

Monarch Utilities I L.P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/III.1 Current Tariffed Rates
Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
				S. Buda MUD (wholesale)***	Villas of Willowbrook	Oak Terrace	Dal- High	Ni America	Inverness* **	Western Trails	Water Services*	Huntington	Diamond*	Wiedenfeld	Wied - Westwood**
1	Water	Monarch		*	k										
2		5/8"	49.30	49.30	8.24	43.50	16.00	60.00	100.00	24.62	50.70	44.45	74.44	31.37	33.14
3		5/8" x 3/4"			8.24				100.00						
4		3/4"	73.95		8.24		16.00	60.00	150.00	24.62	76.05	66.68	111.66	47.06	49.71
5		1"	123.25		8.24	87.00		159.23	250.00	61.55	126.75	111.13	186.10	78.43	82.85
6		1.5"	246.49		8.24			318.45	500.00	123.10	253.50	222.25	372.20	156.85	165.70
7		2"	394.38		8.24			509.52	800.00	196.96	405.60	355.60	595.52	250.96	265.12
8		3"	739.47		8.24			955.35	1,500.00	369.30	760.50	666.75	1,116.60	470.55	497.10
9		4"	1,232.44		8.24				2,500.00		1,267.50	1,111.25	1,861.00	784.25	828.50
10		6"	2,464.89		8.24				5,000.00		2,535.00	2,222.50	3,722.00	1,568.50	1,657.00
11		8"	3,943.82		8.24						4,056.00	3,556.00	5,955.00	2,509.60	2,651.20
12		10"													
13		12"													
14		0-1 kgal	7.47	7.47	0.00	3.00	0.00	4.00	5.50	2.86	3.10	3.15	4.52	3.14	1.19
15		1-2 kgal	7.47	7.47	0.00	3.00	0.00	4.00	5.50	2.86	3.10	3.15	4.52	3.14	1.19
16		2-6 kgal	9.20	9.20	4.12	3.00	1.50	4.00	5.50	2.86	4.52	4.60	7.51	3.81	1.73
17		6-10 kgal	9.20	9.20	4.12	3.00	1.50	4.00	5.50	2.86	4.52	4.60	7.51	3.81	1.73
18		10-12 kgal	10.43	10.43	4.12	3.00	1.50	7.50	5.50	2.86	6.20	6.30	9.04	4.26	2.37
19		12-20 kgal	10.43	10.43	4.12	3.00	1.50	7.50	7.50	2.86	6.20	6.30	9.04	4.26	2.37
20		20-22 kgal	11.11	11.11	4.12	3.00	1.50	7.50	7.50	2.86	9.90	10.07	12.08	4.66	3.79
21		>22 kgal	11.11	11.11	4.12	3.00	1.50	7.50	9.50	2.86	9.90	10.07	12.08	4.66	3.79

23 *Per Docket No. 47736, WSI and Diamond each have tariffs with scheduled rate changes in September 2020 and September 2021.
24 **Per Docket No. 47736, Westwood has tariffs with scheduled rate changes in September 2020.
25 ***5/8" and 5/8"x3/4" are equivalent.
26 ****S. Buda MUD is included in rate design because its rates are indexed to Monarch's.
27 Villas of Willowbrook (nonresidential) and KAP (residential) are not included on this workpaper. Please see direct testimony of George Freitag.
28

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.1 Current Tariffed Rates
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)		
29	Wastewater		Monarch	S. Buda MUD (wholesale)***	Villas of Willowbrook	Oak Terrace	Dal- High	Ni America	Inverness* **	Western Trails	Water Services*	Huntington	Diamond*	Wriedenfeld	Westwood**		
30	service	5/8"	75.26	*	k												
31		5/8" x 3/4"															
32		3/4"	112.90														
33		1"	188.16														
34		1.5"	376.31														
35		2"	602.11														
36		3"	1,128.95														
37		4"	1,881.58														
38		6"	3,763.18														
39		8"	6,020.97														
40		10"															
41	12"																
42	gallage	all	2.64														

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.2 Connections as of 12/31/2019
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
			<u>S. Buda MUD</u> (wholesale)	<u>Villas of</u> Willowbrook	<u>Oak</u> Terrace	<u>Dal-High</u>	<u>Ni</u> America	<u>Inverness</u>	<u>Western</u> Trails	<u>Water</u> Services	<u>Huntington</u>	<u>Diamond</u>	<u>Wiedenfeld</u>	<u>Westwood</u>		
1			Monarch *													TOTAL
2		5/8"	23,607	581	90	128	41	1,173	218	41	1,956	125	923	750	107	29,740
3		5/8" x 3/4"														0
4		3/4"	53						3		8		3			67
5		1"	145		2			2	1		8	1	8	1		168
6		1.5"	25							1	4		1			31
7		2"	26					1			1		2			30
8		3"	5													5
9		4"	2													2
10		6"	1													1
11		8"	2													2
12		10"														0
13		12"														0
14		Total Water	23,866	581	90	130	41	1,176	222	42	1,977	126	937	751	107	30,046
15																
16			*South Buda MUD customers are charged by monthly meter equivalents and included as individual customers for rate design purposes.													
17																
18			Monarch	<u>Villas of</u> Willowbrook												TOTAL
19		5/8"	4,242	90												4,332
20		5/8" x 3/4"	-	-												0
21		3/4"	7	-												7
22		1"	14	-												14
23		1.5"	9	-												9
24		2"	2	-												2
25		3"	1	-												1
26		4"	2	-												2
27		6"	-	-												0
28		8"	-	-												0
29		10"	-	-												0
30		12"	-	-												0
31		Total Wastewater	4,277	0	90											4,367
32																
33		Total Company	28,143	581	180	130	41	1,176	222	42	1,977	126	937	751	107	34,413

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.3 Meter Equivalents as of 12/31/2019
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1			ME														
2			Factors	Monarch	S. Buda MUD (wholesale)	Villas of Willowbrook	Oak Terrace	Dal-High	Ni America	Inverness	Western Trails	Water Services	Huntington	Diamond	Wiedenfeld	Wied - Westwood	TOTAL
3	5/8"		1	23,607	581	90	128	41	1,173	218	41	1,956	125	923	750	107	29,740
4	5/8" x 3/4"		1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	3/4"		1.5	80	-	-	-	-	-	5	-	12	-	5	-	-	101
6	1"		2.5	363	-	-	5	-	5	3	-	20	3	20	3	-	420
7	1.5"		5	125	-	-	-	-	-	-	5	20	-	5	-	-	155
8	2"		8	208	-	-	-	-	8	-	-	8	-	16	-	-	240
9	3"		15	75	-	-	-	-	-	-	-	-	-	-	-	-	75
10	4"		25	50	-	-	-	-	-	-	-	-	-	-	-	-	50
11	6"		50	50	-	-	-	-	-	-	-	-	-	-	-	-	50
12	8"		80	160	-	-	-	-	-	-	-	-	-	-	-	-	160
13	10"		115	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	12"		215	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Total Water			24,717	581	90	133	41	1,186	225	46	2,016	128	969	753	107	30,991
15																	
16			ME														
17			Factors	Monarch	Villas of Willowbrook												TOTAL
17	5/8"		1	4,242		90											4,332
18	5/8" x 3/4"		1	-		-											-
19	3/4"		1.5	11		-											11
20	1"		2.5	35		-											35
21	1.5"		5	45		-											45
22	2"		8	16		-											16
23	3"		15	15		-											15
24	4"		25	50		-											50
25	6"		50	-		-											-
26	8"		80	-		-											-
27	10"		115	-		-											-
28	12"		215	-		-											-
29	Total Wastewater			4,414		90											4,504
30																	
31	Total Company			29,131	581	180	133	41	1,186	225	46	2,016	128	969	753	107	35,494

