651	8	61,146	22,651	96	0	61,146	22,651	96	61,146	75,840	24.00%
Total Commercial	130,344,049	554,935	\$170,246,039	128,285,702	556,068	\$5,250,103	\$175,784,255	127,605,954	557,861	\$175,141,809	\$217,967,237	24.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 1 Most Areas	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	
										_			
Customer Charge													
5/8 - Meter	345,035	\$17.00	\$5,865,599	344,305	\$17.50	\$185,581	\$6,210,922	345,201	\$17.50	\$6,226,602	\$20.00	\$6,904,025	11.00%
3/4 - Meter	21,190	25.80	546,707	21,190	26.50	17,295	578,836	21,190	26.50	578,836	30.30	642,063	11.00%
1 - Meter	81,890	42.90	3,513,093	81,890	44.10	111,230	3,722,591	81,890	44.10	3,722,591	50.40	4,127,270	11.00%
1 1/2 - Meter	15,695	70.00	1,098,679	15,695	72.00	34,806	1,164,876	15,695	72.00	1,164,876	82.30	1,291,732	11.00%
2 - Meter	44,716	111.90	5,003,766	44,716	115.20	158,661	5,309,991	44,716	115.20	5,309,991	131.70	5,889,151	11.00%
3 - Meter	1,361	208.70	283,974	1,361	214.90	9,006	301,416	1,361	214.90	301,416	245.60	334,183	11.00%
4 - Meter	18,894	262.00	4,950,220	18,894	269.70	156,948	5,252,651	18,894	269.70	5,252,651	308.20	5,823,122	11.00%
6 - Meter	17,349	392.10	6,802,712	17,349	403.70	215,722	7,219,687	17,349	403.70	7,219,687	461.40	8,005,027	11.00%
8 - Meter	6,194	759.20	4,702,568	6,194	781.60	149,113	4,990,429	6,194	781.60	4,990,429	893.30	5,533,198	11.00%
10 - Meter	763	1,099.50	838,567	763	1,131.90	26,589	889,866	763	1,131.90	889,866	1,293.60	986,603	11.00%
Subtotal	553,088		\$33,605,885	552,358	-	\$1,064,951	\$35,641,267	553,254		\$35,656,947		\$39,536,375	11.00%
Usage (in 100 Gallons)													
First 16,000 Gal	33,168,089	\$1.2991	\$43,088,664	35,112,173	\$1.3100	\$1,416,706	\$47,413,653	34,866,267	\$1.3100	\$47,091,360	\$1.7276	\$60,234,963	28.00%
All Over 16,000	89,461,068	0.9543	85,372,697	94,901,602	0.9643	2,818,619	94,332,234	93,089,161	0.9643	92,557,237	1.2719	118,400,104	28.00%
Subtotal	122,629,156		\$128,461,361	130,013,775		\$4,235,325	\$141,745,887	127,955,428		\$139,648,596		\$178,635,067	28.00%
Adjustment (1):													
5/8 - Meter	(730)	\$17.00	(\$12,410)	896	\$17.50	\$483	\$16,163	1,793	\$17.50	\$31,860	\$20.00	\$35,860	13.00%
Usage (in 100 Gallons)													
First 16,000 Gal	(97,354)	\$1.2991	(\$126,472)	119,520	\$1.3100	\$4,822	\$161,394	239,040	\$1.3100	\$317,965	\$1.7276	\$412,966	30.00%
All Over 16,000	(65,639)	0.9543	(62,639)	80,584	0.9643	2,393	80,101	161,169	0.9643	157,808	1.2719	204,990	30.00%
Subtotal	(162,993)		(\$189,112)	200,104		\$7,216	\$241,494	400,209		\$475,773		\$617,956	30.00%
Adjustment (2):													
First 16,000 Gal	2,041,438	\$1.2991	\$2,652,033	(361,555)	\$1.3100	(\$14,588)	(\$488,225)	(292,101)	\$1.3100	(\$397,240)	\$1.7276	(\$504,634)	27.00%
All Over 16,000	5,506,174	0.9543	5,254,541	(975,187)	0.9643	(28,963)	(969,336)	(787,856)	0.9643	(788,693)	1.2719	(1,002,073)	27.00%
Subtotal	7,547,612		\$7,906,574	(1,336,742)		(\$43 <i>,</i> 552)	(\$1,457,561)	(1,079,956)		(\$1,185,933)		(\$1,506,707)	27.00%
Adjustment (3):													
First 16,000 Gal				(3,871)	\$1.3100	(\$156)	(\$5,227)						
All Over 16,000				(917,838)	0.9643	(27,260)	(912,332)						
Subtotal				(921,710)		(\$27,416)	(\$917,559)						
RZ 1 Commercial Usage	130,013,775			127,955,428				127,275,680					
			4460		-	4- aa- ac- 1	A					4010 010	
RZ 1 Commercial Revenues		:	\$169,772,298		=	\$5,237,007	\$175,269,691			\$174,627,244		\$217,318,550	24.00%

Note (1) Adjustment to account for the growth (loss) in customers.

Note (2) Adjustment to account for normalization in usage trend including the impact of declining usage.

Note (3) Adjustment to account for the change in usage of shale gas commercial customers

Rate Zone 2 - Winola	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma DSIC Revenues	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenues @ Present Rate	Proposed Rate	Proforma 2023 Revenues @ Proposed Rate	
		Nate	Nevenue	Determinants	Nate	Nevenues	Nevenue	Determinants	Nate	@ Fresent Nate	Nate	@ FTOposed Nate	change
<u>Customer Charge</u> Unmetered Service (5/8 - Meters) *		33.23	\$0		33.23	\$0	\$0		33.23	\$0	\$20.00	\$0	0.00%
All Usage								0	0.00		\$1.7276	0	0.00%
RZ 2 Commercial Revenues		-	\$0			-	\$0			\$0		\$0	0.00%

* Unmetered Service conversion to Metered charges.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 3 McEwensville	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	96	\$17.00	\$1,632	96	\$17.50	\$52	\$1,732	96	\$17.50	\$1,732	\$20.00	\$1,920	11.00%
3/4 - Meter	0	25.80	0	0	26.50	0	0	0	26.50	0	30.30	0	0.00%
1 - Meter	12	42.90	515	12	44.10	16	546	12	44.10	546	50.40	605	11.00%
1 1/2 - Meter	0	70.00	0	0	72.00	0	0	0	72.00	0	82.30	0	0.00%
2 - Meter	0	111.90	0	0	115.20	0	0	0	115.20	0	131.70	0	0.00%
3 - Meter	0	208.70	0	0	214.90	0	0	0	214.90	0	245.60	0	0.00%
4 - Meter	0	262.00	0	0	269.70	0	0	0	269.70	0	308.20	0	0.00%
Subtotal	108		\$2,147	108		\$68	\$2,277	108		\$2,277		\$2,525	11.00%
Usage (in 100 Gallons)*													
First 16,000 Gal	8,677	\$0.7000	\$6,074	8,677	\$0.8983	\$240	\$8,035	8,677	\$0.8983	\$8,035	\$1.7276	\$14,990	87.00%
All Over 16,000 Gal	0	\$0.7000 _	\$0	0	\$0.8983		\$0	0	\$0.8983	\$0	\$1.2719	\$0	0.00%
Subtotal	8,677		\$6,074	8,677		\$240	\$8,035	8,677		\$8,035		\$14,990	87.00%
RZ 3 Commercial Usage	8,677			8,677				8,677					
		-			-								
RZ 3 Commercial Revenues		=	\$8,221		=	\$308	\$10,312			\$10,312		\$17,515	70.00%
* • 11													

* All usage rate conversion to two blocks.

			Annualized	[Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 4 Turbotville	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	486	\$17.00	\$8,269	486	\$17.50	\$262	\$8,775	486	\$17.50	\$8,775	\$20.00	\$9,729	11.00%
3/4 - Meter	0	25.80	0	0	26.50	0	0	0	26.50	0	30.30	0	0.00%
1 - Meter	48	42.90	2,064	48	44.10	65	2,187	48	44.10	2,187	50.40	2,425	11.00%
1 1/2 - Meter	24	70.00	1,684	24	72.00	53	1,786	24	72.00	1,786	82.30	1,980	11.00%
2 - Meter	0	111.90	0	0	115.20	0	0	0	115.20	0	131.70	0	0.00%
3 - Meter	12	208.70	2,406	12	214.90	76	2,554	12	214.90	2,554	245.60	2,832	11.00%
4 - Meter	0	262.00	0	0	269.70	0	0	0	269.70	0	308.20	0	0.00%
6 - Meter	12	392.10	4,521	12	403.70	143	4,798	12	403.70	4,798	461.40	5,320	11.00%
Subtotal	582		\$18,945	582		\$601	\$20,100	582		\$20,100		\$22,286	11.00%
Usage (in 100 Gallons)													
All Usage	48,851	\$0.7900	\$38,593	48,851	\$0.8983	\$1,352	\$45,235	48,851	\$0.8983	\$45,235	\$1.2000	\$58,622	30.00%
Subtotal	48,851	-	\$38,593	48,851	-	\$1,352	\$45,235	48,851		\$45,235		\$58,622	30.00%
RZ 4 Commercial Usage	48,851			48,851				48,851					
		-			-								
RZ 4 Commercial Revenues		_	\$57,538		_	\$1,952	\$65,335			\$65,335		\$80,907	24.00%
		-			-								

]			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 5 Steelton	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	1,197	\$19.51	\$23,348	1,197	\$20.69	\$763	\$25,523	1,197	\$20.69	\$25,523	\$20.00	\$23,934	-6.00%
3/4 - Meter	0	20.69	0	0	20.69	0	0	0	20.69	0	30.30	0	0.00%
1 - Meter	408	42.73	17,432	408	45.32	569	19,058	408	45.32	19,058	50.40	20,561	8.00%
1 1/2 - Meter	109	76.94	8,351	109	81.61	273	9,131	109	81.61	9,131	82.30	8,933	-2.00%
2 - Meter	37	111.14	4,081	37	117.88	133	4,462	37	117.88	4,462	131.70	4,836	8.00%
3 - Meter	59	252.20	14,880	59	267.48	486	16,267	59	267.48	16,267	245.60	14,490	-11.00%
4 - Meter	39	329.37	12,845	39	349.33	420	14,043	39	349.33	14,043	308.20	12,020	-14.00%
6 - Meter	0	526.98	0	0	558.92	0	0	0	558.92	0	461.40	0	0.00%
8 - Meter	24	765.56	18,373	24	811.96	600	20,087	24	811.96	20,087	893.30	21,439	7.00%
Subtotal	1,872	-	\$99,311	1,872	-	\$3,244	\$108,571	1,872		\$108,571		\$106,213	-2.00%
Usage (in 100 Gallons)													
First 1,700 Gal	19,750	\$0.0000	\$0	19,750	\$0.0000	\$0	\$0	19,750	\$0.0000	\$0	\$1.7276	\$34,120	0.00%
Next 18,300 Gal	67,656	1.0903	73,765	67,656	1.1564	2,410	80,647	67,656	1.1564	80,647	1.7276	116,883	45.00%
Next 30,000 Gal	27,627	1.2038	33,257	27,627	1.2768	1,086	36,361	27,627	1.2768	36,361	1.2719	35,139	-3.00%
All Over 50,000 Gal	120,539	1.0402	125,385	120,539	1.1032	4,096	137,074	120,539	1.1032	137,074	1.2719	153,314	12.00%
Subtotal	235,572	_	\$232,408	235,572	_	\$7,592	\$254,082	235,572		\$254,082		\$339,455	34.00%
RZ 5 Commercial Usage	235,572			235,572				235,572					
		_			_								
RZ 5 Commercial Revenues			\$331,718		_	\$10,836	\$362,653			\$362,653		\$445,669	23.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 6 Valley	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	
	Determinants	nate	nevenue	Determinants	nate	nevenues	Revenue	Determinants	nate	e rresent nate	nate	erroposed nate	change
Customer Charge													
Service Charge	7	\$28.12	\$209	156	\$28.12		\$4,387	156	\$28.12	\$4,387			
Ū.							. ,						
Usage (in 100 Gallons)													
First 3,400 Gal	106	\$0.0000	\$0	1,747	\$0.0000		\$0	1,747	\$0.0000	\$0	\$1.5200	\$2,656	0.00%
All Over 3,400 Gal	124	0.8400	104	12,776	0.8400		10,732	12,776	0.8400	10,732	1.5200	19,419	81.00%
Subtotal	230	-	\$104	14,523			\$10,732	14,523		\$10,732		\$22,075	.
Adjustment (1):													
Service Charge	149	\$28.12	\$4,178										
First 1,700 Gal	1,641	\$0.0000	\$0										
All Over 50,000 Gal	12,652	0.8400 _	10,627										
	14,293		\$10,627										
Adjustment (2):													
Service Charge								(156)					
5/8 - Meter								144			\$20.00	2,880	0.00%
3/4 - Meter								111			30.30	2,000	0.00%
1 - Meter											50.40	0	0.00%
1 1/2 - Meter								12			82.30	988	0.00%
2 - Meter								12			131.70	1,580	0.00%
3 - Meter											245.60	0	0.00%
4 - Meter								4			308.20	1,233	0.00%
												6,681	.
RZ 6 Commercial Usage	14,523			14,523				14,523					
		-			-								,
RZ 6 Commercial Revenues		=	\$15,118		=	\$0	\$15,118			\$15,118		\$28,755	90.00%

Note (1) Adjustment to annualize Valley Township Water acquired in November 2021. Note (2) The Company is proposing to convert Service Charge to Meter size charges.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Dorsont
Rate Zone 7 SLIBCO	-		Revenue	•	Rate			-	Rate	@ Present Rate	Rate		
	Determinants	Rate	Revenue	Determinants	Rale	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rale	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	1	\$63.55	\$64	12	\$63.55		\$763	12	\$63.55	\$763	\$20.00	\$240	-69.00%
2 - Meter	0	63.55	\$0	0	63.55		\$0	0	63.55	0	131.70	\$0	0.00%
4 - Meter	1	136.30	136	12	136.30		1,636	12	136.30	1,636	308.20	3,698	126.00%
6 - Meter	2	136.30	273	24	136.30		3,271	24	136.30	3,271	423.10	10,154	210.00%
8 - Meter	4	309.30	1,237	48	309.30		14,846	48	309.30	14,846	569.38	27,330	84.00%
	8	-	\$1,710	96			\$20,516	96		\$20,516		\$41,423	102.00%
Usage (in 100 Gallons)													
First 20,000 Gal	1,050	\$1.8940	\$1,989	12,306	\$1.8940		\$23,308	12,306	\$1.8940	\$23,308	\$1.7276	\$21,260	-9.00%
Next 80,000 Gal	657	1.6780	1,102	10,224	1.6780		17,157	10,224	1.6780	17,157	1.2719	13,005	
All Over 100,000 Gal	0	1.3810	0	120	1.3810		166	120	1.3810	166	1.2719	153	-8.00%
Subtotal	1,707		\$3,091	22,651			\$40,630	22,651		\$40,630		\$34,417	-15.00%
Adjustment (1):													
Customer Charge													
5/8 - Meter	11	\$63.55	\$699										
2 - Meter	0	63.55	\$0										
4 - Meter	11	136.30	1,499										
6 - Meter	22	136.30	2,999										
8 - Meter	44	309.30	13,609										
	88		\$18,806										
Usage (in 100 Gallons)	14.256	¢4.0040	624.240										
First 20,000 Gal	11,256	\$1.8940	\$21,319										
Next 80,000 Gal	9,567	1.6780	16,054										
All Over 100,000 Gal	<u> </u>	1.3810 _	166 \$37,539										
	20,944		\$37,539										
RZ 7 Commercial Usage	22,651			22,651				22,651					
	22,001			22,001				22,001					
RZ 7 Commercial Revenues		-	\$61,146		-	\$0	\$61,146			\$61,146		\$75,840	24.00%
AL / Commercial Nevenues		=			=	ŞU.						÷, 5,840	27.00/0

Note (1) Adjustment to annualize SLIBCO acquired in November 2021.

Industrial Class	2021 Usage (in 100 Gallons)	2021 Number of Bills	2021 Annualized Revenues	2022 Usage (in 100 Gallons)	2022 Number of Bills	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Usage (in 100 Gallons)	2023 Number of Bills	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most Areas	31,926,130	6,553	\$28,005,692	31,926,130	6,553	\$871,787	\$29,176,556	31,926,130	6,553	\$29,176,556	\$35,719,081	22.00%
Demand Based (DIS)	7,832,501		3,653,642	7,832,501		0	3,791,657	7,832,501		3,891,115	3,891,115	0.00%
												0.00%
Zone 5 - Steelton	1,160,653	135	1,255,350	1,160,653	135	41,007	1,372,393	1,160,653	135	1,372,393	1,528,764	11.00%
Zone 6 - Valley	1,296	1	1,083	1,296	12	0	1,083	1,296	12	1,083	2,210	104.00%
												0.00%
Total Industrial	40,920,580	6,689	\$32,915,768	40,920,580	6,700	\$912,794	\$34,341,689	40,920,580	6,700	\$34,441,147	\$41,141,170	19.00%

			Annualized			Proforma	Proforma				Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	202	3 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 1 Most Areas	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Dete	rminants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
											-			
Customer Charge														
5/8 - Meter	599	\$25.40	\$15,210	599	\$25.40	\$468	\$15,678		599	\$25.40	\$15,678	\$29.00	\$17,365	11.00%
3/4 - Meter	88	38.10	3,336	88	38.10	103	3,439		88	38.10	3,439	44.00	3,853	12.00%
1 - Meter	1,056	63.60	67,192	1,056	63.60	2,070	69,262		1,056	63.60	69,262	73.00	77,123	11.00%
1 1/2 - Meter	501	127.10	63,676	501	127.10	1,961	65,637		501	127.10	65,637	145.00	72,644	11.00%
2 - Meter	1,942	203.40	395,102	1,942	203.40	12,169	407,272		1,942	203.40	407,272	232.00	450,658	11.00%
3 - Meter	143	381.40	54,548	143	381.40	1,680	56,228		143	381.40	56,228	435.00	62,214	11.00%
4 - Meter	756	635.60	480,399	756	635.60	14,796	495,195		756	635.60	495,195	726.00	548,725	11.00%
6 - Meter	844	1,271.20	1,072,397	844	1,271.20	33,030	1,105,427		844	1,271.20	1,105,427	1,451.00	1,224,078	11.00%
8 - Meter	480	2,034.30	977,379	480	2,034.30	30,103	1,007,483		480	2,034.30	1,007,483	2,323.00	1,116,085	11.00%
10 - Meter	132	2,923.40	386,415	132	2,923.40	11,902	398,317		132	2,923.40	398,317	3,338.00	441,217	11.00%
Subtotal	6,541	_	\$3,515,655	6,541	-	\$108,282	\$3,623,937		6,541		\$3,623,937		\$4,013,962	11.00%
Usage (in 100 Gallons)														
First 16,000 Gal	729,278	\$1.2129	\$884,542	729,278	\$1.2277	\$27,576	\$922,911		729,278	\$1.2277	\$922,911	\$1.5700	\$1,144,967	24.00%
Next 584,000 Gal	8,897,476	0.9229	8,211,481	8,897,476	0.9341	255,983	8,567,115	8	3,897,476	0.9341	8,567,115	1.1800	10,499,022	23.00%
All over 600,000	17,640,766	0.7259	12,805,432	17,640,766	0.7348	399,243	13,361,678		7,640,766	0.7348	13,361,678	0.9500	16,758,728	25.00%
Subtotal	27,267,520		\$21,901,454	27,267,520		\$682 <i>,</i> 802	\$22,851,704	27	7,267,520		\$22,851,704		\$28,402,716	24.00%
	Ι.													
Usage Curtailment (in 100 Gall					4	4					4	4		
First 16,000 Gal	1,920	\$1.2129	\$2,329	1,920	\$1.2277	\$73	\$2,430		1,920	\$1.2277	\$2,430	\$1.5700	\$3,014	24.00%
Next 584,000 Gal	70,080	0.9229	64,677	70,080	0.9341	2,016	67,478		70,080	0.9341	67,478	1.1800	82,694	23.00%
Next 14,400,000 Gal	1,728,000	0.7259	1,254,355	1,728,000	0.7348	39,108	1,308,842		1,728,000	0.7348	1,308,842	0.9500	1,641,600	25.00%
All Over 15,000,000	2,858,610	0.4433	1,267,222	2,858,610	0.4487	39,506	1,322,164		2,858,610	0.4487	1,322,164	0.5510	1,575,094	19.00%
Subtotal	4,658,610		\$2,588,583	4,658,610		\$80,703	\$2,700,914	4	4,658,610		\$2,700,914		\$3,302,403	22.00%
Domand Dasad Industrial Convi														
Demand Based Industrial Servi	ce (DIS)													
DIS-1 Demand														
DIS-1 Commodity														
						adapted Defe	r to Confidentia	Volume	C.A					
DIS -2 Commodity					R	edacted - Kere	r to Confidentia	volume	60					
DIS -2 Commonly														
DIS -3 Commodity														
Dis sconinouity														
RZ 1 Industrial Usage	39,758,631			39,758,631				30	9,758,631					
	55,755,551			00,00,001					.,. 50,001					
RZ 1 Industrial Revenues		-	\$31,659,334		-	\$871,787	\$32,968,213			-	\$33,067,671		\$39,610,196	20.00%
		=			=					-		1	. , , .	

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 5 Steelton	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	12	\$19.51	\$234	12	\$20.69	\$8	\$256	12	\$20.69	\$256	\$20.00	\$240	-6.00%
3/4 - Meter	0	20.69	Ç234	0	20.69	0Ç 0	Ç230	0	20.69	0	30.30	÷2+0	0.00%
1 - Meter	0	42.73	0	0	45.32	0	0	0	45.32	0	50.40	0	0.00%
1 1/2 - Meter	0	76.94	0	0	81.61	0	0	0	81.61	0	82.30	0	0.00%
2 - Meter	36	111.14	4,001	36	117.88	131	4,374	36	117.88	4,374	131.70	4,741	8.00%
3 - Meter	0	252.20	0	0	267.48	0	0	0	267.48	0	245.60	0	0.00%
4 - Meter	39	329.37	12,845	39	349.33	420	14,043	39	349.33	14,043	308.20	12,020	-14.00%
6 - Meter	36	526.98	18,971	36	558.92	620	20,741	36	558.92	20,741	461.40	16,610	-20.00%
8 - Meter	12	765.56	9,187	12	811.96	300	10,044	12	811.96	10,044	893.30	10,720	7.00%
Subtotal	135		\$45,239	135		\$1,478	\$49,458	135		\$49,458		\$44,331	-10.00%
			. ,			.,	. ,			. ,		. ,	
Usage (in 100 Gallons)													
First 1,700 Gal	2,003	\$0.0000	\$0	2,003	\$0.0000	\$0	\$0	2,003	\$0.0000	\$0	\$1.7276	\$3,460	0.00%
Next 18,300 Gal	15,988	1.0903	17,432	15,988	1.1564	569	19,058	15,988	1.1564	19,058	1.7276	27,621	45.00%
Next 30,000 Gal	24,957	1.2038	30,043	24,957	1.2768	981	32,847	24,957	1.2768	32,847	1.2719	31,743	-3.00%
All Over 50,000 Gal	1,117,705	1.0402	1,162,637	1,117,705	1.1032	37,978	1,271,030	1,117,705	1.1032	1,271,030	1.2719	1,421,609	12.00%
Subtotal	1,160,653		\$1,210,112	1,160,653		\$39,529	\$1,322,935	1,160,653		\$1,322,935		\$1,484,433	12.00%
RZ 5 Industrial Usage	1,160,653			1,160,653				1,160,653					
	1,100,000			1,100,000				1,100,000					
RZ 5 Industrial Revenues		-	\$1,255,350		-	\$41,007	\$1,372,393			\$1,372,393		\$1,528,764	11.00%
		=			-								•

			Annualized			Proforma	Proforma]			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022		2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 6 Valley	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue		Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge														
Service Charge	1	\$28.12	\$23	12	\$28.12		\$337		12	\$28.12	\$337			
Usage (in 100 Gallons)														
First 3,400 Gal	28	\$0.0000	\$0	408	\$0.0000		\$0		408	\$0.0000	\$0	\$1.5200	\$620	0.00%
All Over 3,400 Gal	72	0.8400	60	888	0.8400		746		888	0.8400	746	1.5200	1,350	81.00%
Subtotal	100		\$60	1,296			\$746		1,296		\$746		\$1,970	
Adjustment (1):														
Service Charge	11	\$28.12	\$314											
Usage (in 100 Gallons)														
First 1,700 Gal	380	\$0.0000	\$0											
All Over 50,000 Gal	816	0.8400	685											
	1,196		\$685											
Adjustment (2):									(12)					
Service Charge									(12)			\$ 20.00	\$240	0.00%
5/8 - Meter									12			\$ 20.00	\$240	0.00%
RZ 6 Industrial Usage	1,296			1,296					1,296					
RZ 6 Industrial Revenues		-	\$1,083			-	\$1,083				\$1,083		\$2,210	104.00%

Note (1) Adjustment to annualize Valley Township Water acquired in November 2021. Note (2) The Company is proposing to convert Service Charge to Meter size charges.

Municipal Class	2021 Usage (in 100 Gallons)	2021 Number of Bills	2021 Annualized Revenues	2022 Usage (in 100 Gallons)	2022 Number of Bills	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Usage (in 100 Gallons)	2023 Number of Bills	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most Areas	18,578,161	299,434	\$20,693,861	18,428,284	12,759	\$636,020	\$21,286,028	18,289,271	13,953	\$21,155,791	\$22,603,487	7.00%
Zone 2 - Winola		0	0		0	0	0		0	0	0	0.00%
Zone 3 - McEwensville	15	12	215	15	12	7	230	15	12	230	266	15.00%
Zone 4 - Turbotville	30	12	226	30	12	8	261	30	12	261	287	10.00%
Zone 5 - Steelton	2,445	132	8,594	2,445	132	280	9,383	2,445	132	9,383	11,832	26.00%
Zone 6 - Valley	17,016	1	13,401	17,016	48	0	14,731	17,016	48	14,731	62,883	327.00%
Zone 7 - SLIBCO	0	0	0	0	0	0	0	0	0	0	0	0.00%
Total Municipal	18,597,667	299,590	\$20,716,296	18,447,790	12,963	\$636,315	\$21,310,633	18,308,777	14,157	\$21,180,396	\$22,678,754	7.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 1	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	9,769	\$17.00	\$166,080	9,769	\$17.50	\$5,266	\$176,231	9,769	\$17.50	\$176,231	\$20.00	\$195,389	11.00%
3/4 - Meter	738	25.80	19,031	738	26.50	602	20,150	738	26.50	20,150	30.30	22,350	11.00%
1 - Meter	5,551	42.90	238,122	5,551	44.10	7,539	252,323	5,551	44.10	252,323	50.40	279,752	11.00%
1 1/2 - Meter	986	70.00	68,995	986	72.00	2,186	73,152	986	72.00	73,152	82.30	81,118	11.00%
2 - Meter	7,051	111.90	789,002	7,051	115.20	25,018	837,289	7,051	115.20	837,289	131.70	928,611	11.00%
3 - Meter	340	208.70	71,004	340	214.90	2,252	75,365	340	214.90	75,365	245.60	83,558	11.00%
4 - Meter	1,701	262.00	445,612	1,701	269.70	14,128	472,837	1,701	269.70	472,837	308.20	524,190	11.00%
6 - Meter	2,432	392.10	953,634	2,432	403.70	30,241	1,012,088	2,432	403.70	1,012,088	461.40	1,122,180	11.00%
8 - Meter	581	759.20	441,422	581	781.60	13,997	468,443	581	781.60	468,443	893.30	519,391	11.00%
10 - Meter	87	1,099.50	95,657	87	1,131.90	3,033	101,508	87	1,131.90	101,508	1,293.60	112,543	11.00%
Subtotal	29,236		\$3,288,560	29,236		\$104,262	\$3,489,384	29,236		\$3,489,384		\$3,869,083	11.00%
Usage (in 100 Gallons)													
First 16,000 Gal	1,772,227	\$1.4742	\$2,612,617	2,042,425	\$1.4742	\$92,737	\$3,103,680	2,025,948	\$1.4742	\$3,079,389	\$1.6100	\$3,261,776	6.00%
All Over 16,000	14,348,180	0.8705	12,490,091	16,535,736	0.8705	443,346	14,837,705	16,402,336	0.8705	14,721,580	0.9520	15,615,024	6.00%
Subtotal	16,120,407		\$15,102,708	18,578,161		\$536,083	\$17,941,385	18,428,284		\$17,800,969		\$18,876,800	6.00%
Adjustment (1):													
First 16,000 Gal	270,198	\$1.4742	\$398,326	(16,477)	\$1.4742	(\$748)	(\$25,039)	(15,283) \$1.4742	(\$23,278)	\$1.6100	(\$24,605)	6.00%
All Over 16,000	2,187,556	0.8705	1,904,268	(133,400)	0.8705	(3,577)	(119,702)	(123,731		(111,284)	0.9520	(117,791)	6.00%
Subtotal	2,457,754	0.8705	\$2,302,593	(133,400)	0.8703	(\$4,325)	(\$144,740)	(123,731	<u></u>	(\$134,562)	0.9320	(\$142,397)	6.00%
Subtotal	2,437,734		\$2,502,595	(149,877)		(\$4,525)	(3144,740)	(139,013)	(\$154,502)		(3142,397)	0.00%
RZ 1 Municipal Usage	18,578,161			18,428,284				18,289,271					
RZ 1 Municipal Revenues		-	\$20,693,861			\$636,020	\$21,286,028			\$21,155,791		\$22,603,487	7.00%
		-											•
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Note (1) Adjustment to account for normalization in usage trend including the impact of declining usage.

			Annualized			Proforma	Proforma	Γ			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022		2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 2 - Winola	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue		Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge Unmetered Service (5/8 - Meters) *		33.23	\$0		33.23	\$0	\$0			33.23	\$0	\$20.00	\$0	0.00%
RZ 2 Municipal Revenues		-	\$0			-	\$0				\$0		\$0	0.00%

* Unmetered Service conversion to Metered charges.

			Annualized			Proforma	Proforma				Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	202	23 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 3 McEwensville	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Det	erminants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge														
5/8 - Meter	12	\$17.00	\$204	12	\$17.50	\$6	\$216		12	\$17.50	\$216	\$20.00	\$240	11.00%
3/4 - Meter	0	25.80	0	0	26.50	0	0		0	26.50	0	30.30	0	0.00%
1 - Meter	0	42.90	0	0	44.10	0	0		0	44.10	0	50.40	0	0.00%
1 1/2 - Meter	0	70.00	0	0	72.00	0	0		0	72.00	0	82.30	0	0.00%
2 - Meter	0	111.90	0	0	115.20	0	0		0	115.20	0	131.70	0	0.00%
3 - Meter	0	208.70	0	0	214.90	0	0		0	214.90	0	245.60	0	0.00%
4 - Meter	0	262.00	0	0	269.70	0	0		0	269.70	0	308.20	0	0.00%
Subtotal	12	-	\$204	12		\$6	\$216		12		\$216		\$240	11.00%
Usage (in 100 Gallons) *														
First 16,000 Gal	15	\$0.7000	\$11	15	\$0.8983	\$0	\$14		15	\$0.8983	\$14	\$1.7276	\$26	87.00%
All Over 16,000 Gal	0	\$0.7000	\$0	0	\$0.8983		\$0		0	\$0.8983	\$0	\$1.2719	\$0	0.00%
RZ 3 Municipal Usage	15			15					15					
		-	6245				<u> </u>							45.000/
RZ 3 Municipal Revenues		=	\$215			\$7	\$230				\$230		\$266	15.00%

* All usage rate conversion to two blocks.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 4 Turbotville	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
5/8 - Meter	12	\$17.00	\$203	12	\$17.50	\$6	\$215	12	\$17.50	\$215	\$20.00	\$238	11.00%
3/4 - Meter	0	25.80	0	0	26.50	0	0	0	26.50	0	30.30	0	0.00%
1 - Meter	0	42.90	0	0	44.10	0	0	0	44.10	0	50.40	0	0.00%
1 1/2 - Meter	0	70.00	0	0	72.00	0	0	0	72.00	0	82.30	0	0.00%
2 - Meter	0	111.90	0	0	115.20	0	0	0	115.20	0	131.70	0	0.00%
3 - Meter	0	208.70	0	0	214.90	0	0	0	214.90	0	245.60	0	0.00%
4 - Meter	0	262.00	0	0	269.70	0	0	0	269.70	0	308.20	0	0.00%
Subtotal	12	_	\$203	12		\$6	\$215	12		\$215		\$238	11.00%
Usage (in 100 Gallons) First 16,000 Gal All Over 16,000 Gal Subtotal	30	\$0.7900 \$0.7900 _	\$24 \$0 \$24	30 0 30	\$1.4742 \$0.8705	\$1 0 \$1	\$46 0 \$46	30 0 30	\$1.4742 \$0.8705	\$46 \$46	\$1.6100 \$0.9520	\$48 \$0 \$48	6.00% 0.00% 6.00%
RZ 4 Municipal Usage RZ 4 Municipal Revenues	30	-	\$226	30		\$8	\$261	30		\$261		\$287	10.00%

			Annualized			Proforma	Proforma	Г			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022		2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 5 Steelton	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue		Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge														
5/8 - Meter	75	\$19.51	\$1,456	75	\$20.69	\$48	\$1,591		75	\$20.69	\$1,591	\$20.00	\$1,492	-6.00%
3/4 - Meter	9	20.69	194	9	20.69	6	200		9	20.69	200	30.30	285	42.00%
1 - Meter	12	42.73	513	12	45.32	17	561		12	45.32	561	50.40	605	8.00%
1 1/2 - Meter	12	76.94	923	12	81.61	30	1,009		12	81.61	1,009	82.30	988	-2.00%
2 - Meter	15	111.14	1,612	15	117.88	53	1,762		15	117.88	1,762	131.70	1,910	8.00%
3 - Meter	10	252.20	2,396	10	267.48	78	2,619		10	267.48	2,619	245.60	2,333	-11.00%
4 - Meter	0	329.37	0	0	349.33	0	0		0	349.33	0	308.20	0	0.00%
Subtotal	132		\$7,093	132		\$231	\$7,743		132		\$7,743		\$7,612	-2.00%
Usage (in 100 Gallons)														
First 1,700 Gal	1,070	\$0.0000	\$0	1,070	\$0.0000	\$0	\$0		1,070	\$0.0000	\$0	\$1.7276	\$1,849	0.00%
Next 18,300 Gal	1,365	1.0903	1,488	1,365	1.1564	49	1,627		1,365	1.1564	1,627	1.7276	2,358	45.00%
Next 30,000 Gal	10	1.2038	12	10	1.2768	0	13		10	1.2768	13	1.2719	13	-3.00%
All Over 50,000 Gal	0	1.0402	0	0	1.1032	0	0		0	1.1032	0	1.2719	0	0.00%
Subtotal	2,445	-	\$1,500	2,445		\$49	\$1,640		2,445		\$1,640		\$4,220	157.00%
RZ 5 Municipal Usage	2,445			2,445					2,445					
N2 5 Withleph Usage	2,445			2,445					2,443					
RZ 5 Municipal Revenues		-	\$8,594			\$280	\$9,383				\$9,383		\$11,832	26.00%
•		=												

			Annualized			Proforma	Proforma	[Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022		2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 6 Valley	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue		Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge														
Service Charge	1	\$28.12	\$19	48	\$28.12		\$1,350		48	\$28.12	\$1,350			
Usage (in 100 Gallons)														
First 3,400 Gal	23	\$0.0000	\$0	1,086	\$0.0000		\$0		1,086	\$0.0000	\$0	\$1.5200	\$1,651	0.00%
All Over 3,400 Gal	107	0.8400	90 90	15,930	0.8400		13,381		15,930	0.8400	13,381	1.5200	24,214	81.00%
Subtotal	130	0.8400 -	\$90	17,016	0.8400	-	\$13,381		17,016	0.8400	\$13,381	1.5200	\$25,864	81.00%
Subtotal	150		290	17,010			\$15,501		17,010		Ş13,361		Ş23,804	
Adjustment (1):														
Service Charge	47	\$28.12	\$1,330											
Usage (in 100 Gallons)														
First 1,700 Gal	1,063	\$0.0000	\$0											
All Over 50,000 Gal	15,823	0.8400	13,291											
	16,886	-	\$13,291			-	\$0							
Adjustment (2):									(40)					
Service Charge 5/8 - Meter									(48)			\$20.00	\$0	0.00%
3/4 - Meter												30.30	\$0 0	0.00%
1 - Meter												50.30	0	0.00%
1 1/2 - Meter									12			82.30	988	0.00%
2 - Meter									24			131.70	3,161	0.00%
3 - Meter									24			245.60	5,894	0.00%
4 - Meter									27			308.20	0	0.00%
6 - Meter									12			461.40	5,537	0.00%
8 - Meter									24			893.30	21,439	0.00%
		-	\$0										37,019	/ -
RZ 6 Municipal Usage	17,016			17,016					17,016				•	
		_												
RZ 6 Municipal Revenues		=	\$13,401			\$0	\$14,731				\$14,731		\$62,883	327.00%

Note (1) Adjustment to annualize Valley Township Water acquired in November 2021. Note (2) The Company is proposing to convert Service Charge to Meter size charges.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 7 SLIBCO	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge													
2 - Meter		\$63.55	\$0		\$63.55		\$0		\$63.55	\$0	\$131.70	\$0	0.00%
4 - Meter		136.30	0		136.30		0		136.30	0	308.20	0	0.00%
6 - Meter		136.30	0		136.30		0		136.30	0	423.10	0	0.00%
8 - Meter		309.30	0		309.30	-	0		309.30	0	569.38	0	0.00%
	0		\$0	0			\$0	0		\$0		\$0	0.00%
Usage (in 100 Gallons)													
First 20,000 Gal		\$1.8940	\$0		\$1.8940		\$0		\$1.8940	\$0	\$1.7276	\$0	0.00%
Next 80,000 Gal		1.6780	0		1.6780		0		1.6780	0	1.2719	0	
All Over 100,000 Gal		1.3810	0		1.3810	_	0		1.3810	0	1.2719	0	0.00%
Subtotal	0		\$0	0			\$0	0		\$0		\$0	0.00%
RZ 7 Municipal Usage	0			0				0					
		-	<u> </u>				<u> </u>						
RZ 7 Municipal Revenues		-	\$0			\$0	\$0			\$0		\$0	0.00%

Other Water Utilities Class	2021 Usage (in 100 Gallons)	2021 Number of Bills	2021 Annualized Revenues	2022 Usage (in 100 Gallons)	2022 Number of Bills	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Usage (in 100 Gallons)	2023 Number of Bills	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Group A	235,035	113	\$235,722	235,035	69	\$7,320	\$244,982	235,035	69	\$244,982	\$271,466	11.00%
Group B	140,140	102	219,273	4,870	102	1,630	54,566	4,870	90	54,566	59,162	8.00%
Demand-Based (DRS)	6,599,260	60	1,966,599	8,491,760	60	0	2,677,192	8,491,760	60	2,733,803	2,733,803	0.00%
Total Other Water Utilities	6,974,435	275	\$2,421,594	8,731,665	231	\$8,950	\$2,976,740	8,731,665	219	\$3,033,350	\$3,064,430	1.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022	2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 1	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue	Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge - Group A													
5/8 - Meter	0	\$24.70	\$0	0	\$25.50	\$0	\$0	0	\$25.50	\$0	\$29.10	\$0	0.00%
3/4 - Meter	0	37.10	0	0	38.20	0	0	0	38.20	0	44.00	0	0.00%
1 - Meter	0	61.90	0	0	63.70	0	0	0	63.70	0	73.00	0	0.00%
1 1/2 - Meter	0	123.60	0	0	127.30	0	0	0	127.30	0	145.00	0	0.00%
2 - Meter	12	197.90	2,375	12	203.70	75	2,520	12	203.70	2,520	232.00	2,784	10.00%
3 - Meter	0	370.90	0	0	381.80	0	0	0	381.80	0	436.00	0	0.00%
4 - Meter	11	618.30	6,801	11	636.50	216	7,217	11	636.50	7,217	726.00	7,986	11.00%
6 - Meter	46	1,236.40	56,874	46	1,272.70	1,803	60,347	46	1,272.70	60,347	1,452.00	66,792	11.00%
8 - Meter	33	1,979.20	65,314	0	2,037.40	0	0	0	2,037.40	0	2,325.00	0	0.00%
10 - Meter	11	2,843.60	31,280	0	2,927.00	0	0	0	2,927.00	0	3,340.00	0	0.00%
Subtotal	113	-	\$162,644	69		\$2,094	\$70,084	69	-	\$70,084		\$77,562	11.00%
Usage (in 100 Gallons)													
All Usage (Group A)	577,035	\$0.7219	\$416,562	235,035	\$0.7219	\$5,226	\$174,898	235,035	\$0.7219	\$174,898	\$0.8250	\$193,904	11.00%
Adjustment (1):													
8 - Meter	(33)	1,979.20	(\$65,314)										
10 - Meter	(11)	2,843.60	(31,280)										
Usage (in 100 Gallons)	(342,000)	\$0.7219	(\$246,890)										
		_							_				
Total OWU - Group A	235,035	_	\$235,722	235,035		\$7,320	\$244,982	235,035	_	\$244,982		\$271,466	11.00%
		-							-				- -

