

Revised Exhibit 3d

PMWD Response to THIRD RFI dated 3/15/24

Prepared By GH 5/9/24

3. Refer to Peaks Mill District's Application, Schedule of Adjusted Operations (SAO) and Explanation of Adjustment to Total Retail Metered Sales. Adjustment I in the SAO shows a revenue adjustment of \$17,395 to total retail metered sales. The Explanation of Adjustment to Total Retail Metered Sales indicates that this is an estimation of an increase in revenues due to an increase in customers as well as the change out of older, under-registering meters with new, more accurate meters.

- a. Provide support and all necessary calculations for how the adjustment of \$17,395 was derived.
- b. Provide the number of customers that will be added to Peaks Mill District's water system as well as how this number was derived. Provide the anticipated timeline for bringing these customers online.
- c. Explain whether these customers are retail or commercial customers. Include in the response the average gallons Peaks Mill District used to estimate the revenues generated by these new customers.
- d. Provide the number of older, under-registering meters that were replaced with newer, more accurate meters and the replacement timeline. Include in the response all records, including meter testing results, that represent the number of meters that were under-registering customer usage as well as specific dates of replacement.
- e. Refer to the \$17,395 adjustment in total retail metered sales. Of this amount, how much is derived from newer customers and how much is derived from newer meters.

On April 26, 2024, PMWD filed RFI 3 Exhibit 3d with the Commission in response to Question 3d regarding meter testing. At the time of the submittal, the specific dates of meter replacement were not available. RFI 3 Exhibit 3d has been revised to include the meter replacement date and the location, where applicable. In review of the meter testing data, it was discovered a number of meters tests were duplicated (tested more than once). Revised Exhibit 3d identifies the duplicate tests.

Response provided by Greg Heitzman 5/9/24.