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.4 Test Year Tiered Usage
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Water														
2			<u>S. Buda MUD</u>	<u>Villas of</u>	<u>Oak</u>		<u>Ni</u>		<u>Western</u>	<u>Water</u>				<u>Wied -</u>	
3	0-1 kgal	Monarch	(wholesale)	Willowbrook	Terrace	Dal-High	America	Inverness	Trails	Services	Huntington	Diamond	Wiedenfeld	Westwood	TOTAL
4	1-2 kgal	456,278	6,852	1,015	1,067	475	13,414	1,991	467	19,623	1,473	13,061	8,241	1,249	68,928
5	2-6 kgal		6,852	874	798	433	12,168	1,872	416	17,744	1,402	11,758	7,273	1,196	519,064
6	6-10 kgal	566,368	13,692	1,447	1,457	988	27,791	5,469	765	44,997	3,365	30,222	16,290	3,053	149,536
7	10-12 kgal		28,307	181	532	397	8,702	3,523	246	16,877	1,195	12,606	5,179	1,208	645,321
8	12-20 kgal	88,001	-	23	171	97	2,101	1,349	64	4,610	339	3,887	1,271	318	14,230
9	20-22 kgal		-	63	427	183	3,939	3,754	146	9,489	814	9,072	2,376	550	118,814
10	>22 kgal	119,600	-	8	78	23	484	618	24	1,289	117	1,354	288	84	4,367
11	TOTAL	1,230,247	55,703	3,626	4,964	2,710	72,205	23,827	2,277	123,874	9,431	89,722	42,957	8,667	1,670,210
12															
13	Wastewater														
14			<u>S. Buda MUD</u>	<u>Villas of</u>											TOTAL
15	all	169,667	(wholesale)	Willowbrook											173,289
16															
17	TOTAL	169,667	-	3,622											173,289

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
Docket No 50944
Test Year Ending 12/31/2019
WP/III 5 Proposed Consolidated Rates
Witness George Freitag

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
1									
2									
3	\$36,276,849	\$5,181,507							
4	\$1,687,508	\$284,594							
5	\$70,765	\$71,702							
6	\$34,518,576	\$4,825,211							
7									
8	58.34%	89.92%							
9	\$20,138,137	\$4,338,830							
10									
11	41.66%	10.08%							
12	\$14,380,439	\$486,381							
13									
14	30,991	4,504							
15	\$649.82	\$963.44							
16	\$54.15	\$80.29							
17									
18	WATER BASE								
19	Meter Size	Proposed Consolidate d Rates	ME Factors			Calculated Revenues @ Current Rates	Calculated Revenues @ Monarch's Current Rates	Calculated Revenues @ Proposed Consolidated Rates	
20	5/8"	54.15	1			\$17,917,566	\$17,594,184	\$19,325,052	
21	5/8" x 3/4"	54.15	1			\$0	\$0	\$0	
22	3/4"	81.23	1.5			\$63,753	\$59,456	\$65,309	
23	1"	135.38	2.5			\$255,673	\$248,472	\$272,926	
24	1.5"	270.75	5			\$92,059	\$91,694	\$100,719	
25	2"	433.20	8			\$148,320	\$141,977	\$155,952	
26	3"	812.25	15			\$44,368	\$44,368	\$48,735	
27	4"	1,353.75	25			\$29,579	\$29,579	\$32,490	
28	6"	2,707.50	50			\$29,579	\$29,579	\$32,490	
29	8"	4,332.00	80			\$94,652	\$94,652	\$103,968	
30	10"	6,227.25	115			\$0	\$0	\$0	
31	12"	11,642.25	215			\$0	\$0	\$0	
32						Total	\$18,675,547	\$18,333,960	\$20,137,641
33									
34	WATER GALLONAGE								
35	Tier	Current Monarch Rates	Ratio	Proposed Consolidated Rate		Calculated Revenues @ Current Rates	Calculated Revenues @ Monarch's Current Rates	Calculated Revenues @ Proposed Consolidated Rates	
36	0-1 kgal	7.47	1	7.25		\$272,198	\$514,892	\$499,728	
37	1-2 kgal	7.47	1	7.25		\$3,658,962	\$3,877,408	\$3,763,214	
38	2-6 kgal	9.20	1.23159	8.93		\$794,392	\$1,375,731	\$1,335,356	
39	6-10 kgal	9.20	1.23159	8.93		\$5,727,109	\$5,936,953	\$5,762,717	
40	10-12 kgal	10.43	1.39625	10.12		\$96,138	\$148,419	\$144,008	
41	12-20 kgal	10.43	1.39625	10.12		\$1,135,177	\$1,239,230	\$1,202,398	
42	20-22 kgal	11.11	1.48728	10.78		\$40,591	\$48,517	\$47,076	
43	>22 kgal	11.11	1.48728	10.78		\$1,613,574	\$1,665,945	\$1,616,461	
44						Total	\$13,338,140	\$14,807,095	\$14,370,958
45									
46						TOTAL WATER	\$32,013,687	\$33,141,055	\$34,508,599
47								difference	(\$9,977)
48									
49	WASTEWATER BASE								
50	Meter Size	Proposed Consolidate d Rates	ME Factors			Calculated Revenues @ Current Rates	Calculated Revenues @ Monarch's Current Rates	Calculated Revenues @ Proposed Consolidated Rates	
51	5/8"	80.29	1			\$3,841,835	\$3,912,316	\$4,173,795	
52	5/8" x 3/4"	80.29	1			\$0	\$0	\$0	
53	3/4"	120.44	1.5			\$9,484	\$9,484	\$10,117	
54	1"	200.73	2.5			\$31,611	\$31,611	\$33,723	
55	1.5"	401.45	5			\$40,641	\$40,641	\$43,357	
56	2"	642.32	8			\$14,451	\$14,451	\$15,416	
57	3"	1,204.35	15			\$13,547	\$13,547	\$14,452	
58	4"	2,007.25	25			\$45,158	\$45,158	\$48,174	
59	6"	4,014.50	50			\$0	\$0	\$0	
60	8"	6,423.20	80			\$0	\$0	\$0	
61	10"	9,233.35	115			\$0	\$0	\$0	
62	12"	17,262.35	215			\$0	\$0	\$0	
63						Total	\$3,996,727	\$4,067,208	\$4,339,033
64									
65	WASTEWATER GALLONAGE								
66	Tier	Current Monarch Rates	Ratio	Proposed Consolidated Rate		Calculated Revenues @ Current Rates	Calculated Revenues @ Monarch's Current Rates	Calculated Revenues @ Proposed Consolidated Rates	
67	all	2.64	1	2.80		\$447,921	\$457,483	\$485,209	
68									
69						Total	\$447,921	\$457,483	\$485,209
70									
71						TOTAL WASTEWATER	\$4,444,648	\$4,524,691	\$4,824,243
72								difference	(\$968)

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.6 Proposed Phase-in of Rates for 5/8" of 5/8"x3/4" meter size

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	WATER														
2	phase-in years														
3		1	1	8	4	8	2	1	6	3	4	1	5	6	
4	Water Service Charge														
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19	Water Gallonage Rates (0-1 Kgals)														
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
32															

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 Test Year Ending 12/31/2019
 WP/III.6 Proposed Phase-in of Rates for 5/8" of 5/8"x3/4" meter size
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
33	Water Gallonage Rates (1-2 Kgals)														
34															
35															
36	Note A	9/24/2020													
37	phase 1	8/19/2020													
38	Note A	9/24/2021													
39	phase 2	8/19/2021													
40	phase 3	8/19/2022													
41	phase 4	8/19/2023													
42	phase 5	8/19/2024													
43	phase 6	8/19/2025													
44	phase 7	8/19/2026													
45	phase 8	8/19/2027													
46															
47	Water Gallonage Rates (2-6 Kgals)														
48															
49															
50	Note A	9/24/2020													
51	phase 1	8/19/2020													
52	Note A	9/24/2021													
53	phase 2	8/19/2021													
54	phase 3	8/19/2022													
55	phase 4	8/19/2023													
56	phase 5	8/19/2024													
57	phase 6	8/19/2025													
58	phase 7	8/19/2026													
59	phase 8	8/19/2027													
60															