Note (1) Adjustment for Valley Township change from bulk water customer to direct services to customers

			Annualized			Proforma	Proforma	Г			Proforma		Proforma	
	2021 Billing	2021	2021	2022 Billing	2022	DSIC	2022		2023 Billing	Present	2023 Revenues	Proposed	2023 Revenues	% Percent
Rate Zone 1	Determinants	Rate	Revenue	Determinants	Rate	Revenues	Revenue		Determinants	Rate	@ Present Rate	Rate	@ Proposed Rate	Change
Customer Charge - Group B														
5/8 - Meter	0	\$24.70	\$0	0	\$25.50	\$0	\$0		0	\$25.50	\$0	\$29.10	\$0	0.00%
3/4 - Meter	0	37.10	0	0	38.20	0	0		0	38.20	0	44.00	0	0.00%
1 - Meter	0	61.90	0	0	63.70	0	0		0	63.70	0	73.00	0	0.00%
1 1/2 - Meter	0	123.60	0	0	127.30	0	0		0	127.30	0	145.00	0	0.00%
2 - Meter	36	197.90	7,124	36	203.70	226	7,559		36	203.70	7,559	232.00	8,352	10.00%
3 - Meter	6	370.90	2,303	6	381.80	73	2,444		6	381.80	2,444	436.00	2,708	11.00%
4 - Meter	36	618.30	22,036	36	636.50	699	23,384		36	636.50	23,384	726.00	25,875	11.00%
6 - Meter	24	1,236.40	29,451	24	1,272.70	934	31,249		12	1,272.70	10,799	1,452.00	17,163	59.00%
8 - Meter	0	1,979.20	0	0	2,037.40	0	0		0	2,037.40	0	2,325.00	0	0.00%
10 - Meter	0	2,843.60	0	0	2,927.00	0	0		0	2,927.00	0	3,340.00	0	0.00%
Subtotal	102	-	\$60,915	102		\$1,931	\$64,636		90		\$44,185		\$54,097	22.00%
Usage (in 100 Gallons)														
All Usage (Group B)	140,140	\$1.1300	\$158,358	140,140	\$1.1300	4,877	\$163,236		4,870	\$1.1300	\$10,381	\$1.0400	\$5,065	-51.00%
All Osage (Gloup B)	140,140	Ş1.1500	\$136,536	140,140	\$1.1500	4,077	\$105,250		4,870	\$1.1500	\$10,581	\$1.0400	\$3,003	-31.00%
Adjustment (1): 6 - Meter				(12)	1,272.70	(\$470)	(\$15,743)							
All Usage (Group B)		-		(135,270)	\$1.1300	(4,708)	(157,563)							
Total OWU - Group B	140,140	=	\$219,273	4,870	:	\$1,630	\$54,566		4,870		\$54,566		\$59,162	8.00%

Note (1) Adjustment to remove customer who moved to Demand-Based Resale Service

Demand-Based Resale Service (I	2021 Billing Determinants DRS)	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma DSIC Revenues	Proforma 2022 Revenue		2023 Billing Determinants	Present Rate	Proforma 2023 Revenues @ Present Rate	Proposed Rate	Proforma 2023 Revenues @ Proposed Rate	
DRS-1 Demand Charge DRS-1 Commodity														
DRS -2 Commodity														
DRS -3 Commodity														
DRS -4 Commodity						Redacted - Ref	er to Confident	ial \	/olume 6d					
DRS-5 Demand Charge DRS-5 Commodity														
DRS -6 Commodity (1)														
DRS -7 Commodity (2)														
RZ 1 Other Water Utilities Usage	6,599,260			8,491,760					8,491,760					
Total Demand-Based Service			\$1,966,599			\$0	\$2,677,192				\$2,733,803		\$2,733,803	0.00%

Note (1) Adjustment to account for customer who moved from Group B to Demand-Based Resale Service Note (2) Adjustment to account for new Demand-Based Resale customer

PENNSYLVANIA-AMERICAN WATER COMPANY - WATER APPLICATION OF PRESENT AND PROPOSED RATES PUBLIC FIRE HYDRANTS

Service Area(1)	2021 Number of Hydrants (2)	Monthly Rate (3)	2021 Revenues (4)	2022 Number of Hydrants (5)	Monthly Present Rate (6)	2022 Revenues (7)	2023 Number of Hydrants (8)	Monthly Present Rate (9)	2023 Revenues (10)	Monthly Proposed Rate (11)	Pro Forma Proposed Revenue (12)
(-)	(2)	(3)	(-)	(3)	(0)	(7)	(0)	(5)	(10)	(11)	(12)
Hydrants prior to 1/1/2000	25,785	\$20.00	\$6,188,400	25,785	\$20.00	\$6,188,400	25,785	\$20.00	\$6,188,400	\$20.30	\$6,281,226
Hydrants at 1/4 Cost of Service	9,735	16.87	1,970,753	9,893	16.87	2,002,739	10,051	16.87	2,034,724	20.30	2,448,424
Bradford Township	47	6.25	3,525	47	6.25	3,525	47	6.25	3,525	6.25	3,525
Brownsville Area	233	17.55	49,070	233	17.55	49,070	233	17.55	49,070	20.30	56,759
California Area	75	18.05	16,245	75	18.05	16,245	75	18.05	16,245	20.30	18,270
Reading Area	2,522	18.19	550,502	2,522	18.19	550,502	2,522	18.19	550,502	20.30	614,359
Valley District	108	0.00	0	108	0.00	0	108	0.00	0	20.30	26,309
		-								· _	
Total Public Fire Revenue	38,505	=	\$8,778,495	38,663	= :	\$8,810,481	38,821	= :	\$8,842,466	=	\$9,448,871

PENNSYLVANIA-AMERICAN WATER COMPANY - WATER OPERATIONS APPLICATION OF PRESENT AND PROPOSED RATES PRIVATE FIRE SERVICE

Service		2021 Pre	sent Rates		2022 Pre	sent Rates		2023 Pres	sent Rates	2023 Prop	osed Rates
Connection Size	Number	Rate	Revenue	Number	Rate	Revenue	Number	Rate	Revenue	Rate	Revenue
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1" or 1 1/4"	2	\$4.71	\$113	2	\$4.79	\$115	2	\$4.79	\$115	\$5.34	\$128
1 1/2"	0	6.78	0	0	6.90	0	0	6.90	0	7.69	0
2"	47	12.05	6,796	47	12.27	6,920	47	12.27	6,920	13.68	7,716
3"	15	27.40	4,932	15	27.90	5,022	15	27.90	5,022	31.11	5,600
4"	319	48.23	184,624	319	49.12	188,031	319	49.12	188,031	54.77	209,660
6"	1,161	109.59	1,526,808	1,161	111.61	1,554,951	1,161	111.61	1,554,951	124.45	1,733,837
8"	590	195.07	1,381,096	590	198.67	1,406,584	590	198.67	1,406,584	221.52	1,568,362
10"	52	304.66	190,108	52	310.28	193,615	52	310.28	193,615	345.96	215,879
12"	19	438.36	99,946	19	446.45	101,791	19	446.45	101,791	497.79	113,496
1" Metered	15	38.52	6,934	15	39.23	7,061	15	39.23	7,061	43.74	7,873
1-1/2" Metered	3	55.02	1,981	3	56.03	2,017	3	56.03	2,017	62.47	2,249
2" Metered	40	88.04	42,259	40	89.67	43,042	40	89.67	43,042	99.98	47,990
3" Metered	11	165.07	21,789	11	168.12	22,192	11	168.12	22,192	187.45	24,743
4" Metered	69	206.34	170,850	69	210.15	174,004	69	210.15	174,004	234.32	194,017
6" Metered	81	309.52	300,853	81	315.23	306,404	81	315.23	306,404	351.48	341,639
8" Metered	26	474.59	148,072	26	483.35	150,805	26	483.35	150,805	538.94	168,149
10" Metered	10	667.18	80,062	10	679.49	81,539	10	679.49	81,539	757.63	90,916
Hydrants(*)	1,612	26.87	519,773	1,619	26.87	522,030	1,619	26.87	522,030	26.87	522,030
Sprinkler first 200	5	57.42	3,445	5	58.48	3,509	5	58.48	3,509	65.21	3,913
Sprinkler over 200	1,837	0.15	3,307	1,837	0.15	3,307	1,837	0.15	3,307	0.17	3,747
Standpipes	10	44.65	5,358	10	45.47	5,456	10	45.47	5,456	50.70	6,084
DSIC @ 3.08%		-			-	\$147,175		_	\$147,175	_	
Total Private Fire	5,924		\$4,699,106	5,931		\$4,925,568	5,931		\$4,925,568		\$5,268,028

(*) 2022 Hydrants includes additional hydrants from Creekeside Development. (FRII.02W)

PENNSYLVANIA-AMERICAN WATER COMPANY - WATER OPERATIONS Miscellaneous & Other Operating Revenues YEAR ENDING DECEMBER 31, 2021, 2022, AND 2023

		Per Books 2021	Adjustments	Adjusted 2021	Adjustments	2022	Adjustments	2023	Proposed 2023
469	Guaranteed Revenues	\$0		\$0		\$0		\$0	\$0
470	Late Payment Fees	(3,903,067)	8,189,348	4,286,280	140,655	4,426,935	(22,669)	4,404,266	5,362,330
471	Miscellaneous Services	4,159,492	(3,354)	4,156,138	27,668	4,183,806	12,360	4,196,166	4,196,166
472	Rents From Property	1,539,509		1,539,509	(319,460)	1,220,048	(212,507)	1,007,542	1,007,542
473	Intercompany Rent	523,644		523,644	11,043	534,687	15,101	549,788	549,788
	Total Other Revenues	\$2,319,578	\$8,185,994	\$10,505,571	(\$140,094)	\$10,365,477	(\$207,715)	\$10,157,762	\$11,115,826

			FRII.02d	FRII.02g	FRII.02h	FRII.02i			FRII.02n	FRII.02g	FR II.02h	FRII.02w		FRII.02g	FR II.02h	FRII.02w	Proforma
	2021	2021	Annualized	Change in	Usage	Annualized	2021 Revenues	2022	Annualized	Change in	2022 Usage	Creekside	Present Rate	Change in	2023 Usage	Creekside	Present Rate
RESIDENTIAL CLASS	Billing Units	Rates	2021 Revenues	Customers	Normalization	Valley	Incl All 2021 Adj	Rates	2022 Revenues	Customers	Adjustment	Development	2022 Revenues	Customers	Adjustment	Homeowners	2023 Revenues
Rate Zone 1 - Most Areas	(a)	(b)	(a)*(b)	(c)	(d)	(e)	f=(a+c+d+e)*b	(g)	h=(a+c+d+e)*g	(i)	(j)	(k)	l=(a+c+d+e+i+j+k)*g	(m)	(n)	(o)	p=(a+c+d+e+i+j+k+m+n+o)*g
Total Billed Count																	
5/8-METER	6,960,041	\$17.00	\$118,320,693	11,893			\$118,522,874	\$17.50	\$122,008,841	20,062		300	\$122,365,176	40,123		516	\$123,076,359
5/8-METER Low Ir	285,859	2.55	728,941				728,941	2.63	750,380				750,380				750,380
3/4-METER	10,769	17.00	183,069				183,069	17.50	188,454				188,454				188,454
1-METER	156,869	17.00	2,666,773				2,666,773	17.50	2,745,208				2,745,208				2,745,208
1.5-METER	2,536	17.00	43,117				43,117	17.50	44,385				44,385				44,385
2-METER	1,351	111.90	151,148				151,148	115.20	155,605				155,605				155,605
3-METER	0	208.70	0				0	214.90	0				0				0
4-METER	170	262.00	44,650				44,650	269.70	45,962				45,962				45,962
6-METER	95	392.10	37,128				37,128	403.70	38,226				38,226				38,226
8-METER	4	759.20	3,037				3,037	781.60	3,126				3,126				3,126
UnMetered	1,700	\$61.93	\$105,303				\$105,303	\$62.78	\$106,749				\$106,749				\$106,749
Usage in Hundred Gallons																	
All Usage	253,107,911	\$1.2991	\$328,812,487	416,220	(11,389,663)		\$314,556,888	\$1.3100	\$317,196,153	702,101	(5,407,032)	9,840	\$311,045,585	1,404,202	(4,172,983)	16,476	\$307,440,066
All Usage (Low Inc	6,999,562	1.1692	8,183,818		(352,258)		7,771,962	1.1790	7,837,172		(167,228)		7,640,011		(129,061)		7,487,847
Rate Zone 2 - Winola																	
Total Billed Count																	
UnMetered	201	\$33.23	\$6,671				\$6,671	\$33.23	\$6,671				\$6,671				\$6,671
Usage in Hundred Gallons																	
All Usage	0	0.00	0				0	0	\$0				\$0		645		\$0
Rate Zone 3 - McEwensvill	e																
Total Billed Count																	
5/8-METER	1,527	\$17.00 2.55	\$25,966				\$25,966	\$17.50 2.63	\$26,730				\$26,730				\$26,730 3
5/8-METER Low Ir	1		3				3		3				3				3
3/4-METER	0	17.00	0				0	17.50	0				0				0
1-METER	0	17.00	-				-	17.50	-				0				0
1.5-METER	-	17.00	0				0	17.50	0				0				-
2-METER	0	111.90	0				0	115.20	0				0				0
3-METER	0	208.70	0				0	214.90	0				0				0
4-METER	0	262.00	0				0	269.70	0				0				0
Usage in Hundred Gallons		40 7055	éne				A24	60.0005	640				640				A
All Usage	45,401	\$0.7000	\$31,780				\$31,780	\$0.8983	\$40,783				\$40,783				\$40,783
All Usage (Low Inc	206	0.6300	130				130	0.8085	167				167				167

Rate Zone 4 - Turbotville									
Total Billed Count									
5/8-METER	3,120	\$17.00	\$53,038		\$53,038	\$17.50	\$54,598	\$54,598	\$54,598
5/8-METER Low Ir	36	2.55	91		91	2.63	93	93	93
3/4-METER	0	17.00	0		0	17.50	0	0	0
1-METER	12	17.00	196		196	17.50	202	202	202
1.5-METER	0	17.00	0		0	17.50	0	0	0
2-METER	0	111.90	0		0	115.20	0	0	0
3-METER	0	208.70	0		0	214.90	0	0	0
4-METER	0	262.00	0		0	269.70	0	0	0
Usage in Hundred Gallons									
All Usage	91,248	\$1.1600	\$105,848		\$105,848	\$1.3100	\$119,535	\$119,535	\$119,535
All Usage (Low Inc	3,737	1.0440	3,902		3,902	1.1790	4,406	4,406	4,406
	-,		-,		-,		.,	.,	·,
Rate Zone 5 - Steelton									
Total Billed Count									
5/8-METER	25,605	\$19.51	\$499,549		\$499,549	\$20.69	\$529,762	\$529,762	\$529,762
5/8-METER Low Ir	334	2.93	978		978	3.10	1,035	1,035	1,035
3/4-METER	3	19.51	61		61	20.69	65	65	65
1-METER	60	19.51	1,166		1,166	20.69	1,237	1,237	1,237
1.5-METER	0	19.51	0		0	20.69	0	0	0
2-METER	9	111.14	1,000		1,000	117.88	1,061	1,061	1,061
3-METER	0	252.20	0		0	267.48	0	0	0
4-METER	0	329.37	0		0	349.33	0	0	0
Usage in Hundred Gallons									
First 1,700 Gal	358,417	\$0.0000	\$0		\$0	\$0.0000	\$0	\$0	\$0
Next 18,300 Gal	500,042	1.0903	545,196		545,196	1.1564	578,249	578,249	578,249
Next 30,000 Gal	30,877	1.2038	37,170		37,170	1.2768	39,424	39,424	39,424
All Over 50,000 G	13,837	1.0402	14,393		14,393	1.1032	15,265	15,265	15,265
	903,173								
Rate Zone 6 - Valley Townshi Total Billed Count	<u>p</u>								
Service Charge	1,384	\$28.12	\$38,925	18,28	4 \$553,064	\$28.12	\$553,064	\$553,064	\$553,064
Usage in Hundred Gallons									
First 3,400 Gal	34,779	\$0.0000	\$0	424,07	5 \$0	\$0.0000	\$0	\$0	\$0
All Over 3,400 Gal	9,239	0.8400	7,761	109,94		0.8400	100,118	100,118	100,118
	44,018				,				
RESIDENTIAL REVENUES			\$460,653,987		\$446,795,209		\$453,192,729	\$447,201,334	\$444,154,834
1									

	2021	2021	FRII.02d Annualized	FRII.02g Change in	FRII.02h Usage	FRII.02i & I Annualized	2021 Revenues	2022	FRII.02n Annualized	FRII.02g Change in	FRII.02h 2022 Usage	FR II.02x Shale Gas	Present Rate	FRII.02g Change in	FR II.02h 2023 Usage		Proforma Present Rate
COMMERCIAL CLASS	Billing Units	Rates	2021 Revenues	Customers	Normalization	Valley/SLIBCO	Incl All 2021 Adj	Rates	2022 Revenues	Customers	Adjustment	Com. Usage	2022 Revenues	Customers	Adjustment		2023 Revenues
Rate Zone 1 - Most Areas	(a)	(b)	(a)*(b)	(c)	(d)	(e)	f=(a+c+d+e)*b	(g)	h=(a+c+d+e)*g	(i)	(j)	(k)	l=(a+c+d+e+i+j+k)*g	(m)	(n)	(o)	p=(a+c+d+e+i+j+k+m+n)*g
Total Billed Count	245 025	647.00	Á5 065 500	(720)			ÁF 052 400	647.50	66 005 040	000			éc 044 033	4 700			ćc 070 000
5/8-METER	345,035	\$17.00	\$5,865,599	(730)			\$5,853,189	\$17.50	\$6,025,342	896			\$6,041,022	1,793			\$6,072,399
3/4-METER	21,190	25.80	546,707				546,707	26.50	561,541				561,541				561,541
1-METER	81,890	42.90	3,513,093				3,513,093	44.10	3,611,361				3,611,361				3,611,361
1.5-METER	15,695	70.00	1,098,679				1,098,679	72.00	1,130,070				1,130,070				1,130,070
2-METER	44,716	111.90	5,003,766				5,003,766	115.20	5,151,330				5,151,330				5,151,330
3-METER	1,361	208.70	283,974				283,974	214.90	292,410				292,410				292,410
4-METER	18,894	262.00	4,950,220				4,950,220	269.70	5,095,704				5,095,704				5,095,704
6-METER	17,349	392.10	6,802,712				6,802,712	403.70	7,003,965				7,003,965				7,003,965
8-METER	6,194	759.20	4,702,568				4,702,568	781.60	4,841,316				4,841,316				4,841,316
10-METER	763	1,099.50	838,567				838,567	1,131.90	863,277				863,277				863,277
Usage in Hundred Gallons																	
First 16,000 Gal	33,168,089	\$1.2991	\$43,088,664	(97,354)	2,041,438		\$45,614,224	\$1.3100	\$45,996,947	119,520	(361,555)	(3,871)	\$45,674,810	239,040	(292,101)		\$45,605,300
All Over 16,000	89,461,068	0.9543	85,372,697	(65,639)	5,506,174		90,564,599	0.9643	91,513,615	80,584	(975,187)	(917,838)	89,765,878	161,169	(787,856)		89,161,564
	122,629,156																
Rate Zone 3 - McEwensville	e																
Total Billed Count																	
5/8-METER	96	\$17.00	\$1,632				\$1,632	\$17.50	\$1,680				\$1,680				\$1,680
3/4-METER	0	25.80	0				0	26.50	0				0				C
1-METER	12	42.90	515				515	44.10	529				529				529
1.5-METER	0	70.00	0				0	72.00	0				0				(
2-METER	0	111.90	0				0	115.20	0				0				(
3-METER	0	208.70	0				0	214.90	0				0				C
4-METER	0	262.00	0				0	269.70	0				0				0
Usage in Hundred Gallons																	
All Usage	8,677	\$0.7000	\$6,074				\$6,074	\$0.8983	\$7,795				\$7,795				\$7,795
Rate Zone 4 - Turbotville																	
Total Billed Count																	
5/8-METER	486	\$17.00	\$8,269				\$8,269	\$17.50	\$8,513				\$8,513				\$8,513
3/4-METER	0	25.80	0				0	26.50	0				0				0
1-METER	48	42.90	2,064				2,064	44.10	2,122				2,122				2,122
1.5-METER	24	70.00	1,684				1,684	72.00	1,732				1,732				1,732
2-METER	0	111.90	0				0	115.20	0				0				C
3-METER	12	208.70	2,406				2,406	214.90	2,478				2,478				2,478
4-METER	0	262.00	0				0	269.70	0				0				. (
6-METER	12	392.10	4,521				4,521	403.70	4,655				4,655				4,65
Usage in Hundred Gallons																	
All Usage	48,851	\$0.7900	\$38,593				\$38,593	\$0.8983	\$43,883				\$43,883				\$43,883

Rate Zone 5	- Steelton											
Total Bill												
5/8-	-METER	1,197	\$19.51	\$23,348		\$23,348	\$20.69	\$24,760		\$24,760		\$24,760
	-METER	0	20.69	0		0	20.69	0		0		0
	1ETER	408	42.73	17,432		17,432	45.32	18,488		18,488		18,488
1.5-	METER	109	76.94	8,351		8,351	81.61	8,858		8,858		8,858
2-M	1ETER	37	111.14	4,081		4,081	117.88	4,329		4,329		4,329
3-M	1ETER	59	252.20	14,880		14,880	267.48	15,781		15,781		15,781
	1ETER	39	329.37	12,845		12,845	349.33	13,624		13,624		13,624
	1ETER	0	526.98	0		0	558.92	0		0		0
8-M	1ETER	24	765.56	18,373		18,373	811.96	19,487		19,487		19,487
Usage in Hund												
First 1,70		19,750	\$0.0000	\$0		\$0	\$0.0000	\$0		\$0		\$0
Next 18,3		67,656	1.0903	73,765		73,765	1.1564	78,238		78,238		78,238
Next 30,0		27,627	1.2038	33,257		33,257	1.2768	35,274		35,274		35,274
All Over 5		120,539	1.0402	125,385		125,385	1.1032	132,979		132,979		132,979
		235,572										
	5 - Valley Township											
Total Bill												
Serv	vice Charge	7	\$28.12	\$209	149	\$4,387	\$28.12	\$4,387		\$4,387		\$4,387
Usage in Hund												
	t 3,400 Gal	106	\$0.0000	\$0	1,641	\$0	\$0.0000	\$0		\$0		\$0
All C	Over 3,400 Gal	124	0.8400	104	12,652	10,732	0.8400	10,732		10,732		10,732
		230										
Rate Zone 7												
Total Bill												
	-METER	1	\$63.55	\$64	11	\$763	\$63.55	\$763		\$763		\$763
	1ETER	0	63.55	0	0	0	63.55	0		0		0
	1ETER	1	136.30	136	11	1,636	136.30	1,636		1,636		1,636
	1ETER	2	136.30	273	22	3,271	136.30	3,271		3,271		3,271
8-M	1ETER	4	309.30	1,237	44	14,846	309.30	14,846		14,846		14,846
Usage in Hund												
First 20,0		1,050	\$1.8940	\$1,989	11,256	\$23,308	\$1.8940	\$23,308		\$23,308		\$23,308
Next 80,0		657	1.6780	1,102	9,567	17,157	1.6780	17,157		17,157		17,157
All Over 1	100,000 Gal	0	1.3810	0	120	166	1.3810	166		166		166
		1,707										
			_				-				_	
COMMERCIA	AL REVENUES		_	\$162,469,836		\$170,246,039		\$172,588,346	\$1	70,534,152		\$169,891,706

Pennsylvania American Water Company

Water Bill Analysis Summary 12 Months Ending December 2021, 2022, 2023

NDUSTRIAL CLASS	2021 Billing Units	2021 Rates	FRII.02d & r Annualized 2021 Revenues	FRII.02g Change in Customers	FRII.02h Usage Normalization	FRII.02i Annualized Valley	2021 Revenues Incl All 2021 Adi	2022 Rates	FRII.02 n & r Annualized 2022 Revenues	Change in Customers	2022 Usage Adiustment		Present Rate 2022 Revenues	2023 Rates	2023 Usage Adiustment		FRII.02r Proforma Present Rate 2023 Revenues
Rate Zone 1 - Most Areas	(a)	(b)	(a)*(b)	(c)	(d)	(e)	f=(a+c+d+e)*b	(g)	h=(a+c+d+e)*g	(i)	(j)	(k)	k=(a+c+d+e+i+j)*g	(m)	(n)	(o)	p=(a+c+d+e+i+j+m+n)*m
Total Billed Count	(0)	(6)	(0) (0)	(0)	(0)	(0)	i-(arcrarc) b	(6/	n-(arcraic) B		u/	(14)	K-(010101011)/ 5	()	()	(0)	p-(are are mj mm) m
5/8-METER	599	\$25.40	\$15,210				\$15,210	\$25.40	\$15,210				\$15,210	\$25.40			\$15,210
3/4-METER	88	38.10	3,336				3,336	38.10	3,336				3,336	38.10			3,336
1-METER	1,056	63.60	67,192				67,192	63.60	67,192				67,192	63.60			67,192
1.5-METER	501	127.10	63,676				63,676	127.10	63,676				63,676	127.10			63,676
2-METER	1,942	203.40	395,102				395,102	203.40	395,102				395,102	203.40			395,102
3-METER	143	381.40	54,548				54,548	381.40	54,548				54,548	381.40			54,548
4-METER	756	635.60	480,399				480,399	635.60	480,399				480,399	635.60			480,399
6-METER	844	1,271.20	1,072,397				1,072,397	1,271.20	1,072,397				1,072,397	1,271.20			1,072,397
8-METER	480	2,034.30	977,379				977,379	2,034.30	977,379				977,379	2,034.30			977,379
10-METER	132	2,923.40	386,415				386,415	2,923.40	386,415				386,415	2,923.40			386,415
12-METER	0	4,195.80	0				0	4,195.80	0				0	4,195.80			0
Usage in Hundred Gallons																	
First 16.000 Gal	729,278	\$1.2129	\$884,542				\$884,542	\$1.2277	\$895,335				\$895,335	\$1.2277			\$895,335
Next 584,000 Gal	8,897,476	0.9229	8,211,481				8,211,481	0.9341	8,311,132				8,311,132	0.9341			8,311,132
All over 600,000	17,640,766	0.7259	12,805,432				12,805,432	0.7348	12,962,435				12,962,435	0.7348			12,962,435
	27,267,520																
Usage in Hundred Gallons (C	urtailment)																
First 16,000 Gal	1,920	\$1.2129	\$2,329				\$2,329	\$1.2277	\$2,357				\$2,357	\$1.2277			\$2,357
Next 584,000 Gal	70,080	0.9229	64,677				64,677	0.9341	65,462				65,462	0.9341			65,462
Next 14,400,000 Gal	1,728,000	0.7259	1,254,355				1,254,355	0.7348	1,269,734				1,269,734	0.7348			1,269,734
All Over 15,000,000	2,858,610	0.4433	1,267,222				1,267,222	0.4487	1,282,658				1,282,658	0.4487			1,282,658
	4,658,610																
SPECIAL CONTRACTS																	
Hershey Company																	
US Steel																	
ConAgra Service Charge ConAgra Usage								Red	acted - Refer to Confid	ential Volume 6	id						

Pennsylvania American Water Company

1

Water Bill Analysis Summary 12 Months Ending December 2021, 2022, 2023

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Rate Zone 5 - Steelton											
Total Billed Count											
5/8-METER	12	\$19.51	\$234		\$234	\$20.69	\$248	\$248	\$20.69		\$248
3/4-METER	0	20.69	0		0	20.69	0	0	20.69		0
1-METER	0	42.73	0		0	45.32	0	0	45.32		0
1.5-METER	0	76.94	0		0	81.61	0	0	81.61		0
2-METER	36	111.14	4,001		4,001	117.88	4,244	4,244	117.88	4	,244
3-METER	0	252.20	0		0	267.48	0	0	267.48		0
4-METER	39	329.37	12,845		12,845	349.33	13,624	13,624	349.33		,624
6-METER	36	526.98	18,971		18,971	558.92	20,121	20,121	558.92		,121
8-METER	12	765.56	9,187		9,187	811.96	9,744	9,744	811.96	<u>c</u>	,744
Usage in Hundred Gallons											
First 1,700 Gal	2,003	\$0.0000	\$0		\$0	\$0.0000	\$0	\$0	\$0.0000		\$0
Next 18,300 Gal	15,988	1.0903	17,432		17,432	1.1564	18,489	18,489	1.1564		,489
Next 30,000 Gal	24,957	1.2038	30,043		30,043	1.2768	31,865	31,865	1.2768		,865
All Over 50,000 Gal	1,117,705	1.0402	1,162,637		1,162,637	1.1032	1,233,052	1,233,052	1.1032	1,233	,052
	1,160,653										
Rate Zone 6 - Valley Townshi	<u>p</u>										
Total Billed Count											
Flat Rate	1	\$28.12	\$23		11 \$337	\$28.12	\$337	\$337	\$28.12		\$337
Usage in Hundred Gallons											
First 3,400 Gal	28	\$0.0000	\$0		80 \$0	\$0.0000	\$0	\$0	\$0.0000		\$0
All Over 3,400 Gal	72	0.8400	60	8	16 746	0.8400	746	746	0.8400		746
	100										
		-				_					
INDUSTRIAL REVENUES			\$32,914,768		\$32,915,768	_	\$33,428,896	\$33,428,896		\$33,528	,353

MUNICIPAL CLASS	2021 Billing Units	2021 Rates	FRII.02d Annualized 2021 Revenues	FRII.02g Change in Customers	FRII.02h Usage Normalization	FRII.02i Annualized Valley	2021 Revenues Incl All 2021 Adj	2022 Rates	FRII.02n Annualized 2022 Revenues	Change in Customers	FR II.02h 2022 Usage Adjustment		Present Rate 2022 Revenues	Change in Customers	FR II.02h 2023 Usage Adjustment		Proforma Present Rate 2023 Revenues
Rate Zone 1 - Most Areas	(a)	(b)	(a)*(b)	(c)	(d)	(e)	f=(a+c+d+e)*b	(g)	h=(a+c+d+e)*g	(i)	(j)	(k)	k=(a+c+d+e+i+j)*g	(m)	(n)	(o)	p=(a+c+d+e+i+j+m+n)*g
Total Billed Count																	
5/8-METER	9,769	\$17.00	\$166,080				\$166,080	\$17.50	\$170,965				\$170,965				\$170,965
3/4-METER	738	25.80	19,031				19,031	26.50	19,547				19,547				19,547
1-METER	5,551	42.90	238,122				238,122	44.10	244,783				244,783				244,783
1.5-METER	986	70.00	68,995				68,995	72.00	70,966				70,966				70,966
2-METER	7,051	111.90	789,002				789,002	115.20	812,271				812,271				812,271
3-METER	340	208.70	71,004				71,004	214.90	73,113				73,113				73,113
4-METER	1,701	262.00	445,612				445,612	269.70	458,708				458,708				458,708
6-METER	2,432	392.10	953,634				953,634	403.70	981,847				981,847				981,847
8-METER	581	759.20	441,422				441,422	781.60	454,446				454,446				454,446
10-METER	87	1,099.50	95,657				95,657	1,131.90	98,475				98,475				98,475
Usage in Hundred Gallons																	
First 16,000 Gal	1,772,227	\$1.4742	\$2,612,617		270,198		\$3,010,943	\$1.4742	\$3,010,943		(16,477)		\$2,986,652		(15,283)		\$2,964,123
All Over 16,000 _	14,348,180 16,120,407	0.8705	12,490,091		2,187,556		14,394,359	0.8705	14,394,359		(133,400)		14,278,234		(123,731)		14,170,526
Rate Zone 3 - McEwensvil	•																
Total Billed Count																	
5/8-METER	12	\$17.00	\$204				\$204	\$17.50	\$210				\$210				\$210
3/4-METER	12	25.80	3204 0				3204 0	26.50	3210 0				3210 0				\$210 0
1-METER	0	42.90	0				0	44.10	0				0				0
1.5-METER	0	70.00	0				0	72.00	0				0				0
2-METER	0	111.90	0				0	115.20	0				0				0
3-METER	0	208.70	0				0	214.90	0				0				0
4-METER	0	262.00	0				0	269.70	0				0				0
	-																
Usage in Hundred Gallons																	
All Usage	15	\$0.7000	\$11				\$11	\$0.8983	\$13				\$13				\$13
Rate Zone 4 - Turbotville Total Billed Count																	
5/8-METER	10	\$17.00	\$203				\$203	\$17.50	\$209				\$209				\$209
3/4-METER	0	25.80	0				0	26.50	0				0				0
1-METER	ů 0	42.90	ů 0				0	44.10	0				0				0
1.5-METER	ő	70.00	0				0	72.00	0				0				0
2-METER	ő	111.90	ů O				0	115.20	0				0				0
3-METER		208.70	0				0	214.90	0				0				0
4-METER	0	262.00	0				0	269.70	0				0				0
Flat Rate	2						0										
Usage in Hundred Gallons																	
All Usage	30	\$0.7900	\$24				\$24	\$1.4742	\$44				\$44				\$44

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Rate Zone	5 - Steelton									
Total B	illed Count									
5/	8-METER	75	\$19.51	\$1,456		\$1,456	\$20.69	\$1,544	\$1,544	\$1,544
3/	4-METER	9	20.69	194		194	20.69	194	194	194
1-	METER	12	42.73	513		513	45.32	544	544	544
1.	5-METER	12	76.94	923		923	81.61	979	979	979
2-	METER	15	111.14	1,612		1,612	117.88	1,709	1,709	1,709
3-	METER	10	252.20	2,396		2,396	267.48	2,541	2,541	2,541
4-	METER	0	329.37	0		0	349.33	0	0	0
Usage in Hur	ndred Gallons									
First 1,	700 Gal	1,070	\$0.0000	\$0		\$0	\$0.0000	\$0	\$0	\$0
Next 18	3,300 Gal	1,365	1.0903	1,488		1,488	1.1564	1,579	1,579	1,579
),000 Gal	10	1.2038	12		12	1.2768	13	13	13
All Ove	r 50,000 Gal	0	1.0402	0		0	1.1032	0	0	0
		2,445								
Rate Zone	6 - Valley Township									
Total B	illed Count									
Fla	at Rate	1	\$28.12	\$19	47	\$1,350	\$28.12	\$1,350	\$1,350	\$1,350
Usage in Hu	ndred Gallons									
Fir	rst 3,400 Gal	23	\$0.0000	\$0	1,063	\$0	\$0.0000	\$0	\$0	\$0
AI	l Over 3,400 Gal	107	0.8400	90	15,823	13,381	0.8400	13,381	13,381	13,381
		130								
			_				_		 	
MUNICI	PAL REVENUES			\$18,400,411		\$20,717,626		\$20,814,734	\$20,674,318	\$20,544,081

Pennsylvania American Water Company

Water Bill Analysis Summary 12 Months Ending December 2021, 2022, 2023

OTHER WATER UTILITIES	2021 Billing Units	2021 Rates	FRII.02d & r Annualized 2021 Revenues			FRII.02i Annualized Valley	2021 Revenues Incl All 2021 Adj	2022 Rates	FRII.02n & r Annualized 2022 Revenues	FRII.02r Change in ICMA	FRII.02t Findlay Township		Present Rate 2022 Revenues	2023 Rates	2023 Usage Adjustment		FRII.02r Proforma Present Rate 2023 Revenues
Group A	(a)	(b)	(a)*(b)	(c)	(d)	(e)	f=(a+c+d+e)*b	(g)	h=(a+c+d+e)*g	(i)	(i)	(k)	k=(a+c+d+e+i+j)*f	(m)	(n)	(o)	p=(a+c+d+e+i+j+m+n)*m
Total Billed Count																	
5/8-METER	0	\$24.70	\$0				\$0	\$25.50	\$0				\$0	\$25.50			\$0
3/4-METER	0	37.10	0				0	38.20	0				0	38.20			(
1-METER	0	61.90	0				0	63.70	0				0	63.70			(
1.5-METER	0	123.60	0				0	127.30	0				0	127.30			(
2-METER	12	197.90	2,375				2,375	203.70	2,444				2,444	203.70			2,444
3-METER	0	370.90	0				0	381.80	0				0	381.80			(
4-METER	11	618.30	6,801				6,801	636.50	7,002				7,002	636.50			7,002
6-METER	46	1,236.40	56,874				56,874	1,272.70	58,544				58,544	1,272.70			58,544
8-METER	33	1,979.20	65,314			(33)	0	2,037.40	0				0	2,037.40			(
10-METER	11	2,843.60	31,280			(11)	0	2,927.00	0				0	2,927.00			C
Usage in Hundred Gallons																	
All Group A Usage	577,035	\$0.7219	\$416,562			(342,000)	\$169,672	\$0.7219	\$169,672				\$169,672	\$0.7219			\$169,672
Group B																	
Total Billed Count																	
5/8-METER	0	\$24.70	\$0				\$0	\$25.50	\$0				\$0	\$25.50			\$0
3/4-METER	0	37.10	0				0	38.20	0				0	38.20			(
1-METER	0	61.90	0				0	63.70	0				0	63.70			(
1.5-METER	0	123.60	0				0	127.30	0				0	127.30			(
2-METER	36	197.90	7,124				7,124	203.70	7,333				7,333	203.70			7,333
3-METER	6	370.90	2,303				2,303	381.80	2,371				2,371	381.80			2,37
4-METER	36	618.30	22,036				22,036	636.50	22,685				22,685	636.50			22,685
6-METER	24	1,236.40	29,451				29,451	1,272.70	30,316	(12)			15,043	1,272.70			15,043
8-METER	0	1,979.20	0				0	2,037.40	0				0	2,037.40			. (
10-METER	0	2,843.60	0				0	2,927.00	0				0	2,927.00			C
Usage in Hundred Gallons																	
All Group B Usage	140,140	\$1.1300	\$158,358				\$158,358	\$1.1300	\$158,358	(135,270)			\$5,503	\$1.1300			\$5,503

Exhbit 10-A Page 45 of 59

Pennsylvania American Water Company Water Bill Analysis Summary 12 Months Ending December 2021, 2022, 2023

SPECIAL CONTRACTS						
WACMA Newtown Artesian						
Evans City						
Oakdale Borough Service Charge Usage Suez Service Charge Usage				Redacted - Refer to Confidential Volume 6d		
ICMA						
Findlay Township						
OWU REVENUES	i	\$2,765,077	\$2,421,594	\$2,514,605	\$2,967,790	\$3,024,400

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 1 - PAWC

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER			
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$17.77	\$20.00	\$2.23	12.57%
100	19.10	21.73	2.63	13.78%
500	24.42	28.64	4.22	17.29%
1,000	31.07	37.28	6.21	19.99%
2,000	44.36	54.55	10.19	22.96%
3,000	57.66	71.83	14.16	24.56%
3,212 *	60.48	75.49	15.01	24.81%
3,500	64.31	80.47	16.15	25.12%
4,000	70.96	89.10	18.14	25.56%
5,000	84.26	106.38	22.12	26.25%
6,000	97.56	123.66	26.10	26.75%
7,000	110.86	140.93	30.07	27.13%
8,000	124.16	158.21	34.05	27.42%
9,000	137.46	175.48	38.03	27.66%
10,000	150.76	192.76	42.00	27.86%
11,000	164.06	210.04	45.98	28.03%
12,000	177.36	227.31	49.96	28.17%
13,000	190.65	244.59	53.93	28.29%
14,000	203.95	261.86	57.91	28.39%
15,000	217.25	279.14	61.89	28.49%
16,000	230.55	296.42	65.86	28.57%
17,000	243.85	313.69	69.84	28.64%
18,000	257.15	330.97	73.82	28.71%
19,000	270.45	348.24	77.79	28.76%
20,000	283.75	365.52	81.77	28.82%
21,000	297.05	382.80	85.75	28.87%
22,000	310.35	400.07	89.73	28.91%
23,000	323.65	417.35	93.70	28.95%
24,000	336.94	434.62	97.68	28.99%
25,000	350.24	451.90	101.66	29.02%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 2 - WINOLA

