



**Teresa K. Harrold**  
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**VIA** eFiling

January 3, 2024

Rosemary Chiavetta, Secretary  
Commonwealth of Pennsylvania  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building, 2nd Floor  
400 North Street  
Harrisburg, PA 17120

**Re:** Application of Pennsylvania-American Water Company for Approval of (1) the Right to Offer, Render, Furnish or Supply Water Service to the Public in a Portion of Dimock Township, Susquehanna County, Pennsylvania Pursuant to Section 1102 of the Pennsylvania Public Utility Code, 66 Pa C.S. § 1102; (2) the Offsite Development Marketing Agreement by and between Pennsylvania-American Water Company and the Office of the Attorney General Pursuant to Rule 23.2 of Pennsylvania-American Water Company's Tariff Water-PA P.U.C. No. 5; and (3) approve, as necessary, the limited waivers of Pennsylvania-American Water Company's Tariff Water-PA P.U.C. No. 5

**Docket No. A-2023-3043501**

Dear Secretary Chiavetta:

On December 15, 2023, Pennsylvania-American Water Company (the "Company") received Data Request Set 1 from the Bureau of Technical Utility Services for the above-referenced Application. The Company was granted an extension until January 3, 2024, to respond to the data requests.

Enclosed are the Company's responses to the data request. The responses have been served upon the parties listed on the enclosed Certificate of Service.

If you have any questions, please contact me.

Sincerely,

Teresa K. Harrold

Enclosures

cc: All Parties on the attached Certificate of Service  
P. Zander, Bureau of Technical Utility Services w/Encs. **VIA** email

Pennsylvania-American Water Company's Responses to the  
Bureau of Technical Utility Services Data Request Set 1

Docket No. A-2023-3043501

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the right to offer, render, furnish and supply water service to the public  
in a portion of Dimock Township, Susquehanna County

A-1. The Application's Exhibits E and F included a map and written description, respectively, of the requested service territory that used several roadway centerlines and intersections to define the requested territory's boundaries. However, roadway centerlines and intersections may shift or may be eliminated with future roadway expansion and realignment projects. Please provide revised Exhibits E and F to include a revised description of PAWC's requested service territory's boundaries using geographic coordinates for origin points and corresponding bearing angles and distances from each point. Also, please quantify the area of the revised requested service territory in acres of land.

Response: The Exhibit E map has been revised utilizing geographic coordinates and corresponding bearing angles and distances from each point for the boundaries along the roadways. Please see A-1\_Attachment 1. The Exhibit F table description has also been revised corresponding to the changes made to the map in Exhibit E. Please see A-1\_Attachment 2. The total area (in acres) within the service territory boundaries has also been revised and is listed on both Exhibits E and F.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A.2 The Application's Paragraph 20 and Exhibit A of the *pro forma* Offsite Development Marketing Agreement (ODMA) included in the Application's Exhibit D specified that proposed water facilities (the Water System) will include two wells. However, the map included with the ODMA's Exhibit A appears to depict the location of only one well. Please clarify the number of wells to be constructed as part of the Water System and provide a revised map depicting all well locations if there will be more than one well.

Response: The design and permitting of this project are still in the preliminary stages and the actual well locations have not been determined. The scope of the project is to provide two (2) supply wells (1 primary and 1 backup) and that both the primary well and the backup well will have sufficient production capacity to meet the demands of the system with only 1 well in operation. We are working on finding a site where we can drill both wells on the same parcel of land a short distance apart so that essentially, they are in the same location on a large-scale map, such as in Exhibit A. Based on this, the map provided in the application can, for the purposes of a preliminary representation, be the location of both wells for this project.

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A-3. Please provide a detailed breakdown, by major plant category, of the Water System's total construction and installation costs that includes material type descriptions, quantities, sizes, lengths, unit costs and extended costs. This breakdown must separately identify values for wells, storage tanks, distribution mains, water supply meters, customer meters, PAWC-owned service lines, and other assets, by major plant account, including meter quantities and sizes, distribution main and PAWC-owned service line material types, sizes, and lengths, and storage tank sizes and material types.

Response: The cost estimate (Exhibit G) provided in the application is only a preliminary estimate based on the preliminary design level. Exhibit G has been revised to recategorize the various items as described in the above request as best we can at this time. Please see A-3\_Attachment.

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A-4. Please provide an estimate of the number of customers, by customer class,  
anticipated to connect to the Water System upon completion of its construction.

Response: Upon completion of construction and the Water System being placed in service  
there will be an estimated 21 residential customers that will connect to the Water  
System.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A-5. Please provide an estimate of the number of customers, by customer class, anticipated to connect to the Water System within five years of the Water System being placed in service.

Response: Within five years of the Water System construction being completed and placed in service there will be an estimated total of 48 residential customers connected to the Water System. This includes the initial 21 at completion of construction plus an additional 27 who could connect during the five years following completion. This is the total number of customers shown in the service territory map and being provided in the design of the Water System.