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.6 Proposed Phase-in of Rates for 5/8" of 5/8"x3/4" meter size

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
61	Water Gallonage Rates (6-10 Kgals)														
62															
63															
64															
65															
66															
67															
68															
69															
70															
71															
72															
73															
74															
75	Water Gallonage Rates (10-12 Kgals)														
76															
77															
78															
79															
80															
81															
82															
83															
84															
85															
86															
87															
88															

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Docket No. 50944

Test Year Ending 12/31/2019

WP/III.6 Proposed Phase-in of Rates for 5/8" of 5/8"x3/4" meter size

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
89	Water Gallonage Rates (12-20 Kgals)														
			<u>S. Buda MUD</u>	<u>Villas of</u>	<u>Oak</u>		<u>Ni</u>		<u>Western</u>	<u>Water</u>				<u>Wied -</u>	
			<u>Monarch</u>	<u>(wholesale)</u>	<u>Willowbrook</u>	<u>Terrace</u>	<u>Dal-High</u>	<u>America</u>	<u>Inverness</u>	<u>Trails</u>	<u>Services</u>	<u>Huntington</u>	<u>Diamond</u>	<u>Wiedenfeld</u>	<u>Westwood</u>
90		current	\$10.43	\$10.43	\$4.12	\$3.00	\$1.50	\$7.50	\$7.50	\$2.86	\$6.20	\$6.30	\$9.04	\$4.26	\$2.37
91	Note A	9/24/2020									\$6.62		\$10.05		\$2.41
92	phase 1	8/19/2020	\$10.12	\$10.12	\$4.87	\$4.78	\$2.58	\$8.81	\$10.12	\$4.07	\$6.62	\$7.26	\$10.05	\$5.43	\$2.41
93	Note A	9/24/2021									\$7.03		\$11.06		
94	phase 2	8/19/2021	\$10.12	\$10.12	\$5.62	\$6.56	\$3.66	\$10.12	\$10.12	\$5.28	\$7.03	\$8.21	\$11.06	\$6.60	\$3.70
95	phase 3	8/19/2022	\$10.12	\$10.12	\$6.37	\$8.34	\$4.73	\$10.12	\$10.12	\$6.49	\$8.06	\$9.17	\$10.12	\$7.78	\$4.98
96	phase 4	8/19/2023	\$10.12	\$10.12	\$7.12	\$10.12	\$5.81	\$10.12	\$10.12	\$7.70	\$9.09	\$10.12	\$10.12	\$8.95	\$6.27
97	phase 5	8/19/2024	\$10.12	\$10.12	\$7.87	\$10.12	\$6.89	\$10.12	\$10.12	\$8.91	\$10.12	\$10.12	\$10.12	\$10.12	\$7.55
98	phase 6	8/19/2025	\$10.12	\$10.12	\$8.62	\$10.12	\$7.97	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$8.84
99	phase 7	8/19/2026	\$10.12	\$10.12	\$9.37	\$10.12	\$9.04	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12
100	phase 8	8/19/2027	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12	\$10.12
101															
102															
103	Water Gallonage Rates (20-22 Kgals)														
			<u>S. Buda MUD</u>	<u>Villas of</u>	<u>Oak</u>		<u>Ni</u>		<u>Western</u>	<u>Water</u>				<u>Wied -</u>	
			<u>Monarch</u>	<u>(wholesale)</u>	<u>Willowbrook</u>	<u>Terrace</u>	<u>Dal-High</u>	<u>America</u>	<u>Inverness</u>	<u>Trails</u>	<u>Services</u>	<u>Huntington</u>	<u>Diamond</u>	<u>Wiedenfeld</u>	<u>Westwood</u>
104		current	\$11.11	\$11.11	\$4.12	\$3.00	\$1.50	\$7.50	\$7.50	\$2.86	\$9.90	\$10.07	\$12.08	\$4.66	\$3.79
105	Note A	9/24/2020									\$10.57		\$13.43		\$3.81
106	phase 1	8/19/2020	\$10.78	\$10.78	\$4.95	\$4.95	\$2.66	\$9.14	\$10.78	\$4.18	\$10.57	\$10.25	\$13.43	\$5.88	\$3.81
107	Note A	9/24/2021									\$11.24		\$14.78		
108	phase 2	8/19/2021	\$10.78	\$10.78	\$5.79	\$6.89	\$3.82	\$10.78	\$10.78	\$5.50	\$11.24	\$10.43	\$14.78	\$7.11	\$4.97
109	phase 3	8/19/2022	\$10.78	\$10.78	\$6.62	\$8.84	\$4.98	\$10.78	\$10.78	\$6.82	\$11.09	\$10.60	\$10.78	\$8.33	\$6.13
110	phase 4	8/19/2023	\$10.78	\$10.78	\$7.45	\$10.78	\$6.14	\$10.78	\$10.78	\$8.14	\$10.93	\$10.78	\$10.78	\$9.56	\$7.30
111	phase 5	8/19/2024	\$10.78	\$10.78	\$8.28	\$10.78	\$7.30	\$10.78	\$10.78	\$9.46	\$10.78	\$10.78	\$10.78	\$10.78	\$8.46
112	phase 6	8/19/2025	\$10.78	\$10.78	\$9.12	\$10.78	\$8.46	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$9.62
113	phase 7	8/19/2026	\$10.78	\$10.78	\$9.95	\$10.78	\$9.62	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78
114	phase 8	8/19/2027	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78	\$10.78
115															
116															

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.6 Proposed Phase-in of Rates for 5/8" of 5/8"x3/4" meter size

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
117	Water Gallonage Rates (>22 Kgal/s)														
118															
119															
120	Note A	current													
121	phase 1	8/19/2020													
122	Note A	9/24/2021													
123	phase 2	8/19/2021													
124	phase 3	8/19/2022													
125	phase 4	8/19/2023													
126	phase 5	8/19/2024													
127	phase 6	8/19/2025													
128	phase 7	8/19/2026													
129	phase 8	8/19/2027													
130															
131	*Per Docket No. 47736, WSI and Diamond each have tariffs with scheduled rate changes in September 2020 and September 2021.														
132	*Per Docket No. 47736, Westwood has tariffs with scheduled rate changes in September 2020.														
133															
134	WASTEWATER														
135	phase-in years		1				8								
136															
137	Wastewater Service Charge														
138															
139	phase 1	current													
140	phase 2	8/19/2020													
141	phase 3	8/19/2021													
142	phase 4	8/19/2022													
143	phase 5	8/19/2023													
144	phase 6	8/19/2024													
145	phase 7	8/19/2025													
146	phase 8	8/19/2026													
147	phase 8	8/19/2027													
148															

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.6 Proposed Phase-in of Rates for 5/8" of 5/8"x3/4" meter size

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
149	Wastewater Gallonage Rates (all Kgal)														
150			Monarch	S. Buda MUD (wholesale)	Villas of Willowbrook	Oak Terrace Dal-High	Ni America Inverness	Western Trails	Water Services	Huntington	Diamond	Wiedenfeld	Westwood		
151		current	\$2.64		\$0.00										
152	phase 1	8/19/2020	\$2.80		\$0.35										
153	phase 2	8/19/2021	\$2.80		\$0.70										
154	phase 3	8/19/2022	\$2.80		\$1.05										
155	phase 4	8/19/2023	\$2.80		\$1.40										
156	phase 5	8/19/2024	\$2.80		\$1.75										
157	phase 6	8/19/2025	\$2.80		\$2.10										
158	phase 7	8/19/2026	\$2.80		\$2.45										
159	phase 8	8/19/2027	\$2.80		\$2.80										