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER				
CONSUMPTION	-	PRESENT	PROPOSED	INCRE	ASE
GALLONS		RATES	RATES	AMOUNT	PERCENT
(1)		(2)	(3)	(4)	(5)
0		\$33.74	\$20.00	(\$13.74)	-40.71%
100		33.74	21.73	(12.01)	-35.59%
500		33.74	28.64	(5.10)	-15.11%
1,000		33.74	37.28	3.54	10.50%
2,000		33.74	54.55	20.82	61.71%
3,000		33.74	71.83	38.09	112.92%
3,212	*	33.74	75.49	41.76	123.77%
3,500		33.74	80.47	46.73	138.52%
4,000		33.74	89.10	55.37	164.13%
5,000		33.74	106.38	72.64	215.34%
6,000		33.74	123.66	89.92	266.55%
7,000		33.74	140.93	107.20	317.76%
8,000		33.74	158.21	124.47	368.97%
9,000		33.74	175.48	141.75	420.18%
10,000		33.74	192.76	159.02	471.39%
11,000		33.74	210.04	176.30	522.60%
12,000		33.74	227.31	193.58	573.81%
13,000		33.74	244.59	210.85	625.03%
14,000		33.74	261.86	228.13	676.24%
15,000		33.74	279.14	245.40	727.45%
16,000		33.74	296.42	262.68	778.66%
17,000		33.74	313.69	279.96	829.87%
18,000		33.74	330.97	297.23	881.08%
19,000		33.74	348.24	314.51	932.29%
20,000		33.74	365.52	331.78	983.50%
21,000		33.74	382.80	349.06	1034.71%
22,000		33.74	400.07	366.34	1085.92%
23,000		33.74	417.35	383.61	1137.13%
24,000		33.74	434.62	400.89	1188.34%
25,000		33.74	451.90	418.16	1239.55%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 3 - MCEWENSVILLE

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER			
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$17.77	\$20.00	\$2.23	12.57%
100	18.68	21.73	3.05	16.33%
500	22.33	28.64	6.31	28.27%
1,000	26.89	37.28	10.39	38.65%
2,000	36.01	54.55	18.55	51.51%
3,000	45.12	71.83	26.70	59.18%
3,212 *	47.06	75.49	28.43	60.42%
3,500	49.68	80.47	30.78	61.95%
4,000	54.24	89.10	34.86	64.26%
5,000	63.36	106.38	43.02	67.89%
6,000	72.48	123.66	51.17	70.60%
7,000	81.60	140.93	59.33	72.70%
8,000	90.72	158.21	67.49	74.39%
9,000	99.84	175.48	75.64	75.76%
10,000	108.96	192.76	83.80	76.91%
11,000	118.08	210.04	91.96	77.87%
12,000	127.20	227.31	100.11	78.70%
13,000	136.32	244.59	108.27	79.42%
14,000	145.44	261.86	116.42	80.05%
15,000	154.56	279.14	124.58	80.60%
16,000	163.68	296.42	132.74	81.10%
17,000	172.80	313.69	140.89	81.54%
18,000	181.92	330.97	149.05	81.93%
19,000	191.04	348.24	157.21	82.29%
20,000	200.16	365.52	165.36	82.62%
21,000	209.28	382.80	173.52	82.91%
22,000	218.40	400.07	181.68	83.19%
23,000	227.52	417.35	189.83	83.44%
24,000	236.63	434.62	197.99	83.67%
25,000	245.75	451.90	206.15	83.88%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 4 - TURBOTVILLE

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER			
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$17.77	\$20.00	\$2.23	12.57%
100	19.10	21.73	2.63	13.78%
500	24.42	28.64	4.22	17.29%
1,000	31.07	37.28	6.21	19.99%
2,000	44.36	54.55	10.19	22.96%
3,000	57.66	71.83	14.16	24.56%
3,212 *	60.48	75.49	15.01	24.81%
3,500	64.31	80.47	16.15	25.12%
4,000	70.96	89.10	18.14	25.56%
5,000	84.26	106.38	22.12	26.25%
6,000	97.56	123.66	26.10	26.75%
7,000	110.86	140.93	30.07	27.13%
8,000	124.16	158.21	34.05	27.42%
9,000	137.46	175.48	38.03	27.66%
10,000	150.76	192.76	42.00	27.86%
11,000	164.06	210.04	45.98	28.03%
12,000	177.36	227.31	49.96	28.17%
13,000	190.65	244.59	53.93	28.29%
14,000	203.95	261.86	57.91	28.39%
15,000	217.25	279.14	61.89	28.49%
16,000	230.55	296.42	65.86	28.57%
17,000	243.85	313.69	69.84	28.64%
18,000	257.15	330.97	73.82	28.71%
19,000	270.45	348.24	77.79	28.76%
20,000	283.75	365.52	81.77	28.82%
21,000	297.05	382.80	85.75	28.87%
22,000	310.35	400.07	89.73	28.91%
23,000	323.65	417.35	93.70	28.95%
24,000	336.94	434.62	97.68	28.99%
25,000	350.24	451.90	101.66	29.02%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 5 - STEELTON

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER			
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$21.00	\$20.00	(\$1.00)	-4.78%
100	21.00	21.73	0.72	3.44%
500	21.00	28.64	7.63	36.34%
1,000	21.00	37.28	16.27	77.47%
2,000	24.53	54.55	30.03	122.42%
3,000	36.27	71.83	35.56	98.06%
3,212 *	38.76	75.49	36.74	94.79%
3,500	42.14	80.47	38.33	90.97%
4,000	48.01	89.10	41.10	85.61%
5,000	59.75	106.38	46.63	78.05%
6,000	71.49	123.66	52.17	72.98%
7,000	83.23	140.93	57.71	69.34%
8,000	94.97	158.21	63.24	66.60%
9,000	106.70	175.48	68.78	64.46%
10,000	118.44	192.76	74.32	62.74%
11,000	130.18	210.04	79.85	61.34%
12,000	141.92	227.31	85.39	60.16%
13,000	153.66	244.59	90.92	59.17%
14,000	165.40	261.86	96.46	58.32%
15,000	177.14	279.14	102.00	57.58%
16,000	188.88	296.42	107.53	56.93%
17,000	200.62	313.69	113.07	56.36%
18,000	212.36	330.97	118.61	55.85%
19,000	224.10	348.24	124.14	55.39%
20,000	235.84	365.52	129.68	54.98%
21,000	248.80	378.24	129.43	52.02%
22,000	261.77	390.96	129.19	49.35%
23,000	274.73	403.68	128.95	46.94%
24,000	287.69	416.40	128.71	44.74%
25,000	300.65	429.12	128.46	42.73%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 6 - VALLEY WATER

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER			
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$28.99	\$20.00	(\$8.99)	-31.00%
100	28.99	21.52	(7.47)	-25.76%
500	28.99	27.60	(1.39)	-4.78%
1,000	28.99	35.20	6.21	21.44%
2,000	28.99	50.40	21.41	73.88%
3,000	28.99	65.60	36.61	126.32%
3,212 *	28.99	68.82	39.84	137.43%
3,500	29.85	73.20	43.35	145.21%
4,000	34.18	80.80	46.62	136.39%
5,000	42.84	96.00	53.16	124.09%
6,000	51.50	111.20	59.70	115.93%
7,000	60.16	126.40	66.24	110.12%
8,000	68.82	141.60	72.78	105.77%
9,000	77.47	156.80	79.33	102.39%
10,000	86.13	172.00	85.87	99.69%
11,000	94.79	187.20	92.41	97.48%
12,000	103.45	202.40	98.95	95.65%
13,000	112.11	217.60	105.49	94.10%
14,000	120.77	232.80	112.03	92.77%
15,000	129.43	248.00	118.57	91.61%
16,000	138.09	263.20	125.11	90.61%
17,000	146.74	278.40	131.66	89.72%
18,000	155.40	293.60	138.20	88.93%
19,000	164.06	308.80	144.74	88.22%
20,000	172.72	324.00	151.28	87.59%
21,000	181.38	339.20	157.82	87.01%
22,000	190.04	354.40	164.36	86.49%
23,000	198.70	369.60	170.90	86.01%
24,000	207.36	384.80	177.44	85.57%
25,000	216.01	400.00	183.99	85.17%

* Average monthly bill.

Bill at present rate was calculated using DSIC rate @ 3.08% Bill at proposed rate was calculated using DSIC rate @ 0.00%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 1 - PAWC

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
	.	400.00	40.00	
0	\$17.77	\$20.00	\$2.23	12.57%
100	19.10	21.73	2.63	13.78%
500	24.42	28.64	4.22	17.29%
1,000	31.07	37.28	6.21	19.99%
2,000	44.36	54.55	10.19	22.96%
3,000	57.66	71.83	14.16	24.56%
3,500	64.31	80.47	16.15	25.12%
4,000	70.96	89.10	18.14	25.56%
5,000	84.26	106.38	22.12	26.25%
6,000	97.56	123.66	26.10	26.75%
7,000	110.86	140.93	30.07	27.13%
8,000	124.16	158.21	34.05	27.42%
9,000	137.46	175.48	38.03	27.66%
10,000	150.76	192.76	42.00	27.86%
16,000	230.55	296.42	65.86	28.57%
20,000	269.71	347.29	77.58	28.76%
21,000	279.50	360.01	80.51	28.81%
22,000	289.29	372.73	83.44	28.84%
22,561 *	294.78	379.87	85.08	28.86%
23,000	299.08	385.45	86.37	28.88%
23,692	305.85	394.25	88.40	28.90%
24,000	308.87	398.17	89.30	28.91%
25,000	318.66	410.89	92.23	28.94%
26,000	328.45	423.61	95.16	28.97%
27,000	338.24	436.33	98.09	29.00%
28,000	348.03	449.04	101.02	29.03%
29,000	357.82	461.76	103.95	29.05%
30,000	367.61	474.48	106.88	29.07%
40,000	465.50	601.67	136.17	29.25%
50,000	563.40	728.86	165.46	29.37%
60,000	661.29	856.05	194.76	29.45%
70,000	759.19	983.24	224.05	29.51%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 3 - MCEWENSVILLE

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	647 77	620.00	¢2.22	
0	\$17.77	\$20.00	\$2.23	12.57%
100	18.68	21.73	3.05	16.33%
500	22.33	28.64	6.31	28.27%
1,000	26.89	37.28	10.39	38.65%
2,000	36.01	54.55	18.55	51.51%
3,000	45.12	71.83	26.70	59.18%
5,212	47.06	75.49	28.43	60.42%
4,000	54.24	89.10	34.86	64.26%
5,000	63.36	106.38	43.02	67.89%
6,000	72.48	123.66	51.17	70.60%
7,000	81.60	140.93	59.33	72.70%
8,000	90.72	158.21	67.49	74.39%
9,000	99.84	175.48	75.64	75.76%
10,000	108.96	192.76	83.80	76.91%
16,000	163.68	296.42	132.74	81.10%
20,000	200.16	347.29	147.14	73.51%
21,000	209.28	360.01	150.73	72.03%
22,000	218.40	372.73	154.33	70.67%
22,561	223.51	379.87	156.35	69.95%
23,000	227.52	385.45	157.93	69.42%
23,692	233.83	394.25	160.42	68.61%
24,000	236.63	398.17	161.53	68.26%
25,000	245.75	410.89	165.13	67.19%
26,000	254.87	423.61	168.73	66.20%
27,000	263.99	436.33	172.33	65.28%
28,000	273.11	449.04	175.93	64.42%
29,000	282.23	461.76	179.53	63.61%
30,000	291.35	474.48	183.13	62.86%
40,000	382.55	601.67	219.12	57.28%
50,000	473.74	728.86	255.12	53.85%
60,000	564.94	856.05	291.11	51.53%
70,000	656.13	983.24	327.11	49.85%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 4 - TURBOTVILLE

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$17.77	\$20.00	\$2.23	12.57%
100	18.68	,320.00 21.20	2.52	13.50%
500	22.33	21.20	3.67	16.46%
1,000	22.33	32.00	5.11	19.02%
2,000	36.01	44.00	7.99	22.20%
3,000	45.12	44.00 56.00	10.88	22.20%
3,500	49.68	62.00	10.88	24.10%
4,000	54.24	68.00	13.76	25.36%
5,000	63.36	80.00	16.64	26.26%
6,000	72.48	92.00	19.52	26.93%
7,000	81.60	104.00	22.40	27.45%
8,000	90.72	104.00	25.28	27.45%
9,000	99.84	128.00	23.28	27.80%
		128.00	31.04	28.20%
10,000	108.96			
16,000	163.68	212.00	48.32	29.52%
20,000	200.16	260.00	59.84	29.90%
21,000	209.28	272.00	62.72	29.97%
22,000	218.40	284.00	65.60	30.04%
22,501	223.51	290.73	67.22	30.07%
23,000	227.52	296.00	68.48	30.10%
23,692	233.83	304.30	70.48	30.14%
24,000	236.63	308.00	71.37	30.16%
25,000	245.75	320.00	74.25	30.21%
26,000	254.87	332.00	77.13	30.26%
27,000	263.99	344.00	80.01	30.31%
28,000	273.11	356.00	82.89	30.35%
29,000	282.23	368.00	85.77	30.39%
30,000	291.35	380.00	88.65	30.43%
40,000	382.55	500.00	117.45	30.70%
50,000	473.74	620.00	146.26	30.87%
60,000	564.94	740.00	175.06	30.99%
70,000	656.13	860.00	203.87	31.07%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 5 - STEELTON

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL - MONTHLY 5/8 INCH METERS

	BILLS U			
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$21.00	\$20.00	(\$1.00)	-4.78%
100	21.00	21.73	0.72	3.44%
500	21.00	28.64	7.63	36.34%
1,000	21.00	37.28	16.27	77.47%
2,000	24.53	54.55	30.03	122.42%
3,000	36.27	71.83	35.56	98.06%
3,500	42.14	80.47	38.33	90.97%
4,000	48.01	89.10	41.10	85.61%
5,000	59.75	106.38	46.63	78.05%
6,000	71.49	123.66	52.17	72.98%
7,000	83.23	140.93	57.71	69.34%
8,000	94.97	158.21	63.24	66.60%
9,000	106.70	175.48	68.78	64.46%
10,000	118.44	192.76	74.32	62.74%
16,000	188.88	296.42	107.53	56.93%
20,000	235.84	365.52	129.68	54.98%
21,000	248.80	378.24	129.43	52.02%
22,000	261.77	390.96	129.19	49.35%
22,561 *	269.04	398.09	129.06	47.97%
23,000	274.73	403.68	128.95	46.94%
23,692	283.70	412.48	128.78	45.39%
24,000	287.69	416.40	128.71	44.74%
25,000	300.65	429.12	128.46	42.73%
26,000	313.61	441.83	128.22	40.88%
27,000	326.58	454.55	127.98	39.19%
28,000	339.54	467.27	127.73	37.62%
29,000	352.50	479.99	127.49	36.17%
30,000	365.46	492.71	127.25	34.82%
40,000	495.08	619.90	124.82	25.21%
50,000	624.70	747.09	122.39	19.59%
60,000	736.70	874.28	137.58	18.67%
70,000	848.70	1,001.47	152.77	18.00%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 6 - VALLEY WATER

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	ć20.00	ć20.00	(\$2.00)	21.00%
0	\$28.99	\$20.00	(\$8.99)	-31.00%
100	28.99	21.52	(7.47)	-25.76%
500	28.99	27.60	(1.39)	-4.78%
1,000	28.99	35.20	6.21	21.44%
2,000	28.99	50.40	21.41	73.88%
3,000	28.99	65.60	36.61	126.32%
3,500	29.85	73.20	43.35	145.21%
4,000	34.18	80.80	46.62	136.39%
5,000	42.84	96.00	53.16	124.09%
6,000	51.50	111.20	59.70	115.93%
7,000	60.16	126.40	66.24	110.12%
8,000	68.82	141.60	72.78	105.77%
9,000	77.47	156.80	79.33	102.39%
10,000	86.13	172.00	85.87	99.69%
16,000	138.09	263.20	125.11	90.61%
20,000	172.72	324.00	151.28	87.59%
21,000	181.38	339.20	157.82	87.01%
22,000	190.04	354.40	164.36	86.49%
22,561 *	194.90	362.93	168.03	86.22%
23,000	198.70	369.60	170.90	86.01%
23,692	204.69	380.12	175.43	85.71%
24,000	207.36	384.80	177.44	85.57%
25,000	216.01	400.00	183.99	85.17%
26,000	224.67	415.20	190.53	84.80%
27,000	233.33	430.40	197.07	84.46%
28,000	241.99	445.60	203.61	84.14%
29,000	250.65	460.80	210.15	83.84%
30,000	259.31	476.00	216.69	83.57%
40,000	345.90	628.00	282.10	81.56%
50,000	432.48	780.00	347.52	80.35%
60,000	519.07	932.00	412.93	79.55%
70,000	605.66	1,084.00	478.34	78.98%

* Average monthly bill.

Bill at present rate was calculated using DSIC rate @ 3.08%Bill at proposed rate was calculated using DSIC rate @ 0.00%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 7 - SLIBCO

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
0	\$63.55	\$20.00	(\$43.55)	-68.53%
100	65.44	21.73	(43.72)	-66.80%
500	73.02	28.64	(44.38)	-60.78%
1,000	82.49	37.28	(45.21)	-54.81%
2,000	101.43	54.55	(46.88)	-46.22%
3,000	120.37	71.83	(48.54)	-40.33%
3,500	129.84	80.47	(49.37)	-38.03%
4,000	139.31	89.10	(50.21)	-36.04%
5,000	158.25	106.38	(51.87)	-32.78%
6,000	177.19	123.66	(53.53)	-30.21%
7,000	196.13	140.93	(55.20)	-28.14%
8,000	215.07	158.21	(56.86)	-26.44%
9,000	234.01	175.48	(58.53)	-25.01%
10,000	252.95	192.76	(60.19)	-23.80%
16,000	366.59	296.42	(70.17)	-19.14%
20,000	442.35	365.52	(76.83)	-17.37%
21,000	459.13	378.24	(80.89)	-17.62%
22,000	475.91	390.96	(84.95)	-17.85%
22,561 *	485.32	398.09	(87.23)	-17.97%
23,000	492.69	403.68	(89.01)	-18.07%
23,692	504.30	412.48	(91.82)	-18.21%
24,000	509.47	416.40	(93.07)	-18.27%
25,000	526.25	429.12	(97.14)	-18.46%
26,000	543.03	441.83	(101.20)	-18.64%
27,000	559.81	454.55	(105.26)	-18.80%
28,000	576.59	467.27	(109.32)	-18.96%
29,000	593.37	479.99	(113.38)	-19.11%
30,000	610.15	492.71	(117.44)	-19.25%
40,000	777.95	619.90	(158.05)	-20.32%
50,000	945.75	747.09	(198.66)	-21.01%
60,000	1,113.55	874.28	(239.27)	-21.49%
70,000	1,281.35	1,001.47	(279.88)	-21.84%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 1 - PAWC

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES INDUSTRIAL - MONTHLY 2 INCH METERS

	BILLS U	JNDER		
CONSUMPTION	PRESENT	PROPOSED	INCRE	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
(1)	(2)	(3)	(4)	(5)
	4000.00	4000.00	40	10.050/
0	\$206.49	\$232.00	\$25.51	12.35%
1,000	218.96	247.70	28.74	13.13%
2,000	231.42	263.40	31.98	13.82%
3,000	243.88	279.10	35.22	14.44%
4,000	256.35	294.80	38.45	15.00%
5,000	268.81	310.50	41.69	15.51%
10,000	331.13	389.00	57.87	17.48%
16,000	405.91	483.20	77.29	19.04%
20,000	443.84	530.40	86.56	19.50%
30,000	538.67	648.40	109.73	20.37%
40,000	633.50	766.40	132.90	20.98%
50,000	728.33	884.40	156.07	21.43%
60,000	823.16	1,002.40	179.24	21.77%
70,000	917.99	1,120.40	202.41	22.05%
80,000	1,012.82	1,238.40	225.58	22.27%
90,000	1,107.65	1,356.40	248.75	22.46%
100,000	1,202.48	1,474.40	271.92	22.61%
200,000	2,150.78	2,654.40	503.62	23.42%
300,000	3,099.08	3,834.40	735.32	23.73%
400,000	4,047.37	5,014.40	967.03	23.89%
500,000	4,995.67	6,194.40	1,198.73	24.00%
528,207 *	5,263.16	6,527.24	1,264.08	24.02%
600,000	5,943.97	7,374.40	1,430.43	24.07%
700,000	6,689.94	8,324.40	1,634.46	24.43%
800,000	7,435.91	9,274.40	1,838.49	24.72%
900,000	8,181.88	10,224.40	2,042.52	24.96%
1,000,000	8,927.85	11,174.40	2,246.55	25.16%
1,100,000	9,673.82	12,124.40	2,450.58	25.33%
1,200,000	10,419.79	13,074.40	2,654.61	25.48%
1,300,000	11,165.75	14,024.40	2,858.65	25.60%
1,400,000	11,911.72	14,974.40	3,062.68	25.71%
1,500,000	12,657.69	15,924.40	3,266.71	25.81%
· /	,	, -	,	-

* Average monthly bill.

Bill at present rate was calculated using DSIC rate @ 3.08% and EADIT rate @ -1.56% Bill at proposed rate was calculated using DSIC rate @ 0.00% and EADIT rate @ 0.00%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 5 - STEELTON

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES INDUSTRIAL - MONTHLY 2 INCH METERS

		BILLS U	JNDER		
CONSUMPTION	-	PRESENT	PROPOSED	- INCR	EASE
GALLONS		RATES	RATES	AMOUNT	PERCENT
(1)		(2)	(3)	(4)	(5)
0		\$119.67	\$131.70	\$12.03	10.05%
1,000		119.67	148.98	29.30	24.49%
2,000		123.19	166.25	43.06	34.95%
3,000		134.93	183.53	48.59	36.01%
4,000		146.67	200.80	54.13	36.91%
5,000		158.41	218.08	59.67	37.67%
10,000		217.11	304.46	87.35	40.23%
16,000		287.55	408.12	120.57	41.93%
20,000		334.51	477.22	142.71	42.66%
30,000		464.13	604.41	140.28	30.22%
40,000		593.75	731.60	137.85	23.22%
50,000		723.37	858.79	135.42	18.72%
60,000		835.37	985.98	150.61	18.03%
70,000		947.37	1,113.17	165.80	17.50%
80,000		1,059.36	1,240.36	181.00	17.09%
90,000		1,171.36	1,367.55	196.19	16.75%
100,000		1,283.36	1,494.74	211.38	16.47%
200,000		2,403.32	2,766.64	363.32	15.12%
300,000		3,523.29	4,038.54	515.25	14.62%
400,000		4,643.26	5,310.44	667.18	14.37%
500,000		5,763.23	6,582.34	819.11	14.21%
528,207	*	6,079.14	6,941.10	861.96	14.18%
600,000		6,883.20	7,854.24	971.04	14.11%
700,000		8,003.17	9,126.14	1,122.97	14.03%
800,000		9,123.14	10,398.04	1,274.90	13.97%
900,000		10,243.11	11,669.94	1,426.83	13.93%
1,000,000		11,363.07	12,941.84	1,578.77	13.89%
1,100,000		12,483.04	14,213.74	1,730.70	13.86%
1,200,000		13,603.01	15,485.64	1,882.63	13.84%
1,300,000		14,722.98	16,757.54	2,034.56	13.82%
1,400,000		15,842.95	18,029.44	2,186.49	13.80%
1,500,000		16,962.92	19,301.34	2,338.42	13.79%

* Average monthly bill.

Bill at present rate was calculated using DSIC rate @ 3.08% and EADIT rate @ -1.56% Bill at proposed rate was calculated using DSIC rate @ 0.00% and EADIT rate @ 0.00%

PENNSYLVANIA-AMERICAN WATER COMPANY WASTEWATER SSS OPERATIONS SUMMARY OF APPLICATION OF PRESENT AND PROPOSED RATES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2023

Rate Zone	Residential	Commercial	Industrial	Municipal	Bulk	Total Revenues
Present Rate Application						
Zone 1 - Most WW Areas	\$18,352,279	\$4,370,997	\$921,691	\$671,591	\$1,696,375	\$26,012,933
Zone 2 - New Cumberland	1,677,145	317,367		14,602		2,009,115
Zone 5 - Franklin	270,442	44,344		22,043		336,829
Zone 7 - Sadsbury	965,096	115,286		1,852		1,082,235
Zone 8 - Turbotville	202,739	73,672		400		276,810
Zone 9 -Exeter	7,254,836	2,294,388	254,408	40,928	151,244	9,995,803
Zone 11 - Valley Township	2,448,912	262,792		29,663		2,741,367
Zone 12 - Foster Township	517,140	29,580	295,800	0		842,520
	\$31,688,589	\$7,508,426	\$1,471,899	\$781,079	\$1,847,618	\$43,297,612
IPP Surcharge		\$280,483	\$332,365	\$7,735	\$13,340	\$633,924
Other Revenues						\$1,029,618
Total WW SSS	\$31,688,589	\$7,788,910	\$1,804,264	\$788,815	\$1,860,958	\$44,961,154
Proposed Rate Application						
Zone 1 - Most Areas	\$22,207,402	\$5,453,977	\$1,150,783	\$838,475	\$2,117,889	\$31,768,525
Zone 2 - New Cumberland	3,018,044	\$502,884		23,563		3,544,492
Zone 5 - Franklin	314,697	\$51,600		25,650		391,947
Zone 7 - Sadsbury	1,198,644	\$143,982		2,314		1,344,940
Zone 8 - Turbotville	270,054	\$92,022		499		362,575
Zone 9 -Exeter	9,150,677	\$2,866,226	317,996	51,143	188,767	12,574,809
Zone 11 - Valley Township	3,120,988	\$340,346		37,099		3,498,433
Zone 12 - Foster Township	517,140	\$29,580	295,800	0		842,520
Total WW SSS	\$39,797,644	\$9,480,616	\$1,764,579	\$978,744	\$2,306,656	\$54,328,240
IPP Surcharge		\$280,483	\$332,365	\$7,735	\$13,340	\$633,924
Other Revenues						\$1,098,483
Total WW SSS	\$39,797,644	\$9,761,100	\$2,096,944	\$986,480	\$2,319,995	\$56,060,646
Change in Revenues	\$8,109,055	\$1,972,190	\$292,681	\$197,665	\$459,037	\$11,099,492
% Change in Revenues	25.59%	26.27%	19.88%	25.31%	24.84%	25.64%

Residential Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most WW Areas	7,740,897	\$15,799,526	7,569,049	\$736,162	\$18,604,161	7,436,591	\$18,352,279	\$22,207,402	21.00%
Zone 2 - New Cumberland	1,053,447	1,660,603	1,030,061	67,237	1,699,212	1,012,035	1,677,145	3,018,044	80.00%
Zone 5 - Franklin		248,776		10,701	270,442		270,442	314,697	16.00%
Zone 7 - Sadsbury	417,151	926,115	407,890	38,737	978,955	400,752	965,096	1,198,644	24.00%
Zone 8 - Turbotville	91,576	175,489	89,543	8,134	205,559	87,976	202,739	270,054	33.00%
Zone 9 -Exeter	3,082,225	5,948,209	3,013,800	291,049	7,355,354	2,961,058	7,254,836	9,150,677	26.00%
Zone 11 - Valley Township	627,299	2,448,912	627,299	0	2,448,912	627,299	2,448,912	3,120,988	27.00%
Zone 12 - Foster Township		0_		0	517,140		517,140	517,140	0.00%
Total Residential	13,012,596	\$27,207,631	12,737,642	\$1,152,021	\$32,079,736	12,525,711	\$31,688,589	\$39,797,644	26.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 1 - Most WW Areas	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge	230,963	\$11.00	\$2,540,594	230,963	\$11.00	\$104,672	\$2,645,267	230,963	\$11.00	\$2,645,267	\$14.30	\$3,302,772	24.86%
Consumption Charges													
Usage (100 Gallons)	7,108,135	\$1.6467	\$11,704,966	7,108,135	\$1.9494	\$570,892	\$14,427,490	6,950,334	\$1.9494	\$14,119,874	\$2.5340	\$17,612,147	24.73%
Flat (Unmetered)	10,262	\$67.94	\$697,168	10,431	\$78.41	\$33,697	\$851,586	10,431	\$78.41	\$851,586	\$95.00	\$990,939	16.36%
	-, -		,,	., -		1,	,,			,,		,,.	
Low Income:													
Service Charge	14,768	\$11.00	\$162,446	14,768	\$11.00	\$6,693	\$169,139	14,768	\$11.00	\$169,139	\$14.30	\$211,180	24.86%
Consumption Charges												4	
Usage (100 Gallons)	632,762	\$1.6467	\$1,041,970	632,762	\$1.9494	\$50,820	\$1,284,327	618,715	\$1.9494	\$1,256,943	\$2.5340	\$1,567,824	24.73%
Flat (Unmetered)	46	\$67.94	\$3,139	46	\$78.41	\$149	\$3,772	46	\$78.41	\$3,772	\$95.00	\$4,389	16.36%
Low Income Discount (30%)			(\$362,266)			(\$17,299)	(\$437,171)			(\$428,956)			
Low Income Discount Tier 1												(\$784,693)	
Low Income Discount Tier 2												(305,049)	
Low Income Discount Tier 3												(74,367)	
Adjustment (1):													
Flat (Unmetered)	169	\$67.94	\$11,509										
Adjustment (2):													
Usage (100 Gallons)				(157,801)	\$1.9494	(\$12,674)	(\$320,290)	(121,631)	\$1.9494	(\$249,781)	\$2.5340	(\$308,213)	23.39%
Usage (100 Gallons) Low Income				(14,047)	1.3646	(\$790)	(\$19,959)	(10,828)	1.3646	(15,565)			
Usage Low Income Tier 1												(\$3,018)	
Usage Low Income Tier 2												(3,840)	
Usage Low Income Tier 3												(2,670)	
Total Zone 1 Residential			\$15,799,526		-	\$736,162	\$18,604,161		-	\$18,352,279		\$22,207,402	21.01%

Note (1) Adjustment to annualize Delaware Sewer Co acquired in May 2021. Note (2) Adjustment to account for the decline in usage of metered customers.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 2 - New Cumberland	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges Usage (100 Gallons)	33,417 1,036,752	\$11.00 \$1.2300	\$367,584 \$1,275,205	33,417 1,036,752	\$11.00 \$1.2300	\$15,144 \$52,538	\$382,729 \$1,327,743	33,417 1,013,736	\$11.00 \$1.2300	\$382,729 \$1,299,434	\$14.30 \$2.5340	\$477,859 \$2,568,807	24.86% 97.69%
<u>Low Income:</u> Service Charge Consumption Charges Usage (100 Gallons)	447 16,695	\$11.00 \$1.2300	\$4,914 \$20,535	447 16,695	\$11.00 \$1.2300	\$202 \$846	\$5,116 \$21,381	447 16,325	\$11.00 \$1.2300	\$5,116 \$20,926	\$14.30 \$2.5340	\$6,388 \$41,367	24.86% 97.69%
Low Income Discount (30%) Low Income Discount Tier 1 Low Income Discount Tier 2 Low Income Discount Tier 3			(\$7,635)			(\$315)	(\$7,949)			(\$7,813)		(\$21,012) (8,168) (1,991)	
Adjustment (1): Usage (100 Gallons) Usage (100 Gallons) Low Income Usage Low Income Tier 1 Usage Low Income Tier 2 Usage Low Income Tier 3				(23,016) (371)	\$1.2300 0.8610	(\$1,166) (\$13)	(\$29,476) (\$332)	(17,740) (286)	\$1.2300 0.8610	(\$22,987) (259)	\$2.5340	(\$44,954) (\$80) (101) (70)	95.56%
Total Zone 2 Residential		-	\$1,660,603		-	\$67,237	\$1,699,212		=	\$1,677,145		\$3,018,044	79.95%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 5 - Franklin	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Flat (Unmetered)	3,279	\$75.10	\$246,253	3,279	\$78.41	\$10,593	\$267,699	3,279	\$78.41	\$267,699	\$95.00	\$311,505	16.36%
<u>Low Income:</u> Service Charge	48	\$75.10	\$3,605	48	\$78.41	\$155	\$3,919	48	\$78.41	\$3,919	\$95.00	\$4,560	16.36%
Low Income Discount (30%) Low Income Discount Tier 1			(\$1,081)			(\$47)	(\$1,176)			(\$1,176)			
Low Income Discount Tier 2 Low Income Discount Tier 3												(1,368)	
Total Zone 5 Residential		-	\$248,776		-	\$10,701	\$270,442		=	\$270,442		\$314,697	16.36%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 7 - Sadsbury	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge	13,375	\$25.00	\$334,377	13,375	\$11.00	\$6,062	\$153,187	13,375	\$11.00	\$153,187	\$14.30	\$191,264	24.86%
Consumption Charges													
Usage (100 Gallons)	411,575	\$1.4180	\$583,613	411,575	\$1.9494	\$33,056	\$835,380	402,438	\$1.9494	\$817,568	\$2.5340	\$1,019,778	24.73%
<u>Low Income:</u> Service Charge	148	\$25.00	\$3,700	148	\$11.00	\$67	\$1,695	148	\$11.00	\$1,695	\$14.30	\$2,116	24.86%
Consumption Charges	140	\$25.00	\$5,700	140	Ş11.00	307	\$1,055	140	Ş11.00	\$1,095	\$14.50	\$2,110	24.80%
Usage (100 Gallons)	5,576	\$1.4180	\$7,907	5,576	\$1.9494	\$448	\$11,318	5,452	\$1.9494	\$11,077	\$2.5340	\$13,816	24.73%
000ge (100 00.00.0)	5,570	Ŷ1100	<i><i><i>ϕ</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i>,<i>j</i></i></i>	5,575	Ŷ210 10 I	φ i io	<i>\</i> 11)010	3,102	φ10 IS .	<i><i><i>v</i>₂,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i>,<i>v</i></i></i>	¢2.0010	<i>\</i> 20)010	2
Low Income Discount (30%)			(\$3,482)			(\$154)	(\$3,904)			(\$3,832)			
Low Income Discount Tier 1						,	. , ,					(\$7,010)	
Low Income Discount Tier 2												(2,725)	
Low Income Discount Tier 3												(664)	
Adjustment (1):													
Usage (100 Gallons)				(9,137)		(\$734)	(\$18,545)	(7,043)	\$1.9494	(\$14,463)	\$2.5340	(\$17,846)	23.39%
Usage (100 Gallons) Low Income				(124)	1.3646	(\$7)	(\$176)	(95)	1.3646	(\$137)			
Usage Low Income Tier 1												(\$27)	
Usage Low Income Tier 2												(34)	
Usage Low Income Tier 3												(24)	
Total Zone 7 Residential		-	É026 11E		-	620 727	\$978,955		-	\$965,096	.	¢1 109 644	24.20%
i otal zone / Residential		-	\$926,115		=	\$38,737	3978,955		=	\$965,096	:	\$1,198,644	24.20%

	2021 Billing		Annualized 2021	2022 Billing		Proforma DSIC	Proforma 2022	2023 Billing	Present	Proforma 2023	Proposed	Proforma 2023 Revenue	% Percent
Zone 8 - Turbotville	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	3,270	\$11.00	\$35,971	3,270	\$11.00	\$1,482	\$37,453	3,270	\$11.00	\$37,453	\$14.30	\$46,762	24.86%
Usage (100 Gallons)	91,576	\$1.5205	\$139,241	91,576	\$1.8000	\$6,791	\$171,628	89,543	\$1.8000	\$167,969	\$2.5340	\$226,902	35.09%
Low Income:	26	¢11.00	époc	26	¢14.00	ća c	6440	26	644.00	¢142	¢14.20	ÁF 4 F	24.05%
Service Charge	36	\$11.00	\$396	36	\$11.00	\$16	\$412	36	\$11.00	\$412	\$14.30	\$515	24.85%
Consumption Charges Usage (100 Gallons)	0	\$1.5205	\$0	0	\$1.8000	\$0	\$0	0	\$1.8000	\$0	\$2.5340	\$0	0.00%
Low Income Discount (30%)			(\$119)			(\$5)	(\$124)			(\$124)			
Low Income Discount Tier 1													
Low Income Discount Tier 2 Low Income Discount Tier 3												(\$154)	
Adjustment (1): Usage (100 Gallons)				(2,033)	\$1.8000	(\$151)	(\$3,810)	(1,567)	\$1.8000	(\$2,971)	\$2.5340	(\$3,971)	33.63%
Total Zone 8 Residential		-	\$175,489		-	\$8,134	\$205,559		-	\$202,739		\$270,054	33.20%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 9 - Exeter	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges Usage (100 Gallons)	85,718 3,056,208	\$11.00 \$1.5262	\$942,894 \$4,664,385	85,718 3,056,208	\$11.00 \$1.9107	\$38,847 \$240,587	\$981,741 \$6,080,084	85,718	\$11.00 \$1.9107	\$981,741 \$5,950,447	\$14.30 \$2.5340	\$1,225,762 \$7,572,505	24.86% 27.26%
Flat (Unmetered)	4,845	\$63.78	\$309,017	4,845	\$77.07	\$15,384	\$388,792	4,845	\$77.07	\$388,792	\$95.00	\$460,279	18.39%
<u>Low Income:</u> Service Charge Consumption Charges	535	\$11.00	\$5,883	535	\$11.00	\$242	\$6,126	535	\$11.00	\$6,126	\$14.30	\$7,648	24.86%
Usage (100 Gallons)	26,017	\$1.5262	\$39,707	26,017	\$1.9107	\$2,048	\$51,759	25,439	\$1.9107	\$50,655	\$2.5340	\$64,463	27.26%
Low Income Discount (30%) Low Income Discount Tier 1 Low Income Discount Tier 2 Low Income Discount Tier 3			(\$13,677)			(\$687)	(\$17,365)			(\$17,034)		(\$31,729) (12,335) (3,007)	
Adjustment (1): Usage (100 Gallons) Usage (100 Gallons) Low Income Usage Low Income Tier 1 Usage Low Income Tier 2 Usage Low Income Tier 3				(67,848) (578)	\$1.9107 1.3375	(\$5,341) (32)	(\$134,978) (804)	(52,296) (445)	\$1.9107 1.3375	(\$105,264) (\$627)	\$2.5340	(\$132,519) (\$124) (158) (110)	25.89%
Total Zone 9 Residential		-	\$5,948,209		-	\$291,049	\$7,355,354		=	\$7,254,836		\$9,150,677	26.13%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 11 - Valley Township	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge	1,381	\$59.67	\$82,411	19,548	\$59.67		\$1,166,429	19,548	\$59.67	\$1,166,429	\$75.00	\$1,466,100	25.69%
Consumption Charges													
Usage (100 Gallons):													
First 3,400 Gallons	34,711	\$0.0000	\$0	498,108	\$0.0000		\$0	498,108	\$0.0000	\$0	\$0.0000	\$0	
All Over 3,400 Gallons	9,207	1.1200	10,312	129,191	1.1200		144,694	129,191	1.1200	144,694	\$1.4000	180,868	
Flat (Unmetered)	506	\$73.33	\$37,135	15,516	\$73.33		\$1,137,788	15,516	\$73.33	\$1,137,788	\$95.00	\$1,474,020	29.55%
Adjustment (1):													
Service Charge	18,167	\$59.67	\$1,084,018										
Consumption Charges													
Usage (100 Gallons):													
First 3,400 Gallons	463,397	\$0.0000	\$0										
All Over 3,400 Gallons	119,984	1.1200	134,383										
Flat (Unmetered)	15,010	\$73.33	\$1,100,653										
. ,			,										
Total Zone 11 Residential		-	\$2,448,912		-	\$0	\$2,448,912		-	\$2,448,912	· ·	\$3,120,988	27.44%
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Note (1) Adjustment to annualize Valley Township WW acquired in November 2021.