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A-6. Please quantify the Water System's anticipated initial peak and average daily water demands, respectively.

Response: The Water Systems anticipated initial peak and average daily water demands, at the completion of construction are as follows:

Average daily demand:  $21 \text{ customers} \times 200 \text{ GPD/customer} = 4,200 \text{ GPD}$

Peak daily demand:  $21 \text{ customers} \times 720 \text{ GPD/customer} = 15,120 \text{ GPD}$

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A-7. Please quantify the Water System's anticipated peak and average daily water demands, respectively, for the fifth year after the Water System is placed in service.

Response: The Water System's anticipated peak and average daily water demands in gallons per day (GPD), for year five after the Water System construction was completed and placed in service are as follows:

Average daily demand:  $48 \text{ customers} \times 200 \text{ GPD/customer} = 9,600 \text{ GPD}$

Peak daily demand:  $48 \text{ customers} \times 720 \text{ GPD/customer} = 34,560 \text{ GPD}$

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A-8. Please provide the Water System's anticipated design peak and average daily production capacities, respectively, for each Water System source of supply.

Response: The design and permitting of this project is still in the preliminary stages and the actual well locations have not be determined. The scope of the project is to provide two (2) supply wells (1 primary and 1 backup) and that both the primary well and the backup well will have sufficient production capacity to meet the demands of the system with only 1 well in operation. We are tasked with finding wells capable of a minimum of 30 gallons per minute (GPM) of production capacity and preferably more. A well with 30 GPM of production capacity would equate to 43,200 GPD of production capacity.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A-9. Please quantify the Water System's anticipated design peak and average daily  
treatment capacities, respectively, for the Water System's water treatment plant.

Response: The Water System's groundwater treatment plant would have the same peak design  
treatment capacity as the rated production capacity of the well which is anticipated  
to be a minimum of 43,200 GPD (30 GPM). The average design treatment capacity  
would be 9,600 GPD.

Name: Jeremy Nelson, P.E.  
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A-10. Please provide the Water System's permitted production capacities.

Response: The design and permitting of this Water System project is still in the preliminary stages and the wells have not been drilled yet so well production capacities have not been determined or permitted yet.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A-11. Please provide the Water System's permitted treatment capacity.

Response: The design and permitting of this project is still in the preliminary stages and the wells have not been drilled yet so the actual treatment system capacity has not be determined or permitted yet.

Name: Jeremy Nelson, P.E.  
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A-12. Please confirm that after Water System construction and installation, PAWC will be able to provide adequate water supply, treatment, storage and distribution capacity to meet the demands of customers in the requested territory.

Response: Upon completion of design and construction of the Water System, PAWC will be able to provide adequate water supply, treatment, storage and distribution capacity to meet the demands of the customers in the requested territory.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A-13. Please provide a copy of the Water System's Pennsylvania Department of  
Environmental Protection (DEP) public water supply (PWS) construction permit.

Response: The design and permitting of this project is still in the preliminary stages and the  
Water System does not have a Pennsylvania Department of Environmental  
Protection (DEP) public water supply (PWS) construction permit yet.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A-14. Please provide a copy of PAWC's PWS construction permit application to DEP for  
the Water System.

Response: The design and permitting of this project is still in the preliminary stages and  
PAWC has not prepared a Pennsylvania Department of Environmental Protection  
(DEP) public water supply (PWS) construction permit application for the Water  
System yet.

Name: Jeremy Nelson, P.E.  
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A-15. Please identify the necessary permits, easements, and rights of way required to construct, operate, or maintain the Water System, their estimated costs, the entity responsible for obtaining each applicable permit, easement, or right-of-way, and the current status of obtaining each permit (e.g., received, applied for, not yet applied for).

Response: The design and permitting of the Water System is still in the preliminary stages and PAWC has not identified all the easements and right of way required. Below is a table of the permits PAWC anticipates needing for construction of the Water System:

Permit Description	Entity Responsible to Obtain Permit	Cost of Permit Fee	Status of Permit
PA DEP Public Water Supply Construction Permit	PAWC	\$300	Not yet applied for
PA DEP General Permits for utility line stream crossings (GP-5)	PAWC	\$250 x 7 crossings	Not yet applied for
PA DEP General NPDES Permit (PAG-02) for Stormwater Discharges Associated with Construction Activities	PAWC	\$500	Not yet applied for
Susquehanna County Conservation District Erosion & Sediment Control Plan Review	PAWC	\$1,000	Not yet applied for
PennDOT Highway Occupancy Permit	PAWC	TBD varies depending on length	Not yet applied for

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Municipal Building Permit	PAWC	TBD	Not yet applied for
PA DEP Public Water Supply Operations Permit	PAWC	\$50	Not yet applied for

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A-16. Please indicate if Dimock Township has a mandatory connection ordinance for water service. If so, please clarify if the subject ordinance requires mandatory water service connections in the requested territory.