Note A: Water Services, Diamond, and Wiedenfeld-Westwood each have existing phase-ins per Docket No. 47736

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/III.7 Calculated Revenues from Current & Proposed Rates
Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Water Service Charge Revenues									
2		Current	Phase 1 Rates	Phase 2 Rates	Phase 3 Rates	Phase 4 Rates	Phase 5 Rates	Phase 6 Rates	Phase 7 Rates	Phase 8 Rates
3		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
4	5/8	\$17,917,566	\$19,398,376	\$19,595,041	\$19,221,004	\$19,258,552	\$19,288,372	\$19,303,712	\$19,316,630	\$19,325,052
5	5/8 x 3/4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	3/4	\$63,753	\$66,852	\$67,800	\$65,630	\$65,468	\$65,305	\$65,305	\$65,305	\$65,305
7	1	\$255,673	\$278,735	\$281,773	\$272,953	\$273,051	\$272,916	\$272,916	\$272,916	\$272,916
8	1.5	\$92,059	\$100,959	\$102,581	\$100,376	\$100,400	\$100,424	\$100,719	\$100,719	\$100,719
9	2	\$148,320	\$161,746	\$163,412	\$156,169	\$156,060	\$155,952	\$155,952	\$155,952	\$155,952
10	3	\$44,368	\$48,735	\$48,735	\$48,735	\$48,735	\$48,735	\$48,735	\$48,735	\$48,735
11	4	\$29,579	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490
12	6	\$29,579	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490	\$32,490
13	8	\$94,652	\$103,968	\$103,968	\$103,968	\$103,968	\$103,968	\$103,968	\$103,968	\$103,968
14	10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	TOTAL	\$18,675,547	\$20,224,351	\$20,428,290	\$20,033,815	\$20,071,213	\$20,100,652	\$20,116,287	\$20,129,205	\$20,137,627
17										
18	Water Gallonage Charge Revenues									
19		Current	Phase 1 Rates	Phase 2 Rates	Phase 3 Rates	Phase 4 Rates	Phase 5 Rates	Phase 6 Rates	Phase 7 Rates	Phase 8 Rates
20		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
21	0-1 kgal	\$272,198	\$317,889	\$362,508	\$421,804	\$458,634	\$492,821	\$495,770	\$498,378	\$499,728
22	1-2 kgal	\$3,658,962	\$3,599,621	\$3,639,778	\$3,693,079	\$3,726,156	\$3,756,948	\$3,759,641	\$3,762,030	\$3,763,214
23	2-6 kgal	\$794,392	\$941,981	\$1,078,514	\$1,156,346	\$1,242,036	\$1,321,923	\$1,328,133	\$1,333,569	\$1,335,356
24	6-10 kgal	\$5,727,109	\$5,623,882	\$5,670,709	\$5,698,364	\$5,729,297	\$5,758,148	\$5,760,318	\$5,762,239	\$5,762,717
25	10-12 kgal	\$96,138	\$113,314	\$124,608	\$128,428	\$135,902	\$142,748	\$143,355	\$143,886	\$144,008
26	12-20 kgal	\$1,135,177	\$1,140,805	\$1,164,468	\$1,171,164	\$1,186,388	\$1,200,074	\$1,201,202	\$1,202,153	\$1,202,398
27	20-22 kgal	\$40,591	\$46,695	\$50,868	\$45,942	\$46,432	\$46,749	\$46,912	\$47,043	\$47,076
28	>22 kgal	\$1,613,574	\$1,607,244	\$1,634,813	\$1,607,330	\$1,610,894	\$1,613,486	\$1,614,999	\$1,616,316	\$1,616,461
29	TOTAL	\$13,338,140	\$13,391,431	\$13,726,267	\$13,922,457	\$14,135,739	\$14,332,897	\$14,350,331	\$14,365,613	\$14,370,958
30										
31	TOTAL WATER REVENUES	\$32,013,687	\$33,615,782	\$34,154,557	\$33,956,272	\$34,206,952	\$34,433,549	\$34,466,617	\$34,494,818	\$34,508,584

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.7 Calculated Revenues from Current & Proposed Rates

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
32	Wastewater Service Charge Revenues									
33	Current									
34			Phase 1 Rates	Phase 2 Rates	Phase 3 Rates	Phase 4 Rates	Phase 5 Rates	Phase 6 Rates	Phase 7 Rates	Phase 8 Rates
35	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
36	5/8	\$3,841,835	\$4,107,371	\$4,116,860	\$4,126,350	\$4,135,839	\$4,145,328	\$4,154,817	\$4,164,306	\$4,173,795
37	5/8 x 3/4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
38	3/4	\$9,484	\$10,117	\$10,117	\$10,117	\$10,117	\$10,117	\$10,117	\$10,117	\$10,117
39	1	\$31,611	\$33,722	\$33,722	\$33,722	\$33,722	\$33,722	\$33,722	\$33,722	\$33,722
40	1.5	\$40,641	\$43,357	\$43,357	\$43,357	\$43,357	\$43,357	\$43,357	\$43,357	\$43,357
41	2	\$14,451	\$15,416	\$15,416	\$15,416	\$15,416	\$15,416	\$15,416	\$15,416	\$15,416
42	3	\$13,547	\$14,452	\$14,452	\$14,452	\$14,452	\$14,452	\$14,452	\$14,452	\$14,452
43	4	\$45,158	\$48,174	\$48,174	\$48,174	\$48,174	\$48,174	\$48,174	\$48,174	\$48,174
44	6	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45	8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
46	10	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
47	12	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
48	TOTAL	\$3,996,727	\$4,272,608	\$4,282,097	\$4,291,586	\$4,301,076	\$4,310,565	\$4,320,054	\$4,329,543	\$4,339,032
49	Wastewater Gallonage Charge Revenues									
50	Current									
51			Phase 1 Rates	Phase 2 Rates	Phase 3 Rates	Phase 4 Rates	Phase 5 Rates	Phase 6 Rates	Phase 7 Rates	Phase 8 Rates
52	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
53	all kgal	\$447,921	\$476,335	\$477,603	\$478,871	\$480,138	\$481,406	\$482,674	\$483,942	\$485,209
54										
55	TOTAL	\$447,921	\$476,335	\$477,603	\$478,871	\$480,138	\$481,406	\$482,674	\$483,942	\$485,209
56										
57	TOTAL WASTEWATER REVENUES	\$4,444,648	\$4,748,944	\$4,759,700	\$4,770,457	\$4,781,214	\$4,791,971	\$4,802,728	\$4,813,485	\$4,824,241
58										
59	TOTAL CALCULATED REVENUE:	\$36,458,335	\$38,364,725	\$38,914,257	\$38,726,729	\$38,988,166	\$39,225,520	\$39,269,345	\$39,308,303	\$39,332,826

Note: The original Excel root file contains additional columns.