	2021 Billing		Annualized 2021	2022 Billing		Proforma DSIC	Proforma 2022	2023 Billing	Present	Proforma 2023	Proposed	Proforma 2023 Revenue	% Percent
Zone 12 - Foster Township	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	
Flat (Unmetered)			\$0	6,084	\$85.00		\$517,140	6,084	\$85.00	\$517,140	\$85.00	\$517,140	0.00%
Total Zone 12 Residential			\$0		-	\$0	\$517,140		-	\$517,140		\$517,140	0.00%

Commercial Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most WW Areas	2,570,961	\$3,687,873	2,543,709	\$174,203	\$4,402,441	2,521,833	\$4,370,997	\$5,453,977	25.00%
Zone 2 - New Cumberland	210,132	308,912	207,905	12,632	319,227	206,117	317,367	502,884	58.00%
Zone 5 - Franklin		40,791		1,755	44,344		44,344	51,600	16.00%
Zone 7 - Sadsbury	57,250	108,434	56,643	4,590	115,987	56,156	115,286	143,982	25.00%
Zone 8 - Turbotville	32,150	57,518	31,810	2,931	74,065	31,536	73,672	92,022	25.00%
Zone 9 -Exeter	1,494,013	1,810,294	1,478,177	91,511	2,312,644	1,465,464	2,294,388	2,866,226	25.00%
Zone 11 - Valley Township	17,680	262,792	17,680	0	262,792	17,680	262,792	340,346	30.00%
Zone 12 - Foster Township		0		0	29,580		29,580	29,580	0.00%
IPP Surcharge		\$280,483			\$280,483		\$280,483	\$280,483	0.00%
Total Commercial	4,382,187	\$6,557,098	4,335,923	\$287,621	\$7,841,563	4,298,786	\$7,788,910	\$9,761,100	25.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 1 - Most WW Areas	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	19,245	\$27.50	\$529,230	19,245	\$27.50	\$21,804	\$551,034	19,245	\$27.50	\$551,034	\$35.80	\$688,961	25.03%
Usage per 100 Gallons:	2,570,961	\$1.2142	\$3,121,661	2,570,961	\$1.4374	\$152,255	\$3,847,754	2,543,709	\$1.4374	\$3,808,582	\$1.8690	\$4,754,191	24.83%
Flat Rate (Unmetered)	544	\$67.94	\$36,982	544	\$78.41	\$1,758	\$44,439	544	\$78.41	\$44,439	\$95.00	\$51,711	
Adjustment (1): Usage (100 Gallons)				(27,252)	\$1.4374	(\$1,614)	(\$40,786)	(21,876)	\$1.4374	(\$33,058)	\$1.8690	(\$40,886)	23.68%
Total Zone 1 Commercial		-	\$3,687,873			\$174,203	\$4,402,441		-	\$4,370,997		\$5,453,977	24.78%

Note (1) Adjustment to account for the decline in usage of metered customers.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 2 - New Cumberland	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges Usage per 100 Gallons:	3,286 210,132	\$27.50 \$1.0400	\$90,374 \$218,538	3,286 210,132	\$27.50 \$1.0400	\$3,723 \$9,004	\$94,098 \$227,542	3,286 207,905	\$27.50 \$1.0400	\$94,097 \$225,225	\$35.80 \$1.8690	\$117,651 \$388,575	25.03% 72.53%
Adjustment (1): Usage (100 Gallons)				(2,227)	\$1.0400	(\$95)	(\$2,412)	(1,788)	\$1.0400	(\$1,955)	\$1.8690	(\$3,342)	70.94%
Total Zone 2 Commercial		-	\$308,912			\$12,632	\$319,227		=	\$317,367		\$502,884	- 58.46%

	2021 Dilling		Annualized	2022 Dilling		Proforma	Proforma	2022 Billing	Duccout	Proforma	Dressed	Proforma	0/ Demonst
Zone 5 - Franklin	2021 Billing Determinants	2021 Rate	2021 Revenue	2022 Billing Determinants	2022 Rate	DSIC Revenues	2022 Revenue	2023 Billing Determinants	Present Rate	2023 Revenue	Proposed Rate	2023 Revenue @ Proposed Rate	% Percent Change
Flat (Unmetered)	543	\$75.10	\$40,791	543	\$78.41	\$1,755	\$44,344	543	\$78.41	\$44,344	\$95.00	\$51,600	16.36%
Total Zone 5 Commercial			\$40,791			\$1,755	\$44,344		-	\$44,344		\$51,600	16.36%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 7 - Sadsbury	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges Usage per 100 Gallons:	1,090 57,250	\$25.00 \$1.4180	\$27,253 \$81,181	1,090 57,250	\$27.50 \$1.4374	\$1,235 \$3,390	\$31,214 \$85,682	1,090 56,643	\$27.50 \$1.4374	\$31,213 \$84,809	\$35.80 \$1.8690	\$39,026 \$105,866	25.03% 24.83%
Adjustment (1): Usage (100 Gallons)				(607)	\$1.4374	(\$36)	(\$908)	(487)	\$1.4374	(\$736)	\$1.8690	(\$910)	23.68%
Total Zone 7 Commercial			\$108,434			\$4,590	\$115,987		-	\$115,286		\$143,982	- 24.89%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 8 - Turbotville	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges Usage per 100 Gallons:	924 32,150	\$20.00 \$1.2142	\$18,481 \$39,037	924 32,150	\$27.50 \$1.4374	\$1,047 \$1,904	\$26,458 \$48,117	924 31,810	\$27.50 \$1.4374	\$26,458 \$47,627	\$35.80 \$1.8690	\$33,081 \$59,452	25.03% 24.83%
Adjustment (1): Usage (100 Gallons)				(341)	\$1.4374	(\$20)	(\$510)	(274)	\$1.4374	(\$413)	\$1.8690	(\$511)	23.74%
Total Zone 8 Commercial		-	\$57,518			\$2,931	\$74,065		-	\$73,672		\$92,022	24.91%

Note (1) Adjustment to account for the decline in usage of metered customers.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 9 - Exeter	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	3,193	\$27.50	\$87,818	3,193	\$27.50	\$3,618	\$91,436	3,193	\$27.50	\$91,436	\$35.80	\$114,323	25.03%
Usage per 100 Gallons:	1,494,013	\$1.1471	\$1,713,782	1,494,013	\$1.4361	\$88,397	\$2,233,949	1,478,177	\$1.4361	\$2,211,206	\$1.8690	\$2,762,712	24.94%
Flat Rate (Unmetered)	136	\$63.78	\$8,694	136	\$77.07	\$433	\$10,939	136	\$77.07	\$10,939	\$95.00	\$12,950	18.39%
Adjustment (1): Usage (100 Gallons)				(15,837)	\$1.4361	(\$937)	(\$23,680)	(12,712)	\$1.4361	(\$19,193)	\$1.8690	(\$23,759)	23.79%
Total Zone 9 Commercial		-	\$1,810,294			\$91,511	\$2,312,644		=	\$2,294,388		\$2,866,226	24.92%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 11 - Valley Township	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge	6	\$59.67	\$354	132	\$59.67		\$7,876	132	\$59.67	\$7,876	\$75.00	\$9,900	25.70%
Consumption Charges													
First 3,400 Gallons	96	\$0.0000	\$0	1,911	\$0.0000		\$0	1,911	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 3,400 Gallons	124	1.1200	139	14,685	1.1200		16,447	14,685	1.1200	16,447	1.4000	20,558	25.00%
Westwood Fire Company													
All Usage (100 Gallons):	80	\$0.0000	\$0	408	\$0.0000		\$0	408	\$0.0000	\$0	\$0.0000	\$0	0.00%
First 3,400 Gallons				677	0.0000		0	677	0.0000	0	1.4000	948	0.00%
All Over 3,400 Gallons													
Flat Rate (Unmetered)	140	\$73.33	\$10,236	3,252	\$73.33		\$238,469	3,252	\$73.33	\$238,469	\$95.00	\$308,940	29.55%
Adjustment (1):													
Service Charge	126	\$59.67	\$7,523										
Consumption Charges	120	<i>\$33.07</i>	<i>\$1,525</i>										
Usage (100 Gallons):													
First 3,400 Gallons	1,815	\$0.0000	\$0										
All Over 3,400 Gallons	14,561	1.1200	16,308										
Adjustment (2):													
Consumption Charges													
Usage (100 Gallons):													
First 3,400 Gallons	328	\$0.0000	\$0										
All Over 3,400 Gallons	677	0.0000	0										
Flat (Unmetered)	3,112	\$73.33	\$228,233										
Flat (Unmetered)	3,112	\$73.33	\$228,233										
Total Zone 11 Commercial		-	\$262,792			\$0	\$262,792		-	\$262,792		\$340,346	- 29.51%
		=							=				•

Note (1) Adjustment to annualize Valley Township WW acquired in November 2021. Note (2) Adjustment to annualize Westwood Fire Company usage.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 12 - Foster Township	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Flat (Unmetered)			\$0	348	\$85.00		\$29,580	348	\$85.00	\$29,580	\$85.00	\$29,580	0.00%
Total Zone 12 Commercial		-	\$0			\$0	\$29,580		-	\$29,580		\$29,580	0.00%

Industrial Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most WW Areas Zone 2 - New Cumberland Zone 5 - Franklin Zone 7 - Sadsbury Zone 8 - Turbotville	690,263	\$863,314	690,263	\$36,471	\$921,691	690,263	\$921,691	\$1,150,783	25.00%
Zone 9 - Furbotvine Zone 9 -Exeter Zone 11 - Valley Township Zone 12 - Foster Township	167,844	195,834 0	167,844	10,067 0	254,408 295,800	167,844	254,408 295,800	317,996 295,800	25.00% 0.00%
IPP Surcharge		\$332,365			\$332,365		\$332,365	\$332,365	0.00%
Total Industrial	858,107	\$1,391,513	858,107	\$46,538	\$1,804,264	858,107	\$1,804,264	\$2,096,944	16.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 1 - Most WW Areas	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge	8	\$27.50	\$220	8	\$27.50	\$9	\$229	8	\$27.50	\$229	\$35.80	\$286	25.03%
Consumption Charges													
Usage per 100 Gallons:	13	\$1.2142	\$16	13	\$1.4374	\$1	\$19	13	\$1.4374	\$19	\$1.8690	\$24	24.87%
Special Rate:													
Mittal Steel & Victory Bewing		6275 00	¢6,600	24	¢275.00	6272	¢c 070		¢275.00	¢c 070	6257.00	ć0 5 60	
Service Charge	24	\$275.00	\$6,600	24	\$275.00	\$272	\$6,872	24	\$275.00	\$6,872	\$357.00	\$8,568	
Usage (100 Gallons)	690,250	0.9300	641,933	690,250	0.9300	26,448	668,380	690,250	0.9300	668,380	1.2090	834,512	
Special Rate (Flat):													
Knouse Foods	12	\$5,030.03	\$60,360	12	\$5,558.41	\$2,748	\$69,449	12	\$5,558.41	\$69,449	\$7,226.00	\$86,712	
Penn State Special Metals	11	1,737.57	19,113	12	1,912.95	946	23,901	12	1,912.95	23,901	2,487.00	29,844	
PSC Metals	11	672.71	7,400	12	740.61	366	9,253	12	740.61	9,253	963.00	11,556	
Koppel Steel	12	10,438.49	125,262	12	11,492.09	5,682	143,587	12	11,492.09	143,587	14,940.00	179,280	
Adjustments (1):													
Penn State Special Metals	1	\$1,737.57	\$1,738										
PSC Metals	1	672.71	673										
Total Zone 1 Industrial		-	¢962 214			\$26 A71	\$921,691		-	\$021 601	.	¢1 1E0 793	24.86%
Total Zone I moustrial		=	\$863,314			\$36,471	\$921,691		=	\$921,691	:	\$1,150,783	24.80%
											l		

Note (1): Adjustments to annualize Penn State Special Metals and PSC Metals 11 months bills in 2021.

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 9 - Exeter WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges Usage per 100 Gallons:	120 167,844	\$27.50 \$1.1471	\$3,300 \$192,534	120 167,844	\$27.50 \$1.4361	\$136 \$9,931	\$3,436 \$250,972	120 167,844	\$27.50 \$1.4361	\$3,436 \$250,972	\$35.80 \$1.8690	\$4,296 \$313,700	25.03% 24.99%
Total Zone 9 Industrial		-	\$195,834			\$10,067	\$254,408		-	\$254,408		\$317,996	24.99%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 12 - Foster Township	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Flat (Unmetered)			\$0	3,480	\$85.00	\$0	\$295,800	3,480	\$85.00	\$295,800	\$85.00	\$295,800	0.00%
Total Zone 12 Industrial			\$0			\$0	\$295,800		=	\$295,800		\$295,800	0.00%

Municipal Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most WW Areas	406,987	\$558,659	403,609	\$26,754	\$676,116	400,461	\$671,591	\$838,475	25.00%
Zone 2 - New Cumberland	10,477	14,196	10,390	581	14,687	10,309	14,602	23,563	61.00%
Zone 5 - Franklin		20,277		872	22,043		22,043	25,650	16.00%
Zone 7 - Sadsbury	616	1,698	611	74	1,859	606	1,852	2,314	25.00%
Zone 8 - Turbotville	38	286	38	16	400	37	400	499	25.00%
Zone 9 -Exeter	26,485	32,253	26,266	1,631	41,222	26,061	40,928	51,143	25.00%
Zone 11 - Valley Township	25,559	29,663	25,559	0	29,663	25,559	29,663	37,099	25.00%
Zone 12 - Foster Township									0.00%
IPP Surcharge		\$7,735			\$7,735		\$7,735	\$7,735	0.00%
Total Municipal	470,162	\$664,768	466,472	\$29,928	\$793,726	463,033	\$788,815	\$986,480	25.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 1 - Most WW Areas	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	712	\$27.50	\$19,571	712	\$27.50	\$806	\$20,377	712	\$27.50	\$20,377	\$35.80	\$25,477	25.03%
Usage per 100 Gallons:	406,987	\$1.2142	\$494,164	406,987	\$1.4374	\$24,102	\$609,105	403,609	\$1.4374	\$604,250	\$1.8690	\$754,345	24.84%
Special Rate: Strattanville Borough	12	\$3,743.74	\$44,925	12	\$4,137.00	\$2,045	\$51,689	12	\$4,137.00	\$51,689	\$5,378.00	\$64,536	24.85%
Adjustment (1): Usage (100 Gallons)				(3,378)	\$1.4374	(\$200)	(\$5,056)	(3,148)	\$1.4374	(\$4,725)	\$1.8690	(\$5,884)	24.52%
Total Zone 1 Municipal		-	\$558,659			\$26,754	\$676,116		=	\$671,591	· ·	\$838,475	24.85%

Note (1) Adjustment to account for the decline in usage of metered customers.

Zone 2 - New Cumberland	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma DSIC Revenues	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
Service Charge Consumption Charges Usage per 100 Gallons:	120 10,477	\$27.50 \$1.0400	\$3,300 \$10,896	120 10,477	\$27.50 \$1.0400	\$136 \$449	\$3,436 \$11,345	120 10,390	\$27.50 \$1.0400	\$3,436 \$11,255	\$35.80 \$1.8690	\$4,296 \$19,419	25.03% 72.54%
Adjustment (1): Usage (100 Gallons)				(87)	\$1.0400	(\$4)	(\$94)	(81)	\$1.0400	(\$88)	\$1.8690	(\$151)	72.09%
Total Zone 2 Municipal			\$14,196			\$581	\$14,687		=	\$14,602		\$23,563	61.37%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 5 - Franklin	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Flat (Unmetered)	270	\$75.10	\$20,277	270	\$78.41	\$872	\$22,043	270	\$78.41	\$22,043	\$95.00	\$25,650	16.36%
Total Zone 5 Municipal		-	\$20,277			\$872	\$22,043		=	\$22,043		\$25,650	16.36%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 7 - Sadsbury	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	33	\$25.00 \$1.4180	\$825 \$873	33	\$27.50 \$1.4374	\$37 \$36	\$945 \$922	33	\$27.50 \$1.4374	\$945 \$915	\$35.80 \$1.8690	\$1,181	25.03% 24.84%
Usage per 100 Gallons:	010	ŞI.416U	\$875	010	\$1.4574	220	\$92Z	011	\$1.4574	\$915	\$1.0090	\$1,142	24.64%
Adjustment (1): Usage (100 Gallons)				(5)	\$1.4374	(\$0)	(\$8)	(5)	\$1.4374	(\$7)	\$1.8690	(\$9)	24.65%
Total Zone 7 Municipal			\$1,698			\$74	\$1,859		-	\$1,852		\$2,314	- 24.94% =

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 8 - Turbotville	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge	12	\$20.00	\$240	12	\$27.50	\$14	\$344	12	\$27.50	\$344	\$35.80	\$430	25.03%
Consumption Charges													
Usage per 100 Gallons:	38	\$1.2142	\$46	38	\$1.4374	\$2	\$57	38	\$1.4374	\$56	\$1.8690	\$70	24.84%
Adjustment (1):													
Usage (100 Gallons)				(0)	\$1.4374	(\$0)	(\$0)	(0)	\$1.4374	(\$0)	\$1.8690	(\$1)	22.73%
			<u> </u>						_	<u> </u>	.	<u>.</u>	
Total Zone 8 Municipal		:	\$286			\$16	\$400		=	\$400	:	\$499	25.00%

Note (1) Adjustment to account for the decline in usage of metered customers.

	2021 Dilling		Annualized	2022 Dilling		Proforma	Proforma	2022 Billing	Dresent	Proforma 2023	Deserved	Proforma	0/ Descent
Zone 9 - Exeter	2021 Billing Determinants	2021 Rate	2021 Revenue	2022 Billing Determinants	2022 Rate	DSIC Revenues	2022 Revenue	2023 Billing Determinants	Present Rate	Revenue	Proposed Rate	2023 Revenue @ Proposed Rate	% Percent Change
Zone 9 - Liter	Determinants	2021 Nate	Revenue	Determinants	2022 Nate	Nevenues	Revenue	Determinants	Nate	Revenue	Nate	@ FTOPOSEd Nate	Change
Service Charge	68	\$27.50	\$1,871	68	\$27.50	\$77	\$1,948	68	\$27.50	\$1,948	\$35.80	\$2,436	25.03%
Consumption Charges						4							
Usage per 100 Gallons:	26,485	\$1.1471	\$30,381	26,485	\$1.4361	\$1,567	\$39,603	26,266	\$1.4361	\$39,287	\$1.8690	\$49,090	24.95%
Adjustment (1):													
Usage (100 Gallons)				(220)	\$1.4361	(\$13)	(\$329)	(205)	\$1.4361	(\$307)	\$1.8690	(\$383)	24.63%
Total Zone 9 Municipal			\$32,253			\$1,631	\$41,222		-	\$40,928	· ·	\$51,143	24.96%
									=		· · · · ·		:

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 11 - Valley WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	1	\$59.67	\$41	48	\$59.67		\$2,864	48	\$59.67	\$2,864	\$75.00	\$3,600	25.69%
First 3,400 Gallons	23	\$0.0000	\$0	1,631	\$0.0000		\$0	1,631	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 3,400 Gallons	107	1.1200	120	23,928	1.1200		26,799	23,928	1.1200	26,799	\$1.4000	33,499	25.00%
Adjustment (1): Service Charge Consumption Charges Usage (100 Gallons):	47	\$59.67	\$2,823										
First 3,400 Gallons	1,608		\$0										
All Over 3,400 Gallons Total Zone 11 Municipal	23,821	1.1200 - -	26,679 \$29,663			\$0	\$29,663		-	\$29,663		\$37,099	- 25.07% -

Bulk WW Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	2023 Revenues Proforma @ Present Rate	2023 Revenues Proforma @ Proposed Rate	% Percent Change
Zone 1 - Most WW Areas Zone 2 - New Cumberland Zone 5 - Franklin Zone 7 - Sadsbury Zone 8 - Turbotville	1,667,636	\$1,626,756	1,667,636	\$67,125	\$1,696,375	1,667,636	\$1,696,375	\$2,117,889	25.00%
Zone 9 - Exeter Zone 11 - Valley Township Zone 12 - Foster Township	435,951	124,508	435,951	5,985	151,244	435,951	151,244	188,767	25.00% 0.00%
IPP Surcharge		\$13,340			\$13,340		\$13,340	\$13,340	0.00%
Total Bulk WW	2,103,587	\$1,764,603	2,103,587	\$73,110	\$1,860,958	2,103,587	\$1,860,958	\$2,319,995	25.00%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 1 - Most WW Areas	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges	48	\$275.00	\$13,079	36	\$275.00	\$408	\$10,308	36	\$275.00	\$10,308	\$357.00	\$12,852	24.68%
Usage per 100 Gallons:	4,937,437	\$0.9639	\$4,759,196	1,659,396	\$0.9639	\$65,899	\$1,665,391	1,659,396	\$0.9639	\$1,665,391	\$1.2530	\$2,079,223	24.85%
Service Charge Consumption Charges Usage per 100 Gallons:	345 8,240	\$11.00 1.6467	\$3,795 13,569	345 8,240	\$11.00 1.9494	\$156 662	\$3,951 16,725	345 8,240	\$11.00 1.9494	\$3,951 16,725	\$14.30 2.5340	\$4,934 20,880	24.86% 24.85%
Adjustment (1): Service Charge Consumption Charges Usage per 100 Gallons:	(12) (3,278,041)	\$275.00 \$0.9639	(\$3,179) (\$3,159,704)										
Total Zone 1 Bulk WW		-	1,626,756			67,125	1,696,375		-	1,696,375		2,117,889	24.85%

Note (1) Adjustment for Valley Township change from bulk wastewater to direct services to customers

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 9 - Exeter WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Consumption Charges Usage per 100 Gallons: Adjustment (1): Consumption Charges	327,986	\$0.2856 0.2856	\$93,673 30,835	435,951	\$0.3332	\$5,985	\$151,244	435,951	\$0.3332	\$151,244	\$0.4330	\$188,767	24.81%
Usage per 100 Gallons:	201,000	0.2000	50,000						_				
Total Zone 9 Bulk WW		=	\$124,508			\$5,985	\$151,244		=	\$151,244		\$188,767	24.81%

Note (1) Adjustment to account for the 4th quarter bill for an account which posted January 2022.

PENNSYLVANIA-AMERICAN WATER COMPANY MISCELLANEOUS AND OTHER OPERATING REVENUES WASTEWATER SSS OPERATIONS YEAR ENDING DECEMBER 31, 2021, 2022, AND 2023

		Per Books 2021	Adjustments	Adjusted 2021	Adjustments	2022	Adjustments	2023	Proposed 2023
536	Guaranteed Revenues	\$0		\$0		\$0		\$0	\$0
532	Late Payment Fees	142,977	91,670	234,647	42,419	277,066	(2,801)	274,265	343,129
536	Miscellaneous Services	755,354		755,354		755,354		755,354	755,354
472	Rents From Property	0		0		0		0	0
473	Intercompany Rent	0		0		0		0	0
	Total Other Revenues	\$898,331	\$91,670	\$990,001	\$42,419	\$1,032,420	(\$2,801)	\$1,029,618	\$1,098,483

Pennsylvania American Water Company Wastewater Bill Analysis Summary

12 Months Ending December 2021, 2022, 2023

				FR II.2j & m									
			FRII.02d	Annualized		Annualized		FRII.02n	FR II.02h	FRII.02u	Proforma	FR II.02h	Proforma
	2021	2021	Annualized	Valley WW &		2021 Revenues	2022	Annualized	2022 Usage	Foster	Present Rate	2023 Usage	Present Rate
RESIDENTIAL CLASS	Billing Units	Rates	Rate Change	DE Sewer Co		Incl Acq	Rates	2022 Revenues	Adjustment	Township	2022 Revenues	Adjustment	2023 Revenues
	(a)	(b)	(a)*(b)	(c)		(d) = (a+c)*b	(e)	(f) = (a+c)*e	(g)	(h)	(i)=(a+c+g+h)*e	(j)	(k) = (a+c+g+h+j)*e
Rate Zone 1 - Most Areas	220.052	¢11.00	62 5 40 50 4			62 540 504	611.00	62 5 40 504			62 540 504		62 540 504
Service Charge	230,963	\$11.00	\$2,540,594			\$2,540,594	\$11.00	\$2,540,594			\$2,540,594		\$2,540,594
Usage (100 Gallons)	7,108,135	\$1.6467	11,704,966			11,704,966	\$1.9494	13,856,598	(157,801)		13,548,982	(121,631)	13,311,875
Flat (Unmetered)	10,262	\$67.94	697,168		169	708,678	\$78.41	817,889			817,889		817,889
Low Income:													
Service Charge	14,768	\$7.70	\$113,712			\$113,712	\$7.70	\$113,712			\$113,712		\$113,712
Usage (100 Gallons)	632,762	\$1.1527	729,379			729,379	\$1.3646	863,455	(14,047)		844,286	(10,828)	829,511
Flat (Unmetered)	46	\$47.56	2,197			2,197	\$54.89	2,536			2,536		2,536
Rate Zone 2 - New Cumberland													
Service Charge	33,417	\$11.00	\$367,584			\$367,584	\$11.00	\$367,584			\$367,584		\$367,584
Usage (100 Gallons)	1,036,752	\$1.2300	1,275,205			1,275,205	\$1.2300	1,275,205	(23,016)		1,246,895	(17,740)	1,225,075
Low Income:													
Service Charge	447	\$7.70	\$3,440			\$3,440	\$7.70	\$3,440			\$3,440		\$3,440
Usage (100 Gallons)	16,695	\$0.8610	14,375			14,375	\$0.8610	14,375	(371)		14,056	(286)	13,810
Rate Zone 5 - Franklin WW													
Flat (Unmetered)	3,279	\$75.10	\$246,253			\$246,253	\$78.41	\$257,106			\$257,106		\$257,106
Low Income (Flat)	48	\$52.57	2,523			2,523	\$54.89	2,635			2,635		2,635
Rate Zone 7 - Sadsbury													
Service Charge	13,375	\$25.00	\$334,377			\$334,377	\$11.00	\$147,126			\$147,126		\$147,126
Usage (100 Gallons)	411,575	\$1.4180	583,613			583,613	\$1.9494	802,324	(9,137)		784,512	(7,043)	770,783
Low Income:													
Service Charge	148	\$17.50	\$2,590			\$2,590	\$7.70	\$1,140			\$1,140		\$1,140
Usage (100 Gallons)	5,576	\$0.9926	5,535			5,535	\$1.3646	7,609	(124)		7,440	(95)	7,310
Rate Zone 8 - Turbotville													
Service Charge	3,270	\$11.00	\$35,971			\$35,971	\$11.00	\$35,971			\$35,971		\$35,971
Usage (100 Gallons)	91,576	\$1.5205	139,241			139,241	\$1.8000	164,837	(2,033)		161,177	(1,567)	158,357
Low Income:													
Service Charge	36	\$7.70	\$277			\$277	\$7.70	\$277			\$277		\$277

Pennsylvania American Water Company

. Wastewater Bill Analysis Summary 12 Months Ending December 2021, 2022, 2023

Rate Zone 9 - Exeter												
Service Charge	85,718	\$11.00	\$942,894		\$942,894	\$11.00	\$942,894			\$942,894		\$942,894
Usage (100 Gallons)	3,056,208	\$1.5262	4,664,385		4,664,385	\$1.9107	5,839,497	(67,848)		5,709,860	(52,296)	5,609,937
Flat (Unmetered)	4,845	\$63.78	309,017		309,017	\$77.07	373,407			373,407		373,407
Low Income:												
Service Charge	535	\$7.70	\$4,118		\$4,118	\$7.70	\$4,118			\$4,118		\$4,118
Usage (100 Gallons)	26,017	\$1.0683	27,795		27,795	\$1.3375	34,797	(578)		34,025	(445)	33,430
Rate Zone 11 - Valley Township												
Minimum Charge	1,381	\$59.67	\$82,411	18,167	\$1,166,429	\$59.67	\$1,166,429			\$1,166,429		\$1,166,429
Usage (100 Gallons)	_,	+	+/		+-,,	1	+=)===) ===			+-,,		+-,,
Firs 3400 Gallons	34,711	\$0.0000	\$0	463,397	\$0	\$0.0000	\$0			\$0		\$0
All Over 3400 Gallons	9,207	\$1.1200	10,312	119,984	144,694	\$1.1200	144,694			144,694		144,694
	43,918			- ,	,		,			,		,
Flat (Unmetered)	506	\$73.3300	\$37,135	15,010	\$1,137,788	\$73.3300	\$1,137,788			\$1,137,788		\$1,137,788
Low Income:												
Service Charge	0	\$41.77	\$0		\$0	\$41.77	\$0			\$0		\$0
Rate Zone 12 - Foster Township												
Flat (Unmetered)						\$85.00			6,084	\$517,140		\$517,140
RESIDENTIAL REVENUES		-	\$24,877,067	_	\$27,207,631	-	\$30,918,038		_	\$30,927,715	_	\$30,536,569
NESIDENTIAL NEVENUES		_		_	<i>ş21,201,031</i>		<i>430,310,030</i>			<i>\$30,321,113</i>	_	930,330,30 <u>9</u>

Pennsylvania American Water Company Wastewater Bill Analysis Summary

12 Months Ending December 2021, 2022, 2023

COMMERCIAL CLASS	2021 Billing Units	2021 Rates	FRII.02d Annualized Rate Change	FR II.2j Annualized Valley WW	FRII.02v Annualized 2021 Revenues	2022 Rates	FRII.02n Annualized 2022 Revenues	FR II.02h 2022 Usage Adjustment	FRII.02u Foster Township	Present Rate 2022 Revenues	FR II.02h 2023 Usage Adjustment	Proforma Present Rate 2023 Revenues
	(a)	(b)	(a)*(b)	(c)	(d) = (a+c)*b	(e)	(f) = (a+c)*e	(g)	(h)	(i)=(a+c+g+h)*e	(j)	(k) = (a+c+g+h+j)*e
Rate Zone 1 - Most Areas												
Service Charge	19,245	\$27.50	\$529,230		\$529,230	\$27.50	\$529,230			\$529,230		\$529,230
Usage (100 Gallons)	2,570,961	\$1.2142	3,121,661		3,121,661	\$1.4374	3,695,499	(27,252)		3,656,327	(21,876)	3,624,882
Flat (Unmetered)	544	\$67.94	36,982		36,982	\$78.41	42,681			42,681		42,681
Rate Zone 2 - New Cumberland												
Service Charge	3,286	\$27.50	\$90,374		\$90,374	\$27.50	\$90,374			\$90,374		\$90,374
Usage (100 Gallons)	210,132	\$1.0400	218,538		218,538	\$1.0400	218,538	(2,227)		216,221	(1,788)	214,362
Rate Zone 5 - Franklin WW												
Flat (Unmetered)	543	\$75.10	\$40,791		\$40,791	\$78.41	\$42,589			\$42,589		\$42,589
Rate Zone 7 - Sadsbury												
Service Charge	1,090	\$25.00	\$27,253		\$27,253	\$27.50	\$29,978			\$29,978		\$29,978
Usage (100 Gallons)	57,250	\$1.4180	81,181		81,181	\$1.4374	82,291	(607)		81,419	(487)	80,719
Rate Zone 8 - Turbotville												
Service Charge	924	\$20.00	\$18,481		\$18,481	\$27.50	\$25,411			\$25,411		\$25,411
Usage (100 Gallons)	32,150	\$1.2142	39,037		39,037	\$1.4374	46,213	(341)		45,723	(274)	45,330
Rate Zone 9 - Exeter												
Service Charge	3,193	\$27.50	\$87,818		\$87,818	\$27.50	\$87,818			\$87,818		\$87,818
Usage (100 Gallons)	1,494,013	\$1.1471	1,713,782		1,713,782	\$1.4361	2,145,552	(15,837)		2,122,809	(12,712)	2,104,553
Flat (Unmetered)	136	\$63.78	8,694		8,694	\$77.07	10,506			10,506		10,506
Rate Zone 11 - Valley Township												
Minimum Charge Usage (100 Gallons)	6	\$59.67	\$354	126	\$7,876	\$59.67	\$7,876			\$7,876		\$7,876
Firs 3400 Gallons	96	\$0.0000	\$0	1,815	\$0	\$0.0000	\$0			\$0		\$0
All Over 3400 Gallons	124	\$1.1200	139	14,561	16,447	\$1.1200	16,447			16,447		16,447
	220			16,375								
Westwood Fire Company		40.005-			<i>k</i> -	40.0005				-		
All Usage	80	\$0.0000		1,005	\$0	\$0.0000	\$0			0		\$0
Flat (Unmetered)	140	\$73.33	\$10,236	3,112	\$238,469	\$73.33	\$238,469			\$238,469		\$238,469
Rate Zone 12 - Foster Township												
Flat (Unmetered)						\$85.00			348	\$29,580		\$29,580
COMMERCIAL REVENUES		I	\$6,024,551		\$6,276,614		\$7,309,473		I	\$7,273,459		\$7,220,806

Pennsylvania American Water Company

Wastewater Bill Analysis Summary

INDUSTRIAL CLASS	2021 Billing Units	2021 Rates	FRII.02d Annualized Rate Change	FR II.2r Annualized Specific Cust. Adj.	FRII.02v Annualized 2021 Revenues	2022 Rates	FRII.02n Annualized 2022 Revenues	FR II.02h 2022 Usage Adjustment	FRII.02u Foster Township	Present Rate 2022 Revenues	FR II.02h 2023 Usage Adjustment	Proforma Present Rate 2023 Revenues
	(a)	(b)	(a)*(b)	(c)	(d) = (a+c)*b	(e)	(f) = (a+c)*e	(g)	(h)	(i)=(a+c+g+h)*e	(j)	(k) = (a+c+g+h+j)*e
Rate Zone 1 - Most Areas												
Service Charge	8	\$27.50	\$220		\$220	\$27.50	\$220			\$220		\$220
Usage (100 Gallons)	13	\$1.2142	16		16	\$1.4374	19			19		19
Special Rate:												
Mittal Steel & Victory Bewing												
Service Charge	24	\$275.00	\$6,600		\$6,600	\$275.00	\$6,600			\$6,600		\$6,600
Usage (100 Gallons)	690,250	0.9300	641,933		641,933	0.9300	641,933			641,933		641,933
Special Rate (Flat):												
Knouse Foods	12	\$5,030.03	\$60,360		\$60,360	\$5,558.41	\$66,701			\$66,701		\$66,701
Penn State Special Metals	11	1,737.57	19,113	1.00	20,851	1,912.95	22,955			22,955		22,955
PSC Metals	11	672.71	7,400	1.00	8,073	740.61	8,887			8,887		8,887
Koppel Steel	12	10,438.49	125,262		125,262	11,492.09	137,905			137,905		137,905
Rate Zone 9 - Exeter												
Service Charge	120	\$27.50	\$3,300		\$3,300	\$27.50	\$3,300			\$3,300		\$3,300
Usage (100 Gallons)	167,844	\$1.1471	192,534		192,534	\$1.4361	241,041			241,041		241,041
Rate Zone 12 - Foster Township												
Flat (Unmetered)						\$85.00			3,480	\$295,800		\$295,800
		-	44 000 000			_	44 400 504		-			4
INDUSTRIAL REVENUES			\$1,056,737		\$1,059,148		\$1,129,561			\$1,425,361		\$1,425,361

Pennsylvania American Water Company Wastewater Bill Analysis Summary

12 Months Ending December 2021, 2022, 2023

MUNICIPAL CLASS	2021 Billing Units	2021 Rates	FRII.02d Annualized Rate Change	FR II.2j Annualized Valley WW	FRII.02v Annualized 2021 Revenues	2022 Rates	FRII.02n Annualized 2022 Revenues	FR II.02h 2022 Usage Adjustment	FRII.02u Foster Township	Present Rate 2022 Revenues	FR II.02h 2023 Usage Adjustment	Proforma Present Rate 2023 Revenues
-	(a)	(b)	(a)*(b)	(c)	(d) = (a+c)*b	(e)	(f) = (a+c)*e	(g)	(h)	(i)=(a+c+g+h)*e	(j)	(k) = (a+c+g+h+j)*e
Rate Zone 1 - Most Areas												
Service Charge	712	\$27.50	\$19,571		\$19,571	\$27.50	\$19,571			\$19,571		\$19,571
Usage (100 Gallons)	406,987	\$1.2142	494,164		494,164	\$1.4374	585,003	(3,378)		580,148	(3,148)	575,622
Special Rate (Flat):												
Strattanville Borough	12	\$3,743.74	\$44,925		\$44,925	\$4,137.00	\$49,644			\$49,644		\$49,644
Rate Zone 2 - New Cumberland												
Service Charge	120	\$27.50	\$3,300		\$3,300	\$27.50	\$3,300			\$3,300		\$3,300
Usage (100 Gallons)	10,477	\$1.0400	10,896		10,896	\$1.0400	10,896	(87)		10,806	(81)	10,721
Rate Zone 5 - Franklin WW												
Flat (Unmetered)	270	\$75.10	\$20,277		\$20,277	\$78.41	\$21,171			\$21,171		\$21,171
Rate Zone 7 - Sadsbury												
Service Charge	33	\$25.00	\$825		\$825	\$27.50	\$908			\$908		\$908
Usage (100 Gallons)	616	\$1.4180	873		873	\$1.4374	885	(5)		878	(5)	871
Rate Zone 8 - Turbotville												
Service Charge	12	\$20.00	\$240		\$240	\$27.50	\$330			\$330		\$330
Usage (100 Gallons)	38	\$1.2142	46		46	\$1.4374	55	(0)		54	(0)	54
Rate Zone 9 - Exeter												
Service Charge	68	\$27.50	\$1,871		\$1,871	\$27.50	\$1,871			\$1,871		\$1,871
Usage (100 Gallons)	26,485	\$1.1471	30,381		30,381	\$1.4361	38,036	(220)		37,720	(205)	37,426
Rate Zone 11 - Valley Township												
Minimum Charge	1	\$59.67	\$41	47	\$2,864	\$59.67	\$2,864			\$2,864		\$2,864
Usage (100 Gallons)												
Firs 3400 Gallons	23	\$0.0000	\$0	1,608	\$0	\$0.0000	\$0			\$0		\$0
All Over 3400 Gallons	107 130	\$1.1200	120	23,821 25,429	26,799	\$1.1200	26,799			26,799		26,799
MUNICIPAL REVENUES		I	\$627,530	I	\$657,033		\$761,332		I	\$756,063		\$751,152

Pennsylvania American Water Company Wastewater Bill Analysis Summary

12 Months Ending December 2021, 2022, 2023

BULK WW CLASS	2021 Billing Units	2021 Rates	FRII.02d Annualized Rate Change	FR II.2j, FR II.2r Annualized Valley WW & Specific Cust Adj.	FRII.02v Annualized 2021 Revenues	2022 Rates	FRII.02n Annualized 2022 Revenues	FR II.02h 2022 Usage Adjustment	FRII.02u Foster Township	Present Rate 2022 Revenues	FR II.02h 2023 Usage Adjustment	Proforma Present Rate 2023 Revenues
	(a)	(b)	(a)*(b)	(c)	(d) = (a+c)*b	(e)	(f) = (a+c)*e	(g)	(h)	(i)=(a+c+g+h)*e	(j)	(k) = (a+c+g+h+j)*e
Rate Zone 1 - Most Areas												
Service Charge	48	\$275.00	\$13,079	(12)	\$9,900	\$275.00	\$9,900			\$9,900		\$9,900
Usage (100 Gallons)	4,937,437	\$0.9639	4,759,196	(3,278,041)	1,599,492	\$0.9639	1,599,492			1,599,492		1,599,492
Service Charge	345	\$11.00	\$3,795		\$3,795	\$11.00	\$3,795			\$3,795		\$3,795
Usage (100 Gallons)	8,240	\$1.6467	13,569		13,569	\$1.9494	16,063			16,063		16,063
Rate Zone 9 - Exeter												
Usage (100 Gallons)	327,986	\$0.2856	\$93,673	107,965	\$124,508	\$0.3332	\$145,259			\$145,259		\$145,259
BULK WW REVENUES		I	\$4,883,311		\$1,751,263		\$1,774,509		I	\$1,774,509	I	\$1,774,509

PENNSYLVANIA-AMERICAN WATER COMPANY WASTEWATER SSS OPERATIONS

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 1 RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS			
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$11.45	\$14.30	2.85	24.86%
100	13.48	16.83	3.35	24.85%
500	21.60	26.97	5.37	24.85%
1,000	31.75	39.64	7.89	24.85%
2,000	52.05	64.98	12.93	24.85%
3,000	72.34	90.32	17.98	24.85%
3,212 *	76.65	95.69	19.04	24.85%
3,500	82.49	102.99	20.50	24.85%
4,000	92.64	115.66	23.02	24.85%
5,000	112.94	141.00	28.06	24.85%
6,000	133.24	166.34	33.10	24.85%
7,000	153.53	191.68	38.15	24.85%
8,000	173.83	217.02	43.19	24.85%
9,000	194.13	242.36	48.23	24.85%
10,000	214.42	267.70	53.28	24.85%
11,000	234.72	293.04	58.32	24.85%
12,000	255.02	318.38	63.36	24.85%
13,000	275.32	343.72	68.40	24.85%
14,000	295.61	369.06	73.45	24.85%
15,000	315.91	394.40	78.49	24.85%
16,000	336.21	419.74	83.53	24.85%
17,000	356.50	445.08	88.58	24.85%
18,000	376.80	470.42	93.62	24.85%
19,000	397.10	495.76	98.66	24.85%
20,000	417.40	521.10	103.70	24.85%
21,000	437.69	546.44	108.75	24.85%
22,000	457.99	571.78	113.79	24.85%
23,000	478.29	597.12	118.83	24.85%
24,000	498.58	622.46	123.88	24.85%
25,000	518.88	647.80	128.92	24.85%

* Average monthly bill.