Response: Dimock Township does not have a mandatory connection ordinance for water service.

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A-17. Please provide a valid certified operator's certificate for the certified water operator that PAWC will use to operate the Water System.

Response: PAWC will use Don A Kessler Jr., the Sr. manager of operations for its Northeast districts, as the certified water operator for the Water System. A copy of the current operator's certificate is attached as A-17\_Attachment.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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A-18. The ODMA's Paragraph 7 indicated that PAWC will install service lines and behind-the-meter facilities on behalf of customers. However, Paragraph 7 also stated that the Office of Attorney General (OAG) shall not be responsible for any costs associated with Paragraph 7. Please specify the entity that is responsible for the cost of installing service lines and behind the meter facilities and for abandoning customer wells. If PAWC is responsible for any of these costs, identify the sources of funds for these costs (i.e., contributed funds, debt, equity, etc.).

Response: The ODMA's Paragraph 7 describes the operation and ownership of the Water System, for which OAG will not be responsible. The cost of installing service lines and behind the meter facilities and for abandoning customer wells for the 21 Impacted Customers is included in the \$11,043,665 estimated project cost mentioned in Paragraph 5 of the ODMA and shown in Exhibit G. This \$11,043,665 will be paid out of the \$16.29 Million transferred by Coterra Energy to an escrow account held by the OAG. PAWC is not responsible for any of these service line costs.

Name: Jeremy Nelson, P.E.  
Title: Senior Engineer – Pennsylvania-American Water Company

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- A-19. The ODMA's Paragraph 8 specified that at the time the final memorandum is executed, the OAG will make a lump sum payment to PAWC of \$1.05 million (Lump Sum Payment), which will be credited in the amount of \$50,000 each to the water bills of certain properties. Please provide responses for each of the following:
- a. Explain whether Lump Sum Payment funds will be available to PAWC without any restrictions on how funds may be used or identify applicable Lump Sum Payment fund restrictions. Also, state whether Lump Sum Payment funds may be invested;
  - b. Explain how PAWC will treat Lump Sum Payment funds for accounting purposes (e.g., PAWC will record the Lump Sum Payment, and any related gains/losses, as a liability under Account 253 – Other Deferred Credits until recognized in rates, etc.); and
  - c. Explain how PAWC will treat Lump Sum Payment funds for ratemaking purposes (e.g., PAWC will deduct remaining Lump Sum Payment funds, and any related gains/losses, from rate base until recognized in rates, etc.).

Response:

- a. PAWC is required to allocate the credits to Dimock customer accounts. PAWC will apply the funds as credits to customer premises.
- b. The credits to customer accounts will be recorded as a positive balance in Customer Accounts Receivable, Account 141.
- c. At this time, the Company does not anticipate there will be a ratemaking impact as the funds will be held as credits to the accounts.

Name: Ashley E. Everette  
Title: Sr. Director, Rates & Regulatory – American Water Works Service Company, Inc.

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A-20. The ODMA's Exhibit A indicated that PAWC is upgrading its billing system to allow it to administer the \$50,000 credits to eligible customers within the requested service territory. Please quantify the anticipated capital costs for this billing system upgrade and identify the sources of funds for this upgrade (i.e., contributed funds, debt, equity, etc.).

Response: The anticipated capital costs for this billing system upgrade are estimated to be \$72,400 and will be funded similar to other capital projects; i.e. initially funded through short term debt, later converted to long-term capital. The Coterra settlement funds cannot be used for PAWC's IT upgrades.

Name: Ashley E. Everette  
Title: Sr. Director, Rates & Regulatory – American Water Works Service Company, Inc.