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/III 8 Bill Comparison - Water 5/8" or 5/8"x3/4" @ 5, 10, 15 & 30 Kgal
Witness George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
1														
2	PHASES	1	1	8	4	8	2	1	6	3	4	1	5	6
3														
4	RESIDENTIAL 5/8" or 5/8"x3/4" WATER BILL @ 5 kgal													
5	After ALL phase-ins completed													
6		S. Buda MUD Monarch (wholesale)	Villas of Willowbrook	Oak Terrace	Ni Dal-High	Ni America	Inverness	Western Trails	Water Services	Huntington	Diamond	Wiedenfeld	Wied - Westwood	
7	current	91.84	91.84	20.60	58.50	20.50	80.00	127.50	38.92	70.46	64.55	106.01	49.08	40.71
8	proposed	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44
9	\$ change	3.60	3.60	74.84	36.94	74.94	15.44	(32.06)	56.52	24.98	30.89	(10.57)	46.36	54.73
10	% change	3.92%	3.9%	363.3%	63.1%	365.6%	19.3%	-25.1%	145.2%	35.5%	47.9%	-10.0%	94.5%	134.4%
11														
12	Phase 1													
13	current	91.84	91.84	20.60	58.50	20.50	80.00	127.50	38.92		64.55		49.08	
14	proposed	95.44	95.44	29.96	67.74	29.87	87.72	95.44	48.34		72.27		58.35	
15	\$ change	3.60	3.60	9.36	9.24	9.37	7.72	(32.06)	9.42		7.72		9.27	
16	% change	3.9%	3.9%	45.4%	15.8%	45.7%	9.7%	-25.1%	24.2%		12.0%		18.9%	
17														
18	Phase 2													
19	phase 1	95.44	95.44	29.96	67.74	29.87	87.72	95.44	48.34		72.27		58.35	41.41
20	proposed	95.44	95.44	39.31	76.97	39.24	95.44	95.44	57.76		80.00		67.62	50.51
21	\$ change	-	-	9.36	9.24	9.37	7.72	-	9.42		7.72		9.27	9.10
22	% change	0.0%	0.0%	31.2%	13.6%	31.4%	8.8%	0.0%	19.5%		10.7%		15.9%	22.0%
23														
24	Phase 3													
25	phase 2	95.44	95.44	39.31	76.97	39.24	95.44	95.44	57.76	79.95	80.00	129.94	67.62	50.51
26	proposed	95.44	95.44	48.67	86.21	48.60	95.44	95.44	67.18	85.11	87.72	95.44	76.90	59.52
27	\$ change	-	-	9.36	9.24	9.37	-	-	9.42	5.16	7.72	(34.50)	9.27	9.01
28	% change	0.0%	0.0%	23.8%	12.0%	23.9%	0.0%	0.0%	16.3%	6.5%	9.7%	-26.6%	13.7%	17.8%
29														
30	Phase 4													
31	phase 3	95.44	95.44	48.67	86.21	48.60	95.44	95.44	67.18	85.11	87.72	95.44	76.90	59.52
32	proposed	95.44	95.44	58.02	95.44	57.97	95.44	95.44	76.60	90.28	95.44	95.44	86.17	68.52
33	\$ change	-	-	9.36	9.23	9.37	-	-	9.42	5.16	7.72	-	9.27	9.01
34	% change	0.0%	0.0%	19.2%	10.7%	19.3%	0.0%	0.0%	14.0%	6.1%	8.8%	0.0%	12.1%	15.1%
35														
36	Phase 5													
37	phase 4	95.44	95.44	58.02	95.44	57.97	95.44	95.44	76.60	90.28	95.44	95.44	86.17	68.52
38	proposed	95.44	95.44	67.38	95.44	67.34	95.44	95.44	86.02	95.44	95.44	95.44	95.44	77.53
39	\$ change	-	-	9.36	-	9.37	-	-	9.42	5.16	-	-	9.27	9.01
40	% change	0.0%	0.0%	16.1%	0.0%	16.2%	0.0%	0.0%	12.3%	5.7%	0.0%	0.0%	10.8%	13.1%
41														
42	Phase 6													
43	phase 5	95.44	95.44	67.38	95.44	67.34	95.44	95.44	86.02	95.44	95.44	95.44	95.44	77.53
44	proposed	95.44	95.44	76.73	95.44	76.71	95.44	95.44	95.44	95.44	95.44	95.44	95.44	86.53
45	\$ change	-	-	9.36	-	9.37	-	-	9.42	-	-	-	-	9.01
46	% change	0.0%	0.0%	13.9%	0.0%	13.9%	0.0%	0.0%	11.0%	0.0%	0.0%	0.0%	0.0%	11.6%
47														
48	Phase 7													
49	phase 6	95.44	95.44	76.73	95.44	76.71	95.44	95.44	95.44	95.44	95.44	95.44	95.44	86.53
50	proposed	95.44	95.44	86.09	95.44	86.07	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.54
51	\$ change	-	-	9.36	-	9.37	-	-	-	-	-	-	-	9.01
52	% change	0.0%	0.0%	12.2%	0.0%	12.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.4%
53														
54	Phase 8													
55	phase 7	95.44	95.44	86.09	95.44	86.07	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.54
56	proposed	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44	95.44
57	\$ change	-	-	9.35	-	9.37	-	-	-	-	-	-	-	(0.10)
58	% change	0.0%	0.0%	10.9%	0.0%	10.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%

Monarch Utilities I L P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/III.8 Bill Comparison - Water 5/8" or 5/8"x3/4" @ 5, 10, 15 & 30 Kgal
Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
59	RESIDENTIAL 5/8" or 5/8"x3/4" WATER BILL @ 10 kgal													
60	After ALL phase-ins completed													
61														
62														
63														
64	current	137.84	137.84	41.20	73.50	28.00	100.00	155.00	53.22	93.06	87.55	143.56	68.13	49.36
65	proposed	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09
66	\$ change	2.25	2.25	98.89	66.59	112.09	40.09	(14.91)	86.87	47.03	52.54	(3.47)	71.96	90.73
67	% change	1.6%	1.6%	240.0%	90.6%	400.3%	40.1%	-9.6%	163.2%	50.5%	60.0%	-2.4%	105.6%	183.8%
68	Phase 1													
69	current	137.84	137.84	41.20	73.50	28.00	100.00	155.00	53.22		87.55		68.13	
70	proposed	140.09	140.09	53.56	90.15	42.01	120.05	140.09	67.70		100.69		82.52	
71	\$ change	2.25	2.25	12.36	16.65	14.01	20.05	(14.91)	14.48		13.14		14.39	
72	% change	1.6%	1.6%	30.0%	22.6%	50.0%	20.0%	-9.6%	27.2%		15.0%		21.1%	
73	Phase 2													
74	phase 1	140.09	140.09	53.56	90.15	42.01	120.05	140.09	67.70		100.69		82.52	50.21
75	proposed	140.09	140.09	65.92	106.80	56.02	140.09	140.09	82.18		113.82		96.91	65.29
76	\$ change	-	-	12.36	16.65	14.01	20.05	-	14.48		13.14		14.39	15.08
77	% change	0.0%	0.0%	23.1%	18.5%	33.4%	16.7%	0.0%	21.4%		13.0%		17.4%	30.0%
78	Phase 3													
79	phase 2	140.09	140.09	65.92	106.80	56.02	140.09	140.09	82.18	105.60	113.82	175.89	96.91	65.29
80	proposed	140.09	140.09	78.28	123.44	70.03	140.09	140.09	96.66	117.10	126.96	140.09	111.31	80.27
81	\$ change	-	-	12.36	16.65	14.01	-	-	14.48	11.50	13.14	(35.80)	14.39	14.98
82	% change	0.0%	0.0%	18.8%	15.6%	25.0%	0.0%	0.0%	17.6%	10.9%	11.5%	-70.4%	14.9%	22.9%
83	Phase 4													
84	phase 3	140.09	140.09	78.28	123.44	70.03	140.09	140.09	96.66	117.10	126.96	140.09	111.31	80.27
85	proposed	140.09	140.09	90.65	140.09	84.05	140.09	140.09	111.13	128.59	140.09	140.09	125.70	95.25
86	\$ change	-	-	12.36	16.65	14.01	-	-	14.48	11.50	13.14	-	14.39	14.98
87	% change	0.0%	0.0%	15.8%	13.5%	20.0%	0.0%	0.0%	15.0%	9.8%	10.3%	0.0%	12.9%	18.7%
88	Phase 5													
89	phase 4	140.09	140.09	90.65	140.09	84.05	140.09	140.09	111.13	128.59	140.09	140.09	125.70	95.25
90	proposed	140.09	140.09	103.01	140.09	98.06	140.09	140.09	125.61	140.09	140.09	140.09	140.09	110.23
91	\$ change	-	-	12.36	-	14.01	-	-	14.48	11.50	-	-	14.39	14.98
92	% change	0.0%	0.0%	13.6%	0.0%	16.7%	0.0%	0.0%	13.0%	8.9%	0.0%	0.0%	11.4%	15.7%
93	Phase 6													
94	phase 5	140.09	140.09	103.01	140.09	98.06	140.09	140.09	125.61	140.09	140.09	140.09	140.09	110.23
95	proposed	140.09	140.09	115.37	140.09	112.07	140.09	140.09	140.09	140.09	140.09	140.09	140.09	125.21
96	\$ change	-	-	12.36	-	14.01	-	-	14.48	-	-	-	-	14.98
97	% change	0.0%	0.0%	12.0%	0.0%	14.3%	0.0%	0.0%	11.5%	0.0%	0.0%	0.0%	0.0%	13.6%