Bill at present rate was calculated using DSIC rate @ 4.12% Bill at proposed rate was calculated using DSIC rate @ 0.00%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 2 NEW CUMBERLAND RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$11.45	\$14.30	2.85	24.86%
100	12.73	16.83	4.10	32.20%
500	17.86	26.97	9.11	51.04%
1,000	24.26	39.64	15.38	63.40%
2,000	37.07	64.98	27.91	75.31%
3,000	49.87	90.32	40.45	81.10%
3,212	* 52.59	95.69	43.10	81.96%
3,500	56.28	102.99	46.71	83.01%
4,000	62.68	115.66	52.98	84.52%
5,000	75.49	141.00	65.51	86.79%
6,000	88.29	166.34	78.05	88.39%
7,000	101.10	191.68	90.58	89.59%
8,000	113.91	217.02	103.11	90.52%
9,000	126.71	242.36	115.65	91.27%
10,000	139.52	267.70	128.18	91.87%
11,000	152.33	293.04	140.71	92.37%
12,000	165.13	318.38	153.25	92.80%
13,000	177.94	343.72	165.78	93.17%
14,000	190.75	369.06	178.31	93.48%
15,000	203.55	394.40	190.85	93.76%
16,000	216.36	419.74	203.38	94.00%
17,000	229.17	445.08	215.91	94.22%
18,000	241.97	470.42	228.45	94.41%
19,000	254.78	495.76	240.98	94.58%
20,000	267.59	521.10	253.51	94.74%
21,000	280.40	546.44	266.04	94.88%
22,000	293.20	571.78	278.58	95.01%
23,000	306.01	597.12	291.11	95.13%
24,000	318.82	622.46	303.64	95.24%
25,000	331.62	647.80	316.18	95.34%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 5 FRANKLIN RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCREASE	
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$81.64	\$95.00	13.36	16.36%
100	81.64	95.00	13.36	16.36%
500	81.64	95.00	13.36	16.36%
1,000	81.64	95.00	13.36	16.36%
2,000	81.64	95.00	13.36	16.36%
3,000	81.64	95.00	13.36	16.36%
3,212 *	81.64	95.00	13.36	16.36%
3,500	81.64	95.00	13.36	16.36%
4,000	81.64	95.00	13.36	16.36%
5,000	81.64	95.00	13.36	16.36%
6,000	81.64	95.00	13.36	16.36%
7,000	81.64	95.00	13.36	16.36%
8,000	81.64	95.00	13.36	16.36%
9,000	81.64	95.00	13.36	16.36%
10,000	81.64	95.00	13.36	16.36%
11,000	81.64	95.00	13.36	16.36%
12,000	81.64	95.00	13.36	16.36%
13,000	81.64	95.00	13.36	16.36%
14,000	81.64	95.00	13.36	16.36%
15,000	81.64	95.00	13.36	16.36%
16,000	81.64	95.00	13.36	16.36%
17,000	81.64	95.00	13.36	16.36%
18,000	81.64	95.00	13.36	16.36%
19,000	81.64	95.00	13.36	16.36%
20,000	81.64	95.00	13.36	16.36%
21,000	81.64	95.00	13.36	16.36%
22,000	81.64	95.00	13.36	16.36%
23,000	81.64	95.00	13.36	16.36%
24,000	81.64	95.00	13.36	16.36%
25,000	81.64	95.00	13.36	16.36%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 7 SADSBURY RESIDENTIAL - MONTHLY 5/8 INCH METERS

CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$11.00	\$14.30	3.30	30.00%
100	12.95	16.83	3.88	30.00%
500	20.75	26.97	6.22	29.99%
1,000	30.49	39.64	9.15	29.99%
2,000	49.99	64.98	14.99	29.99%
3,000	69.48	90.32	20.84	29.99%
3,212 *	73.61	95.69	22.08	29.99%
3,500	79.23	102.99	23.76	29.99%
4,000	88.98	115.66	26.68	29.99%
5,000	108.47	141.00	32.53	29.99%
6,000	127.96	166.34	38.38	29.99%
7,000	147.46	191.68	44.22	29.99%
8,000	166.95	217.02	50.07	29.99%
9,000	186.45	242.36	55.91	29.99%
10,000	205.94	267.70	61.76	29.99%
11,000	225.43	293.04	67.61	29.99%
12,000	244.93	318.38	73.45	29.99%
13,000	264.42	343.72	79.30	29.99%
14,000	283.92	369.06	85.14	29.99%
15,000	303.41	394.40	90.99	29.99%
16,000	322.90	419.74	96.84	29.99%
17,000	342.40	445.08	102.68	29.99%
18,000	361.89	470.42	108.53	29.99%
19,000	381.39	495.76	114.37	29.99%
20,000	400.88	521.10	120.22	29.99%
21,000	420.37	546.44	126.07	29.99%
22,000	439.87	571.78	131.91	29.99%
23,000	459.36	597.12	137.76	29.99%
24,000	478.86	622.46	143.60	29.99%
25,000	498.35	647.80	149.45	29.99%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 8 TURBOTVILLE RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS UNDER			
CONSUMPTION	PRESENT	PROPOSED	11	NCREASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$11.00	\$14.30	3.30	30.00%
100	12.80	16.83	4.03	31.52%
500	20.00	26.97	6.97	34.85%
1,000	29.00	39.64	10.64	36.69%
2,000	47.00	64.98	17.98	38.26%
3,000	65.00	90.32	25.32	38.95%
3,212 *	68.82	95.69	26.88	39.05%
3,500	74.00	102.99	28.99	39.18%
4,000	83.00	115.66	32.66	39.35%
5,000	101.00	141.00	40.00	39.60%
6,000	119.00	166.34	47.34	39.78%
7,000	137.00	191.68	54.68	39.91%
8,000	155.00	217.02	62.02	40.01%
9,000	173.00	242.36	69.36	40.09%
10,000	191.00	267.70	76.70	40.16%
11,000	209.00	293.04	84.04	40.21%
12,000	227.00	318.38	91.38	40.26%
13,000	245.00	343.72	98.72	40.29%
14,000	263.00	369.06	106.06	40.33%
15,000	281.00	394.40	113.40	40.36%
16,000	299.00	419.74	120.74	40.38%
17,000	317.00	445.08	128.08	40.40%
18,000	335.00	470.42	135.42	40.42%
19,000	353.00	495.76	142.76	40.44%
20,000	371.00	521.10	150.10	40.46%
21,000	389.00	546.44	157.44	40.47%
22,000	407.00	571.78	164.78	40.49%
23,000	425.00	597.12	172.12	40.50%
24,000	443.00	622.46	179.46	40.51%
25,000	461.00	647.80	186.80	40.52%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 9 EXETER RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$11.00	\$14.30	3.30	30.00%
100	12.91	16.83	3.92	30.39%
500	20.55	26.97	6.42	31.22%
1,000	30.11	39.64	9.53	31.66%
2,000	49.21	64.98	15.77	32.04%
3,000	68.32	90.32	22.00	32.20%
3,212 *	72.37	95.69	23.32	32.22%
3,500	77.87	102.99	25.12	32.25%
4,000	87.43	115.66	28.23	32.29%
5,000	106.54	141.00	34.47	32.35%
6,000	125.64	166.34	40.70	32.39%
7,000	144.75	191.68	46.93	32.42%
8,000	163.86	217.02	53.16	32.45%
9,000	182.96	242.36	59.40	32.46%
10,000	202.07	267.70	65.63	32.48%
11,000	221.18	293.04	71.86	32.49%
12,000	240.28	318.38	78.10	32.50%
13,000	259.39	343.72	84.33	32.51%
14,000	278.50	369.06	90.56	32.52%
15,000	297.61	394.40	96.80	32.52%
16,000	316.71	419.74	103.03	32.53%
17,000	335.82	445.08	109.26	32.54%
18,000	354.93	470.42	115.49	32.54%
19,000	374.03	495.76	121.73	32.54%
20,000	393.14	521.10	127.96	32.55%
21,000	412.25	546.44	134.19	32.55%
22,000	431.35	571.78	140.43	32.55%
23,000	450.46	597.12	146.66	32.56%
24,000	469.57	622.46	152.89	32.56%
25,000	488.68	647.80	159.13	32.56%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 11 VALLEY TOWNSHIP RESIDENTIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT PROPOSED		INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$59.67	\$75.00	15.33	25.69%
100	59.67	75.00	15.33	25.69%
500	59.67	75.00	15.33	25.69%
1,000	59.67	75.00	15.33	25.69%
2,000	59.67	75.00	15.33	25.69%
3,000	59.67	75.00	15.33	25.69%
3,212 *	59.67	75.00	15.33	25.69%
3,500	60.79	76.40	15.61	25.68%
4,000	66.39	83.40	17.01	25.62%
5,000	77.59	97.40	19.81	25.53%
6,000	88.79	111.40	22.61	25.46%
7,000	99.99	125.40	25.41	25.41%
8,000	111.19	139.40	28.21	25.37%
9,000	122.39	153.40	31.01	25.34%
10,000	133.59	167.40	33.81	25.31%
11,000	144.79	181.40	36.61	25.28%
12,000	155.99	195.40	39.41	25.26%
13,000	167.19	209.40	42.21	25.25%
14,000	178.39	223.40	45.01	25.23%
15,000	189.59	237.40	47.81	25.22%
16,000	200.79	251.40	50.61	25.21%
17,000	211.99	265.40	53.41	25.19%
18,000	223.19	279.40	56.21	25.18%
19,000	234.39	293.40	59.01	25.18%
20,000	245.59	307.40	61.81	25.17%
21,000	256.79	321.40	64.61	25.16%
22,000	267.99	335.40	67.41	25.15%
23,000	279.19	349.40	70.21	25.15%
24,000	290.39	363.40	73.01	25.14%
25,000	301.59	377.40	75.81	25.14%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 12 FOSTER TOWNSHIP RESIDENTIAL - MONTHLY 5/8 INCH METERS

CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$85.00	\$85.00	0.00	0.00%
100	85.00	85.00	0.00	0.00%
500	85.00	85.00	0.00	0.00%
1,000	85.00	85.00	0.00	0.00%
2,000	85.00	85.00	0.00	0.00%
3,000	85.00	85.00	0.00	0.00%
3,212 *	85.00	85.00	0.00	0.00%
3,500	85.00	85.00	0.00	0.00%
4,000	85.00	85.00	0.00	0.00%
5,000	85.00	85.00	0.00	0.00%
6,000	85.00	85.00	0.00	0.00%
7,000	85.00	85.00	0.00	0.00%
8,000	85.00	85.00	0.00	0.00%
9,000	85.00	85.00	0.00	0.00%
10,000	85.00	85.00	0.00	0.00%
11,000	85.00	85.00	0.00	0.00%
12,000	85.00	85.00	0.00	0.00%
13,000	85.00	85.00	0.00	0.00%
14,000	85.00	85.00	0.00	0.00%
15,000	85.00	85.00	0.00	0.00%
16,000	85.00	85.00	0.00	0.00%
17,000	85.00	85.00	0.00	0.00%
18,000	85.00	85.00	0.00	0.00%
19,000	85.00	85.00	0.00	0.00%
20,000	85.00	85.00	0.00	0.00%
21,000	85.00	85.00	0.00	0.00%
22,000	85.00	85.00	0.00	0.00%
23,000	85.00	85.00	0.00	0.00%
24,000	85.00	85.00	0.00	0.00%
25,000	85.00	85.00	0.00	0.00%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 1 COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER							
CONSUMPTION	P	PRESENT PROPOSED		D		INCREAS	SE
GALLONS		RATES	RATES		AMOUN	١T	PERCENT
0		\$28.63	\$35.8	0	7.2	17	25.03%
100		30.13	37.6	7	7.5	54	25.02%
500		36.12	45.1	5	9.0	03	25.00%
1,000		43.60	54.4	9	10.8	89	24.98%
2,000		58.57	73.1	8	14.6	61	24.95%
3,000		73.53	91.8	7	18.3	34	24.94%
3,500		81.01	101.2	2	20.2	20	24.93%
4,000		88.50	110.5	6	22.0	06	24.93%
5,000		103.46	129.2	5	25.7	79	24.92%
6,000		118.43	147.9	4	29.5	51	24.92%
7,000		133.40	166.6	3	33.2	23	24.91%
8,000		148.36	185.3	2	36.9	96	24.91%
9,000		163.33	204.0	1	40.6	68	24.91%
10,000		178.30	222.7	0	44.4	40	24.91%
16,000		268.09	334.8	4	66.7	75	24.90%
20,000		327.96	409.6	0	81.6	64	24.89%
21,000		342.92	428.2	9	85.3	37	24.89%
22,000		357.89	446.9	8	89.0	09	24.89%
22,561	*	366.29	457.4	7	91.3	18	24.89%
23,000		372.86	465.6	7	92.8	81	24.89%
23,692		383.21	478.6	0	95.3	39	24.89%
24,000		387.82	484.3	6	96.5	54	24.89%
25,000		402.79	503.0	5	100.2	26	24.89%
26,000		417.75	521.7	4	103.9	99	24.89%
27,000		432.72	540.4	3	107.7	71	24.89%
28,000		447.69	559.1	2	111.4	43	24.89%
29,000		462.65	577.8	1	115.3	16	24.89%
30,000		477.62	596.5	0	118.8	88	24.89%
40,000		627.28	783.4	0	156.3	12	24.89%
50,000		776.94	970.3	0	193.3	36	24.89%
60,000		926.61	1,157.2	0	230.5	59	24.89%
70,000	1	,076.27	1,344.1	0	267.8	83	24.89%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 2 NEW CUMBERLAND COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$28.63	\$35.80	7.17	25.03%
100	29.72	37.67	7.95	26.76%
500	34.05	45.15	11.10	32.60%
1,000	39.46	54.49	15.03	38.08%
2,000	50.29	73.18	22.89	45.52%
3,000	61.12	91.87	30.75	50.31%
3,500	66.53	101.22	34.68	52.13%
4,000	71.95	110.56	38.61	53.67%
5,000	82.78	129.25	46.47	56.15%
6,000	93.60	147.94	54.34	58.05%
7,000	104.43	166.63	62.20	59.56%
8,000	115.26	185.32	70.06	60.78%
9,000	126.09	204.01	77.92	61.80%
10,000	136.92	222.70	85.78	62.65%
16,000	201.89	334.84	132.95	65.85%
20,000	245.20	409.60	164.40	67.05%
21,000	256.03	428.29	172.26	67.28%
22,000	266.86	446.98	180.12	67.50%
22,561	* 272.93	457.47	184.53	67.61%
23,000	277.69	465.67	187.98	67.70%
23,692	285.18	478.60	193.42	67.82%
24,000	288.52	484.36	195.84	67.88%
25,000	299.35	503.05	203.71	68.05%
26,000	310.17	521.74	211.57	68.21%
27,000	321.00	540.43	219.43	68.36%
28,000	331.83	559.12	227.29	68.50%
29,000	342.66	577.81	235.15	68.63%
30,000	353.49	596.50	243.01	68.75%
40,000	461.77	783.40	321.63	69.65%
50,000	570.06	970.30	400.24	70.21%
60,000	678.34	1,157.20	478.86	70.59%
70,000	786.63	1,344.10	557.47	70.87%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 5 FRANKLIN COMMERCIAL - MONTHLY 5/8 INCH METERS

BILLS UNDER				
CONSUMPTION	PRESENT	PROPOSED	INCREASE	
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$81.64	\$95.00	13.36	16.36%
100	81.64	95.00	13.36	16.36%
500	81.64	95.00	13.36	16.36%
1,000	81.64	95.00	13.36	16.36%
2,000	81.64	95.00	13.36	16.36%
3,000	81.64	95.00	13.36	16.36%
3,500	81.64	95.00	13.36	16.36%
4,000	81.64	95.00	13.36	16.36%
5,000	81.64	95.00	13.36	16.36%
6,000	81.64	95.00	13.36	16.36%
7,000	81.64	95.00	13.36	16.36%
8,000	81.64	95.00	13.36	16.36%
9,000	81.64	95.00	13.36	16.36%
10,000	81.64	95.00	13.36	16.36%
16,000	81.64	95.00	13.36	16.36%
20,000	81.64	95.00	13.36	16.36%
21,000	81.64	95.00	13.36	16.36%
22,000	81.64	95.00	13.36	16.36%
22,561 *	81.64	95.00	13.36	16.36%
23,000	81.64	95.00	13.36	16.36%
23,692	81.64	95.00	13.36	16.36%
24,000	81.64	95.00	13.36	16.36%
25,000	81.64	95.00	13.36	16.36%
26,000	81.64	95.00	13.36	16.36%
27,000	81.64	95.00	13.36	16.36%
28,000	81.64	95.00	13.36	16.36%
29,000	81.64	95.00	13.36	16.36%
30,000	81.64	95.00	13.36	16.36%
40,000	81.64	95.00	13.36	16.36%
50,000	81.64	95.00	13.36	16.36%
60,000	81.64	95.00	13.36	16.36%
70,000	81.64	95.00	13.36	16.36%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 7 SADSBURY COMMERCIAL - MONTHLY 5/8 INCH METERS

CONSUMPTION	PRESENT	PRESENT PROPOSED		EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$27.50	\$35.80	8.30	30.18%
100	28.94	37.67	8.73	30.17%
500	34.69	45.15	10.46	30.15%
1,000	41.87	54.49	12.62	30.13%
2,000	56.25	73.18	16.93	30.10%
3,000	70.62	91.87	21.25	30.09%
3,500	77.81	101.22	23.41	30.08%
4,000	85.00	110.56	25.56	30.08%
5,000	99.37	129.25	29.88	30.07%
6,000	113.74	147.94	34.20	30.06%
7,000	128.12	166.63	38.51	30.06%
8,000	142.49	185.32	42.83	30.06%
9,000	156.87	204.01	47.14	30.05%
10,000	171.24	222.70	51.46	30.05%
16,000	257.48	334.84	77.36	30.04%
20,000	314.98	409.60	94.62	30.04%
21,000	329.35	428.29	98.94	30.04%
22,000	343.73	446.98	103.25	30.04%
22,561	* 351.79	457.47	105.67	30.04%
23,000	358.10	465.67	107.57	30.04%
23,692	368.05	478.60	110.55	30.04%
24,000	372.48	484.36	111.88	30.04%
25,000	386.85	503.05	116.20	30.04%
26,000	401.22	521.74	120.52	30.04%
27,000	415.60	540.43	124.83	30.04%
28,000	429.97	559.12	129.15	30.04%
29,000	444.35	577.81	133.46	30.04%
30,000	458.72	596.50	137.78	30.04%
40,000	602.46	783.40	180.94	30.03%
50,000	746.20	970.30	224.10	30.03%
60,000	889.94	1,157.20	267.26	30.03%
70,000	1,033.68	1,344.10	310.42	30.03%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 8 TURBOTVILLE COMMERCIAL - MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	IN	CREASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$27.50	\$35.80	8.30	30.18%
100	28.94	37.67	8.73	30.17%
500	34.69	45.15	10.46	30.15%
1,000	41.87	54.49	12.62	30.13%
2,000	56.25	73.18	16.93	30.10%
3,000	70.62	91.87	21.25	30.09%
3,500	77.81	101.22	23.41	30.08%
4,000	85.00	110.56	25.56	30.08%
5,000	99.37	129.25	29.88	30.07%
6,000	113.74	147.94	34.20	30.06%
7,000	128.12	166.63	38.51	30.06%
8,000	142.49	185.32	42.83	30.06%
9,000	156.87	204.01	47.14	30.05%
10,000	171.24	222.70	51.46	30.05%
16,000	257.48	334.84	77.36	30.04%
20,000	314.98	409.60	94.62	30.04%
21,000	329.35	428.29	98.94	30.04%
22,000	343.73	446.98	103.25	30.04%
22,561	* 351.79	457.47	105.67	30.04%
23,000	358.10	465.67	107.57	30.04%
23,692	368.05	478.60	110.55	30.04%
24,000	372.48	484.36	111.88	30.04%
25,000	386.85	503.05	116.20	30.04%
26,000	401.22	521.74	120.52	30.04%
27,000	415.60	540.43	124.83	30.04%
28,000	429.97	559.12	129.15	30.04%
29,000	444.35	577.81	133.46	30.04%
30,000	458.72	596.50	137.78	30.04%
40,000	602.46	783.40	180.94	30.03%
50,000	746.20	970.30	224.10	30.03%
60,000	889.94	1,157.20	267.26	30.03%
70,000	1,033.68	1,344.10	310.42	30.03%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 9 EXETER COMMERCIAL - MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$27.50	\$35.80	8.30	30.18%
100	28.94	37.67	8.73	30.18%
500	34.68	45.15	10.46	30.17%
1,000	41.86	54.49	12.63	30.17%
2,000	56.22	73.18	16.96	30.16%
3,000	70.58	91.87	21.29	30.16%
3,500	77.76	101.22	23.45	30.16%
4,000	84.94	110.56	25.62	30.16%
5,000	99.31	129.25	29.95	30.15%
6,000	113.67	147.94	34.27	30.15%
7,000	128.03	166.63	38.60	30.15%
8,000	142.39	185.32	42.93	30.15%
9,000	156.75	204.01	47.26	30.15%
10,000	171.11	222.70	51.59	30.15%
16,000	257.28	334.84	77.56	30.15%
20,000	314.72	409.60	94.88	30.15%
21,000	329.08	428.29	99.21	30.15%
22,000	343.44	446.98	103.54	30.15%
22,561	* 351.50	457.47	105.97	30.15%
23,000	357.80	465.67	107.87	30.15%
23,692	367.74	478.60	110.86	30.15%
24,000	372.16	484.36	112.20	30.15%
25,000	386.53	503.05	116.53	30.15%
26,000	400.89	521.74	120.85	30.15%
27,000	415.25	540.43	125.18	30.15%
28,000	429.61	559.12	129.51	30.15%
29,000	443.97	577.81	133.84	30.15%
30,000	458.33	596.50	138.17	30.15%
40,000	601.94	783.40	181.46	30.15%
50,000	745.55	970.30	224.75	30.15%
60,000	889.16	1,157.20	268.04	30.15%
70,000	1,032.77	1,344.10	311.33	30.15%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 11 VALLEY TOWNSHIP COMMERCIAL - MONTHLY 5/8 INCH METERS

	BILLS U	NDER		
CONSUMPTION	PRESENT	PROPOSED		INCREASE
GALLONS	RATES	RATES	AMOU	NT PERCENT
0	\$59.67	\$75.00	15.3	33 25.69%
100	59.67	75.00	15.3	33 25.69%
500	59.67	75.00	15.3	33 25.69%
1,000	59.67	75.00	15.3	33 25.69%
2,000	59.67	75.00	15.3	33 25.69%
3,000	59.67	75.00	15.3	33 25.69%
3,500	60.79	76.40	15.6	61 25.68%
4,000	66.39	83.40	17.0	01 25.62%
5,000	77.59	97.40	19.8	81 25.53%
6,000	88.79	111.40	22.0	61 25.46%
7,000	99.99	125.40	25.4	41 25.41%
8,000	111.19	139.40	28.2	21 25.37%
9,000	122.39	153.40	31.0	25.34%
10,000	133.59	167.40	33.8	81 25.31%
16,000	200.79	251.40	50.6	61 25.21%
20,000	245.59	307.40	61.8	81 25.17%
21,000	256.79	321.40	64.6	61 25.16%
22,000	267.99	335.40	67.4	41 25.15%
22,561	* 274.27	343.25	68.9	98 25.15%
23,000	279.19	349.40	70.2	21 25.15%
23,692	286.94	359.09	72.2	15 25.14%
24,000	290.39	363.40	73.0	01 25.14%
25,000	301.59	377.40	75.8	81 25.14%
26,000	312.79	391.40	78.6	61 25.13%
27,000	323.99	405.40	81.4	41 25.13%
28,000	335.19	419.40	84.2	21 25.12%
29,000	346.39	433.40	87.0	01 25.12%
30,000	357.59	447.40	89.8	81 25.12%
40,000	469.59	587.40	117.8	81 25.09%
50,000	581.59	727.40	145.8	81 25.07%
60,000	693.59	867.40	173.8	81 25.06%
70,000	805.59	1,007.40	201.8	81 25.05%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 12 FOSTER TOWNSHIP COMMERCIAL - MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCRI	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$85.00	\$85.00	0.00	0.00%
100	85.00	85.00	0.00	0.00%
500	85.00	85.00	0.00	0.00%
1,000	85.00	85.00	0.00	0.00%
2,000	85.00	85.00	0.00	0.00%
3,000	85.00	85.00	0.00	0.00%
3,500	85.00	85.00	0.00	0.00%
4,000	85.00	85.00	0.00	0.00%
5,000	85.00	85.00	0.00	0.00%
6,000	85.00	85.00	0.00	0.00%
7,000	85.00	85.00	0.00	0.00%
8,000	85.00	85.00	0.00	0.00%
9,000	85.00	85.00	0.00	0.00%
10,000	85.00	85.00	0.00	0.00%
16,000	85.00	85.00	0.00	0.00%
20,000	85.00	85.00	0.00	0.00%
21,000	85.00	85.00	0.00	0.00%
22,000	85.00	85.00	0.00	0.00%
22,561	[°] 85.00	85.00	0.00	0.00%
23,000	85.00	85.00	0.00	0.00%
23,692	85.00	85.00	0.00	0.00%
24,000	85.00	85.00	0.00	0.00%
25,000	85.00	85.00	0.00	0.00%
26,000	85.00	85.00	0.00	0.00%
27,000	85.00	85.00	0.00	0.00%
28,000	85.00	85.00	0.00	0.00%
29,000	85.00	85.00	0.00	0.00%
30,000	85.00	85.00	0.00	0.00%
40,000	85.00	85.00	0.00	0.00%
50,000	85.00	85.00	0.00	0.00%
60,000	85.00	85.00	0.00	0.00%
70,000	85.00	85.00	0.00	0.00%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 1 INDUSTRIAL - MONTHLY 2 INCH METERS

	В	ILLS UNDER		
CONSUMPTION	PRESE	NT PROPOSED	INC	CREASE
GALLONS	RATE	S RATES	AMOUNT	PERCENT
0	\$28	.63 \$35.80	7.17	25.03%
1,000	43	.60 54.49	10.89	24.98%
2,000	58	.57 73.18	14.61	24.95%
3,000	73	.53 91.87	18.34	24.94%
4,000	88	.50 110.56	22.06	24.93%
5,000	103	.46 129.25	25.79	24.92%
10,000	178	.30 222.70	44.40	24.91%
16,000	268	.09 334.84	66.75	24.90%
20,000	327	.96 409.60	81.64	24.89%
30,000	477	.62 596.50	118.88	24.89%
40,000	627	.28 783.40	156.12	24.89%
50,000	776	.94 970.30	193.36	24.89%
60,000	926	.61 1,157.20	230.59	24.89%
70,000	1,076	.27 1,344.10	267.83	24.89%
80,000	1,225	.93 1,531.00	305.07	24.88%
90,000	1,375	.59 1,717.90	342.31	24.88%
100,000	1,525	.25 1,904.80	379.55	24.88%
200,000	3,021	.87 3,773.80	751.93	24.88%
300,000	4,518	.50 5,642.80	1,124.30	24.88%
400,000	6,015	.12 7,511.80	1,496.68	24.88%
500,000	7,511	.74 9,380.80	1,869.06	24.88%
528,207	* 7,933	.89 9,907.99	1,974.10	24.88%
600,000	9,008	.36 11,249.80	2,241.44	24.88%
700,000	10,504	.98 13,118.80	2,613.82	24.88%
800,000	12,001	.60 14,987.80	2,986.20	24.88%
900,000	13,498	.22 16,856.80	3,358.58	24.88%
1,000,000	14,994	.84 18,725.80	3,730.96	24.88%
1,100,000	16,491	.46 20,594.80	4,103.34	24.88%
1,200,000	17,988	.08 22,463.80	4,475.72	24.88%
1,300,000	19,484	.70 24,332.80	4,848.10	24.88%
1,400,000	20,981	.33 26,201.80	5,220.47	24.88%
1,500,000	22,477	.95 28,070.80	5,592.85	24.88%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 9 EXETER INDUSTRIAL - MONTHLY 2 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$27.50	\$35.80	8.30	30.18%
1,000	41.86	54.49	12.63	30.17%
2,000	56.22	73.18	16.96	30.16%
3,000	70.58	91.87	21.29	30.16%
4,000	84.94	110.56	25.62	30.16%
5,000	99.31	129.25	29.95	30.15%
10,000	171.11	222.70	51.59	30.15%
16,000	257.28	334.84	77.56	30.15%
20,000	314.72	409.60	94.88	30.15%
30,000	458.33	596.50	138.17	30.15%
40,000	601.94	783.40	181.46	30.15%
50,000	745.55	970.30	224.75	30.15%
60,000	889.16	1,157.20	268.04	30.15%
70,000	1,032.77	1,344.10	311.33	30.15%
80,000	1,176.38	1,531.00	354.62	30.15%
90,000	1,319.99	1,717.90	397.91	30.14%
100,000	1,463.60	1,904.80	441.20	30.14%
200,000	2,899.70	3,773.80	874.10	30.14%
300,000	4,335.80	5,642.80	1,307.00	30.14%
400,000	5,771.90	7,511.80	1,739.90	30.14%
500,000	7,208.00	9,380.80	2,172.80	30.14%
528,207	* 7,613.08	9,907.99	2,294.91	30.14%
600,000	8,644.10	11,249.80	2,605.70	30.14%
700,000	10,080.20	13,118.80	3,038.60	30.14%
800,000	11,516.30	14,987.80	3,471.50	30.14%
900,000	12,952.40	16,856.80	3,904.40	30.14%
1,000,000	14,388.50	18,725.80	4,337.30	30.14%
1,100,000	15,824.60	20,594.80	4,770.20	30.14%
1,200,000	17,260.70	22,463.80	5,203.10	30.14%
1,300,000	18,696.80	24,332.80	5,636.00	30.14%
1,400,000	20,132.90	26,201.80	6,068.90	30.14%
1,500,000	21,569.00	28,070.80	6,501.80	30.14%

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 12 FOSTER TOWNSHIP INDUSTRIAL - MONTHLY 2 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$85.00	\$85.00	0.00	0.00%
1,000	85.00	85.00	0.00	0.00%
2,000	85.00	85.00	0.00	0.00%
3,000	85.00	85.00	0.00	0.00%
4,000	85.00	85.00	0.00	0.00%
5,000	85.00	85.00	0.00	0.00%
10,000	85.00	85.00	0.00	0.00%
16,000	85.00	85.00	0.00	0.00%
20,000	85.00	85.00	0.00	0.00%
30,000	85.00	85.00	0.00	0.00%
40,000	85.00	85.00	0.00	0.00%
50,000	85.00	85.00	0.00	0.00%
60,000	85.00	85.00	0.00	0.00%
70,000	85.00	85.00	0.00	0.00%
80,000	85.00	85.00	0.00	0.00%
90,000	85.00	85.00	0.00	0.00%
100,000	85.00	85.00	0.00	0.00%
200,000	85.00	85.00	0.00	0.00%
300,000	85.00	85.00	0.00	0.00%
400,000	85.00	85.00	0.00	0.00%
500,000	85.00	85.00	0.00	0.00%
528,207	* 85.00	85.00	0.00	0.00%
600,000	85.00	85.00	0.00	0.00%
700,000	85.00	85.00	0.00	0.00%
800,000	85.00	85.00	0.00	0.00%
900,000	85.00	85.00	0.00	0.00%
1,000,000	85.00	85.00	0.00	0.00%
1,100,000	85.00	85.00	0.00	0.00%
1,200,000	85.00	85.00	0.00	0.00%
1,300,000	85.00	85.00	0.00	0.00%
1,400,000	85.00	85.00	0.00	0.00%
1,500,000	85.00	85.00	0.00	0.00%

PENNSYLVANIA-AMERICAN WATER COMPANY ROYERSFORD WASTEWATER OPERATIONS SUMMARY OF APPLICATION OF PRESENT AND PROPOSED RATES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2023

							Other	
Rate Zone 10: Royersford	Residential	Commercial	Industrial	Municipal	Bulk WW	Total Sales	Revenues	Total Revenues
Present Rate Application	\$483,973	\$271,626	\$8,868	\$360	\$50,949	\$815,775	\$5,093	\$820,868
Proposed Rate Application	\$818,337	\$461,940	\$15,081	\$612	\$86,634	\$1,382,604	\$8,632	\$1,391,236
Change in Revenues	\$334,364	\$190,314	\$6,214	\$252	\$35,685	\$566,829	\$3,539	\$570,368
% Change in Revenues	69.00%	70.00%	70.00%	70.00%	70.00%	69.00%	69.00%	69.00%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO RESIDENTIAL CLASS BILL ANALYSIS

			Annualized			Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Residential Class	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Minimum Charge	8,350	\$30.00	\$250,506	14,880	\$30.00	\$446,400	14,880	\$30.00	\$446,400	\$51.00	\$758,880	70.00%
Consumption Charges:			. ,	,		. ,			. ,			
First 5400 Gallons	239,240	\$0.0000	\$0	427,213	\$0.0000	\$0	427,213	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 5400 Gallons	27,944	0.5615	15,690	49,308	0.5615	27,687	49,308	0.5615	27,687	0.9550	47,090	70.08%
Flat Rate (Unmetered)	60	\$43.50	\$2,619	108	\$43.50	\$4,698	108	\$43.50	\$4,698	\$74.00	\$7,992	70.11%
Low Income:												
Minimum Charge	113	\$30.00	\$3,383	228	\$30.00	\$6,840	228	\$30.00	\$6,840	\$51.00	\$11,628	70.00%
Consumption Charges:			,	_		,			,		. ,	
First 5400 Gallons	3,599	\$0.0000	\$0	7,165	\$0.0000	\$0	7,165	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 5400 Gallons	488	0.5615	274	1,017	0.5615	571	1,017	0.5615	571	0.9550	972	70.08%
			(\$4,007,00)			(42,222,22)			(40.000.00)			
Low Income Discount (30%)			(\$1,097.23)			(\$2,223.39)			(\$2,223.39)		(65 5 4 4)	
Low Income Discount Tier 1											(\$5,544)	I
Low Income Discount Tier 2											(2,155)	I
Low Income Discount Tier 3											(525)	
Adjustments (1):												
Annualize 2021 Billing												
Minimum Charge	6,530	\$30.00	\$195,894									
Consumption Charges:												
First 5400 Gallons	187,973	\$0.0000	\$0									
All Over 5400 Gallons	21,365	0.5615	11,996									
Flat Rate (Unmetered)	48	\$43.50	\$2,079									
Low Income:		400.0-	40.45-									
Minimum Charge	115	\$30.00	\$3,457									
Consumption Charges:												
First 5400 Gallons	3,566	\$0.0000	\$0									
All Over 5400 Gallons	529	0.5615	297									
Low Income Discount (30%)			(\$1,126.16)									
Total Zone 10 Residential		-	\$483,973			\$483,973		-	\$483,973		\$818,337	69.09%
		=	, , , , , , , , , , , , , , , , , , , 		=	,,,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,,,,,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	=	,010, 0 37	= 05.05

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO COMMERCIAL CLASS BILL ANALYSIS

			Annualized			Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Commercial Class	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Minimum Charge	1,382	\$30.00	\$41,453	2,436	\$30.00	\$73,080	2,436	\$30.00	\$73,080	\$51.00	\$124,236	70.00%
Consumption Charges:												
First 5400 Gallons	52,750	\$0.0000	\$0	92,365	\$0.0000	\$0	92,365	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 5400 Gallons	155,408	0.5615	87,262	269,001	0.5615	151,044	269,001	0.5615	151,044	0.9550	256,896	70.08%
Flat Rate (Unmetered)	613	\$43.50	\$26,646	1,092	\$43.50	\$47,502	1,092	\$43.50	\$47,502	\$74.00	\$80,808	70.11%
<u>Adjustments (1):</u> Annualize 2021 Billing												
Minimum Charge	1,054	\$30.00	\$31,627									
Consumption Charges:	2,001	çoonoo	<i>\\</i>									
First 5400 Gallons	39,615	\$0.0000	\$0									
All Over 5400 Gallons	113,593	0.5615	63,782									
Flat Rate (Unmetered)	479	\$43.50	\$20,856									
Total Zone 10 Commercial		=	\$271,626		-	\$271,626			\$271,626		\$461,940	70.06%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO INDUSTRIAL CLASS BILL ANALYSIS

Industrial Class	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
	-											
Minimum Charge	42	\$30.00	\$1,260	72	\$30.00	\$2,160	72	\$30.00	\$2,160	\$51.00	\$3,672	70.00%
Consumption Charges:	1.462	¢0.0000	ćo	2.570	¢0.0000	ćo	2 570	ć0.0000	ćo	ć0.0000	ćo	0.000/
First 5400 Gallons All Over 5400 Gallons	1,462	\$0.0000	\$0	2,579	\$0.0000	\$0 2.576	2,579	\$0.0000 0.5615	\$0 2.576	\$0.0000 0.9550	\$0	0.00%
All Over 5400 Gallons	3,730	0.5615	2,094	6,368	0.5615	3,576	6,368	0.5015	3,576	0.9550	6,081	70.08%
Flat Rate (Unmetered)	42	\$43.50	\$1,827	72	\$43.50	\$3,132	72	\$43.50	\$3,132	\$74.00	\$5,328	70.11%
<u>Adjustments (1):</u>												
Annualize 2021 Billing												
Minimum Charge	30	\$30.00	\$900									
Consumption Charges:			4.5									
First 5400 Gallons	1,116	\$0.0000	\$0									
All Over 5400 Gallons	2,638	0.5615	1,481									
Flat Rate (Unmetered)	30	\$43.50	\$1,305									
Total Zone 10 Industrial		-	\$8,868		-	\$8,868			\$8,868		\$15,081	70.07%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO MUNICIPAL CLASS BILL ANALYSIS

Municipal Class	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
Minimum Charge Consumption Charges:	7	\$30.00	\$210	12	\$30.00	\$360	12	\$30.00	\$360	\$51.00	\$612	70.00%
First 5400 Gallons	57	\$0.0000	\$0	100	\$0.0000	\$0	100	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 5400 Gallons	0	0.5615	0	0	0.5615	0	0	0.5615	0	0.9550	0	0.00%
Flat Rate (Unmetered)	0	\$43.50	\$0	0	\$43.50	\$0	0	\$43.50	\$0	\$74.00	\$0	0.00%
<u>Adjustments (1):</u> Annualize 2021 Billing												
Minimum Charge Consumption Charges:	5	\$30.00	\$150									
First 5400 Gallons	43	\$0.0000	\$0									
All Over 5400 Gallons	0	0.5615	0									
Flat Rate (Unmetered)		\$0.00	\$0									
Total Zone 10 Municipal		=	\$360		-	\$360			\$360		\$612	70.00%

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PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO BULK WASTEWATER CLASS BILL ANALYSIS