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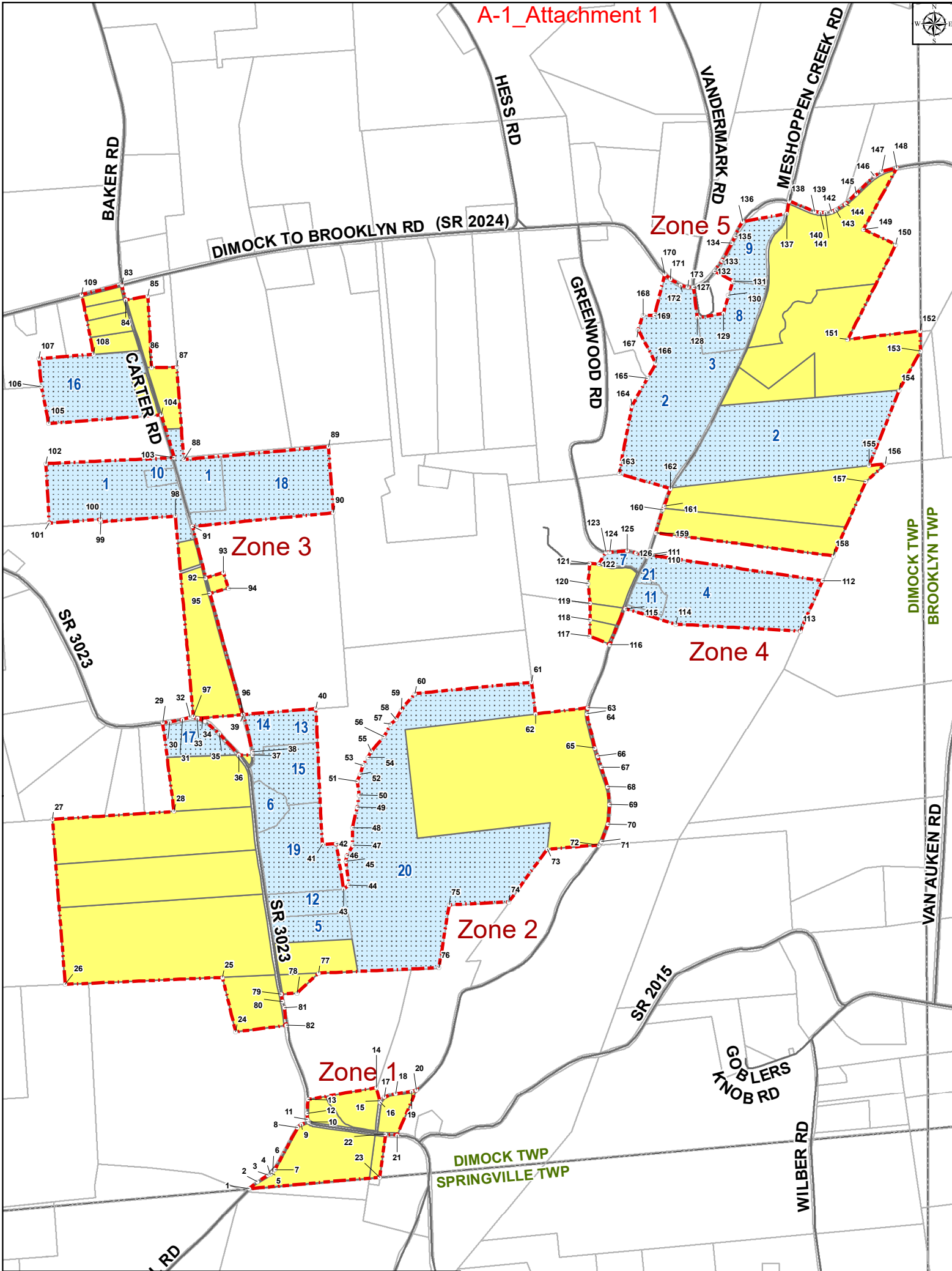
Application of Pennsylvania-American Water Company for the approval of  
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A-21. In the Application's Paragraph 22, PAWC specified that it is requesting that the Commission approve "a limited waiver of [PAWC]'s tariff rules providing that customers are responsible for the installation of service pipes, meter pits and backflow preventers (Rules 4.6, 4.9, 5.2)." Please provide a revised *pro forma* tariff supplement that includes PAWC's proposed rules and regulations for the installation of service pipes, meter pits and backflow preventers in the requested territory, and that would eliminate the need for any tariff waivers for the Application. This *pro forma* tariff supplement may include terms that would permit PAWC to implement the rules, regulations, and practices identified in the Application's Paragraphs 21 and 23 for the 21 impacted customers identified in Application's revised Exhibit E.

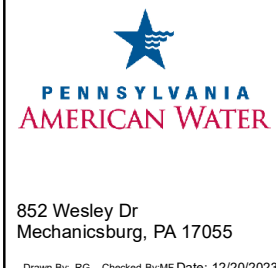
Response: The Company believes a limited waiver of tariff rules rather than a tariff supplement is the reasonable approach for this project. The Office of Consumer Advocate requested this waiver component of the application, which is further explained below.

In general, customers own and maintain the water facilities on their property, which is a principle referenced in several rules throughout the Company's tariff. Rather than revising several pages throughout the Company's tariff for a single project, the Company is requesting a limited waiver applicable only to this project of any tariff rules that could be interpreted to prevent the Company from installing these facilities on Dimock customers' behalf.

Name: Ashley E. Everette  
Title: Sr. Director, Rates & Regulatory – American Water Works Service Company, Inc.



Pennsylvania-American Water Company  
 Susquehanna Operating Area  
 Proposed Service Territory Extension - Dimock Twp  
 923.33 Acres  
 Dimock, Susquehanna County

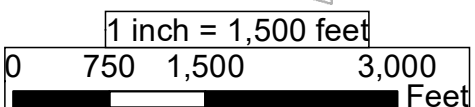


**Legend**

- Bearing and Distance Points
- Applied For Service Territory
- Unimpacted Customers
- Impacted Customers
- Roads
- Tax Parcels
- Municipality

TO BE USED FOR REFERENCE ONLY

Although every effort has been made to ensure the accuracy of the information, errors and conditions originating from physical sources to develop the Certified Service Territory may be reflected in the data supplied.