Monarch Utilities I L.P.
Docket No 50944
Test Year Ending 12/31/2019
WP/III 8 Bill Comparison - Water 5/8" or 5/8"x3/4" @ 5, 10, 15 & 30 Kgal
Witness: George Freitag

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
104	Phase 7													
105	phase 6	140.09	140.09	115.37	140.09	112.07	140.09	140.09	140.09	140.09	140.09	140.09	140.09	125.21
106	proposed	140.09	140.09	127.73	140.09	126.08	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.19
107	\$ change	-	-	12.36	-	14.01	-	-	-	-	-	-	-	14.98
108	% change	0.0%	0.0%	10.7%	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.0%
109	Phase 8													
110	phase 7	140.09	140.09	127.73	140.09	126.08	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.19
111	proposed	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09	140.09
112	\$ change	-	-	12.36	-	14.01	-	-	-	-	-	-	-	(0.09)
113	% change	0.0%	0.0%	9.7%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
114	RESIDENTIAL 5/8" or 5/8"x3/4" WATER BILL @ 15 kgal													
115	After ALL phase-ins completed													
116		S. Buda MUD	Villas of	Oak	Ni	Western	Water							
117		Monarch (wholesale)	Willowbrook	Terrace	Dal-High	America	Inverness	Trails	Services	Huntington	Diamond	Wredenfeld	Westwood	
118	current	189.99	189.99	61.80	88.50	35.50	137.50	188.50	67.52	124.06	119.05	188.76	89.43	61.21
119	proposed	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69
120	\$ change	0.70	0.70	128.89	102.19	155.19	53.19	2.19	123.17	66.63	71.64	1.93	101.26	129.48
121	% change	0.4%	0.4%	208.6%	115.5%	437.2%	38.7%	1.2%	182.4%	53.7%	60.2%	1.0%	113.2%	211.5%
122	Phase 1													
123	current	189.99	189.99	61.80	88.50	35.50	137.50	188.50	67.52	124.06	119.05	188.76	89.43	61.21
124	proposed	190.69	190.69	77.91	114.05	54.90	164.10	190.69	88.05		136.96		109.68	
125	\$ change	0.70	0.70	16.11	25.55	19.40	26.60	2.19	20.53		17.91		20.25	
126	% change	0.4%	0.4%	26.1%	28.9%	54.6%	19.3%	1.2%	30.4%		15.0%		22.6%	
127	Phase 2													
128	phase 1	190.69	190.69	77.91	114.05	54.90	164.10	190.69	88.05		136.96		109.68	62.26
129	proposed	190.69	190.69	94.02	139.60	74.30	190.69	190.69	108.58		154.87		129.93	83.76
130	\$ change	-	-	16.11	25.55	19.40	26.60	-	20.53		17.91		20.25	21.50
131	% change	0.0%	0.0%	20.7%	22.4%	35.3%	16.2%	0.0%	23.3%		13.1%		18.5%	34.5%
132	Phase 3													
133	phase 2	190.69	190.69	94.02	139.60	74.30	190.69	190.69	108.58	140.75	154.87	231.19	129.93	83.76
134	proposed	190.69	190.69	110.13	165.14	93.70	190.69	190.69	129.11	157.40	172.78	190.69	150.19	105.17
135	\$ change	-	-	16.11	25.55	19.40	-	-	20.53	16.65	17.91	(40.50)	20.25	21.41
136	% change	0.0%	0.0%	17.1%	18.3%	26.1%	0.0%	0.0%	18.9%	11.8%	11.6%	-17.5%	15.6%	25.6%
137	Phase 4													
138	phase 3	190.69	190.69	110.13	165.14	93.70	190.69	190.69	129.11	157.40	172.78	190.69	150.19	105.17
139	proposed	190.69	190.69	126.25	190.69	113.10	190.69	190.69	149.63	174.04	190.69	190.69	170.44	126.57
140	\$ change	-	-	16.11	25.55	19.40	-	-	20.53	16.65	17.91	-	20.25	21.41
141	% change	0.0%	0.0%	14.6%	15.5%	20.7%	0.0%	0.0%	15.9%	10.6%	10.4%	0.0%	13.5%	20.4%
142	Phase 5													
143	phase 4	190.69	190.69	126.25	190.69	113.10	190.69	190.69	149.63	174.04	190.69	190.69	170.44	126.57
144	proposed	190.69	190.69	142.36	190.69	132.49	190.69	190.69	170.16	190.69	190.69	190.69	190.69	147.98
145	\$ change	-	-	16.11	-	19.40	-	-	20.53	16.65	-	-	20.25	21.41
146	% change	0.0%	0.0%	12.8%	0.0%	17.2%	0.0%	0.0%	13.7%	9.6%	0.0%	0.0%	11.9%	16.9%

Monarch Utilities I L P
Docket No. 50944
Test Year Ending 12/31/2019
WP/III 8 Bill Comparison - Water 5/8" or 5/8"x3/4" @ 5, 10, 15 & 30 Kgal
Witness: George Freitag