RFI 3 – EXHIBIT 3d Revised 5/9/24

PSC EXHIBIT 3d REVISED 5-9-24 – PMWD Meter Testing - 2022-24																			
Ref#	TESTDATE	METER CASTID	START	MIN	%	%	RESULT	MID	%	%	RESULT	MAX	%	%	RESULT	PASS/FAIL	Meter Size	Replacement Date	Service Address
1	12/23/22	71177310	154861.6	154871	94.00%	6.00%	SLOW	154880.9	99.00%	100.30%	SLOW	154981.2	100.30%	0.30%	FAST	FAIL	5/8" x 3/4"	2/24/23	6815 US 127 N
2	12/23/22	83998568	273969.85	273979.94	100.90%	0.90%	FAST	273990.04	101.00%	99.56%	FAST	274089.6	99.56%	0.44%	SLOW	PASS	5/8" x 3/4"	5/16/21	1144 Sharp Pike
3	12/23/22	51907553	383532	383541.6	96.00%	-4.00%	SLOW	383551.6	100.00%	100.10%	NORMAL	383651.7	100.10%	0.10%	FAST	PASS	5/8" x 3/4"	not available	Strohmeier Camp Ground by Office
4	12/23/22	71176821	901555.1	901564.4	93.00%	-7.00%	SLOW	901574.4	100.00%	99.70%	NORMAL	901674.1	99.70%	-0.30%	SLOW	FAIL	5/8" x 3/4"	8/16/23	3715 Union Ridge Rd
5	12/23/22	71176849	190785.5	190794.4	89.00%	-11.00%	SLOW	190804.4	100.00%	99.60%	NORMAL	190904	99.60%	-0.40%	SLOW	FAIL	5/8" x 3/4"	12/15/22	600 Camp Pleasant Rd.
6	12/23/22	71176958	873228.5	873237.8	93.00%	-7.00%	SLOW	873247.5	97.00%	99.60%	SLOW	873347.1	99.60%	-0.40%	SLOW	FAIL	5/8" x 3/4"	not available	249 Strohmeler Rd
7	12/23/22	71177159	19593.2	19602.6	94.00%	-6.00%	SLOW	19612.6	100.00%	100.00%	NORMAL	19712.6	100.00%	0.00%	NORMAL	FAIL	5/8" x 3/4"	12/19/22	71 Herman Smith Dr
8	12/23/22	71177076	236218.9	236227.5	86.00%	-14.00%	SLOW	236237.5	100.00%	99.20%	NORMAL	236336.7	99.20%	-0.80%	SLOW	FAIL	5/8" x 3/4"	8/29/22	7349 Peaks Mill Rd
9	12/23/22	71177543	489094.2	489103.1	89.00%	-11.00%	SLOW	489113	99.00%	99.80%	SLOW	489212.8	99.80%	-0.20%	SLOW	FAIL	5/8" x 3/4"	5/16/21	3389 Camp Pleasant Rd.
10	12/23/22	71126497	1020367.6	1020375	74.00%	-26.00%	SLOW	1020380.3	53.00%	20.50%	SLOW	1020400.8	20.50%	-79.50%	SLOW	FAIL	5/8" x 3/4"	11/29/22	790 Stillhouse Hollow Road
11	1/25/23	54571971	967977.5	967986.2	87.00%	-13.00%	SLOW	967996.3	101.00%	100.30%	FAST	968096.6	100.30%	0.30%	FAST	FAIL	5/8" x 3/4"	1/17/23	2613 Shaerrick Ferry
12	1/25/23	71177346	221208.9	221216.8	79.00%	-21.00%	SLOW	221226.8	100.00%	99.00%	NORMAL	221325.8	99.00%	-1.00%	SLOW	FAIL	5/8" x 3/4"	1/11/23	9544 Old Owenton Rd
13	1/25/23	63292876	428166.7	428174.1	74.00%	-26.00%	SLOW	428184.2	101.00%	98.60%	FAST	428282.8	98.60%	-1.40%	SLOW	FAIL	5/8" x 3/4"	1/18/23	547 Shenandoah Dr.
14	1/25/23	60104150	422176.6	422185.4	88.00%	-12.00%	SLOW	422195.5	101.00%	99.80%	FAST	422295.3	99.80%	-0.20%	SLOW	FAIL	5/8" x 3/4"	1/18/23	515 Shenandoah Dr.
15	1/25/23	67869911	469129.1	469137.4	83.00%	-17.00%	SLOW	469147.6	102.00%	2.00%	FAST	469247.2	99.60%	-0.40%	SLOW	FAIL	5/8" x 3/4"	12/28/22	66-3 Bell Lane
16	1/25/23	43953009	61224.8	61234.1	93.00%	-7.00%	SLOW	61244.2	101.00%	100.40%	FAST	61344.6	100.40%	0.40%	FAST	FAIL	5/8" x 3/4"	1/12/23	66-1 Bell Lane
17	1/25/23	71808007	201674.4	201682.8	84.00%	-16.00%	SLOW	201692.8	100.00%	99.30%	NORMAL	201792.1	99.30%	-0.70%	SLOW	FAIL	5/8" x 3/4"	1/18/23	112 Chicamauga
18	1/25/23	69899740	353767.6	353776.2	86.00%	-14.00%	SLOW	353786.3	101.00%	99.30%	FAST	353885.6	99.30%	-0.70%	SLOW	FAIL	5/8" x 3/4"	1/18/23	501 Shenandoah Dr.
19	1/25/23	52498956	382346.5	382355.6	91.00%	-9.00%	SLOW	382365.8	102.00%	99.80%	FAST	382465.6	99.80%	-0.20%	SLOW	FAIL	5/8" x 3/4"	1/18/23	513 Shenandoah Dr.