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			Annualized			Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Bulk Wastewater Class	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Minimum Charge	538	\$30.00	\$16,151	1,080	\$30.00	\$32,400	1,080	\$30.00	\$32,400	\$51.00	\$55,080	70.00%
Consumption Charges:												
First 5400 Gallons	12,468	\$0.0000	\$0	24,935	\$0.0000	\$0	24,935	\$0.0000	\$0	\$0.0000	\$0	200.00%
All Over 5400 Gallons	1,643	0.5615	923	3,286	0.5615	1,845	3,286	0.5615	1,845	0.9550	3,138	70.08%
Flat Rate (Unmetered)	192	\$43.50	\$8,352	384	\$43.50	\$16,704	384	\$43.50	\$16,704	\$74.00	\$28,416	70.11%
Adjustments (1):												
Annualize 2021 Billing												
Minimum Charge	542	\$30.00	\$16,249									
Consumption Charges:												
First 5400 Gallons	12,468	\$0.0000	\$0									
All Over 5400 Gallons	1,643	0.5615	923									
Flat Rate (Unmetered)	192	\$43.50	\$8,352									
Total Zone 10 Bulk WW		=	\$50,949		-	\$50,949			\$50,949		\$86,634	70.04%

PENNSYLVANIA-AMERICAN WATER COMPANY MISCELLANEOUS AND OTHER OPERATING REVENUES ROYERSFORD WASTEWATER OPERATIONS YEAR ENDING DECEMBER 31, 2021, 2022, AND 2023

		Per Books 2021	Adjustments	Adjusted 2021	Adjustments	2022	Adjustments	2023	Proposed 2023
536	Guaranteed Revenues	\$0		\$0		\$0		\$0	\$0
532	Late Payment Fees	2,793	2,299	5,093	0	5,093	0	5,093	\$8,632
536	Miscellaneous Services	0		0		0		0	\$0
472	Rents From Property	0		0		0		0	\$0
473	Intercompany Rent	0		0		0		0	\$0
	Total Other Revenues	\$2,793	\$2,299	\$5,093	\$0	\$5,093	\$0	\$5,093	\$8,632

Pennsylvania American Water Company Wastewater Bill Analysis Summary 12 Months Ended December 2021

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RESIDENTIAL CLASS					FRII.02k
Zone 10	2021	2021	Annualized (Based on Rates)	Annualized 2021 Billing	Annualized 2021
Royersford	Billing Units	Rates	Revenues	Determinants	Revenues
Minimum Charge	8,350	\$30.00	\$250,506	14,880	\$446,400
Usage (100 Gallons)					
First 5400 Gallons	239,240	\$0.0000	\$0	427,213	\$0
All Over 5400 Gallons	27,944	\$0.5615	15,690	49,308	27,687
	267,184			476,522	
Flat (Unmetered)	60	\$43.5000	\$2,619	108	\$4,698
Low Income:					
Minimum Charge	113	\$21.00	\$2 <i>,</i> 368	228	\$4,788
Usage (100 Gallons)					
First 5400 Gallons	3,599	\$0.0000	\$0	7,165	\$0
All Over 5400 Gallons	488	\$0.3931	192	1,017	400
	4,087		-	8,183	
			\$271,376	_	\$483,973

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COMMERCIAL CLASS Zone 10 Royersford	2021 Billing Units	2021 Rates	Annualized (Based on Rates) Revenues	Annualized 2021 Billing Determinants	FRII.02k Annualized 2021 Revenues
Minimum Charge Usage (100 Gallons)	1,382	\$30.00	\$41,453	2,436	\$73,080
First 5400 Gallons	52,750	\$0.0000	\$0	92,365	\$0
All Over 5400 Gallons	<u> </u>	\$0.5615	87,262	269,001 361,366	151,044
Flat (Unmetered)	613	\$43.5000	\$26,646	1,092	\$47,502
			\$155,360	-	\$271,626

FRII.02k

Annualized

Revenues

\$2,160

\$0

3,576

\$3,132

\$8,868

2021

INDUSTRIAL CLASS			Annualized	Annualized
Zone 10	2021	2021	(Based on Rates)	2021 Billing
Royersford	Billing Units	Rates	Revenues	Determinants
Minimum Charge	42	\$30.00	\$1,260	72
Usage (100 Gallons)				
First 5400 Gallons	1,462	\$0.0000	\$0	2,579
All Over 5400 Gallons	3,730	\$0.5615	2,094	6,368
	5,192		-	8,947
Flat (Unmetered)	42	\$43.5000	\$1,827	72
			\$5,181	

MUNICIPAL CLASS Zone 10 Royersford	2021 Billing Units	2021 Rates	Annualized (Based on Rates) Revenues	Annualized 2021 Billing Determinants	FRII.02k Annualized 2021 Revenues
Minimum Charge Usage (100 Gallons)	7	\$30.00	\$210	12	\$360
First 5400 Gallons	57	\$0.0000	\$0	100	\$0
All Over 5400 Gallons	<u>0</u> 57	\$0.5615	0 _	0 100	0
Flat (Unmetered)	0	\$43.5000	\$0		
			\$210	-	\$360

BULK WW CLASS			Annualized	Annualized	FRII.02k Annualized
Zone 10	2021	2021	(Based on Rates)	2021 Billing	2021
Royersford	Billing Units	Rates	Revenues	Determinants	Revenues
Minimum Charge	538	\$30.00	\$16,151	1,080	\$32,400
Usage (100 Gallons)					
First 5400 Gallons	12,468	\$0.0000	\$0	24,935	\$0
All Over 5400 Gallons	1,643	\$0.5615	923	3,286	1,845
	14,111			28,221	
Flat (Unmetered)	192	14,111		384	\$16,704
		-	\$25,425	-	\$50,949
		Total Revenues	\$457,552	_	\$815,775

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

		BILLS	UNDER			
CONSUMPTION	•	PRESENT	PROPOSED	•	INC	REASE
GALLONS		RATES	RATES	_	AMOUNT	PERCENT
0		\$30.00	\$51.00		\$21.00	70.00%
100		30.00	51.00		21.00	70.00%
500		30.00	51.00		21.00	70.00%
1,000		30.00	51.00		21.00	70.00%
2,000		30.00	51.00		21.00	70.00%
3,000		30.00	51.00		21.00	70.00%
3,212	*	30.00	51.00		21.00	70.00%
3,500		30.00	51.00		21.00	70.00%
4,000		30.00	51.00		21.00	70.00%
5,000		30.00	51.00		21.00	70.00%
6,000		33.37	56.73		23.36	70.01%
7,000		38.98	66.28		27.30	70.02%
8,000		44.60	75.83		31.23	70.03%
9,000		50.21	85.38		35.17	70.03%
10,000		55.83	94.93		39.10	70.04%
11,000		61.44	104.48		43.04	70.04%
12,000		67.06	114.03		46.97	70.04%
13,000		72.67	123.58		50.91	70.05%
14,000		78.29	133.13		54.84	70.05%
15,000		83.90	142.68		58.78	70.05%
16,000		89.52	152.23		62.71	70.05%
17,000		95.13	161.78		66.65	70.05%
18,000		100.75	171.33		70.58	70.06%
19,000		106.36	180.88		74.52	70.06%
20,000		111.98	190.43		78.45	70.06%
21,000		117.59	199.98		82.39	70.06%
22,000		123.21	209.53		86.32	70.06%
23,000		128.82	219.08		90.26	70.06%
24,000		134.44	228.63		94.19	70.06%
25,000		140.05	238.18		98.13	70.06%

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL- MONTHLY 5/8 INCH METERS

CONSUMPTION GALLONS PRESENT RATES PROPOSED RATES INCREASE 0 \$30.00 \$51.00 \$21.00 70.00% 100 30.00 51.00 21.00 70.00% 500 30.00 51.00 21.00 70.00% 1,000 30.00 51.00 21.00 70.00% 2,000 30.00 51.00 21.00 70.00% 3,000 30.00 51.00 21.00 70.00% 3,000 30.00 51.00 21.00 70.00% 3,000 30.00 51.00 21.00 70.00% 3,000 30.00 51.00 21.00 70.00% 4,000 30.00 51.00 21.00 70.00% 5,000 33.37 56.73 23.36 70.01% 7,000 38.98 66.28 27.30 70.02% 8,000 44.60 75.83 31.23 70.03% 10,000 55.83 94.93 39.10 70.06%	BILLS UNDER											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CONSUMPTION	PRESENT	PROPOSED	INCR	EASE							
100 30.00 51.00 21.00 $70.00%$ 500 30.00 51.00 21.00 $70.00%$ $1,000$ 30.00 51.00 21.00 $70.00%$ $2,000$ 30.00 51.00 21.00 $70.00%$ $3,000$ 30.00 51.00 21.00 $70.00%$ $3,500$ 30.00 51.00 21.00 $70.00%$ $4,000$ 30.00 51.00 21.00 $70.00%$ $5,000$ 30.00 51.00 21.00 $70.00%$ $6,000$ 33.37 56.73 23.36 $70.01%$ $7,000$ 38.98 66.28 27.30 $70.02%$ $8,000$ 44.60 75.83 31.23 $70.03%$ $9,000$ 50.21 85.38 35.17 $70.03%$ $10,000$ 55.83 94.93 39.10 $70.04%$ $16,000$ 89.52 152.23 62.71 $70.05%$ $20,000$ 111.98 190.43 78.45 $70.66%$ $21,000$ 123.21 209.53 86.32 $70.06%$ $22,000$ 123.21 209.53 86.32 $70.66%$ $23,692$ 132.71 225.69 92.98 $70.66%$ $24,000$ 144.67 247.73 102.06 $70.06%$ $25,000$ 140.05 238.18 98.13 $70.06%$ $26,000$ 145.67 247.73 102.06 $70.06%$ $28,000$ 156.90 266.83 109.93 $70.06%$ $29,000$ 162.5	GALLONS	RATES	RATES	AMOUNT	PERCENT							
100 30.00 51.00 21.00 $70.00%$ 500 30.00 51.00 21.00 $70.00%$ $1,000$ 30.00 51.00 21.00 $70.00%$ $2,000$ 30.00 51.00 21.00 $70.00%$ $3,000$ 30.00 51.00 21.00 $70.00%$ $3,500$ 30.00 51.00 21.00 $70.00%$ $4,000$ 30.00 51.00 21.00 $70.00%$ $5,000$ 30.00 51.00 21.00 $70.00%$ $6,000$ 33.37 56.73 23.36 $70.01%$ $7,000$ 38.98 66.28 27.30 $70.02%$ $8,000$ 44.60 75.83 31.23 $70.03%$ $9,000$ 50.21 85.38 35.17 $70.03%$ $10,000$ 55.83 94.93 39.10 $70.04%$ $16,000$ 89.52 152.23 62.71 $70.05%$ $20,000$ 111.98 190.43 78.45 $70.66%$ $21,000$ 123.21 209.53 86.32 $70.06%$ $22,000$ 123.21 209.53 86.32 $70.66%$ $23,692$ 132.71 225.69 92.98 $70.66%$ $24,000$ 144.67 247.73 102.06 $70.06%$ $25,000$ 140.05 238.18 98.13 $70.06%$ $26,000$ 145.67 247.73 102.06 $70.06%$ $28,000$ 156.90 266.83 109.93 $70.06%$ $29,000$ 162.5												
50030.0051.0021.0070.00%1,00030.0051.0021.0070.00%2,00030.0051.0021.0070.00%3,00030.0051.0021.0070.00%3,50030.0051.0021.0070.00%4,00030.0051.0021.0070.00%5,00030.0051.0021.0070.00%6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%23,692132.71225.6992.9870.06%24,000144.67248.394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%26,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%<	0	\$30.00	\$51.00	\$21.00	70.00%							
1,00030.0051.0021.0070.00%2,00030.0051.0021.0070.00%3,00030.0051.0021.0070.00%3,50030.0051.0021.0070.00%4,00030.0051.0021.0070.00%5,00030.0051.0021.0070.00%6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,561*126.36214.8988.5370.06%23,692132.71225.6992.9870.06%23,692132.71225.6992.9870.06%24,000144.67247.73102.0670.06%25,000140.05238.1898.1370.06%26,000156.90266.83109.9370.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.50 <td>100</td> <td>30.00</td> <td>51.00</td> <td>21.00</td> <td>70.00%</td>	100	30.00	51.00	21.00	70.00%							
2,00030.0051.0021.0070.00%3,00030.0051.0021.0070.00%3,50030.0051.0021.0070.00%4,00030.0051.0021.0070.00%5,00030.0051.0021.0070.00%6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,561*126.36214.8988.5370.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000166.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.85	500	30.00	51.00	21.00	70.00%							
3,00030.0051.0021.0070.00%3,50030.0051.0021.0070.00%4,00030.0051.0021.0070.00%5,00030.0051.0021.0070.00%6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.3%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%25,000151.28257.28106.0070.06%26,000156.90266.83109.9370.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	1,000	30.00	51.00	21.00	70.00%							
3,50030.0051.0021.0070.00%4,00030.0051.0021.0070.00%5,00030.0051.0021.0070.00%6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000123.21209.5386.3270.06%22,000123.21209.5386.3270.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000144.67247.73102.0670.06%25,000140.05238.1898.1370.06%26,000151.28257.28106.0070.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	2,000	30.00	51.00	21.00	70.00%							
4,00030.0051.0021.0070.00%5,00030.0051.0021.0070.00%6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.66%21,000117.59199.9882.3970.66%22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000145.67247.73102.0670.06%25,000140.05238.1898.1370.06%26,000156.90266.83109.9370.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	3,000	30.00	51.00	21.00	70.00%							
5,000 30.00 51.00 21.00 $70.00%$ $6,000$ 33.37 56.73 23.36 $70.01%$ $7,000$ 38.98 66.28 27.30 $70.02%$ $8,000$ 44.60 75.83 31.23 $70.03%$ $9,000$ 50.21 85.38 35.17 $70.03%$ $10,000$ 55.83 94.93 39.10 $70.04%$ $16,000$ 89.52 152.23 62.71 $70.05%$ $20,000$ 111.98 190.43 78.45 $70.06%$ $21,000$ 117.59 199.98 82.39 $70.06%$ $22,561$ * 126.36 214.89 88.53 $70.06%$ $23,000$ 128.82 219.08 90.26 $70.06%$ $23,692$ 132.71 225.69 92.98 $70.06%$ $24,000$ 145.67 247.73 102.06 $70.06%$ $25,000$ 140.05 238.18 98.13 $70.06%$ $25,000$ 145.67 247.73 102.06 $70.06%$ $27,000$ 151.28 257.28 106.00 $70.06%$ $28,000$ 156.90 266.83 109.93 $70.06%$ $29,000$ 162.51 276.38 113.87 $70.07%$ $30,000$ 280.43 476.93 196.50 $70.07%$ $40,000$ 224.28 381.43 157.15 $70.07%$ $50,000$ 280.43 476.93 196.50 $70.07%$ $60,000$ 336.58 572.43 235.85 $70.07%$	3,500	30.00	51.00	21.00	70.00%							
6,00033.3756.7323.3670.01%7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000151.28257.28106.0070.06%27,000151.28257.28106.0070.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	4,000	30.00	51.00	21.00	70.00%							
7,00038.9866.2827.3070.02%8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000144.05238.1898.1370.06%25,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	5,000	30.00	51.00	21.00	70.00%							
8,00044.6075.8331.2370.03%9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000151.28257.28106.0070.06%27,000151.28257.28106.0070.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	6,000	33.37	56.73	23.36	70.01%							
9,00050.2185.3835.1770.03%10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	7,000	38.98	66.28	27.30	70.02%							
10,00055.8394.9339.1070.04%16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000156.7247.73102.0670.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%60,000336.58572.43235.8570.07%	8,000	44.60	75.83	31.23	70.03%							
16,00089.52152.2362.7170.05%20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	9,000	50.21	85.38	35.17	70.03%							
20,000111.98190.4378.4570.06%21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	10,000	55.83	94.93	39.10	70.04%							
21,000117.59199.9882.3970.06%22,000123.21209.5386.3270.06%22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	16,000	89.52	152.23	62.71	70.05%							
22,000123.21209.5386.3270.06%22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	20,000	111.98	190.43	78.45	70.06%							
22,561*126.36214.8988.5370.06%23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	21,000	117.59	199.98	82.39	70.06%							
23,000128.82219.0890.2670.06%23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	22,000	123.21	209.53	86.32	70.06%							
23,692132.71225.6992.9870.06%24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	22,561 *	126.36	214.89	88.53	70.06%							
24,000134.44228.6394.1970.06%25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000336.58572.43235.8570.07%	23,000	128.82	219.08	90.26	70.06%							
25,000140.05238.1898.1370.06%26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	23,692	132.71	225.69	92.98	70.06%							
26,000145.67247.73102.0670.06%27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	24,000	134.44	228.63	94.19	70.06%							
27,000151.28257.28106.0070.06%28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	25,000	140.05	238.18	98.13	70.06%							
28,000156.90266.83109.9370.06%29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	26,000	145.67	247.73	102.06	70.06%							
29,000162.51276.38113.8770.07%30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	27,000	151.28	257.28	106.00	70.06%							
30,000168.13285.93117.8070.07%40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	28,000	156.90	266.83	109.93	70.06%							
40,000224.28381.43157.1570.07%50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	29,000	162.51	276.38	113.87	70.07%							
50,000280.43476.93196.5070.07%60,000336.58572.43235.8570.07%	30,000	168.13	285.93	117.80	70.07%							
60,000336.58572.43235.8570.07%	40,000	224.28	381.43	157.15	70.07%							
•	50,000	280.43	476.93	196.50	70.07%							
70,000 392.73 667.93 275.20 70.07%	60,000	336.58	572.43	235.85	70.07%							
	70,000	392.73	667.93	275.20	70.07%							

PENNSYLVANIA-AMERICAN WATER COMPANY ZONE 10 - ROYERSFORD

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES INDUSTRIAL- MONTHLY 5/8 INCH METERS

BILLS UNDER											
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE							
GALLONS	RATES	RATES	AMOUNT	PERCENT							
0	\$30.00	\$51.00	\$21.00	70.00%							
1,000	30.00	51.00	21.00	70.00%							
2,000	30.00	51.00	21.00	70.00%							
3,000	30.00	51.00	21.00	70.00%							
4,000	30.00	51.00	21.00	70.00%							
5,000	30.00	51.00	21.00	70.00%							
10,000	55.83	94.93	39.10	70.04%							
16,000	89.52	152.23	62.71	70.05%							
20,000	111.98	190.43	78.45	70.06%							
30,000	168.13	285.93	117.80	70.07%							
40,000	224.28	381.43	157.15	70.07%							
50,000	280.43	476.93	196.50	70.07%							
60,000	336.58	572.43	235.85	70.07%							
70,000	392.73	667.93	275.20	70.07%							
80,000	448.88	763.43	314.55	70.07%							
90,000	505.03	858.93	353.90	70.08%							
100,000	561.18	954.43	393.25	70.08%							
200,000	1,122.68	1,909.43	786.75	70.08%							
300,000	1,684.18	2,864.43	1,180.25	70.08%							
400,000	2,245.68	3,819.43	1,573.75	70.08%							
500,000	2,807.18	4,774.43	1,967.25	70.08%							
528,207 *	2,965.56	5,043.81	2,078.25	70.08%							
600,000	3,368.68	5,729.43	2,360.75	70.08%							
700,000	3,930.18	6,684.43	2,754.25	70.08%							
800,000	4,491.68	7,639.43	3,147.75	70.08%							
900,000	5,053.18	8,594.43	3,541.25	70.08%							
1,000,000	5,614.68	9,549.43	3,934.75	70.08%							
1,100,000	6,176.18	10,504.43	4,328.25	70.08%							
1,200,000	6,737.68	11,459.43	4,721.75	70.08%							
1,300,000	7,299.18	12,414.43	5,115.25	70.08%							
1,400,000	7,860.68	13,369.43	5,508.75	70.08%							
1,500,000	8,422.18	14,324.43	5,902.25	70.08%							

PENNSYLVANIA-AMERICAN WATER COMPANY WASTEWATER CSS OPERATIONS SUMMARY OF APPLICATION OF PRESENT AND PROPOSED RATES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2023

Rate Zone	Residential	Commercial	Industrial	Municipal	Bulk	Total Revenues
Present Rate Application				4	4	*** *** ***
Zone 3 - Scranton WW	\$19,878,580	\$10,287,816	\$1,398,460	\$377,279	\$619,065	\$32,561,200
Zone 4 - Kane WW	1,859,580	418,722	14,963	74,775	0	2,368,040
Zone 6 - McKeesport WW	7,869,156	2,594,073	18,621	282,321	4,490,737	15,254,908
	\$29,607,316	\$13,300,611	\$1,432,044	\$734,375	\$5,109,802	\$50,184,148
IPP Surcharge		\$29,488	\$44,219		\$250	\$73,957
Other Revenues						\$331,190
Total WW CSS	\$29,607,316	\$13,330,099	\$1,476,264	\$734,375	\$5,110,052	\$50,589,295
Proposed Rate Application						
Zone 3 - Scranton WW	\$18,765,440	\$9,877,769	\$1,343,124	\$362,225	\$594,569	\$30,943,128
Zone 4 - Kane WW	1,935,754	442,274	15,809	78,985	0	2,472,822
Zone 6 - McKeesport WW	9,594,901	3,200,937	22,948	348,098	5,608,105	18,774,988
Total WW CSS	\$30,296,095	\$13,520,981	\$1,381,881	\$789,308	\$6,202,674	\$52,190,938
IPP Surcharge		\$29,488	\$44,219		\$250	\$73,957
Other Revenues						\$343,718
Total WW CSS	\$30,296,095	\$13,550,468	\$1,426,100	\$789,308	\$6,202,924	\$52,608,613
Change in Revenues	\$688,779	\$220,370	(\$50,163)	\$54,933	\$1,092,872	\$2,019,318
% Change in Revenues	2.33%	1.66%	-3.50%	7.48%	21.39%	4.02%

PENNSYLVANIA-AMERICAN WATER COMPANY WASTEWATER CSS OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO RESIDENTIAL CLASS BILL ANALYSIS

Residential Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	Proforma 2023 Revenues @ Present Rate	Proforma 2023 Revenues @ Proposed Rate	% Percent Change
Zone 3 - Scranton WW Zone 4 - Kane WW Zone 6 - McKeesport WW	12,291,756 654,930 <u>3,520,511</u>	\$16,896,822 1,450,136 7,062,604	12,018,879 640,391 3,442,355	\$795,284 73,793 315,855	\$20,098,282 1,864,886 7,982,245	11,808,549 629,184 3,382,114	\$19,878,580 1,859,580 7,869,156	\$18,765,440 1,935,754 9,594,901	-6.00% 4.00% 22.00%
Total Residential	16,467,197	\$25,409,561	16,101,625	\$1,184,932	\$29,945,413	15,819,846	\$29,607,316	\$30,296,095	2.00%

PENNSYLVANIA-AMERICAN WATER COMPANY WASTEWATER CSS OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO RESIDENTIAL CLASS BILL ANALYSIS

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 3 - Scranton WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges:	335,180	\$19.50	\$6,536,014	335,180	\$19.50	\$269,284	\$6,805,297	335,180	\$19.50	\$6,805,297	\$19.50	\$6,536,014	-3.96%
Usage (in 100 Gallons)	11,694,889	\$0.8379	\$9,799,148	11,694,889	\$1.0600	\$510,739	\$12,907,322	11,435,263	\$1.0600	\$12,632,118	\$1.0600	\$12,121,379	-4.04%
Flat Rate (Unmetered)	132	\$47.64	\$6,288	132	\$55.09	\$300	\$7,571	132	\$55.09	\$7,571	\$55.09	\$7,272	-3.96%
Low Income: Service Charge Consumption Charges:	15,040	\$19.50	\$293,274	15,040	\$19.50	\$12,083	\$305,356	15,040	\$19.50	\$305,356	\$19.50	\$293,274	-3.96%
Usage (in 100 Gallons)	596,867	\$0.8379	\$500,115	596,867	\$1.0600	\$26,066	\$658,745	583,616	\$1.0600	\$644,700	\$1.0600	\$618,633	-4.04%
Low Income Discount (30%) Low Income Discount Tier 1 Low Income Discount Tier 2 Low Income Discount Tier 3			(\$238,016)			(\$11,445)	(\$289,230)			(\$285,017)		(\$401,239) (155,982) (38,027)	
<u>Usage Adjustment (1):</u> Usage (in 100 Gallons) Usage (in 100 Gallons) Low Income Usage Low Income Tier 1 Usage Low Income Tier 2 Usage Low Income Tier 3				(259,627) (13,250)	•	(\$11,338) (405)	(\$286,543) (10,237)	(200,117) (10,213)		(\$223,463) (\$7,983)	\$1.0600	(\$212,124) (\$1,191) (1,515) (1,053)	
Total Zone 3 Residential		-	\$16,896,822		-	\$795,284	\$20,098,282		=	\$19,878,580		\$18,765,440	

Note (1) Adjusment to account for decline in usage of metered customers.

2011 2011 2011 2012 Bits Present 2023 Present 2023 Present 2024 Present 2024 <th></th> <th></th> <th></th> <th>Annualized</th> <th></th> <th></th> <th>Proforma</th> <th>Proforma</th> <th></th> <th></th> <th>Proforma</th> <th></th> <th>Proforma</th> <th></th>				Annualized			Proforma	Proforma			Proforma		Proforma	
Service Charge (5/8") Service Charge (5/8") 22,179 533.91 51,141,77 21,179 566.84 51,824 51,473.962 73.50 57.350 55.56,893 56.1% Usage (in 100 Gallons) 346.929 50.0000 50 50 50 50 50 50.0000 50 30.000 50 30.000 50 30.000 50 30.000 50 30.000 50 50.000 50 50.000 50 50.000 50 50.000 50 50.00		2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Service Charge (Other Han 5/8") 12 17.82 1,314 12 133.69 6.7 1,696 12 133.69 1,696 147.10 1,792 5.688 Urage (in 100 Gallons) 246,529 50.0000 50 333.27 50.0000 50 533.27 50.0000 50 50 533.27 50.0000 50 50 50 533.27 50.0000 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 533.27 50.0000 50	Zone 4 - Kane WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge (Other Han 5/8") 12 17.82 1,314 12 133.69 6.7 1,696 12 133.69 1,696 147.10 1,792 5.688 Urage (in 100 Gallons) 246,529 50.0000 50 333.27 50.0000 50 533.27 50.0000 50 50 533.27 50.0000 50 50 50 533.27 50.0000 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 533.27 50.0000 50	Service Charge (E/0")	21 170	ĆE 2 01	ć1 141 707	21 170	¢66 94	650 224	¢1 472 062	21 170	¢66.94	¢1 472 062	672.50	¢1 FF6 602	E 619/
Lunge (n 100 Gallons) 366,292 50,0000 50 50 50,000 50 50,000 50 Next 8,000 Gallons) 16,717 0.9655 229,679 10,771 1,732 1,1,734 229,530 1,0531 1,1310 306,446 Next 8,000 Gallons) 10,771 0.9653 229,679 10,771 1,1311 306,746 11,310 13,100 1,311 13,100 1,311 13,100 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,771 1,4311 1,300 1,772 531,205 50,000 50 50,50 50,50 50,50 50,50 50,50 50,50 50,50 50,50 50,50 50,50 50,50 50,50 50,50	8 ()	· · ·			· ·									
Next 2,000 Gallons 265,371 0.3655 229,479 1.774 299,530 1.1810 3.06,46 Next 2,000 Gallons 10,771 06113 1.340 1.1303 1.340		12	107.82	1,514	12	155.09	07	1,090	12	155.09	1,090	147.10	1,792	5.06%
Next 20,000 Gallons 10,771 0.9613 10,324 10,771 1.1919 13,860 1.311 1.3081 1.310 1.340 1.340 All Over 30,000 Gallons 3.64 566.53 524,217 3.64 522,39 531,263 3.64 582.49 531,263 3.64 582.49 531,263 3.64 582.49 531,263 3.64 582.49 531,263 3.64 582.49 531,263 3.64 582.49 531,263 3.64 582.49 561.64 560.409 573.50 533,005 5.61% Using (n 100 Gallons) 16,318 50.0000 50 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.31	First 2,000 Gallons	346,929	\$0.0000	\$0	346,929	\$0.0000	\$0	\$0	339,227	\$0.0000	\$0	\$0.0000	\$0	
All Over 30,000 Gallons 1,341 1.0491 1.407 1,341 1.308 72 1,811 1.310 1.778 1.4310 1.430 1.4310 </td <td>Next 8,000 Gallons</td> <td>265,371</td> <td>0.8655</td> <td>229,679</td> <td>265,371</td> <td>1.0732</td> <td>11,734</td> <td>296,530</td> <td>259,480</td> <td>1.0732</td> <td>290,208</td> <td>1.1810</td> <td>306,446</td> <td></td>	Next 8,000 Gallons	265,371	0.8655	229,679	265,371	1.0732	11,734	296,530	259,480	1.0732	290,208	1.1810	306,446	
Flat Rate (Jumetered) 364 \$66.53 \$24,217 364 \$82.49 \$1,237 \$31,263 364 \$82.49 \$31,263 \$90.70 \$33,015 \$5.06 Low Income: Service Charge (5/8') Usage (in 100 Gallons) 868 \$53.31 \$46.795 868 \$65.84 \$2,390 \$60,409 \$68.8 \$66.84 \$60,009 \$0 \$53.50 \$63,800 \$5.61% Usage (in 100 Gallons) 15,318 \$0.0000 \$0 16,318 \$0.0000 \$0 15,535 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 \$0.0000 \$0 <	Next 20,000 Gallons	10,771	0.9613	10,354	10,771	1.1919	529	13,366	10,531	1.1919	13,081	1.3110	13,807	
Low Income: Service Charge (5/8') 868 \$53.91 \$46,795 868 \$66.84 \$52,390 \$60,409 \$73.50 \$63,800 \$.61% Usage (in 100 Gallons) 16,318 \$0.0000 \$50 \$50 15,956 \$0.0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$50,0000 \$50 \$50 \$1,3956 \$1,0732 \$15,956 \$1,0732 \$15,956 \$1,0732 \$15,956 \$1,0732 \$15,956 \$1,0732 \$13,000 \$10,010 \$11,010 \$11,010 \$11,010 \$11,010 \$11,010 \$11,010 \$11,010 \$11,010 \$11,010 \$1	All Over 30,000 Gallons	1,341	1.0491	1,407	1,341	1.3008	72	1,816	1,311	1.3008	1,778	1.4310	1,876	
Service Charge (5/8'') 868 \$53.91 \$46,795 868 \$66.84 \$2,290 \$60,409 868 \$66.84 \$60,409 \$73.50 \$63,800 \$5.1% Usage (n 100 Gallons) 16,318 \$0.000 \$0 16,318 \$0.000 \$50 15,955 \$0.000 \$50 \$0.000 \$0	Flat Rate (Unmetered)	364	\$66.53	\$24,217	364	\$82.49	\$1,237	\$31,263	364	\$82.49	\$31,263	\$90.70	\$33,015	5.60%
Usage (in 100 Gallons) 16,318 \$0,0000 \$0 16,318 \$0,0000 \$0 15,956 \$0,0000 \$15,956 \$1,0302 \$1,0305 \$1,0305 \$1,0305 \$1,0325	Low Income:													
First 2,000 Gallons 16,318 \$0,000 \$0 \$0 \$0 \$0 \$0,000 \$0 \$0 Next 2,000 Gallons 13,905 0.8655 12,034 13,905 1.0732 615 15,537 13,596 1.0732 15,206 1.1810 16,077 Next 2,000 Gallons 25 0.9613 284 295 1.1919 15 367 289 1.1919 3300 0 1.4310 0 Low Income Discount [30%) (\$17,734) (\$1,7734) (\$1,7734) (\$1,7734) (\$1,7734) (\$22,894) (\$22,894) (\$22,894) (\$22,792) (\$22,792) (\$35,303) (13,724) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (3,346) (13,724) (13	Service Charge (5/8")	868	\$53.91	\$46,795	868	\$66.84	\$2,390	\$60,409	868	\$66.84	\$60,409	\$73.50	\$63,800	5.61%
Next 8,000 Gallons 13,905 0.8655 12,034 13,905 1.0732 615 15,537 13,596 1.0732 15,206 1.1810 16,057 Next 20,000 Gallons 0 1.0491 0 1.3008 0 0 0 1.3008 1.300 13,005 1.3100 379 All Over 30,000 Gallons 0 1.0491 0 1.3008 0 0 0 1.3008 0 0 1.3008 1.3008 0 0 1.3008 0 0 1.3008 0 0 1.3008 0 0 1.3008 0 0 1.3008 0 0 1.3008 0 0 1.3008 0 0 1.3008 1.3100 379 1.310 379 1.310 379 1.310 1.3100 1.3100 1.3100 1.3100 1.3174 1.310 1.374 1.374 1.374 1.374 1.374 1.374 1.374 1.374 1.374 1.374 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.310 1.3	Usage (in 100 Gallons)													
Next 20,000 Gallons 295 0.9613 284 295 1.1919 15 367 289 1.1919 359 1.3110 379 All Over 30,000 Gallons 0 1.0491 0 1.3008 0 0 1.3008 0 1.3008 0 1.4310 0 Low Income Discount Tier 1 (\$17,734) (\$17,734) (\$22,894) (\$22,894) (\$22,894) (\$22,894) (\$22,792) (\$35,303) (13,724) Low Income Discount Tier 1 (\$362,17,734) - - - - - (\$37,24) (\$37,24) (\$37,24) (\$37,24) (\$37,24) (13,724) </td <td>First 2,000 Gallons</td> <td>16,318</td> <td>\$0.0000</td> <td>\$0</td> <td>16,318</td> <td>\$0.0000</td> <td>\$0</td> <td>\$0</td> <td>15,956</td> <td>\$0.0000</td> <td>\$0</td> <td>\$0.0000</td> <td>\$0</td> <td></td>	First 2,000 Gallons	16,318	\$0.0000	\$0	16,318	\$0.0000	\$0	\$0	15,956	\$0.0000	\$0	\$0.0000	\$0	
All Over 30,000 Gallons 0 1.0491 0 1.3008 0 0 1.3008 0 1.4310 0 Low income Discount 130%) (\$17,734) (\$17,734) (\$17,734) (\$906) (\$22,894) (\$22,894) (\$22,792) (\$22,792) (\$22,792) (\$33,36) Low income Discount Tier 1 Low income Discount Tier 3	Next 8,000 Gallons	13,905	0.8655	12,034	13,905	1.0732	615	15,537	13,596	1.0732	15,206	1.1810	16,057	
Low Income Discount Tier 1 Low Income Discount Tier 2 Low Income Discount Tier 2 Low Income Discount Tier 3 Usage Adjustment (1): Usage (in 100 Gallons) First 2,000 Gallons Next 8,000 Gallons Next 20,000 Gallons Str 20,000 Gallons Next 8,000 Gallons	Next 20,000 Gallons	295	0.9613	284	295	1.1919	15	367	289	1.1919	359	1.3110	379	
Low Income Discount Tier 1	All Over 30,000 Gallons	0	1.0491	0	0	1.3008	0	0	0	1.3008	0	1.4310	0	
Low Income Discount Tier 2 Low Income Discount Tier 3 Image: Comparison of the comparison of	Low Income Discount (30%)			(\$17,734)			(\$906)	(\$22,894)			(\$22,792)			
Low Income Discount Tier 3 Usage Adjustment (1): (3,346) Usage (in 100 Gallons) (5,936) (5,0000) (50) First 2,000 Gallons (7,702) (5,0000) (50) (5,936) (5,0000) (50) Next 8,000 Gallons (5,891) 1.0732 (260) (6,583) (4,541) 1.0732 (5,134) 1.1810 (5,363) Next 20,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (33) Usage (in 100 Gallons) (100 Gallons) (362) (5,0000) (50) (50) (50) (31) (242) All Over 30,000 Gallons (362) (5,0000) (50) (30) (30) (30) (27) (30) (30) (30) (30) (30) (30) (27) (5000) (50)	Low Income Discount Tier 1												(\$35,303)	
Usage Adjustment (1): Usage (in 100 Gallons) Visage (in 100 Gallons)	Low Income Discount Tier 2												(13,724)	
Usage (in 100 Gallons) First 2,000 Gallons (7,702) \$0.0000 \$0 \$0 \$0 \$0.0000 \$0 <t< td=""><td>Low Income Discount Tier 3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>(3,346)</td><td></td></t<>	Low Income Discount Tier 3												(3,346)	
First 2,000 Gallons (7,702) \$0.000 \$0 \$0 \$0.0000 \$0 \$0 Next 8,000 Gallons (5,891) 1.0732 (260) (6,583) (4,541) 1.0732 (5,134) 1.1810 (5,363) Next 20,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (242) All Over 30,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (33) Usage Adjustment Low Income (1): (362) \$0.0000 \$0	<u>Usage Adjustment (1):</u>													
Next 8,000 Gallons (5,891) 1.0732 (260) (6,583) (4,541) 1.0732 (5,134) 1.1810 (5,563) Next 20,000 Gallons (239) 1.1919 (12) (297) (184) 1.1919 (231) 1.3110 (242) All Over 30,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (33) Usage (in 100 Gallons) (100 Gallons) (362) \$0.0000 \$0	Usage (in 100 Gallons)													
Next 20,000 Gallons (239) 1.1919 (12) (297) (184) 1.1919 (231) 1.3110 (242) All Over 30,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (33) Usage Adjustment Low Income (1): Usage (in 100 Gallons) (362) \$0.0000 \$0	First 2,000 Gallons				(7,702)	\$0.0000	\$0	\$0	(5,936)	\$0.0000	\$0	\$0.0000	\$0	
All Over 30,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (33) Usage Adjustment Low Income (1): Usage (in 100 Gallons) (362) \$0.0000 \$0 </td <td>Next 8,000 Gallons</td> <td></td> <td></td> <td></td> <td>(5,891)</td> <td>1.0732</td> <td>(260)</td> <td>(6,583)</td> <td>(4,541)</td> <td>1.0732</td> <td>(5,134)</td> <td>1.1810</td> <td>(5,363)</td> <td></td>	Next 8,000 Gallons				(5,891)	1.0732	(260)	(6,583)	(4,541)	1.0732	(5,134)	1.1810	(5,363)	
All Over 30,000 Gallons (30) 1.3008 (2) (40) (23) 1.3008 (31) 1.4310 (33) Usage Adjustment Low Income (1): Usage (in 100 Gallons) (362) \$0.0000 \$0 </td <td>Next 20.000 Gallons</td> <td></td> <td></td> <td></td> <td>(239)</td> <td>1.1919</td> <td>(12)</td> <td> ,</td> <td>1</td> <td></td> <td></td> <td>1.3110</td> <td></td> <td></td>	Next 20.000 Gallons				(239)	1.1919	(12)	,	1			1.3110		
Usage (in 100 Gallons) (362) \$0.0000 \$0 \$0 First 2,000 Gallons (362) \$0.0000 \$0 \$0 Next 8,000 Gallons (309) 0.7512 (10) (241) (238) 0.7512 (188) Next 20,000 Gallons (7) 0.8343 (0) (6) (5) 0.8343 (4)								. ,			• •	1.4310		
Usage (in 100 Gallons) (362) \$0.0000 \$0 \$0 First 2,000 Gallons (362) \$0.0000 \$0 \$0 Next 8,000 Gallons (309) 0.7512 (10) (241) (238) 0.7512 (188) Next 20,000 Gallons (7) 0.8343 (0) (6) (5) 0.8343 (4)	Usage Adjustment Low Income (1):													
First 2,000 Gallons (362) \$0.0000 \$0 \$0 \$0 Next 8,000 Gallons (309) 0.7512 (10) (241) (238) 0.7512 (188) Next 20,000 Gallons (7) 0.8343 (0) (6) (5) 0.8343 (4)												1		
Next 8,000 Gallons (309) 0.7512 (10) (241) (238) 0.7512 (188) Next 20,000 Gallons (7) 0.8343 (0) (6) (5) 0.8343 (4)					(362)	\$0.0000	\$0	50	(279)	\$0.0000	ŚO			
Next 20,000 Gallons (7) 0.8343 (0) (6) (5) 0.8343 (4)														
												1		
						0.5100	0	Ū		0.5100	0			