Disclaimer: Origin Points along with bearings and distances (attached separately) were not developed as result of physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool. The mapping Source used for the roads base is PASDA, 2015. \*Bearings and Distances attached Separately.

**Pennsylvania-American Water Company  
Susquehanna Operating Area  
Proposed Service Territory Extension - Dimock Twp  
923.33 Acres  
Dimock, Susquehanna County  
Bearing & Distance Points for map**

**Zone 1 Starting Point:** 41.715639, -75.878545

<b>From</b>	<b>To</b>	<b>Bearing</b>	<b>Distance(feet)</b>
1	2	N50°30'37"E	138.290013
2	3	N58°04'33"E	159.401543
3	4	N68°08'50"E	29.053382
4	5	N50°26'25"E	20.717269
5	6	N52°18'21"E	19.307554
6	7	N39°21'06"E	44.903231
7	8	N28°27'59"E	611.335453
8	9	N48°56'40"E	63.444561
9	10	N70°55'08"E	101.199738
10	11	N31°27'00"W	30.046415
11	12	N6°33'31"W	79.957882
12	13	N4°00'15"E	179.772423
13	14	N80°16'00"E	886.913992
14	15	S14°30'09"E	171.244389
15	16	S26°26'57"E	19.448364
16	17	N40°06'30"E	85.990564
17	18	N73°57'52"E	148.612525
18	19	N82°21'11"E	203.851809
19	20	N69°42'17"E	64.407537
20	21	S22°58'48"W	627.986669
21	22	N85°37'59"W	149.379593
22	23	S7°32'37"W	553.836536
23	1	S84°59'14"W	1677.274037

Zone 2 Starting Point: 41.721141, -75.879000

From	To	Bearing	Distance(feet)
24	25	N13°41'31"W	715.657722
25	26	S87°27'24"W	2011.555282
26	27	N4°27'20"W	2114.110693
27	28	N86°18'09"E	1558.588689
28	29	N7°18'25"W	1144.9828
29	30	N84°15'23"E	94.492221
30	31	N79°18'07"E	164.063842
31	32	N74°50'02"E	100.836644
32	33	S83°25'05"E	90.876679
33	34	S69°04'26"E	103.426926
34	35	S49°00'52"E	243.706256
35	36	S42°50'01"E	372.474618
36	37	S89°30'50"E	172.460584
37	38	N5°15'21"W	45.099955
38	39	N12°54'17"W	486.528759
39	40	N85°23'45"E	924.273206
40	41	S2°41'37"E	1733.806437
41	42	N87°27'19"E	178.08438
42	43	S9°33'05"E	585.704962
43	44	N55°20'37"E	79.897285
44	45	N7°09'27"W	310.634503
45	46	N12°05'41"E	74.571985
46	47	N29°14'56"E	149.234883
47	48	N1°19'56"W	224.018887
48	49	N13°29'45"E	267.811669
49	50	N7°35'41"E	157.63277
50	51	N6°42'35"W	178.304612
51	52	N22°22'48"E	95.754043
52	53	N17°39'00"E	120.243712
53	54	N30°57'50"E	121.478164
54	55	N28°04'21"E	88.541667
55	56	N42°26'10"E	246.998035
56	57	N27°17'58"E	181.695454
57	58	N47°17'26"E	92.144823
58	59	N29°28'33"E	137.60255
59	60	N40°21'52"E	273.425099
60	61	N84°27'27"E	1495.188444
61	62	S6°51'18"E	408.011928

62	63	N83°13'39"E	674.447964
63	64	S10°55'20"W	74.851525
64	65	S13°19'24"E	455.100458
65	66	S18°15'41"E	107.004
66	67	S18°15'41"E	148.239402
67	68	S18°15'41"E	261.430739
68	69	S6°07'07"E	228.510274
69	70	S4°15'11"W	254.873927
70	71	S20°59'32"W	238.25413
71	72	S34°15'22"W	51.722209
72	73	S85°34'07"W	663.799757
73	74	S36°05'18"W	834.486478
74	75	S87°05'35"W	763.804416
75	76	S9°08'34"W	813.463685
76	77	S87°27'22"W	1541.479416
77	78	S47°19'06"W	374.682579
78	79	S85°34'07"W	202.243289
79	80	S11°57'19"E	97.96388
80	81	S12°52'17"E	82.151741
81	82	S7°11'24"E	223.38247
82	24	S82°43'21"W	652.675726