20	1/25/23	66706295	58842.2	58850	78.00%	-22.00%	SLOW	58859.7	97.00%	98.90%	SLOW	58378.6	98.90%	-1.10%	SLOW	FAIL	5/8" x 3/4"	1/18/23	503 Shenandoah Dr.
21	5/16/23	93070558	221757.2	221755.7	99.80%	-0.20%	SLOW	221745.79	100.90%	99.62%	FAST	221845.41	99.62%	-0.38%	SLOW	PASS	5/8" x 3/4"	not available	not available
22	5/16/23	89776594	2.11	2.11	0.00%	-100.00%	SLOW	2.11	0.00%	0.00%	SLOW	2.11	0.00%	-100.00%	SLOW	FAIL-NO FLOW	5/8" x 3/4"	not available	not available
23	5/16/23	49973016	426428.7	426437.3	86.00%	-14.00%	SLOW	426447.2	99.00%	99.20%	SLOW	426546.4	99.20%	-0.80%	SLOW	FAIL	5/8" x 3/4"	not available	not available
24	5/16/23	72349909	1372992.5	1373001.4	89.00%	-11.00%	SLOW	1373011	96.00%	99.60%	SLOW	1373110.6	99.60%	-0.40%	SLOW	FAIL	5/8" x 3/4"	not available	1470 Teresta
25	5/16/23	71807983	261867.2	261876.2	0.00%	-100.00%	SLOW	261887.2	0.00%	0.10%	SLOW	261867.3	0.10%	-99.90%	SLOW	FAIL-NO FLOW	5/8" x 3/4"	4/21/23	8123 Owenton Rd
26	5/16/23	71807989	326822.6	326831.2	86.00%	-14.00%	SLOW	326841.3	101.00%	99.80%	FAST	326941.1	99.80%	-0.20%	SLOW	FAIL	5/8" x 3/4"	not available	not available
27	5/16/23	71807990	529613	529622.1	91.00%	-9.00%	SLOW	529632.2	101.00%	99.90%	FAST	529732.1	99.90%	-0.10%	SLOW	FAIL	5/8" x 3/4"	not available	not available
28	5/16/23	57970909	327641.5	327650.4	89.00%	-11.00%	SLOW	327660.4	100.00%	99.00%	NORMAL	327759.4	99.00%	-1.00%	SLOW	FAIL	5/8" x 3/4"	not available	not available
29	5/16/23	71176801	850910.8	850917.9	71.00%	-29.00%	SLOW	850927.6	97.00%	98.50%	SLOW	851026.1	98.50%	-1.50%	SLOW	FAIL	5/8" x 3/4"	not available	not available
30	5/16/23	71807988	396414.5	396423.3	88.00%	-12.00%	SLOW	396433.4	101.00%	99.80%	FAST	396533.2	99.80%	-0.20%	SLOW	FAIL	5/8" x 3/4"	4/6/23	500 Shannondah
31	5/16/23	93070558	221888.88	221898.83	99.50%	-0.50%	SLOW	221908.92	100.90%	99.43%	FAST	222008.35	99.43%	-0.57%	SLOW	PASS	5/8" x 3/4"	DUPLICATE TEST	Ref #21
32	5/16/23	71807989	326984.5	326992.9	84.00%	-16.00%	SLOW	327002.9	100.00%	99.50%	NORMAL	327102.4	99.50%	-0.50%	SLOW	FAIL	5/8" x 3/4"	DUPLICATE TEST	Ref #26
33	5/16/23	49973016	426589.5	426598.2	87.00%	-13.00%	SLOW	426608.1	99.00%	99.20%	SLOW	426707.3	99.20%	-0.80%	SLOW	FAIL	5/8" x 3/4"	DUPLICATE TEST	Ref #23
34	5/16/23	72349909	1373153.7	1373162.6	89.00%	-11.00%	SLOW	1373172.2	96.00%	99.50%	SLOW	1373271.7	99.50%	-0.50%	SLOW	FAIL	5/8" x 3/4"	DUPLICATE TEST	Ref #24
35	5/16/23	72349909	261867.3	261876.3	0.00%	-100.00%	SLOW	261887.3	0.00%	0.00%	SLOW	261867.3	0.00%	-100.00%	SLOW	FAIL-NO FLOW	5/8" x 3/4"	DUPLICATE TEST	Ref #25
36	5/16/23	89776594	2.11	2.11	0.00%	-100.00%	SLOW	2.11	0.00%	0.00%	SLOW	2.11	0.00%	-100.00%	SLOW	FAIL-NO FLOW	5/8" x 3/4"	DUPLICATE TEST	Ref #22
37	5/16/23	71209448	243166.8	243169.9	31.00%	-69.00%	SLOW	243173.6	37.00%	23.40%	SLOW	243196.9	23.40%	-76.70%	SLOW	FAIL	1"	3/30/23	1374 Indian Gap
38	11/9/23	71209447	1257779.1	1257781.6	25.00%	-75.00%	SLOW	1257783.2	16.00%	3.40%	SLOW	1257786.6	3.40%	-96.60%	SLOW	FAIL	5/8" x 3/4"	9/20/23	Fish Hatchery close to main valve
39	11/9/23	71808007	201807.2	201815.1	79.00%	-21.00%	SLOW	201825.1	100.00%	98.80%	NORMAL	201923.9	98.80%	-1.20%	SLOW	FAIL	5/8" x 3/4"	DUPLICATE TEST	Ref #17
40	11/9/23	69899740	353900.5	353909.1	86.00%	-14.00%	SLOW	353918.9	98.00%	98.80%	SLOW	354017.7	98.80%	-1.20%	SLOW	FAIL	5/8" x 3/4"	DUPLICATE TEST	Ref #18