Usage Adjustment Low Income (1): Usage (in 100 Gallons) Tier 1 First 2,000 Gallons Tier 1 Next 8,000 Gallons Tier 1 Next 20,000 Gallons Tier 1 All Over 30,000 Gallons Tier 1				\$0 (31) (1) 0
Usage Adjustment Low Income (1): Usage (in 100 Gallons) Tier 2 First 2,000 Gallons Tier 2 Next 8,000 Gallons Tier 2 Next 20,000 Gallons Tier 2 All Over 30,000 Gallons Tier 2 Usage Adjustment Low Income (1):				\$0 (39) (1) 0
Usage (in 100 Gallons) Tier 3 First 2,000 Gallons Tier 3 Next 8,000 Gallons Tier 3 Next 20,000 Gallons Tier 3 All Over 30,000 Gallons Tier 3				\$0 (27) (1) 0
Total Zone 4 Residential	\$1,450,136	\$73,793 \$1,864,886	\$1,859,580	\$1,935,754 4.10%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 6 - McKeesport WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges: Usage (in 100 Gallons)	91,086 2,821,008	\$11.00 \$1.7516	\$1,001,951 \$4,941,278	91,086 2,821,008	\$11.00 \$1.9760	\$41,280 \$229,662	\$1,043,232 \$5,803,973	91,086 2,758,382	\$11.00 \$1.9760	\$1,043,232 \$5,680,224	\$14.30 \$2.5340	\$1,302,537 \$6,989,739	24.86% 23.05%
<u>Port Vue:</u> Service Charge Consumption Charges: Usage (in 100 Gallons)	15,661 574,284	\$11.00 \$1.3297	\$172,269 \$763,625	15,661 574,284	\$11.00 \$1.5000	\$7,097 \$35,491	\$179,366 \$896,917	15,661 561,535	\$11.00 \$1.5000	\$179,366 \$877,793	\$14.30 \$1.9500	\$223,949 \$1,094,993	24.86% 24.74%
<u>Low Income:</u> Service Charge Consumption Charges: Usage (in 100 Gallons)	3,889 125,219	\$11.00 \$1.7516	\$42,782 \$219,333	3,889 125,219	\$11.00 \$1.9760	\$1,763 \$10,194	\$44,545 \$257,626	3,889 122,439	\$11.00 \$1.9760	\$44,545 \$252,133	\$14.30 \$2.5340	\$55,617 \$310,260	24.86% 23.05%
Low Income Discount (30%) Low Income Discount Tier 1 Low Income Discount Tier 2 Low Income Discount Tier 3			(\$78,635)			(\$3,587)	(\$90,651)			(\$89,003)		(\$160,986) (62,583) (15,257)	
<u>Usage Adjustment (1):</u> Usage (in 100 Gallons) Usage (in 100 Gallons) Port Vue Usage (in 100 Gallons) Low Income Usage Low Income Tier 1 Usage Low Income Tier 2 Usage Low Income Tier 3				(62,626) (12,749) (2,780)	1.5000	(\$5,098) (788) (158)	(\$128,848) (19,912) (4,004)	(48,272) (9,827) (2,143)	\$1.9760 1.5000 1.3832	(\$100,483) (15,528) (3,122)	\$2.5340 1.9500	(\$122,320) (19,162) (\$597) (760) (528)	21.73% 23.40%
Total Zone 6 Residential		=	\$7,062,604		=	\$315,855	\$7,982,245		=	\$7,869,156	-	\$9,594,901	21.93%

Commercial Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	Proforma 2023 Revenues @ Present Rate	Proforma 2023 Revenues @ Proposed Rate	% Percent Change
Zone 3 - Scranton WW Zone 4 - Kane WW Zone 6 - McKeesport WW	8,135,512 235,413 1,552,602	\$8,836,043 328,248 2,276,957	8,049,276 232,918 1,536,144	\$410,046 16,656 103,409	\$10,362,624 420,917 2,613,334	7,980,052 230,914 1,522,933	\$10,287,816 418,722 2,594,073	\$9,877,769 442,274 3,200,937	-4.00% 6.00% 23.00%
IPP Surcharge		\$29,488			\$29,488		\$29,488	\$29,488	0.00%
Total Commercial	9,923,527	\$11,470,735	9,818,337	\$530,111	\$13,426,362	9,733,900	\$13,330,099	\$13,550,468	2.00%

Zone 3 - Scranton WW	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma DSIC Revenues	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
B. Service Charge B. Consumption Charges Usage (in 100 Gallons)	28,290 1,773,283	\$19.50 \$0.8379	\$551,660 \$1,485,834	28,290 1,773,283	\$19.50 \$1.0600	\$22,728 \$77,443	\$574,388 \$1,957,123	28,290 1,754,486	\$19.50 \$1.0600	\$574,388 \$1,937,198	\$19.50 \$1.0600	\$551,660 \$1,859,755	-3.96% -4.00%
C. Service Charge C. Consumption Charges First 5,000 Gallons All Over 5,000 Gallons	36,016 812,326 5,549,904	\$19.50 \$0.8379 0.9758	\$702,306 \$680,648 5,415,596	36,016 812,326 5,549,904	\$19.50 \$1.0600 1.0903	\$28,935 \$35,476 249,304	\$731,241 \$896,541 6,300,364	36,016 803,715 5,491,075	\$19.50 \$1.0600 1.0903	\$731,241 \$887,414 6,236,223	\$19.50 \$1.0600 1.0903	\$702,306 \$851,938 5,986,919	-3.96% -4.00% -4.00%
<u>Usage Adjustment (1):</u> B. Usage (in 100 Gallons) C. First 5,000 Gallons C. All Over 5,000 Gallons				(18,797) (8,611) (58,829)	\$1.0600	(\$821) (\$376) (2,643)	(\$20,746) (\$9,503) (66,784)	(15,089) (6,912) (47,223)		(\$16,815) (\$7,703) (54,130)	\$1.0600 \$1.0600 1.0903	(\$15,994) (\$7,327) (51,488)	-4.88%
Total Zone 3 Commercial		=	\$8,836,043		-	\$410,046	\$10,362,624		=	\$10,287,816		\$9,877,769	-3.99%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 4 - Kane WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge (5/8")	1,705	\$53.91	\$91,890	1,705	\$66.84	\$4,694	\$118,623	1,705	\$66.84	\$118,623	\$73.50	\$125,281	5.61%
Service Charge (Other than 5/8")	263	107.82	28,342	263	133.69	1,448	36,590	263	133.69	36,590	\$147.10	38,667	5.68%
Usage (in 100 Gallons)													
First 2,000 Gallons	25,949	\$0.0000	\$0	25,949	\$0.0000	\$0	\$0	25,674	\$0.0000	\$0	\$0.0000	\$0	0.00%
Next 8,000 Gallons	43,866	0.8655	37,966	43,866	1.0732	1,940	49,016	43,401	1.0732	48,517	\$1.1810	51,256	5.65%
Next 20,000 Gallons	41,900	0.9613	40,278	41,900	1.1919	2,058	51,998	41,456	1.1919	51,469	\$1.3110	54,349	5.60%
All Over 30,000 Gallons	123,698	1.0491	129,772	123,698	1.3008	6,629	167,536	122,387	1.3008	165,830	\$1.4310	175,136	5.61%
<u>Usage Adjustment (1):</u>													
Usage (in 100 Gallons)													
First 2,000 Gallons				(275)	\$0.0000	\$0	\$0	(221)	\$0.0000	\$0	\$0.0000	\$0	0.00%
Next 8,000 Gallons				(465)	1.0732	(21)	(520)	(373)	1.0732	(421)	1.1810	(441)	4.67%
Next 20,000 Gallons				(444)	1.1919	(22)	(551)	(357)	1.1919	(447)	1.3110	(467)	4.62%
All Over 30,000 Gallons				(1,311)	1.3008	(70)	(1,776)	(1,053)	1.3008	(1,439)	1.4310	(1,506)	4.64%
Total Zone 4 Commercial		-	\$328,248		-	\$16,656	\$420,917		-	\$418,722	· ·	\$442,274	- 5.62%
		=			-	,			=	,		,,	

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 6 - McKeesport WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges: Usage (in 100 Gallons)	9,773 1,519,698	\$27.50 \$1.2916	\$268,754 \$1,962,841	9,773 1,519,698	\$27.50 \$1.4570	\$11,073 \$91,225	\$279,827 \$2,305,424	9,773 1,503,589	\$27.50 \$1.4570	\$279,827 \$2,281,954	\$35.80 \$1.8690	\$349,869 \$2,810,207	25.03% 23.15%
<u>Port Vue:</u> Service Charge Consumption Charges: Usage (in 100 Gallons)	146 32,904	\$11.00 \$1.3297	\$1,609 \$43,752	146 32,904	\$11.00 \$1.5000	\$66 \$2,033	\$1,675 \$51,389	146 32,555	\$11.00 \$1.5000	\$1,675 \$50,866	\$14.30 \$1.9500	\$2,092 \$63,483	24.86% 24.80%
<u>Usage Adjustment (1):</u> Usage (in 100 Gallons) Usage (in 100 Gallons) Port Vue				(16,109) (349)	\$1.4570 1.5000	(\$967) (22)	(\$24,437) (545)	(12,931) (280)	\$1.4570 1.5000	(\$19,807) (\$442)	\$1.8690 1.9500	(\$24,168) (546)	
Total Zone 6 Commercial		-	\$2,276,957			\$103,409	\$2,613,334		-	\$2,594,073		\$3,200,937	23.39%

Industrial Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	Proforma 2023 Revenues @ Present Rate	Proforma 2023 Revenues @ Proposed Rate	% Percent Change
Zone 3 - Scranton WW	1,223,486	\$1,197,297	1,223,486	\$55,337	\$1,398,460	1,223,486	\$1,398,460	\$1,343,124	-4.00%
Zone 4 - Kane WW	10,423	11,590	10,423	592	14,963	10,423	14,963	15,809	6.00%
Zone 6 - McKeesport WW	12,048	15,892	12,048	737	18,621	12,048	18,621	22,948	23.00%
IPP Surcharge		\$44,219			\$44,219		\$44,219	\$44,219	0.00%
Total Industrial	1,245,958	\$1,268,998	1,245,958	\$56,666	\$1,476,264	1,245,958	\$1,476,264	\$1,426,100	-3.00%

	2021 Dilling		Annualized	2022 Dilling		Proforma DSIC	Proforma	2022 Billing	Dresent	Proforma 2023	Deserved	Proforma	0/ Demonst
Zone 3 - Scranton WW	2021 Billing Determinants	2021 Rate	2021 Revenue	2022 Billing Determinants	2022 Rate		2022 Revenue	2023 Billing Determinants	Present Rate	Revenue	Proposed Rate	2023 Revenue @ Proposed Rate	% Percent Change
												<u> </u>	
C. Service Charge	552	\$19.50	\$10,772	552	\$19.50	\$444	\$11,216	552	\$19.50	\$11,216	\$19.50	\$10,772	-3.96%
C. Consumption Charges First 5,000 Gallons	53,321	\$0.8379	\$44,678	53,321	\$1.0600	\$2,329	\$58,849	53,321	\$1.0600	\$58,849	\$1.0600	\$56,520	-3.96%
All Over 5,000 Gallons	1,170,165	0.9758	1,141,847	1,170,165	1.0903	52,564	1,328,395	1,170,165	1.0903	1,328,395	1.0903	1,275,831	-4.00%
Total Zone 3 Industrial			\$1,197,297			\$55,337	\$1,398,460		-	\$1,398,460	-	\$1,343,124	-3.96%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 4 - Kane WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge (5/8")	0	\$53.91	\$0	0	\$66.84	\$0	\$0	0	\$66.84	\$0	\$73.50	\$0	0.00%
Service Charge (Other than 5/8")	12	107.82	1,294	12	133.69	66	1,670	12	133.69	1,670	\$147.10	1,765	5.68%
Usage per 100 Gallons:													
First 2,000 Gallons	240	\$0.0000	\$0	240	\$0.0000	\$0	\$0	240	\$0.0000	\$0	\$0.0000	\$0	
Next 8,000 Gallons	960	0.8655	831	960	1.0732	42	1,073	960	1.0732	1,073	\$1.1810	1,134	
Next 20,000 Gallons	2,400	0.9613	2,307	2,400	1.1919	118	2,978	2,400	1.1919	2,978	\$1.3110	3,146	
All Over 30,000 Gallons	6,823	1.0491	7,158	6,823	1.3008	366	9,241	6,823	1.3008	9,241	\$1.4310	9,764	
		-							-				.
Total Zone 4 Industrial		-	\$11,590			\$592	\$14,963		_	\$14,963		\$15,809	5.66%
		-							-				-

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 6 - McKeesport WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges: Usage per 100 Gallons:	12 12,048	\$27.50 \$1.2916	\$330 \$15,562	12 12,048	\$27.50 \$1.4570	\$14 \$723	\$344 \$18,278	12 12,048	\$27.50 \$1.4570	\$344 \$18,278	\$35.80 \$1.8690	\$430 \$22,518	25.03% 23.20%
<u>Port Vue:</u> Service Charge Consumption Charges: Usage per 100 Gallons:	0	\$11.00 \$1.3297	\$0 \$0	0	\$11.00 \$1.5000	\$0 \$0	\$0 \$0	0	\$11.00 \$1.5000	\$0 \$0	\$14.30 \$1.9500	\$0 \$0	0.00% 0.00%
Total Zone 6 Industrial		-	\$15,892			\$737	\$18,621		-	\$18,621		\$22,948	23.24%

Municipal Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	Proforma DSIC Revenues	2022 Proforma Revenues	2023 Water Usage (in 100 Gallons)	Proforma 2023 Revenues @ Present Rate	Proforma 2023 Revenues @ Proposed Rate	% Percent Change
Zone 3 - Scranton WW Zone 4 - Kane WW Zone 6 - McKeesport WW	326,015 50,242 177,304	\$327,670 58,691 245,877	322,910 49,825 175,833	\$15,053 2,977 11,250	\$380,421 75,245 284,320	320,017 49,436 174,461	\$377,279 74,775 282,321	\$362,225 78,985 348,098	-4.00% 6.00% 23.00%
Total Municipal	553,561	\$632,238	548,568	\$29,281	\$739,986	543,915	\$734,375	\$789,308	7.00%

	-		Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 3 - Scranton WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
C. Service Charge C. Consumption Charges	735	\$19.50	\$14,340	735	\$19.50	\$591	\$14,930	735	\$19.50	\$14,930	\$19.50	\$14,340	-3.96%
Usage (in 100 Gallons) First 5,000 Gallons	34,772	\$0.8379	\$29,135	34,772	\$1.0600	\$1,519	\$38,377	34,345	\$1.0600	\$37,925	\$1.0600	\$36,406	-4.00%
All Over 5,000 Gallons	291,243	0.9758	284,195	291,243	1.0903	13,083	330,625	288,565	1.0903	327,705	1.0903	314,622	-4.00%
<u>Usage Adjustment (1):</u> First 5,000 Gallons All Over 5,000 Gallons				(427) (2,678)	\$1.0600 1.0903	(\$19) (120)	(\$471) (3,040)	(398) (2,496)	\$1.0600 1.0903	(\$440) (2,841)	\$1.0600 1.0903	(\$422) (2,721)	-4.23% -4.00%
Total Zone 3 Municipal		-	\$327,670		•	\$15,053	\$380,421		=	\$377,279		\$362,225	-3.99%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 4 - Kane WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge (5/8")	55	\$53.91	\$2,971	55	\$66.84	\$152	\$3,835	55	\$66.84	\$3,835	\$73.50	\$4,050	5.61%
Service Charge (Other than 5/8")	62	107.82	6,713	62	133.69	343	8,667	62	133.69	8,667	147.10	9,159	5.68%
Usage (in 100 Gallons)													0.00%
First 2,000 Gallons	1,882	\$0.0000	\$0	1,882	\$0.0000	\$0	\$0	1,866	\$0.0000	\$0	\$0.0000	\$0	0.00%
Next 8,000 Gallons	5,198	0.8655	4,499	5,198	1.0732	230	5,808	5,155	1.0732	5,762	1.1810	6,088	5.66%
Next 20,000 Gallons	8,802	0.9613	8,461	8,802	1.1919	432	10,923	8,729	1.1919	10,836	1.3110	11,444	5.61%
All Over 30,000 Gallons	34,360	1.0491	36,047	34,360	1.3008	1,841	46,537	34,075	1.3008	46,166	1.4310	48,761	5.62%
<u>Usage Adjustment (1):</u>													
Usage (in 100 Gallons)													
First 2,000 Gallons				(16)	\$0.0000	\$0	\$0	(15)	\$0.0000	\$0	\$0.0000	\$0	0.00%
Next 8,000 Gallons				(43)	1.0732	(2)	(48)	(40)	1.0732	(45)	1.1810	(47)	5.39%
Next 20,000 Gallons				(73)	1.1919	(4)	(91)	(68)	1.1919	(85)	1.3110	(89)	5.33%
All Over 30,000 Gallons				(285)	1.3008	(15)	(386)	(266)	1.3008	(361)	1.4310	(380)	5.35%
Total Zone 4 Municipal		-	\$58,691			\$2,977	\$75,245		-	\$74,775	· ·	\$78,985	- 5.63%
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			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 6 - McKeesport WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges: Usage (in 100 Gallons)	591 175,044	\$27.50 \$1.2916	\$16,251 \$226,087	591 175,044	\$27.50 \$1.4570	\$670 \$10,508	\$16,921 \$265,547	591 173,592	\$27.50 \$1.4570	\$16,921 \$263,431	\$35.80 \$1.8690	\$21,156 \$324,443	25.03% 23.16%
<u>Port Vue:</u> Service Charge Consumption Charges: Usage (in 100 Gallons)	48 2,260	\$11.00 \$1.3297	\$533 \$3,005	48 2,260	\$11.00 \$1.5000	\$22 \$140	\$555 \$3,530	48 2,241	\$11.00 \$1.5000	\$555 \$3,502	\$14.30 \$1.9500	\$693 \$4,370	24.85% 24.81%
<u>Usage Adjustment (1):</u> Usage (in 100 Gallons) Usage (in 100 Gallons) Port Vue				(1,453) (19)	\$1.4570 1.5000	(\$87) (1)	(\$2,204) (29)	(1,354) (17)	\$1.4570 1.5000	(\$2,060) (27)	1.8690 1.9500	(\$2,531) (34)	22.85% 24.51%
Total Zone 6 Municipal		-	\$245,877			\$11,250	\$284,320		-	\$282,321		\$348,098	23.30%

Bulk WW Class	2021 Water Usage (in 100 Gallons)	2021 Annualized Revenues	2022 Water Usage (in 100 Gallons)	2022 Proforma Revenues	Proforma DSIC Revenues	2023 Water Usage (in 100 Gallons)	Proforma 2023 Revenues @ Present Rate	Proforma 2023 Revenues @ Proposed Rate	% Percent Change
Zone 3 - Scranton WW Zone 4 - Kane WW Zone 6 - McKeesport WW	442,007 0 4,197,347	\$517,217 0 3,860,145	442,007 0 4,197,347	\$24,496 0 177,697	\$619,065 0 4,490,737	442,007 0 4,197,347	\$619,065 0 4,490,737_	\$594,569 0 5,608,105	-4.00% 0.00% 25.00%
IPP Surcharge		\$250			\$250		\$250	\$250	0.00%
Total Bulk WW	4,639,354	\$4,377,612.00	4,639,354	\$202,193	\$5,110,052	4,639,354	\$5,110,052	\$6,202,924	21.00%

	-		Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 3 - Scranton WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
C. Service Charge C. Consumption Charges First 5,000 Gallons All Over 5,000 Gallons	6,163 248,533 193,474	\$19.50 \$0.8379 0.9758	\$120,179 \$208,246 188,792	6,163 248,533 193,474	\$19.50 \$1.0600 1.0903	\$4,951 \$10,854 8,691	\$125,130 \$274,299 219,636		\$19.50 \$1.0600 1.0903	\$125,130 \$274,299 219,636	\$19.50 \$1.0600 1.0903	\$120,179 \$263,445 210,945	-3.96% -3.96% -4.00%
Total Zone 3 Bulk WW		-	\$517,217		-	\$24,496	\$619,065		=	\$619,065		\$594,569	-3.96%

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 4 - Kane WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge (5/8")	0	\$53.91	\$0	0	\$66.84	\$0	\$0	0	\$66.84	\$0	\$73.50	\$0	0.00%
Service Charge (Other than 5/8")	0	107.82	0	0	133.69	0	0	0	133.69	0	\$147.10	0	0.00%
Usage per 100 Gallons:													
First 2,000 Gallons	0	\$0.0000	\$0	0	\$0.0000	\$0	\$0	0	\$0.0000	\$0	\$0.0000	\$0	
Next 8,000 Gallons	0	0.8655	0	0	1.0732	0	0	0	1.0732	0	\$1.1810	0	
Next 20,000 Gallons	0	0.9613	0	0	1.1919	0	0	0	1.1919	0	\$1.3110	0	
All Over 30,000 Gallons	0	1.0491	0	0	1.3008	0	0	0	1.3008	0	\$1.4310	0	
Total Zone 4 Bulk WW		-	\$0		-	\$0	\$0		_	\$0		\$0	0.00%
		=			=				-				

			Annualized			Proforma	Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		DSIC	2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
Zone 6 - McKeesport WW	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenues	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Flat Rate Monthly	84	\$54.70	\$4,595	84	\$61.10	\$211	\$5,343	84	\$61.10	\$5,343	\$79.00	\$6,636	24.19%
Flat Rate Quarterly	168	164.10	\$27,569	168	183.40	1,269	32,080	168	183.40	32,080	238.00	\$39,984	24.64%
Consumption Charges:													
Usage per 100 Gallons:	4,197,347	\$0.9120	\$3,827,981	4,197,347	\$1.0190	\$176,216	\$4,453,313	4,197,347	\$1.0190	\$4,453,313	\$1.3250	\$5,561,485	24.88%
		_			_				_				.
Total Zone 6 Bulk WW		_	\$3,860,145		_	\$177,697	\$4,490,737		_	\$4,490,737		\$5,608,105	24.88%
		-			-				-				

PENNSYLVANIA-AMERICAN WATER COMPANY MISCELLANEOUS AND OTHER OPERATING REVENUES WASTEWATER CSS OPERATIONS YEAR ENDING DECEMBER 31, 2021, 2022, AND 2023

		Per Books 2021	Adjustments	Adjusted 2021	Adjustments	2022	Adjustments	2023	Proposed 2023
536	Guaranteed Revenues	\$0		\$0		\$0		\$0	\$0
532	Late Payment Fees	184,519	84,923	269,443	47,066	316,508	(2,747)	313,761	326,290
536	Miscellaneous Services	17,429		17,429		17,429		17,429	17,429
472	Rents From Property	0		0		0		0	0
473	Intercompany Rent	0		0		0		0	0
	Total Other Revenues	\$201,948	\$84,923	\$286,871	\$47,066	\$333,937	(\$2,747)	\$331,190	\$343,718

			FRII.02d		FRII.02n	FRI	II.02h	Proforma	FR I	I.02h	Proforma
	2021	2021	Annualized	2022	Annualized	2022 Usage	2022 Usage	Present Rate	2023 Usage	2023 Usage	Present Rate
RESIDENTIAL CLASS	Billing Units	Rates	2021 Revenues	Rates	2022 Revenues	Adjustment	\$ Adjustment	2022 Revenues	Adjustment	\$ Adjustment	2023 Revenues
	(a)	(b)	(a) x (b)	(c)	(d) = (a) x (c)	(e)	(f) = (c) x (e)	(g) = (d) - (f)	(h)	(i) = (c) x (h)	(j) = (g) - (i)
Rate Zone 3 Scranton WW	225 400	¢40.50	60 F20 04 4	640 50	60 F20 01 1			¢6 506 044			40 500 014
Service Charge	335,180	\$19.50	\$6,536,014	\$19.50	\$6,536,014	()	<i></i>	\$6,536,014			\$6,536,014
Usage (100 Gallons)	11,694,889	\$0.8379	9,799,148	\$1.0600	12,396,583	(259,627)	(\$275,204)	12,121,379	(200,117)	(\$212,124)	11,909,254
Flat (Unmetered)	132	\$47.64	6,288	\$55.09	7,272			\$7,272			\$7,272
Low Income:											
Service Charge	15,040	\$13.65	\$205,291	\$13.65	\$205,291			\$205,291			\$205,291
Usage (100 Gallons)	596,867	\$0.5865	350,080	\$0.7420	442,875	(13,250)	(\$9,832)	433,043	(10,213)	(\$7,578)	425,465
Rate Zone 4 Kane WW											
Service Charge											
5/8" Meter	21,179	\$53.91	\$1,141,787	\$66.84	\$1,415,638			\$1,415,638			\$1,415,638
> 5/8" Meter	12	\$107.82	1,314	\$133.69	1,629			1,629			1,629
Unmetered	364	\$66.53	24,217	\$82.49	30,026			30,026			30,026
Usage (100 Gallons)											
First 2000 Gal	346,929	\$0.0000	\$0	\$0.0000	\$0	(7,702)	\$0	\$0	(5,936)	\$0	\$0
Next 8000 Gal	265,371	0.8655	229,679	1.0732	284,797	(5,891)	(6,322)	278,474	(4,541)	(4,873)	273,601
Next 20000 Gal	10,771	0.9613	10,354	1.1919	12,837	(239)	(285)	12,552	(184)	(220)	12,333
All over 30000 Gal	1,341	1.0491	1,407	1.3008	1,744	(30)	(39)	1,706	(23)	(30)	1,676
	624,412		, -		,	()	()	,	(-)	()	,
Low Income:											
5/8" Meter	868	\$37.74	\$32,757	\$46.79	\$40,613			\$40,613			\$40,613
Usage (100 Gallons)			<i>+,</i>	<i></i>	+,			+,			+
First 2000 Gal	16,318	\$0.0000	\$0	\$0.0000	\$0	(362)	\$0	\$0	(279)	\$0	\$0
Next 8000 Gal	13,905	\$0.6059	8,424	\$0.7512	10,446	(309)	(232)	10,214	(238)	(179)	10,035
Next 20000 Gal	295	\$0.6729	199	\$0.8343	246	(7)	(5)	241	(5)	(4)	237
All over 30000 Gal	0	\$0.7344	0	\$0.9106	0	0	0	0	0	0	0
	30,518										
Rate Zone 6 McKeesport											
Service Charge	91,086	\$11.00	\$1,001,951	\$11.00	\$1,001,951			\$1,001,951			\$1,001,951
Usage (100 Gallons)	2,821,008	\$1.7516	4,941,278	\$1.9760	5,574,312	(62,626)	(\$123,750)	5,450,562	(48,272)	(\$95,385)	5,355,177
Port Vue:											
Service Charge	15,661	\$11.00	\$172,269	\$11.00	\$172,269			\$172,269			\$172,269
Usage (100 Gallons)	574,284	\$11.00	\$172,269 763,625	\$11.00	\$172,269 861,426	(12,749)	(\$19,124)	\$172,269 842,302	(9,827)	(\$14,740)	\$172,269 827,562
Usage (100 Galiolis)	574,284	\$1.5257	705,025	\$1.5000	801,420	(12,749)	(\$15,124)	642,502	(9,027)	(314,740)	827,502
Low Income:	2.000	A	620 0 <i>1</i> -	47	600 0 ·=			600 0 (=			400 C
Service Charge	3,889	\$7.70	\$29,947	\$7.70	\$29,947	(2 700)	(40.0)	\$29,947	(2.4.52)	(42.55)	\$29,947
Usage (100 Gallons)	125,219	\$1.2261	153,533	\$1.3832	173,203	(2,780)	(\$3,845)	169,357	(2,143)	(\$2,964)	166,394
RESIDENTIAL REVENUES			\$25,409,562		\$29,199,119			\$28,760,481			\$28,422,384
			2-0, .00,00L		<i>,,,</i>			<i>, _ 0,, 00, .</i> 01			<i>2</i> =0, <u>1</u> =1,004

			FRII.02d		FRII.02n	FR I	I.02h	Proforma	FR I	I.02h	Proforma
	2021	2021	Annualized	2022	Annualized	2022 Usage	2022 Usage	Present Rate	2023 Usage	2023 Usage	Present Rate
COMMERCIAL CLASS	Billing Units	Rates	2021 Revenues	Rates	2022 Revenues	Adjustment	\$ Adjustment	2022 Revenues	Adjustment	\$ Adjustment	2023 Revenues
	(a)	(b)	(a) x (b)	(c)	(d) = (a) x (c)	(e)	(f) = (c) x (e)	(g) = (d) - (f)	(h)	(i) = (c) x (h)	(j) = (g) - (i)
Rate Zone 3 Scranton WW											
B. Commercial											
Service Charge	28,290	\$19.50	\$551,660	\$19.50	\$551,660			\$551,660			\$551,660
Usage (100 Gallons)	1,773,283	\$0.8379	1,485,834	\$1.0600	1,879,680	(18,797)	(\$19,925)	1,859,755	(15,089)	(\$15,994)	1,843,761
C. Commercial											
Service Charge	36,016	\$19.50	\$702,306	\$19.50	\$702,306			\$702,306			\$702,306
Usage (100 Gallons)											
First 5000 Gal	812,326	\$0.8379	\$680,648	\$1.0600	\$861,065	(8,611)	(\$9,127)	\$851,938	(6,912)	(\$7,327)	\$844,611
All Over 5000 Gal	5,549,904	\$0.9758	5,415,596	\$1.0903	6,051,060	(58,829)	(64,141)	5,986,919	(47,223)	(51,488)	5,935,431
	6,362,229										
Rate Zone 4 Kane WW											
Service Charge											
5/8" Meter	1,705	\$53.91	\$91,890	\$66.84	\$113,929			\$113,929			\$113,929
> 5/8" Meter	263	107.82	28,342	300.84 133.69	3113,929			3113,929 35,142			3113,929 35,142
(100 College)											
Usage (100 Gallons)	25.040	¢0,0000	ćo	ć0.0000	ćo	(275)	ćo	ćo	(224)	ćo	ćo
First 2000 Gal	25,949	\$0.0000	\$0	\$0.0000	\$0	(275)	\$0	\$0	(221)	\$0	\$0
Next 8000 Gal	43,866 41,900	0.8655	37,966 40,278	1.0732	47,077 49,941	(465) (444)	(499) (529)	46,578	(373) (357)	(401) (425)	46,177 48,986
Next 20000 Gal	,	0.9613	,	1.1919	,	. ,	. ,	49,411	. ,	. ,	,
All over 30000 Gal	123,698 235,413	1.0491	129,772	1.3008	160,906	(1,311)	(1,706)	159,201	(1,053)	(1,369)	157,832
	235,413										
Rate Zone 6 McKeesport											
Service Charge	9,773	\$27.50	\$268,754	\$27.50	\$268,754			\$268,754			\$268,754
Usage (100 Gallons)	1,519,698	\$1.2916	1,962,841	\$1.4570	2,214,199	(16,109)	(\$23,471)	2,190,729	(12,931)	(\$18,840)	2,171,889
Port Vue:											
Service Charge	146	\$11.00	\$1,609	\$11.00	\$1,609			\$1,609			\$1,609
Usage (100 Gallons)	32,904	\$1.3297	43,752	\$1.5000	49,356	(349)	(\$523)	48,833	(280)	(\$420)	48,413
COMMERCIAL REVENUES			\$11,441,248		\$12,986,684			\$12,866,763			\$12,770,500

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			FRII.02d		FRII.02n	FR	II.02h	Proforma	FR	II.02h	Proforma
	2021	2021	Annualized	2022	Annualized	2022 Usage	2022 Usage	Present Rate	2023 Usage	2023 Usage	Present Rate
INDUSTRIAL CLASS	Billing Units	Rates	2021 Revenues	Rates	2022 Revenues	Adjustment	\$ Adjustment	2022 Revenues	Adjustment	\$ Adjustment	2023 Revenues
	(a)	(b)	(a) x (b)	(c)	(d) = (a) x (c)	(e)	(f) = (c) x (e)	(g) = (d) - (f)	(h)	(i) = (c) x (h)	(j) = (g) - (i)
Rate Zone 3 Scranton WW											
C. Service Charge	552	\$19.50	\$10,772	\$19.50	\$10,772			\$10,772			\$10,772
C. Usage (100 Gallons)											
First 5000 Gal	53,321	\$0.8379	\$44,678	\$1.0600	\$56,520		\$0	\$56,520			\$56,520
All Over 5000 Gal	1,170,165	0.9758	1,141,847	1.0903	1,275,831		0	1,275,831			1,275,831
	1,223,486										
Rate Zone 4 Kane WW											
Service Charge											
5/8" Meter	0	\$53.91	\$0	\$66.84	\$0			\$0			\$0
> 5/8" Meter	12	\$107.82	1,294	133.69	1,604			1,604			1,604
Usage (100 Gallons)											
First 2000 Gal	240	\$0.0000	\$0	\$0.0000	\$0		\$0	\$0			\$0
Next 8000 Gal	960	0.8655	831	1.0732	1,030		0	1,030			1,030
Next 20000 Gal	2,400	0.9613	2,307	1.1919	2,861		0	2,861			2,861
All over 30000 Gal	6,823	1.0491	7,158	1.3008	8,875		0	8,875			8,875
	10,423										
Rate Zone 6 McKeesport											
Service Charge	12	\$27.50	\$330	\$27.50	\$330			\$330			\$330
Usage (100 Gallons)	12,048	\$1.2916	15,562	\$1.4570	17,555		\$0	17,555		\$0	17,555
			¢1 224 770		¢1 275 270			¢1 275 270			¢1 275 270
INDUSTRIAL REVENUES			\$1,224,779		\$1,375,379			\$1,375,379			\$1,375

			FRII.02d		FRII.02n	FR I	I.02h	Proforma	FR I	I.02h	Proforma
	2021	2021	Annualized	2022	Annualized	2022 Usage	2022 Usage	Present Rate	2023 Usage	2023 Usage	Present Rate
MUNICIPAL CLASS	Billing Units	Rates	2021 Revenues	Rates	2022 Revenues	Adjustment	\$ Adjustment	2022 Revenues	Adjustment	\$ Adjustment	2023 Revenues
	(a)	(b)	(a) x (b)	(c)	(d) = (a) x (c)	(e)	(f) = (c) x (e)	(g) = (d) - (f)	(h)	(i) = (c) x (h)	(j) = (g) - (i)
Rate Zone 3 Scranton WW											
C. Service Charge	735	\$19.50	\$14,340	\$19.50	\$14,340			\$14,340			\$14,340
C. Usage (100 Gallons)											
First 5000 Gal	34,772	\$0.8379	\$29,135	\$1.0600	\$36,858	(427)	(\$452)	\$36,406	(398)	(\$422)	\$35,985
All Over 5000 Gal	291,243	0.9758	284,195	1.0903	317,542	(2,678)	(2,920)	314,622	(2,496)	(2,721)	311,901
	326,015										
Rate Zone 4 Kane WW											
Service Charge											
5/8" Meter	55	\$53.91	\$2,971	\$66.84	\$3,683			\$3,683			\$3,683
> 5/8" Meter	62	107.82	6,713	133.69	8,324			8,324			8,324
Usage (100 Gallons)											
First 2000 Gal	1,882	\$0.0000	\$0	\$0.0000	\$0	(16)	\$0	\$0	(15)	\$0	\$0
Next 8000 Gal	5,198	0.8655	4,499	1.0732	5,578	(43)	(46)	5,532	(40)	(43)	5,489
Next 20000 Gal	8,802	0.9613	8,461	1.1919	10,491	(73)	(87)	10,404	(68)	(81)	10,323
All over 30000 Gal	34,360	1.0491	36,047	1.3008	44,695	(285)	(371)	44,325	(266)	(346)	43,979
	50,242										
Rate Zone 6 McKeesport											
Service Charge	591	\$27.50	\$16,251	\$27.50	\$16,251			\$16,251			\$16,251
Usage (100 Gallons)	175,044	1.2916	226,087	327.30 1.4570	255,040	(1,453)	(\$2,117)		(1,354)	(\$1,973)	250,950
Usage (100 Galions)	175,044	1.2910	220,087	1.4570	235,040	(1,455)	(\$2,117)	232,923	(1,334)	(\$1,973)	250,950
Port Vue:											
Service Charge	48	\$11.00	\$533	\$11.00	\$533			\$533			\$533
Usage (100 Gallons)	2,260	1.3297	3,005	1.5000	3,390	(19)	(\$28)	3,362	(17)	(\$26)	3,336
MUNICIPAL REVENUES			\$632,237		\$716,727			\$710,705			\$705,094

			FRII.02d		FRII.02n	FR	II.02h	Proforma	FR	II.02h	Proforma
	2021	2021	Annualized	2022	Annualized	2022 Usage	2022 Usage	Present Rate	2023 Usage	2023 Usage	Present Rate
BULK WW CLASS	Billing Units	Rates	2021 Revenues	Rates	2022 Revenues	Adjustment	\$ Adjustment	2022 Revenues	Adjustment	\$ Adjustment	2023 Revenues
	(a)	(b)	(a) x (b)	(c)	(d) = (a) x (c)	(e)	(f) = (c) x (e)	(g) = (d) - (f)	(h)	(i) = (c) x (h)	(j) = (g) - (i)
Rate Zone 3 Scranton WW											
C. Service Charge	6,163	\$19.50	\$120,179	\$19.50	\$120,179			\$120,179			\$120,179
C. Usage (100 Gallons)											
First 5000 Gal	248,533	\$0.8379	\$208,246	\$1.0600	\$263,445		\$0	\$263,445		\$0	\$263,445
All Over 5000 Gal	193,474	\$0.9758	188,792	\$1.0903	210,945		0	210,945		0	210,945
	442,007										
Rate Zone 6 McKeesport											
Flat Rate Monthly	84	\$54.70	\$4,595	\$61.10	\$5,132			\$5,132			\$5,132
Flat Rate Quarterly	168	\$164.10	27,569	\$183.40	30,811			30,811			30,811
Usage (100 Gallons)	4,197,347	\$0.9120	3,827,981	\$1.0190	4,277,097		\$0	4,277,097		\$0	4,277,097
BULK WW REVENUES			\$4,377,362		\$4,907,609			\$4,907,609			\$4,907,609