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
155														
156	Phase 6													
157	phase 5	190.69	190.69	142.36	190.69	132.49	190.69	190.69	170.16	190.69	190.69	190.69	190.69	147.98
158	proposed	190.69	190.69	158.47	190.69	151.89	190.69	190.69	190.69	190.69	190.69	190.69	190.69	169.38
159	\$ change	-	-	16.11	-	19.40	-	-	20.53	-	-	-	-	21.41
160	% change	0.0%	0.0%	11.3%	0.0%	14.6%	0.0%	0.0%	12.1%	0.0%	0.0%	0.0%	0.0%	14.5%
161														
162	Phase 7													
163	phase 6	190.69	190.69	158.47	190.69	151.89	190.69	190.69	190.69	190.69	190.69	190.69	190.69	169.38
164	proposed	190.69	190.69	174.58	190.69	171.29	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.79
165	\$ change	-	-	16.11	-	19.40	-	-	-	-	-	-	-	21.41
166	% change	0.0%	0.0%	10.2%	0.0%	12.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	17.6%
167														
168	Phase 8													
169	phase 7	190.69	190.69	174.58	190.69	171.29	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.79
170	proposed	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69	190.69
171	\$ change	-	-	16.11	-	19.40	-	-	-	-	-	-	-	(0.10)
172	% change	0.0%	0.0%	9.2%	0.0%	11.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
173														
174														
175	RESIDENTIAL 5/8" or 5/8"x3/4" WATER BILL @ 30 kgal													
176	After All phase-ins completed													
177		Monarch (wholesale)	S. Buda MUD	Villas of Willowbrook	Oak Terrace	Ni-Dal-High	Ni-America	Inverness	Western Trails	Water Services	Huntington	Diamond	Wiedenfeld	Wied - Westwood
178	current	353.24	353.24	123.60	133.50	58.00	250.00	317.00	110.42	254.06	251.25	354.76	157.33	110.96
179	proposed	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09
180	\$ change	(4.15)	(4.15)	225.49	215.59	291.09	99.09	32.09	238.67	95.03	97.84	(5.67)	191.76	238.13
181	% change	-1.2%	-1.2%	182.4%	161.5%	501.9%	39.6%	10.1%	216.1%	37.4%	38.9%	-1.6%	121.9%	214.6%
182														
183	Phase 1													
184	current	353.24	353.24	123.60	133.50	58.00	250.00	317.00	110.42	254.06	251.25	354.76	157.33	110.96
185	proposed	349.09	349.09	151.79	187.40	94.39	299.55	349.09	150.20	275.71	275.71	354.76	195.68	112.41
186	\$ change	(4.15)	(4.15)	28.19	53.90	36.39	49.55	32.09	39.78	24.46	24.46	-	38.35	39.54
187	% change	-1.2%	-1.2%	22.8%	40.4%	62.7%	19.8%	10.1%	36.0%	9.7%	9.7%	-	24.4%	35.4%
188														
189	Phase 2													
190	phase 1	349.09	349.09	151.79	187.40	94.39	299.55	349.09	150.20	275.71	275.71	354.76	195.68	112.41
191	proposed	349.09	349.09	179.97	241.30	130.77	349.09	349.09	189.98	300.17	300.17	354.76	234.03	151.95
192	\$ change	-	-	28.19	53.90	36.39	49.55	-	39.78	24.46	24.46	-	38.35	39.54
193	% change	0.0%	0.0%	18.6%	78.8%	38.6%	16.5%	0.0%	26.5%	8.9%	8.9%	-	19.6%	35.2%
194														
195	Phase 3													
196	phase 2	349.09	349.09	179.97	241.30	130.77	349.09	349.09	189.98	288.30	300.17	434.29	234.03	151.95
197	proposed	349.09	349.09	208.16	295.19	167.16	349.09	349.09	229.76	308.56	324.63	349.09	272.39	191.40
198	\$ change	-	-	28.19	53.90	36.39	-	-	39.78	20.26	24.46	(85.20)	38.35	39.45
199	% change	0.0%	0.0%	15.7%	22.3%	27.8%	0.0%	0.0%	20.9%	7.0%	8.1%	-19.6%	16.4%	26.0%
200														
201	Phase 4													
202	phase 3	349.09	349.09	208.16	295.19	167.16	349.09	349.09	229.76	308.56	324.63	349.09	272.39	191.40
203	proposed	349.09	349.09	236.35	349.09	203.55	349.09	349.09	269.53	328.83	349.09	349.09	310.74	230.85
204	\$ change	-	-	28.19	53.90	36.39	-	-	39.78	20.26	24.46	-	38.35	39.45
205	% change	0.0%	0.0%	13.5%	18.3%	21.8%	0.0%	0.0%	17.3%	6.6%	7.5%	0.0%	14.1%	20.6%
206														
207	Phase 5													
208	phase 4	349.09	349.09	236.35	349.09	203.55	349.09	349.09	269.53	328.83	349.09	349.09	310.74	230.85
209	proposed	349.09	349.09	264.53	349.09	239.93	349.09	349.09	309.31	349.09	349.09	349.09	349.09	270.29
210	\$ change	-	-	28.19	-	36.39	-	-	39.78	20.26	-	-	38.35	39.45
211	% change	0.0%	0.0%	11.9%	0.0%	17.9%	0.0%	0.0%	14.8%	6.2%	0.0%	0.0%	12.3%	17.1%
212														

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WP/III.8 Bill Comparison - Water 5/8" or 5/8"x3/4" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
213	Phase 6													
214	phase 5	349.09	349.09	264.53	349.09	239.93	349.09	349.09	309.31	349.09	349.09	349.09	349.09	270.29
215	proposed	349.09	349.09	292.72	349.09	276.32	349.09	349.09	349.09	349.09	349.09	349.09	349.09	309.74
216	\$ change	-	-	28.19	-	36.39	-	-	39.78	-	-	-	-	39.45
217	% change	0.0%	0.0%	10.7%	0.0%	15.2%	0.0%	0.0%	12.9%	0.0%	0.0%	0.0%	0.0%	14.6%
218														
219	Phase 7													
220	phase 6	349.09	349.09	292.72	349.09	276.32	349.09	349.09	349.09	349.09	349.09	349.09	349.09	309.74
221	proposed	349.09	349.09	320.90	349.09	312.70	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.19
222	\$ change	-	-	28.19	-	36.39	-	-	-	-	-	-	-	39.45
223	% change	0.0%	0.0%	9.6%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.7%
224														
225	Phase 8													
226	phase 7	349.09	349.09	320.90	349.09	312.70	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.19
227	proposed	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09	349.09
228	\$ change	-	-	28.19	-	36.39	-	-	-	-	-	-	-	(0.09)
229	% change	0.0%	0.0%	8.8%	0.0%	11.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

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Test Year Ending 12/31/2019

WP/III.9 Bill Comparison - Wastewater 5/8" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)	(c)
1			
2	PHASES	1	8
3			
4	RESIDENTIAL 5/8" SEWER BILL @ 5 kgal		
5	After ALL phase-ins completed		
6		Monarch	Villas of Willowbrook
7	current	\$88.46	\$10.00
8	proposed	\$94.29	\$94.29
9	\$ change	\$5.83	\$84.29
10	% change	6.59%	842.9%
11			
12	<u>Phase 1</u>		
13	current	\$88.46	\$10.00
14	proposed	\$94.29	\$20.54
15	\$ change	\$5.83	\$10.54
16	% change	6.6%	105.4%
17			
18	<u>Phase 2</u>		
19	Phase 1	\$94.29	\$20.54
20	proposed	\$94.29	\$31.07
21	\$ change	\$0.00	\$10.54
22	% change	0.0%	51.3%
23			
24	<u>Phase 3</u>		
25	Phase 2	\$94.29	\$31.07
26	proposed	\$94.29	\$41.61
27	\$ change	\$0.00	\$10.54
28	% change	0.0%	33.9%
29			
30	<u>Phase 4</u>		
31	Phase 3	\$94.29	\$41.61
32	proposed	\$94.29	\$52.15
33	\$ change	\$0.00	\$10.54
34	% change	0.0%	25.3%
35			
36	<u>Phase 5</u>		
37	Phase 4	\$94.29	\$52.15
38	proposed	\$94.29	\$62.68
39	\$ change	\$0.00	\$10.54
40	% change	0.0%	20.2%
41			

Monarch Utilities I L.P.

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Test Year Ending 12/31/2019

WP/III.9 Bill Comparison - Wastewater 5/8" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)	(c)
42	Phase 6		
43	Phase 5	\$94.29	\$62.68
44	proposed	\$94.29	\$73.22
45	\$ change	\$0.00	\$10.54
46	% change	0.0%	16.8%
47			
48	Phase 7		
49	Phase 6	\$94.29	\$73.22
50	proposed	\$80.29	\$83.75
51	\$ change	(\$14.00)	\$10.54
52	% change	-14.8%	14.4%
53			
54	Phase 8		
55	Phase 7	\$80.29	\$83.75
56	proposed	\$94.29	\$94.29
57	\$ change	\$14.00	\$10.54
58	% change	17.4%	12.6%
59			
60			
61	RESIDENTIAL 5/8" SEWER BILL @ 10 kgal		
62	After ALL phase-ins completed		
63		Monarch	Villas of Willowbrook
64	current	\$101.66	\$10.00
65	proposed	\$108.29	\$108.29
66	\$ change	\$6.63	\$98.29
67	% change	6.5%	982.9%
68			
69	Phase 1		
70	current	\$101.66	\$10.00
71	proposed	\$108.29	\$22.29
72	\$ change	\$6.63	\$12.29
73	% change	6.5%	122.9%
74			

Monarch Utilities I L.P.