**Zone 3 Starting Point:** 41.747428, -75.883604

<b>From</b>	<b>To</b>	<b>Bearing</b>	<b>Distance(feet)</b>
83	84	S13°13'16"E	199.789916
84	85	N79°41'54"E	292.082421
85	86	S2°49'29"E	912.864284
86	87	N89°46'28"E	323.010387
87	88	S4°19'19"E	1182.93517
88	89	N84°57'33"E	1857.80834
89	90	S4°12'16"E	845.465468
90	91	S84°28'32"W	1807.711857
91	92	S14°16'03"E	676.579968
92	93	N74°01'54"E	237.460312
93	94	S17°43'50"E	207.075638
94	95	S74°11'36"W	246.694124
95	96	S15°11'01"E	1605.526498
96	33	S85°29'58"W	582.745164
33	97	N65°12'17"W	57.205959
97	98	N5°06'03"W	2569.743927
98	99	S85°30'28"W	957.596642
99	100	N3°13'29"W	32.020124
100	101	S85°48'26"W	658.020619
101	102	N3°05'51"W	761.173452
102	103	N87°17'15"E	1638.461737
103	104	N16°29'14"W	569.480306
104	105	S85°33'41"W	1446.165277
105	106	N10°58'11"W	481.05781
106	107	N5°03'47"W	359.405159
107	108	N85°24'27"E	700.420872
108	109	N11°13'19"W	776.358542
109	83	N76°23'29"E	528.280124

**Zone 4 Starting Point:** 41.737464, -75.859236

<b>From</b>	<b>To</b>	<b>Bearing</b>	<b>Distance(feet)</b>
110	111	N21°28'19"E	29.227214
111	112	S81°34'23"E	2248.274961
112	113	S23°37'47"W	703.580224
113	114	N86°48'48"W	1588.356624
114	115	N73°14'00"W	679.878099
115	116	S23°20'35"W	495.028378
116	117	N68°05'25"W	278.851343
117	118	N1°01'23"E	211.044045
118	119	N1°01'23"E	208.600747
119	120	N6°21'14"W	255.046505
120	121	N4°57'18"E	258.583596
121	122	S85°25'44"E	115.244959
122	123	N30°45'34"E	179.433314
123	124	S87°38'02"E	49.117897
124	125	N85°13'21"E	221.680862
125	126	S76°51'29"E	117.291166
126	110	S70°16'58"E	155.72422

**Zone 5 Starting Point: 41.746905, -75.856803**

<b>From</b>	<b>To</b>	<b>Bearing</b>	<b>Distance(feet)</b>
127	128	S6°32'39"E	397.023419
128	129	N80°24'38"E	342.61396
129	130	N14°41'07"E	238.144758
130	131	N19°18'23"E	193.857613
131	132	N62°12'19"W	273.205556
132	133	N36°50'32"E	163.139457
133	134	N28°59'20"E	260.115964
134	135	N24°08'44"E	97.715346
135	136	N27°29'34"E	208.683336
136	137	N79°52'00"E	574.859586
137	138	N10°22'39"E	163.121697
138	139	S67°42'42"E	353.688816
139	140	S79°58'26"E	72.156275
140	141	S88°57'34"E	61.71281
141	142	N78°32'25"E	85.293396
142	143	N69°33'31"E	53.895298
143	144	N59°01'52"E	145.478448
144	145	N46°27'20"E	190.035562
145	146	N45°44'51"E	325.416105
146	147	N59°20'58"E	108.974862
147	148	N75°39'47"E	197.032677
148	149	S28°17'18"W	895.516445
149	150	S65°02'32"E	456.407844
150	151	S26°57'08"W	1360.030536
151	152	N83°16'48"E	935.196496
152	153	S0°31'41"E	256.965532
153	154	S28°34'13"W	566.570065
154	155	S21°44'21"W	1040.319621
155	156	N83°39'45"E	209.115444
156	157	S47°58'06"W	337.226665
157	158	S23°37'43"W	1035.365428
158	159	N82°38'45"W	2289.631808
159	160	N17°22'16"E	309.635573
160	161	N17°49'58"E	51.295338
161	162	N20°49'41"E	235.298815
162	163	N73°58'42"W	685.63742
163	164	N10°44'10"E	884.9537
164	165	N29°29'46"E	401.808826

165	166	N29°29'45"E	220.669978
166	167	N27°52'11"W	488.256444
167	168	N19°07'11"E	193.340949
168	169	N90°00'00"E	146.140784
169	170	N14°09'58"E	542.311081
170	171	S48°28'37"E	96.040367
171	172	S60°00'41"E	153.411132
172	173	S72°50'01"E	91.440793
173	127	N87°38'57"E	74.753053