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 6 MCKEESPORT RESIDENTIAL - MONTHLY 5/8 INCH METERS

CONSUMPTION GALLONS PRESENT RATES PROPOSED RATES INCREASE 0 \$11.45 \$14.30 \$2.85 24.86% 100 13.51 16.83 3.32 24.60% 500 21.74 26.97 5.23 24.06% 1,000 32.03 39.64 7.61 23.77% 2,000 52.60 64.98 12.38 23.53% 3,000 73.18 90.32 17.14 23.43% 3,212 * 77.54 95.69 18.15 23.40% 4,000 93.75 115.66 21.91 23.37% 5,000 114.32 141.00 26.68 23.33% 6,000 134.90 166.34 31.44 23.11% 7,000 155.47 191.68 36.21 23.27% 9,000 196.62 242.36 45.74 23.26% 10,000 217.19 267.70 50.51 23.23% 14,000 298.94 369.06 69.57 23.23%		BILLS U	JNDER		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	CONSUMPTION	MPTION PRESENT PROPOSED			EASE
100 13.51 16.83 3.32 $24.60%$ 500 21.74 26.97 5.23 $24.06%$ $1,000$ 32.03 39.64 7.61 $23.77%$ $2,000$ 52.60 64.98 12.38 $23.53%$ $3,000$ 73.18 90.32 17.14 $23.43%$ $3,212$ * 77.54 95.69 18.15 $23.41%$ $3,500$ 83.46 102.99 19.53 $23.40%$ $4,000$ 93.75 115.66 21.91 $23.37%$ $5,000$ 114.32 141.00 26.68 $23.33%$ $6,000$ 134.90 166.34 31.44 $23.29%$ $8,000$ 176.05 217.02 40.97 $23.27%$ $9,000$ 196.62 242.36 45.74 $23.26%$ $10,000$ 217.19 267.70 50.51 $23.25%$ $11,000$ 278.92 343.72 64.80 $23.23%$ $14,000$ 299.49 369.06 69.57 $23.23%$ $15,000$ 320.06 394.40 74.34 $23.23%$ $16,000$ 340.64 419.74 79.10 $23.22%$ $18,000$ 381.79 470.42 88.63 $23.22%$ $19,000$ 402.36 495.76 93.40 $23.21%$ $19,000$ 422.94 521.10 98.16 $23.21%$ $19,000$ 464.08 571.78 107.70 $23.21%$ $22,000$ 464.08 571.78 107.70 $23.21%$ $23,$	GALLONS	RATES	RATES	AMOUNT	PERCENT
100 13.51 16.83 3.32 $24.60%$ 500 21.74 26.97 5.23 $24.06%$ $1,000$ 32.03 39.64 7.61 $23.77%$ $2,000$ 52.60 64.98 12.38 $23.53%$ $3,000$ 73.18 90.32 17.14 $23.43%$ $3,212$ * 77.54 95.69 18.15 $23.41%$ $3,500$ 83.46 102.99 19.53 $23.40%$ $4,000$ 93.75 115.66 21.91 $23.37%$ $5,000$ 114.32 141.00 26.68 $23.33%$ $6,000$ 134.90 166.34 31.44 $23.29%$ $8,000$ 176.05 217.02 40.97 $23.27%$ $9,000$ 196.62 242.36 45.74 $23.26%$ $10,000$ 217.19 267.70 50.51 $23.25%$ $11,000$ 278.92 343.72 64.80 $23.23%$ $14,000$ 299.49 369.06 69.57 $23.23%$ $15,000$ 320.06 394.40 74.34 $23.23%$ $16,000$ 340.64 419.74 79.10 $23.22%$ $18,000$ 381.79 470.42 88.63 $23.22%$ $19,000$ 402.36 495.76 93.40 $23.21%$ $19,000$ 422.94 521.10 98.16 $23.21%$ $19,000$ 464.08 571.78 107.70 $23.21%$ $22,000$ 464.08 571.78 107.70 $23.21%$ $23,$					
50021.7426.975.2324.06%1,00032.0339.647.6123.77%2,00052.6064.9812.3823.53%3,00073.1890.3217.1423.43%3,212*77.5495.6918.1523.41%3,50083.46102.9919.5323.40%4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.21%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.23%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0888.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.46 <td>0</td> <td>\$11.45</td> <td>\$14.30</td> <td>\$2.85</td> <td>24.86%</td>	0	\$11.45	\$14.30	\$2.85	24.86%
1,00032.0339.647.6123.77%2,00052.6064.9812.3823.53%3,00073.1890.3217.1423.43%3,212*77.5495.6918.1523.41%3,50083.46102.9919.5323.40%4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.11%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	100	13.51	16.83	3.32	24.60%
2,00052.6064.9812.3823.53%3,00073.1890.3217.1423.43%3,212*77.5495.6918.1523.41%3,50083.46102.9919.5323.40%4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.11%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	500	21.74	26.97	5.23	24.06%
3,00073.1890.3217.1423.43%3,212*77.5495.6918.1523.41%3,50083.46102.9919.5323.40%4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.31%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%22,000464.08571.78107.7023.21%22,000464.08571.78107.7023.21%23,00028.66597.12112.4623.20%24,000505.23622.46117.2323.20%	1,000	32.03	39.64	7.61	23.77%
3,212*77.5495.6918.1523.41%3,50083.46102.9919.5323.40%4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.31%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%22,000464.08571.78107.7023.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	2,000	52.60	64.98	12.38	23.53%
3,21277.3493.0916.1323.41%3,50083.46102.9919.5323.40%4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.31%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	3,000	73.18	90.32	17.14	23.43%
4,00093.75115.6621.9123.37%5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.31%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.23%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	3,212 *	77.54	95.69	18.15	23.41%
5,000114.32141.0026.6823.33%6,000134.90166.3431.4423.31%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.23%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	3,500	83.46	102.99	19.53	23.40%
6,000134.90166.3431.4423.31%7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.23%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	4,000	93.75	115.66	21.91	23.37%
7,000155.47191.6836.2123.29%8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000361.21445.0883.8723.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	5,000	114.32	141.00	26.68	23.33%
8,000176.05217.0240.9723.27%9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	6,000	134.90	166.34	31.44	23.31%
9,000196.62242.3645.7423.26%10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	7,000	155.47	191.68	36.21	23.29%
10,000217.19267.7050.5123.25%11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	8,000	176.05	217.02	40.97	23.27%
11,000237.77293.0455.2723.25%12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.21%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	9,000	196.62	242.36	45.74	23.26%
12,000258.34318.3860.0423.24%13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.21%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	10,000	217.19	267.70	50.51	23.25%
13,000278.92343.7264.8023.23%14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	11,000	237.77	293.04	55.27	23.25%
14,000299.49369.0669.5723.23%15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	12,000	258.34	318.38	60.04	23.24%
15,000320.06394.4074.3423.23%16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	13,000	278.92	343.72	64.80	23.23%
16,000340.64419.7479.1023.22%17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	14,000	299.49	369.06	69.57	23.23%
17,000361.21445.0883.8723.22%18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	15,000	320.06	394.40	74.34	23.23%
18,000381.79470.4288.6323.22%19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	16,000	340.64	419.74	79.10	23.22%
19,000402.36495.7693.4023.21%20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	17,000	361.21	445.08	83.87	23.22%
20,000422.94521.1098.1623.21%21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	18,000	381.79	470.42	88.63	23.22%
21,000443.51546.44102.9323.21%22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	19,000	402.36	495.76	93.40	23.21%
22,000464.08571.78107.7023.21%23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	20,000	422.94	521.10	98.16	23.21%
23,000484.66597.12112.4623.20%24,000505.23622.46117.2323.20%	21,000	443.51	546.44	102.93	23.21%
24,000 505.23 622.46 117.23 23.20%	22,000	464.08	571.78	107.70	23.21%
•	23,000	484.66	597.12	112.46	23.20%
25,000 525.81 647.80 121.99 23.20%	24,000	505.23	622.46	117.23	23.20%
	25,000	525.81	647.80	121.99	23.20%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 3 SCRANTON RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS U	JNDER		
CONSUMPTION	PRESENT	PROPOSED	INCRI	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$20.30	\$19.50	(\$0.80)	-3.96%
100	21.41	20.56	(0.85)	-3.96%
500	25.82	24.80	(1.02)	-3.96%
1,000	31.34	30.10	(1.24)	-3.96%
2,000	42.38	40.70	(1.68)	-3.96%
3,000	53.41	51.30	(2.11)	-3.96%
3,212 *	55.75	53.55	(2.21)	-3.96%
3,500	58.93	56.60	(2.33)	-3.96%
4,000	64.45	61.90	(2.55)	-3.96%
5,000	75.49	72.50	(2.99)	-3.96%
6,000	86.52	83.10	(3.42)	-3.96%
7,000	97.56	93.70	(3.86)	-3.96%
8,000	108.60	104.30	(4.30)	-3.96%
9,000	119.63	114.90	(4.73)	-3.96%
10,000	130.67	125.50	(5.17)	-3.96%
11,000	141.71	136.10	(5.61)	-3.96%
12,000	152.74	146.70	(6.04)	-3.96%
13,000	163.78	157.30	(6.48)	-3.96%
14,000	174.82	167.90	(6.92)	-3.96%
15,000	185.85	178.50	(7.35)	-3.96%
16,000	196.89	189.10	(7.79)	-3.96%
17,000	207.93	199.70	(8.23)	-3.96%
18,000	218.96	210.30	(8.66)	-3.96%
19,000	230.00	220.90	(9.10)	-3.96%
20,000	241.04	231.50	(9.54)	-3.96%
21,000	252.07	242.10	(9.97)	-3.96%
22,000	263.11	252.70	(10.41)	-3.96%
23,000	274.15	263.30	(10.85)	-3.96%
24,000	285.18	273.90	(11.28)	-3.96%
25,000	296.22	284.50	(11.72)	-3.96%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 4 KANE RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS U	JNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$66.84	\$73.50	6.66	9.96%
100	66.84	73.50	6.66	9.96%
500	66.84	73.50	6.66	9.96%
1,000	66.84	73.50	6.66	9.96%
2,000	66.84	73.50	6.66	9.96%
3,000	77.57	85.31	7.74	9.98%
3,212 *	79.85	87.81	7.97	9.98%
3,500	82.94	91.22	8.28	9.98%
4,000	88.30	97.12	8.82	9.98%
5,000	99.04	108.93	9.89	9.99%
6,000	109.77	120.74	10.97	10.00%
7,000	120.50	132.55	12.05	10.00%
8,000	131.23	144.36	13.13	10.00%
9,000	141.96	156.17	14.21	10.01%
10,000	152.70	167.98	15.28	10.01%
11,000	164.62	181.09	16.48	10.01%
12,000	176.53	194.20	17.67	10.01%
13,000	188.45	207.31	18.86	10.01%
14,000	200.37	220.42	20.05	10.01%
15,000	212.29	233.53	21.24	10.00%
16,000	224.21	246.64	22.43	10.00%
17,000	236.13	259.75	23.62	10.00%
18,000	248.05	272.86	24.81	10.00%
19,000	259.97	285.97	26.00	10.00%
20,000	271.89	299.08	27.19	10.00%
21,000	283.81	312.19	28.39	10.00%
22,000	295.72	325.30	29.58	10.00%
23,000	307.64	338.41	30.77	10.00%
24,000	319.56	351.52	31.96	10.00%
25,000	331.48	364.63	33.15	10.00%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 6 PORT VUE RESIDENTIAL - MONTHLY 5/8 INCH METERS

	BILLS U	JNDER		
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$11.45	\$14.30	\$2.85	24.86%
100	13.02	16.25	3.24	24.86%
500	19.26	24.05	4.79	24.86%
1,000	27.07	33.80	6.73	24.86%
2,000	42.69	53.30	10.61	24.86%
3,000	58.31	72.80	14.49	24.86%
3,212 *	61.62	76.93	15.32	24.86%
3,500	66.12	82.55	16.43	24.86%
4,000	73.93	92.30	18.37	24.86%
5,000	89.54	111.80	22.26	24.86%
6,000	105.16	131.30	26.14	24.86%
7,000	120.78	150.80	30.02	24.86%
8,000	136.40	170.30	33.90	24.86%
9,000	152.02	189.80	37.78	24.86%
10,000	167.63	209.30	41.67	24.86%
11,000	183.25	228.80	45.55	24.86%
12,000	198.87	248.30	49.43	24.86%
13,000	214.49	267.80	53.31	24.86%
14,000	230.11	287.30	57.19	24.86%
15,000	245.72	306.80	61.08	24.86%
16,000	261.34	326.30	64.96	24.86%
17,000	276.96	345.80	68.84	24.86%
18,000	292.58	365.30	72.72	24.86%
19,000	308.20	384.80	76.60	24.86%
20,000	323.81	404.30	80.49	24.86%
21,000	339.43	423.80	84.37	24.86%
22,000	355.05	443.30	88.25	24.86%
23,000	370.67	462.80	92.13	24.86%
24,000	386.29	482.30	96.01	24.86%
25,000	401.90	501.80	99.90	24.86%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 6 MCKEESPORT COMMERCIAL - MONTHLY 5/8 INCH METERS

CONSUMPTION	PRESENT	PROPOSED	INCRI	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$28.63	\$35.80	\$7.17	25.03%
100	30.15	37.67	7.52	24.94%
500	36.22	45.15	8.93	24.65%
1,000	43.80	54.49	10.69	24.40%
2,000	58.97	73.18	14.21	24.09%
3,000	74.14	91.87	17.73	23.91%
3,500	81.73	101.22	19.49	23.84%
4,000	89.31	110.56	21.25	23.79%
5,000	104.48	129.25	24.77	23.70%
6,000	119.65	147.94	28.29	23.64%
7,000	134.82	166.63	31.81	23.59%
8,000	150.00	185.32	35.32	23.55%
9,000	165.17	204.01	38.84	23.52%
10,000	180.34	222.70	42.36	23.49%
16,000	271.36	334.84	63.48	23.39%
20,000	332.04	409.60	77.56	23.36%
21,000	347.21	428.29	81.08	23.35%
22,000	362.38	446.98	84.60	23.35%
22,561	* 370.89	457.47	86.58	23.34%
23,000	377.55	465.67	88.12	23.34%
23,692	388.05	478.60	90.56	23.34%
24,000	392.72	484.36	91.64	23.33%
25,000	407.89	503.05	95.16	23.33%
26,000	423.06	521.74	98.68	23.33%
27,000	438.23	540.43	102.20	23.32%
28,000	453.40	559.12	105.72	23.32%
29,000	468.57	577.81	109.24	23.31%
30,000	483.74	596.50	112.76	23.31%
40,000	635.44	783.40	147.96	23.28%
50,000	787.15	970.30	183.15	23.27%
60,000	938.85	1,157.20	218.35	23.26%
70,000	1,090.55	1,344.10	253.55	23.25%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 3 SCRANTON COMMERCIAL (C) - MONTHLY 5/8 INCH METERS

CONSUMPTION	PRESENT	PROPOSED	INCRI	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$20.30	\$19.50	(\$0.80)	-3.96%
100	21.41	20.56	(0.85)	-3.96%
500	25.82	24.80	(1.02)	-3.96%
1,000	31.34	30.10	(1.24)	-3.96%
2,000	42.38	40.70	(1.68)	-3.96%
3,000	53.41	51.30	(2.11)	-3.96%
3,500	58.93	56.60	(2.33)	-3.96%
4,000	64.45	61.90	(2.55)	-3.96%
5,000	75.49	72.50	(2.99)	-3.96%
6,000	86.84	83.40	(3.44)	-3.96%
7,000	98.19	94.31	(3.89)	-3.96%
8,000	109.54	105.21	(4.33)	-3.96%
9,000	120.90	116.11	(4.78)	-3.96%
10,000	132.25	127.02	(5.23)	-3.96%
16,000	200.36	192.43	(7.93)	-3.96%
20,000	245.77	236.05	(9.73)	-3.96%
21,000	257.12	246.95	(10.17)	-3.96%
22,000	268.47	257.85	(10.62)	-3.96%
22,561	* 274.84	263.97	(10.88)	-3.96%
23,000	279.83	268.75	(11.07)	-3.96%
23,692	287.68	276.30	(11.38)	-3.96%
24,000	291.18	279.66	(11.52)	-3.96%
25,000	302.53	290.56	(11.97)	-3.96%
26,000	313.88	301.46	(12.42)	-3.96%
27,000	325.24	312.37	(12.87)	-3.96%
28,000	336.59	323.27	(13.32)	-3.96%
29,000	347.94	334.17	(13.77)	-3.96%
30,000	359.29	345.08	(14.22)	-3.96%
40,000	472.81	454.11	(18.71)	-3.96%
50,000	586.34	563.14	(23.20)	-3.96%
60,000	699.86	672.17	(27.69)	-3.96%
70,000	813.38	781.20	(32.19)	-3.96%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 4 KANE COMMERCIAL - MONTHLY 5/8 INCH METERS

CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$66.84	\$73.50	6.66	9.96%
100	66.84	73.50	6.66	9.96%
500	66.84	73.50	6.66	9.96%
1,000	66.84	73.50	6.66	9.96%
2,000	66.84	73.50	6.66	9.96%
3,000	77.57	85.31	7.74	9.98%
3,500	82.94	91.22	8.28	9.98%
4,000	88.30	97.12	8.82	9.98%
5,000	99.04	108.93	9.89	9.99%
6,000	109.77	120.74	10.97	10.00%
7,000	120.50	132.55	12.05	10.00%
8,000	131.23	144.36	13.13	10.00%
9,000	141.96	156.17	14.21	10.01%
10,000	152.70	167.98	15.28	10.01%
16,000	224.21	246.64	22.43	10.00%
20,000	271.89	299.08	27.19	10.00%
21,000	283.81	312.19	28.39	10.00%
22,000	295.72	325.30	29.58	10.00%
22,561 *	302.41	332.65	30.24	10.00%
23,000	307.64	338.41	30.77	10.00%
23,692	315.89	347.48	31.59	10.00%
24,000	319.56	351.52	31.96	10.00%
25,000	331.48	364.63	33.15	10.00%
26,000	343.40	377.74	34.34	10.00%
27,000	355.32	390.85	35.53	10.00%
28,000	367.24	403.96	36.72	10.00%
29,000	379.16	417.07	37.91	10.00%
30,000	391.08	430.18	39.10	10.00%
40,000	521.16	573.28	52.12	10.00%
50,000	651.24	716.38	65.14	10.00%
60,000	781.32	859.48	78.16	10.00%
70,000	911.40	1,002.58	91.18	10.00%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 6 MCKEESPORT INDUSTRIAL - MONTHLY 2 INCH METERS

	BILLS			
CONSUMPTION	PRESENT	PROPOSED	INCR	EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$28.63	\$35.80	\$7.17	25.03%
1,000	43.80	54.49	10.69	24.40%
2,000	58.97	73.18	14.21	24.09%
3,000	74.14	91.87	17.73	23.91%
4,000	89.31	110.56	21.25	23.79%
5,000	104.48	129.25	24.77	23.70%
10,000	180.34	222.70	42.36	23.49%
16,000	271.36	334.84	63.48	23.39%
20,000	332.04	409.60	77.56	23.36%
30,000	483.74	596.50	112.76	23.31%
40,000	635.44	783.40	147.96	23.28%
50,000	787.15	970.30	183.15	23.27%
60,000	938.85	1,157.20	218.35	23.26%
70,000	1,090.55	1,344.10	253.55	23.25%
80,000	1,242.26	1,531.00	288.74	23.24%
90,000	1,393.96	1,717.90	323.94	23.24%
100,000	1,545.66	1,904.80	359.14	23.24%
200,000	3,062.69	3,773.80	711.11	23.22%
300,000	4,579.72	5,642.80	1,063.08	23.21%
400,000	6,096.75	7,511.80	1,415.05	23.21%
500,000	7,613.78	9,380.80	1,767.03	23.21%
528,207	* 8,041.68	9,907.99	1,866.31	23.21%
600,000	9,130.80	11,249.80	2,119.00	23.21%
700,000	10,647.83	13,118.80	2,470.97	23.21%
800,000	12,164.86	14,987.80	2,822.94	23.21%
900,000	13,681.89	16,856.80	3,174.91	23.21%
1,000,000	15,198.92	18,725.80	3,526.88	23.20%
1,100,000	16,715.95	20,594.80	3,878.85	23.20%
1,200,000	18,232.97	22,463.80	4,230.83	23.20%
1,300,000	19,750.00	24,332.80	4,582.80	23.20%
1,400,000	21,267.03	26,201.80	4,934.77	23.20%
1,500,000	22,784.06	28,070.80	5,286.74	23.20%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ZONE 3 SCRANTON INDUSTRIAL (C) - MONTHLY 2 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$20.30	\$19.50	(\$0.80)	-3.96%
1,000	31.34	30.10	(1.24)	-3.96%
2,000	42.38	40.70	(1.68)	-3.96%
3,000	53.41	51.30	(2.11)	-3.96%
4,000	64.45	61.90	(2.55)	-3.96%
5,000	75.49	72.50	(2.99)	-3.96%
10,000	132.25	127.02	(5.23)	-3.96%
16,000	200.36	192.43	(7.93)	-3.96%
20,000	245.77	236.05	(9.73)	-3.96%
30,000	359.29	345.08	(14.22)	-3.96%
40,000	472.81	454.11	(18.71)	-3.96%
50,000	586.34	563.14	(23.20)	-3.96%
60,000	699.86	672.17	(27.69)	-3.96%
70,000	813.38	781.20	(32.19)	-3.96%
80,000	926.90	890.23	(36.68)	-3.96%
90,000	1,040.42	999.26	(41.17)	-3.96%
100,000	1,153.95	1,108.29	(45.66)	-3.96%
200,000	2,289.17	2,198.59	(90.58)	-3.96%
300,000	3,424.39	3,288.89	(135.50)	-3.96%
400,000	4,559.61	4,379.19	(180.42)	-3.96%
500,000	5,694.83	5,469.49	(225.34)	-3.96%
528,207 *	^{6,015.04}	5,777.03	(238.01)	-3.96%
600,000	6,830.05	6,559.79	(270.26)	-3.96%
700,000	7,965.27	7,650.09	(315.18)	-3.96%
800,000	9,100.49	8,740.39	(360.10)	-3.96%
900,000	10,235.71	9,830.69	(405.02)	-3.96%
1,000,000	11,370.93	10,920.99	(449.94)	-3.96%
1,100,000	12,506.15	12,011.29	(494.86)	-3.96%
1,200,000	13,641.37	13,101.59	(539.79)	-3.96%
1,300,000	14,776.59	14,191.89	(584.71)	-3.96%
1,400,000	15,911.81	15,282.19	(629.63)	-3.96%
1,500,000	17,047.03	16,372.49	(674.55)	-3.96%

* Average monthly bill.

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RATE ZONE 4 KANE INDUSTRIAL - MONTHLY 2 INCH METERS

	BILLS U			
CONSUMPTION	APTION PRESENT PROPOSED			EASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$133.69	\$147.10	13.41	10.03%
1,000	133.69	147.10	13.41	10.03%
2,000	133.69	147.10	13.41	10.03%
3,000	144.42	158.91	14.49	10.03%
4,000	155.15	170.72	15.57	10.03%
5,000	165.89	182.53	16.64	10.03%
10,000	219.55	241.58	22.03	10.04%
16,000	291.06	320.24	29.18	10.03%
20,000	338.74	372.68	33.94	10.02%
30,000	457.93	503.78	45.85	10.01%
40,000	588.01	646.88	58.87	10.01%
50,000	718.09	789.98	71.89	10.01%
60,000	848.17	933.08	84.91	10.01%
70,000	978.25	1,076.18	97.93	10.01%
80,000	1,108.33	1,219.28	110.95	10.01%
90,000	1,238.41	1,362.38	123.97	10.01%
100,000	1,368.49	1,505.48	136.99	10.01%
200,000	2,669.29	2,936.48	267.19	10.01%
300,000	3,970.09	4,367.48	397.39	10.01%
400,000	5,270.89	5,798.48	527.59	10.01%
500,000	6,571.69	7,229.48	657.79	10.01%
528,207	* 6,938.60	7,633.12	694.52	10.01%
600,000	7,872.49	8,660.48	787.99	10.01%
700,000	9,173.29	10,091.48	918.19	10.01%
800,000	10,474.09	11,522.48	1,048.39	10.01%
900,000	11,774.89	12,953.48	1,178.59	10.01%
1,000,000	13,075.69	14,384.48	1,308.79	10.01%
1,100,000	14,376.49	15,815.48	1,438.99	10.01%
1,200,000	15,677.29	17,246.48	1,569.19	10.01%
1,300,000	16,978.09	18,677.48	1,699.39	10.01%
1,400,000	18,278.89	20,108.48	1,829.59	10.01%
1,500,000	19,579.69	21,539.48	1,959.79	10.01%

* Average monthly bill.

PENNSYLVANIA-AMERICAN WATER COMPANY UPPER POTTSGROVE WASTEWATER OPERATIONS SUMMARY OF APPLICATION OF PRESENT AND PROPOSED RATES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2023

Upper Pottsgrove							Late	
Acquisition	Residential	Commercial	Industrial	Municipal	Bulk WW	Total Sales	Payments (*)	Total Revenues
Present Rate Application	\$1,228,500	\$51,480	\$35 <i>,</i> 880	\$24,960		\$1,340,820	\$8,371	\$1,349,191
Proposed Rate Application	\$1,795,500	\$75,240	\$52,440	\$36,480		\$1,959,660	\$12,234	\$1,971,894
Change in Revenues	\$567,000	\$23,760	\$16,560	\$11,520		\$618,840	\$3,863	\$622,703
	+	+,	+/	+/		+	+-,	+)
% Change in Revenues	46.00%	46.00%	46.00%	46.00%		46.00%	46.00%	46.00%

(*) Utilized the same 0.6243% late payment rate as calculated for PA American Water Company.

PENNSYLVANIA-AMERICAN WATER COMPANY UPPER POTTSGROVE WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO RESIDENTIAL CLASS BILL ANALYSIS

			Annualized			Proforma			Proforma		Proforma	
	2021 Billing		2021	2022 Billing		2022	2023 Billing	Present	2023	Proposed	2023 Revenue	% Percent
All Class	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenue	Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Flat Rate (Unmetered)												
Residential				18,660	\$65.00	\$1,212,900	18,660	\$65.00	\$1,212,900	\$95.00	\$1,772,700	46.15%
Commercial				792	65.00	51,480	792	65.00	51,480	95.00	75,240	46.15%
Industrial				552	65.00	35,880	552	65.00	35,880	95.00	52,440	46.15%
Municipal				384	65.00	24,960	384	65.00	24,960	95.00	36,480	46.15%
Adjustment (1)												
Residential							240	\$65.00	\$15,600	\$95.00	22,800	46.15%
Upper Pottsgrove Acquisition		=	\$0			\$1,325,220			\$1,340,820		\$1,959,660	46.15%

Note (1) Adjustment to account for customer growth. Reference: FRII.02s

PENNSYLVANIA-AMERICAN WATER COMPANY UPPER POTTSGROVE WASTEWATER OPERATIONS

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES ALL CLASS - MONTHLY 5/8 INCH METERS

CONSUMPTION GALLONS PRESENT RATES PROPOSED RATES INCREASE 0 \$65.00 \$95.00 \$30.00 46.15% 100 65.00 95.00 \$30.00 46.15% 100 65.00 95.00 \$30.00 46.15% 1,000 65.00 95.00 \$30.00 46.15% 2,000 65.00 95.00 \$30.00 46.15% 3,000 65.00 95.00 \$30.00 46.15% 3,000 65.00 95.00 \$30.00 46.15% 3,000 65.00 95.00 \$30.00 46.15% 3,500 65.00 95.00 \$30.00 46.15% 4,000 65.00 95.00 \$30.00 46.15% 5,000 65.00 95.00 \$30.00 46.15% 6,000 65.00 95.00 \$30.00 46.15% 10,000 65.00 95.00 \$30.00 46.15% 10,000 65.00 95.00 \$30.00 46.15%				UNDER		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CONSUMPTION		PRESENT	PROPOSED		
100 65.00 95.00 $$30.00$ $46.15%$ 500 65.00 95.00 $$30.00$ $46.15%$ $1,000$ 65.00 95.00 $$30.00$ $46.15%$ $2,000$ 65.00 95.00 $$30.00$ $46.15%$ $3,000$ 65.00 95.00 $$30.00$ $46.15%$ $3,212$ * 65.00 95.00 $$30.00$ $46.15%$ $3,500$ 65.00 95.00 $$30.00$ $46.15%$ $4,000$ 65.00 95.00 $$30.00$ $46.15%$ $5,000$ 65.00 95.00 $$30.00$ $46.15%$ $6,000$ 65.00 95.00 $$30.00$ $46.15%$ $6,000$ 65.00 95.00 $$30.00$ $46.15%$ $7,000$ 65.00 95.00 $$30.00$ $46.15%$ $8,000$ 65.00 95.00 $$30.00$ $46.15%$ $10,000$ 65.00 95.00 $$30.00$ $46.15%$ $12,000$ 65.00 95.00 $$30.00$ $46.15%$ $13,000$ 65.00 95.00 $$30.00$ $46.15%$ $14,000$ 65.00 95.00 $$30.00$ $46.15%$ $15,000$ 65.00 95.00 $$30.00$ $46.15%$ $14,000$ 65.00 95.00 $$30.00$ $46.15%$ $14,000$ 65.00 95.00 $$30.00$ $46.15%$ $15,000$ 65.00 95.00 $$30.00$ $46.15%$ $10,000$ 65.00 95.00 $$30.00$ $46.15%$ $10,000$ <td>GALLONS</td> <td></td> <td>RATES</td> <td>RATES</td> <td>AMOUNT</td> <td>PERCENT</td>	GALLONS		RATES	RATES	AMOUNT	PERCENT
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22,561*65.0095.00\$30.0046.15%23,00065.0095.00\$30.0046.15%24,00065.0095.00\$30.0046.15%	21,000		65.00	95.00	\$30.00	46.15%
22,361 65.00 95.00 \$30.00 46.15% 23,000 65.00 95.00 \$30.00 46.15% 24,000 65.00 95.00 \$30.00 46.15%	22,000		65.00	95.00	\$30.00	46.15%
24,000 65.00 95.00 \$30.00 46.15%	22,561	*	65.00	95.00	\$30.00	46.15%
24,000 65.00 95.00 \$30.00 46.15%	23,000		65.00	95.00	\$30.00	46.15%
			65.00	95.00		46.15%
528,20765.0095.00\$30.0046.15%			65.00	95.00	\$30.00	46.15%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK WASTEWATER OPERATIONS SUMMARY OF APPLICATION OF PRESENT AND PROPOSED RATES FOR THE TWELVE MONTHS ENDING DECEMBER 31, 2023

York Acquisition	Residential	Commercial	Industrial	Municipal	Bulk WW	Total Sales
Present Rate Application York WW	\$4,288,976	\$3,488,143	\$1,567,537	\$0	\$8,694,694	\$18,039,350
IPP Surcharge	\$0	\$152,271	\$68,437	\$0	\$379,557	\$600,265
Other Revenues						\$116,367
Total York WW	\$4,288,976	\$3,640,414	\$1,635,974	\$0	\$9,074,251	\$18,755,982
Proposed Rate Application	\$6,309,943	\$5,126,890	\$2,303,627	\$0	\$8,694,694	\$22,435,154
IPP Surcharge	\$0	\$152,271	\$68,437	\$0	\$379,557	\$600,265
Other Revenues						\$143,810
Total York WW	\$6,309,943	\$5,279,161	\$2,372,064	\$0	\$9,074,251	\$23,179,229
Change in Revenues	\$2,020,968	\$1,638,747	\$736,090	\$0	\$0	\$4,423,248
% Change in Revenues	47.00%	45.00%	45.00%	0.00%	0.00%	24.00%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO RESIDENTIAL CLASS BILL ANALYSIS

	2021 Billing		Annualized 2021	2022 Billing		Proforma 2022	2023	Billing	Present	Proforma 2023	Proposed	Proforma 2023 Revenue	% Percent
Residential Class	Determinants	2021 Rate	Revenue	Determinants	2022 Rate	Revenue		ninants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges: Usage (in 100 Gallons)				146,004	\$18.00	\$2,628,072	:	146,004	\$18.00	\$2,628,072	\$26.50	\$3,869,106	47.22%
First 2,000 Gallons				2,746,656	\$0.0000	\$0		746,656	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 2,000 Gallons				1,772,576	0.9370	1,660,904	1,	772,576	0.9370	1,660,904	1.3770	2,440,837	46.96%
IPP Surcharge						\$0				\$0		\$0	
Total York Acquisition Residential		=	\$0		-	\$4,288,976				\$4,288,976		\$6,309,943	47.12%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO COMMERCIAL CLASS BILL ANALYSIS

	2021 Billing		Annualized 2021		2022 Billing		Proforma 2022	ſ	2023 Billing	Present	Proforma 2023	Proposed	Proforma 2023 Revenue	% Percent
Commercial Class	Determinants	2021 Rate	Revenue	D	eterminants	2022 Rate	Revenue		Determinants	Rate	Revenue	Rate	@ Proposed Rate	Change
Service Charge Consumption Charges: Usage (in 100 Gallons)					16,248	\$18.00	\$292,464		16,248	\$18.00	\$292,464	\$26.50	\$430,572	47.22%
First 2,000 Gallons					311,962	\$0.0000	\$0		311,962	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 2,000 Gallons					3,410,543	0.9370	3,195,679		3,410,543	0.9370	3,195,679	1.3770	4,696,318	46.96%
IPP Surcharge							\$152,271				\$152,271		\$152,271	
Total York Acquisition Commercial		=	\$0			=	\$3,640,414			=	\$3,640,414		\$5,279,161	45.02%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO INDUSTRIAL CLASS BILL ANALYSIS

Industrial Class	2021 Billing Determinants 2021 Rate	Annualized 2021 Revenue	Annualized 2022 Billing Determinants	2022 Rate	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
Consumption Charges: Usage (in 100 Gallons)											
All Usage			1,672,932	\$0.9370 _	\$1,567,537	1,672,932	\$0.9370	\$1,567,537	\$1.3770	\$2,303,627	46.96% -
IPP Surcharge					\$68,437			\$68,437		\$68,437	
Total York Acquisition Industrial		\$0		=	\$1,635,974			\$1,635,974		\$2,372,064	44.99%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO MUNICIPAL CLASS BILL ANALYSIS

Municipal Class	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
	Determinants	ZUZI NALE	Revenue	Determinants	ZUZZ NALE	Revenue	Determinants	Nale	Revenue	nale	@ PTOPOSEU Rate	Change
Service Charge Consumption Charges: Usage (in 100 Gallons)				0	\$18.00	\$0	0	\$18.00	\$0	\$26.50	\$0	0.00%
First 2,000 Gallons				0	\$0.0000	\$0	0	\$0.0000	\$0	\$0.0000	\$0	0.00%
All Over 2,000 Gallons				0	0.9370	0	0	0.9370	0	1.3770	0	0.00%
IPP Surcharge						\$0			\$0		\$0	
Total York Acquisition Municipal		=	\$0		-	\$0		:	\$0		\$0	0.00%

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PENNSYLVANIA-AMERICAN WATER COMPANY YORK WASTEWATER OPERATIONS APPLICATION OF PRESENT RATES AND PROPOSED RATES TO BULK WASTEWATER CLASS BILL ANALYSIS

Bulk Wastewater Class	2021 Billing Determinants	2021 Rate	Annualized 2021 Revenue	2022 Billing Determinants	2022 Rate	Proforma 2022 Revenue	2023 Billing Determinants	Present Rate	Proforma 2023 Revenue	Proposed Rate	Proforma 2023 Revenue @ Proposed Rate	% Percent Change
Consumption Charges A: Usage (in 100 Gallons)				23,079,651	\$0.3750	\$8,654,869	23,079,651	\$0.3750	\$8,654,869	\$0.3750	\$8,654,869	0.00%
Consumption Charges B: Usage (in 100 Gallons)				159,939	0.2490	39,825	159,939	0.2490	39,825	0.2490	39,825	0.00%
IPP Surcharge						\$379,557			\$379,557		\$379,557	
Total York Acquisition Bulk WW		=	\$0		-	\$9,074,251			\$9,074,251		\$9,074,251	0.00%

PENNSYLVANIA-AMERICAN WATER COMPANY MISCELLANEOUS AND OTHER OPERATING REVENUES YORK WASTEWATER OPERATIONS YEAR ENDING DECEMBER 31, 2021, 2022, AND 2023

		Per Books 2021	Adjustments	Adjusted 2021	Adjustments	2022	Adjustments	2023	Proposed 2023
536	Guaranteed Revenues	\$0		\$0		\$0		\$0	\$0
532	Late Payment Fees *	0		0	116,367	116,367	0	116,367	143,810
536	Miscellaneous Services	0		0		0		0	0
472	Rents From Property	0		0		0		0	0
473	Intercompany Rent	0		0		0		0	0
	Total Other Revenues	\$0	\$0	\$0	\$116,367	\$116,367	\$0	\$116,367	\$143,810

(*) Utilized the same 0.6243% late payment rate as calculated for PA American Water Company.

PENNSYLVANIA-AMERICAN WATER COMPANY YORK ACQUISITION

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES RESIDENTIAL - MONTHLY 5/8 INCH METERS

		BILLS	UNDER		
CONSUMPTION	-	PRESENT	PROPOSED	INCRE	ASE
GALLONS		RATES	RATES	AMOUNT	PERCENT
0		\$18.00	\$26.50	\$8.50	47.22%
100		18.00	26.50	\$8.50	47.22%
500		18.00	26.50	\$8.50	47.22%
1,000		18.00	26.50	\$8.50	47.22%
2,000		18.00	26.50	\$8.50	47.22%
3,000		27.37	40.27	\$12.90	47.13%
3,212	*	29.36	43.19	\$13.83	47.12%
3,500		32.06	47.16	\$15.10	47.11%
4,000		36.74	54.04	\$17.30	47.09%
5,000		46.11	67.81	\$21.70	47.06%
6,000		55.48	81.58	\$26.10	47.04%
7,000		64.85	95.35	\$30.50	47.03%
8,000		74.22	109.12	\$34.90	47.02%
9,000		83.59	122.89	\$39.30	47.02%
10,000		92.96	136.66	\$43.70	47.01%
11,000		102.33	150.43	\$48.10	47.00%
12,000		111.70	164.20	\$52.50	47.00%
13,000		121.07	177.97	\$56.90	47.00%
14,000		130.44	191.74	\$61.30	46.99%
15,000		139.81	205.51	\$65.70	46.99%
16,000		149.18	219.28	\$70.10	46.99%
17,000		158.55	233.05	\$74.50	46.99%
18,000		167.92	246.82	\$78.90	46.99%
19,000		177.29	260.59	\$83.30	46.99%
20,000		186.66	274.36	\$87.70	46.98%
21,000		196.03	288.13	\$92.10	46.98%
22,000		205.40	301.90	\$96.50	46.98%
23,000		214.77	315.67	\$100.90	46.98%
24,000		224.14	329.44	\$105.30	46.98%
25,000		233.51	343.21	\$109.70	46.98%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK ACQUISITION

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES COMMERCIAL- MONTHLY 5/8 INCH METERS

	BILLS	UNDER		
CONSUMPTION	PRESENT	PROPOSED	INCRE	ASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$18.00	\$26.50	\$8.50	47.22%
100	18.00	26.50	\$8.50	47.22%
500	18.00	26.50	\$8.50	47.22%
1,000	18.00	26.50	\$8.50	47.22%
2,000	18.00	26.50	\$8.50	47.22%
3,000	27.37	40.27	\$12.90	47.13%
3,500	32.06	47.16	\$15.10	47.11%
4,000	36.74	54.04	\$17.30	47.09%
5,000	46.11	67.81	\$21.70	47.06%
6,000	55.48	81.58	\$26.10	47.04%
7,000	64.85	95.35	\$30.50	47.03%
8,000	74.22	109.12	\$34.90	47.02%
9,000	83.59	122.89	\$39.30	47.02%
10,000	92.96	136.66	\$43.70	47.01%
16,000	149.18	219.28	\$70.10	46.99%
20,000	186.66	274.36	\$87.70	46.98%
21,000	196.03	288.13	\$92.10	46.98%
22,000	205.40	301.90	\$96.50	46.98%
22,561	* 210.66	309.62	\$98.97	46.98%
23,000	214.77	315.67	\$100.90	46.98%
23,692	221.25	325.20	\$103.94	46.98%
24,000	224.14	329.44	\$105.30	46.98%
25,000	233.51	343.21	\$109.70	46.98%
26,000	242.88	356.98	\$114.10	46.98%
27,000	252.25	370.75	\$118.50	46.98%
28,000	261.62	384.52	\$122.90	46.98%
29,000	270.99	398.29	\$127.30	46.98%
30,000	280.36	412.06	\$131.70	46.98%
40,000	374.06	549.76	\$175.70	46.97%
50,000	467.76	687.46	\$219.70	46.97%
60,000	561.46	825.16	\$263.70	46.97%
70,000	655.16	962.86	\$307.70	46.97%

PENNSYLVANIA-AMERICAN WATER COMPANY YORK ACQUISITION

COMPARISON OF BILLS UNDER PRESENT AND 2022 RATES INDUSTRIAL- MONTHLY 2 INCH METERS

	BILLS			
CONSUMPTION	PRESENT	PROPOSED	INCE	REASE
GALLONS	RATES	RATES	AMOUNT	PERCENT
0	\$0.00	\$0.00	\$0.00	0.00%
1,000	9.37	13.77	\$4.40	46.96%
2,000	18.74	27.54	\$8.80	46.96%
3,000	28.11	41.31	\$13.20	46.96%
4,000	37.48	55.08	\$17.60	46.96%
5,000	46.85	68.85	\$22.00	46.96%
10,000	93.70	137.70	\$44.00	46.96%
16,000	149.92	220.32	\$70.40	46.96%
20,000	187.40	275.40	\$88.00	46.96%
30,000	281.10	413.10	\$132.00	46.96%
40,000	374.80	550.80	\$176.00	46.96%
50,000	468.50	688.50	\$220.00	46.96%
60,000	562.20	826.20	\$264.00	46.96%
70,000	655.90	963.90	\$308.00	46.96%
80,000	749.60	1,101.60	\$352.00	46.96%
90,000	843.30	1,239.30	\$396.00	46.96%
100,000	937.00	1,377.00	\$440.00	46.96%
200,000	1,874.00	2,754.00	\$880.00	46.96%
300,000	2,811.00	4,131.00	\$1,320.00	46.96%
400,000	3,748.00	5,508.00	\$1,760.00	46.96%
500,000	4,685.00	6,885.00	\$2,200.00	46.96%
528,207	* 4,949.30	7,273.41	\$2,324.11	46.96%
600,000	5,622.00	8,262.00	\$2,640.00	46.96%
700,000	6,559.00	9,639.00	\$3,080.00	46.96%
800,000	7,496.00	11,016.00	\$3,520.00	46.96%
900,000	8,433.00	12,393.00	\$3,960.00	46.96%
1,000,000	9,370.00	13,770.00	\$4,400.00	46.96%
1,100,000	10,307.00	15,147.00	\$4,840.00	46.96%
1,200,000	11,244.00	16,524.00	\$5,280.00	46.96%
1,300,000	12,181.00	17,901.00	\$5,720.00	46.96%
1,400,000	13,118.00	19,278.00	\$6,160.00	46.96%
1,500,000	14,055.00	20,655.00	\$6,600.00	46.96%