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41	11/9/23	54571917	9681117	968120.3	86.00%	-14.00%	SLOW	968130.4	101.00%	1.00%	FAST	968230.3	99.90%	-0.10%	SLOW	5/8" x 3/4"	not available
42	11/9/23	52244816	257229.6	257237.9	83.00%	-17.00%	SLOW	257247.4	98.00%	-2.00%	SLOW	257346.8	99.10%	-0.90%	SLOW	5/8" x 3/4"	8/4/23 3005 Shadrick Ferry
43	11/9/23	71176828	532773.9	532781.4	75.00%	-25.00%	SLOW	532791.7	100.00%	0.00%	NORMAL	532890.5	99.10%	-0.90%	SLOW	5/8" x 3/4"	9/17/22 467 Indian Gap Rd.
44	11/9/23	43933009	61359.5	61368.5	90.00%	-10.00%	SLOW	61378.5	100.00%	0.00%	NORMAL	61478.2	99.70%	-0.30%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #16
45	11/9/23	52498936	382480.2	382489.2	90.00%	-10.00%	SLOW	382499.2	100.00%	0.00%	NORMAL	382598.2	99.00%	-1.00%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #19
46	11/9/23	6706395	583773	583780.74	77.40%	-22.60%	SLOW	583790.5	97.60%	-2.40%	SLOW	583889	98.50%	-1.50%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #20
47	11/9/23	71177346	221340.2	221347.8	76.00%	-24.00%	SLOW	221357.7	99.00%	-1.00%	SLOW	221456.7	99.00%	-1.00%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #12
48	11/9/23	60104150	422309.4	422316.9	75.00%	-25.00%	SLOW	422326.9	100.00%	0.00%	NORMAL	422425.1	98.20%	-1.80%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #14
49	11/9/23	63292876	428294	428302.7	87.00%	-13.00%	SLOW	428312.7	100.00%	0.00%	NORMAL	428410.8	98.10%	-1.90%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #13
50	11/9/23	67869911	469261.2	469269.5	83.00%	-17.00%	SLOW	469279.6	101.00%	1.00%	FAST	469378.9	99.30%	-0.70%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #15
51	1/25/24	54571971	967977.5	967986.2	87.00%	-13.00%	SLOW	967996.3	101.00%	1.00%	FAST	968096.6	100.30%	0.30%	FAST	5/8" x 3/4"	DUPLICATE TEST Ref #11
52	1/25/24	71177346	221208.9	221216.8	79.00%	-21.00%	SLOW	221226.8	100.00%	0.00%	NORMAL	221325.8	99.00%	-1.00%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #12
53	1/25/24	63292876	428166.7	428174.1	74.00%	-26.00%	SLOW	428184.2	101.00%	1.00%	FAST	428282.8	98.60%	-1.40%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #13
54	1/25/24	60104150	421216.6	421218.5	88.00%	-12.00%	SLOW	421219.5	101.00%	1.00%	FAST	422295.3	99.80%	-0.20%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #14
55	1/25/24	67869911	469129.1	469137.4	83.00%	-17.00%	SLOW	469147.6	102.00%	2.00%	FAST	469247.2	99.60%	-0.40%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #15
56	1/25/24	43953009	61224.8	61234.1	93.00%	-7.00%	SLOW	61244.2	101.00%	1.00%	FAST	61344.6	100.40%	0.40%	FAST	5/8" x 3/4"	DUPLICATE TEST Ref #16
57	1/25/24	71808007	201674.4	201682.8	84.00%	-16.00%	SLOW	201692.8	100.00%	0.00%	NORMAL	201792.1	99.30%	-0.70%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #17
58	1/25/24	69899740	353767.6	353776.2	86.00%	-14.00%	SLOW	353786.3	101.00%	1.00%	FAST	353885.6	99.30%	-0.70%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #18
59	1/25/24	52498936	382346.5	382355.6	91.00%	-9.00%	SLOW	382365.8	102.00%	2.00%	FAST	382465.6	99.80%	-0.20%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #19
60	1/25/24	6706395	583650.2	583650	78.00%	-22.00%	SLOW	583659.7	97.00%	-3.00%	SLOW	583758.6	99.90%	-1.10%	SLOW	5/8" x 3/4"	DUPLICATE TEST Ref #20
61	4/4/24	57482817	8433007.1	8433016.6	95.00%	-5.00%	SLOW	8433026.6	101.00%	1.00%	FAST	8433126.1	99.40%	-0.60%	SLOW	5/8" x 3/4"	DUPLICATE TEST 2/2/24 1489 Steele Branch Rd