Pennsylvania-American Water Company

TABLE 2 - OPINION OF PROBABLE COST					
ALTERNATIVE NO. 2 - GROUNDWATER SYSTEM					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	Mobilization & Demobilization	LS	1	\$150,000	\$150,000.00
<b>DISTRIBUTION MAINS</b>					
	Excavation, Furnishing, Laying, Jointing, PE Encasement & Backfill of Pipe & Fittings				
	a. 6-inch DICL Mains	LF	37,000	\$115	\$4,255,000.00
	b. Rock Excavation (2 ft of depth entire pipeline)	LF/LF	74,000	\$10	\$740,000.00
	Furnish & Install Valves - (Incidental to Pay Item 3)				
	Furnish & Install Stream Crossings				
	a. 6-inch Main w/ Conc. encasement	Each	7	\$20,000	\$140,000.00
	Furnish & Install Hydrant				
	a. Blow Off Hydrants	Each	4	\$5,000	\$20,000.00
	Temporary Pavement				
	a. State Rd. - 20% of 12,800 LF of pipe in paved road - 5 ft wide	SF	12,800	\$4	\$51,200.00
	Permanent Pavement Replacement - Trench Restoration				
	a. State Rd - 20% of 12,800 LF of pipe in paved road - 7 ft wide	SF	17,920	\$8	\$143,360.00
	Unpaved Road Replacement - Trench Restoration				
	a. Twp Road - 20% of 20,500 LF of pipe in unpaved road - 7 ft wide	SF	28,700	\$2.50	\$71,750.00
	b. Shoulder, Topsoil & Seed, Misc. Pipe Restoration (Remaining 80% of pipe length + service pipes)	LF	30,640	\$6	\$183,840.00
	Pavement Overlay (1.5" Min.)				
	a.State Rd.- 20% of 12,800 LF of pipe in paved road - Mill/Overlay - 20 ft wide	SF	51,200	\$2.50	\$128,000.00
	Air Release Valves & Concrete MHs	Each	3	\$7,000	\$21,000.00
	Property Acquisition (stream crossings)	Each	5	\$20,000	\$100,000.00
				<b>SUBTOTAL DISTRIBUTION MAINS</b>	<b>\$5,854,150.00</b>
<b>SERVICE LINES AND CUSTOMER CONNECTIONS</b>					
	PAWC Owned 1" service connection on main - across Rd.	Each	21	\$1,500	\$31,500.00
	PAWC Owned service 5/8" Meter, BFP and meter pit	Each	21	\$2,500	\$52,500.00
	PAWC Owned service PRV valves in meter pit on service line	Each	14	\$500	\$7,000.00
	Customer Owned 1" Cu service line to residence (200 LF/home)	LF	4,200	\$100	\$420,000.00
	Customer Well Abandonment	Each	21	\$10,000	\$210,000.00
				<b>SUBTOTAL SERVICE LINES AND CUSTOMER CONNECTIONS</b>	<b>\$721,000.00</b>
<b>WATER SUPPLY AND TREATMENT FACILITY</b>					
	Purchase of Property	Each	1	\$200,000	\$200,000.00
	Wells	Each	2	\$100,000	\$200,000.00
	Site work and yard piping	Each	1	\$150,000	\$150,000.00
	Treatment Building	Each	1	\$500,000	\$500,000.00
	Process Pumps	Each	1	\$25,000	\$25,000.00
	Treatment Process Equipment	Each	2	\$115,000	\$230,000.00
	Clearwell storage tank & distribution pumps	Each	1	\$200,000	\$200,000.00
	Mechancial Piping	Each	1	\$50,000	\$50,000.00
	Chemical Feed Equipment	Each	1	\$50,000	\$50,000.00
	Instrumentation	Each	1	\$200,000	\$196,000.00
	Water Supply Meters	Each	3	\$3,000	\$9,000.00
	Electrical	Each	1	\$500,000	\$500,000.00
				<b>SUBTOTAL WATER SUPPLY AND TREATMENT FACILITY</b>	<b>\$2,310,000.00</b>

Pennsylvania-American Water Company

TABLE 2 - OPINION OF PROBABLE COST					
ALTERNATIVE NO. 2 - GROUNDWATER SYSTEM					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
	<b>Sub-Total Construction</b>				<b>\$9,035,150.00</b>
	Construction Contingency	%	10	-	\$903,515.00
	<b>Total Construction</b>				<b>\$9,938,665.00</b>
	Engineering & Administration (See TABLE 2A)				<b>\$1,105,000.00</b>
	<b>TOTAL ENGINEERING &amp; CONSTRUCTION</b>				<b>\$11,043,665.00</b>

Pennsylvania-American Water Company

TABLE 2 - OPINION OF PROBABLE COST					
ALTERNATIVE NO. 2 - GROUNDWATER SYSTEM					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<b>TABLE 2A - OPINION OF PROBABLE COST-ENGINEERING &amp; ADMINISTRATION ITEMIZATION</b>					
<b>ALTERNATIVE NO. 2 - GROUNDWATER SYSTEM</b>					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
1	PAW Admin. & Eng. Costs	Each	1	\$75,000	\$75,000.00
2	Survey & Env. Studies	Each	1	\$75,000	\$75,000.00
3	Pipeline, PRVs & Services	Each	1	\$150,000	\$150,000.00
4	Pilot Test (if needed)	Each	1	\$45,000	\$45,000.00
5	Treatment Facility & Well Stations	Each	1	\$325,000	\$325,000.00
6	Bid Phase	Each	1	\$35,000	\$35,000.00
7	Construction Phase	Each	1	\$150,000	\$150,000.00
8	Resident Project Representative	Each	1	\$200,000	\$200,000.00
9	PennDOT Inspector (on state roads)	Each	1	\$50,000	\$50,000.00
	<b>Engineering Subtotal</b>	-	-	-	<b>\$1,105,000.00</b>

# Commonwealth of Pennsylvania

## Department of Environmental Protection

*In accordance with the  
State Board for Certification of Water and Wastewater Systems Operators  
and the Regulations of the  
Department of Environmental Protection*

**DON A KESSLER JR**

*Is Hereby Authorized to Operate*

**WATER SYSTEM**

**Class: A,E, Water**

**Subclass: 1,2,3,4,5,6,7,8,9,10,11,12,13,14**

**Client ID: 200601**

**DON A KESSLER JR  
1516 FRANKLIN HILL RD  
HALLSTEAD PA 18822-8982**

Issue Date Oct 1, 2023  
Expiration Date Sep 30, 2026

*Mary Roland*

Board Chairperson

**Certificate No. W8009**

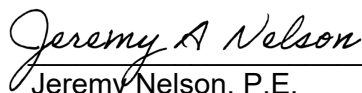
Application of Pennsylvania-American Water Company for the approval of the right to offer, render, furnish and supply water service to the public in a portion of Dimock Township, Susquehanna County

Docket No. A-2023-3043501

VERIFICATION

I, Jeremy Nelson, P.E., hereby state that the facts set forth in the foregoing responses to Questions A-1 through A-18 of the data requests from the Bureau of Technical Utility Services dated December 15, 2023, Set 1, are true and correct to the best of my knowledge, information, and belief, and that I expect to be able to prove the same at a hearing if held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).

Date: January 3, 2024



Jeremy Nelson, P.E.

Senior Engineer

Pennsylvania-American Water Company

Application of Pennsylvania-American Water Company for the approval of the right to offer, render, furnish and supply water service to the public in a portion of Dimock Township, Susquehanna County

Docket No. A-2023-3043501

VERIFICATION

I, Ashley E. Everette, hereby state that the facts set forth in the foregoing responses to Questions A-19 – A-21 of the data requests from the Bureau of Technical Utility Services dated December 15, 2023, Set 1, are true and correct to the best of my knowledge, information, and belief, and that I expect to be able to prove the same at a hearing if held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).

Date: January 3, 2024

  
\_\_\_\_\_  
Ashley E. Everette  
Sr. Director, Rates & Regulatory  
American Water Works Service Company, Inc.

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Pennsylvania-American Water :  
Company for Approval of (1) the Right to Offer, :  
Render, Furnish or Supply Water Service to the :  
Public in a Portion of Dimock Township, :  
Susquehanna County, Pennsylvania Pursuant :  
to Section 1102 of the Pennsylvania Public :  
Utility Code, 66 Pa C.S. § 1102; (2) the Offsite :  
Development Marketing Agreement by and : Docket No. A-2023-3043501  
between Pennsylvania-American Water :  
Company and the Office of the Attorney :  
General Pursuant to Rule 23.2 of :  
Pennsylvania-American Water Company's :  
Tariff Water-PA P.U.C. No. 5; and (3) approve, :  
as necessary, the limited waivers of :  
Pennsylvania-American Water Company's :  
Tariff Water-PA P.U.C. No. 5 :

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served a true copy of Pennsylvania-American Water Company's Responses to the Bureau of Technical Utility Services Data Request Set 1, upon the persons and in the manner indicated below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a party).

**VIA Electronic Delivery**

Erin L. Gannon  
Senior Assistant Consumer Advocate  
PA Office of Consumer Advocate  
555 Walnut Street, 5th Floor, Forum Place  
Harrisburg, PA 17101-1923  
(via electronic mail – [egannon@paoca.org](mailto:egannon@paoca.org))

NazAarah Sabree  
Small Business Advocate  
PA Office of Small Business Advocate  
555 Walnut Street, 1st Floor, Forum Place  
Harrisburg, PA 17101  
(via electronic mail – [ra-sba@pa.gov](mailto:ra-sba@pa.gov))

Richard A. Kanaskie  
Director and Chief Prosecutor  
PA Public Utility Commission  
Bureau of Investigation and Enforcement  
Commonwealth Keystone Building  
400 North Street, 2nd Floor, West  
Harrisburg, PA 17120  
(via electronic mail – [rkanaskie@pa.gov](mailto:rkanaskie@pa.gov))

Dated: January 3, 2024



\_\_\_\_\_  
Teresa K. Harrold  
Director, Corporate Counsel  
Pennsylvania-American Water Company  
852 Wesley Drive, Mechanicsburg, PA 17055  
Office: 717.550.1562  
[Teresa.Harrold@amwater.com](mailto:Teresa.Harrold@amwater.com)