62	4/4/24	69719510	874204.5	874206.6	21.00%	-79.00%	SLOW	874207.9	13.00%	-87.00%	SLOW	874215.5	7.60%	-92.40%	SLOW	1"	2/1/24 Fire Dept Owenton Rd
63	4/4/24	47902770	775677.3	775686.8	95.00%	-5.00%	SLOW	775696.9	101.00%	1.00%	FAST	775796	99.10%	-0.90%	SLOW	1"	2/5/24 1915 Manley Leestown
64	4/4/24	20316877	1248659	1248668.5	95.00%	-5.00%	SLOW	1248678.6	101.00%	1.00%	FAST	1248777.8	99.20%	-0.80%	SLOW	1"	10/12/23 830 Shadrick Ferry
65	4/4/24	46524208	1865918.8	1865928.5	97.00%	-3.00%	SLOW	1865938.6	101.00%	1.00%	FAST	1865962.2	23.60%	-76.40%	SLOW	1"	2/13/24 7694 Peaks Mill Rd
66	4/4/24	71177516	731319.8	731327.5	77.00%	-23.00%	SLOW	731337.3	98.00%	-2.00%	SLOW	731437.1	97.80%	-2.20%	SLOW	5/8" x 3/4"	not available 131 Sullivan Ln
67	4/4/24	71177150	897336.4	897345.8	94.00%	-6.00%	SLOW	897355.9	101.00%	1.00%	FAST	897456	100.10%	0.10%	FAST	5/8" x 3/4"	11/2/23 72774 Peakmill Rd
68	4/4/24	71176866	547120.1	547129.4	93.00%	-7.00%	SLOW	547139.7	101.00%	1.00%	FAST	547239.7	100.20%	0.20%	FAST	5/8" x 3/4"	12/11/23 2423 Cedar Rd
69	4/4/24	71177374	466335.6	466342.7	71.00%	-29.00%	SLOW	466352.7	100.00%	0.00%	NORMAL	466451.9	98.20%	-1.80%	SLOW	5/8" x 3/4"	5/25/23 7869 Owenton Rd
70	4/4/24	71177142	906208.7	906215.9	72.00%	-28.00%	SLOW	906225.7	98.00%	-2.00%	SLOW	906324.1	98.40%	-1.60%	SLOW	5/8" x 3/4"	10/20/23 579 Herman Smither
71	4/4/24	71177434	605983	605983.1	1.00%	-99.00%	SLOW	605993.1	100.00%	0.00%	NORMAL	606092.7	99.60%	-0.40%	SLOW	5/8" x 3/4"	11/8/23 14080 Swallowfield
72	4/4/24	75726117	98695.6	98695.6	96.00%	-4.00%	SLOW	98705.2	96.00%	-4.00%	SLOW	98814.4	99.60%	-0.40%	SLOW	5/8" x 3/4"	2/14/24 1265 Harmony Rd.
73	4/4/24	8225588	3113956.5	3113956.5	0.00%	-100.00%	SLOW	3113965.2	87.00%	-13.00%	SLOW	3114063.7	98.50%	-1.50%	SLOW	5/8" x 3/4"	N/A Shadrick Ferry Flush meter on Hydrant
74	4/4/24	71176912	147612	147621.1	91.00%	-9.00%	SLOW	147631	99.00%	-1.00%	SLOW	147731.3	100.30%	0.30%	FAST	5/8" x 3/4"	11/16/23 3324 Sulphur Lick
75	4/4/24	71176843	722368.3	722377.4	91.00%	-9.00%	SLOW	722387.5	101.00%	1.00%	FAST	722487.5	100.00%	0.00%	NORMAL	5/8" x 3/4"	1/30/24 1875 Cedar Rd.
76	4/4/24	71177468	846225.3	846234.4	91.00%	-9.00%	SLOW	846244.5	101.00%	1.00%	FAST	846343.9	99.40%	-0.60%	SLOW	5/8" x 3/4"	3/27/24 13450 Swallowfield Rd
Overall Test Summary																	
15 GPM for 100 Gallons																	
98.5 to 101.5% = Accuracy Range																	
Not Counting Duplicate Tests																	
FailureRate MID Flow 9 17.65%																	
Pass Rate MID Flow 42 82.35%																	
Total Tests 51.00																	
# Tests Including Duplicates 76																	
100.00%																	
76																	
2 GPM for 10 Gallons																	
98.5 to 101.5% = Accuracy Range																	
Not Counting Duplicate Tests																	
FailureRate MID Flow 16 31.37%																	
Pass Rate MID Flow 35 68.63%																	
Total Tests 51																	
# Tests Including Duplicates 76																	
100.00%																	
76																	
1/4 GPM for 10 Gallons																	
95.0 to 101.0% = Accuracy Range																	
Not Counting Duplicate Tests																	
FailureRate MID Flow 43 84.31%																	
Pass Rate MID Flow 8 15.69%																	
# Tests 51																	
# Tests Including Duplicates 76																	
100.00%																	
76																	