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Test Year Ending 12/31/2019

WP/III.9 Bill Comparison - Wastewater 5/8" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)	(c)
75	Phase 2		
76	Phase 1	\$108.29	\$22.29
77	proposed	\$108.29	\$34.57
78	\$ change	\$0.00	\$12.29
79	% change	0.0%	55.1%
80			
81	Phase 3		
82	Phase 2	\$108.29	\$34.57
83	proposed	\$108.29	\$46.86
84	\$ change	\$0.00	\$12.29
85	% change	0.0%	35.5%
86			
87	Phase 4		
88	Phase 3	\$108.29	\$46.86
89	proposed	\$108.29	\$59.15
90	\$ change	\$0.00	\$12.29
91	% change	0.0%	26.2%
92			
93	Phase 5		
94	Phase 4	\$108.29	\$59.15
95	proposed	\$108.29	\$71.43
96	\$ change	\$0.00	\$12.29
97	% change	0.0%	20.8%
98			
99	Phase 6		
100	Phase 5	\$108.29	\$71.43
101	proposed	\$108.29	\$83.72
102	\$ change	\$0.00	\$12.29
103	% change	0.0%	17.2%
104			
105	Phase 7		
106	Phase 6	\$108.29	\$83.72
107	proposed	\$108.29	\$96.00
108	\$ change	\$0.00	\$12.29
109	% change	0.0%	14.7%
110			
111	Phase 8		
112	Phase 7	\$108.29	\$96.00
113	proposed	\$108.29	\$108.29
114	\$ change	\$0.00	\$12.29
115	% change	0.0%	12.8%
116			
117			
118	RESIDENTIAL 5/8" SEWER BILL @ 15 kgal		
119	After ALL phase-ins completed		

Monarch Utilities I L.P.

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Test Year Ending 12/31/2019

WP/III.9 Bill Comparison - Wastewater 5/8" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)		(c)
		Monarch	Villas of Willowbrook	
120				
121	current	\$114.86		\$10.00
122	proposed	\$122.29		\$122.29
123	\$ change	\$7.43		\$112.29
124	% change	6.5%		1122.9%
125				
126	<u>Phase 1</u>			
127	current	\$114.86		\$10.00
128	proposed	\$122.29		\$24.04
129	\$ change	\$7.43		\$14.04
130	% change	6.5%		140.4%
131				
132	<u>Phase 2</u>			
133	Phase 1	\$122.29		\$24.04
134	proposed	\$122.29		\$38.07
135	\$ change	\$0.00		\$14.04
136	% change	0.0%		58.4%
137				
138	<u>Phase 3</u>			
139	Phase 2	\$122.29		\$38.07
140	proposed	\$122.29		\$52.11
141	\$ change	\$0.00		\$14.04
142	% change	0.0%		36.9%
143				
144	<u>Phase 4</u>			
145	Phase 3	\$122.29		\$52.11
146	proposed	\$122.29		\$66.15
147	\$ change	\$0.00		\$14.04
148	% change	0.0%		26.9%
149				
150	<u>Phase 5</u>			
151	Phase 4	\$122.29		\$66.15
152	proposed	\$122.29		\$80.18
153	\$ change	\$0.00		\$14.04
154	% change	0.0%		21.2%
155				

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.9 Bill Comparison - Wastewater 5/8" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)	(c)
156	Phase 6		
157	Phase 5	\$122.29	\$80.18
158	proposed	\$122.29	\$94.22
159	\$ change	\$0.00	\$14.04
160	% change	0.0%	17.5%
161			
162	Phase 7		
163	Phase 6	\$122.29	\$94.22
164	proposed	\$122.29	\$108.25
165	\$ change	\$0.00	\$14.04
166	% change	0.0%	14.9%
167			
168	Phase 8		
169	Phase 7	\$122.29	\$108.25
170	proposed	\$122.29	\$122.29
171	\$ change	\$0.00	\$14.04
172	% change	0.0%	13.0%
173			
174			
175	RESIDENTIAL 5/8" SEWER BILL @ 30 kgal		
176	After ALL phase-ins completed		
177		Monarch	Villas of Willowbrook
178	current	\$154.46	\$10.00
179	proposed	\$164.29	\$164.29
180	\$ change	\$9.83	\$154.29
181	% change	6.36%	1542.9%
182			
183	Phase 1		
184	current	\$154.46	\$10.00
185	proposed	\$164.29	\$29.29
186	\$ change	\$9.83	\$19.29
187	% change	6.4%	192.9%
188			
189	Phase 2		
190	Phase 1	\$164.29	\$29.29
191	proposed	\$164.29	\$48.57
192	\$ change	\$0.00	\$19.29
193	% change	0.0%	65.9%

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.9 Bill Comparison - Wastewater 5/8" @ 5, 10, 15 & 30 Kgal

Witness: George Freitag

Line No.	(a)	(b)	(c)
194			
195	Phase 3		
196	Phase 2	\$164.29	\$48.57
197	proposed	\$164.29	\$67.86
198	\$ change	\$0.00	\$19.29
199	% change	0.0%	39.7%
200			
201	Phase 4		
202	Phase 3	\$164.29	\$67.86
203	proposed	\$164.29	\$87.15
204	\$ change	\$0.00	\$19.29
205	% change	0.0%	28.4%
206			
207	Phase 5		
208	Phase 4	\$164.29	\$87.15
209	proposed	\$164.29	\$106.43
210	\$ change	\$0.00	\$19.29
211	% change	0.0%	22.1%
212			
213	Phase 6		
214	Phase 5	\$164.29	\$106.43
215	proposed	\$164.29	\$125.72
216	\$ change	\$0.00	\$19.29
217	% change	0.0%	18.1%
218			
219	Phase 7		
220	Phase 6	\$164.29	\$125.72
221	proposed	\$164.29	\$145.00
222	\$ change	\$0.00	\$19.29
223	% change	0.0%	15.3%
224			
225	Phase 8		
226	Phase 7	\$164.29	\$145.00
227	proposed	\$164.29	\$164.29
228	\$ change	\$0.00	\$19.29
229	% change	0.0%	13.3%

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/III.10.a Proposed Rates (Monarch)
Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	
1	MONARCH											
2	WATER											
3	Current Rates					Proposed Rates - Phase 1						
4	monthly base rate including 0 gallons					monthly base rate including 0 gallons						
5	meter size					meter size						
6	5/8					5/8					\$49.30	\$54.15
7	5/8 x 3/4					5/8 x 3/4					\$0.00	\$54.15
8	3/4					3/4					\$73.95	\$81.23
9	1					1					\$123.25	\$135.38
10	1 5					1 5					\$246.49	\$270.75
11	2					2					\$394.38	\$433.20
12	3					3					\$739.47	\$812.25
13	4					4					\$1,232.44	\$1,353.75
14	6					6					\$2,464.89	\$2,707.50
15	8					8					\$3,943.82	\$4,332.00
16	10					10					\$6,227.25	\$6,616.50
17	12					12					\$11,642.25	\$12,135.00
18												
19	Gallorage Charge					Gallorage Charge						
20	Tier	Volume	Charge per 1000 gals.	Tier	Volume	Charge per 1000 gals						
21	Tier 1	0 to 2,000 gals	\$7.47	Tier 1	0 to 2,000 gals	\$7.25						
22	Tier 2	2,001 to 10,000 gals	\$9.20	Tier 2	2,001 to 10,000 gals	\$8.93						
23	Tier 3	10,001 to 20,000 gals	\$10.43	Tier 3	10,001 to 20,000 gals	\$10.12						
24	Tier 4	over 20,000 gals	\$11.11	Tier 4	over 20,000 gals	\$10.78						
											\$2.64 per 1,000 gals	\$2.80 per 1,000 gals

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.b Proposed Rates (Villas of Willowbrook)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
1	Villas of Willowbrook													
2	WATER													
3	Current Rates			Proposed Rates			Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8
4	monthly base rate including 2,000 gallons			monthly base rate including 0 gallons										
5	meter size			meter size										
6	all		\$8.24	5/8	\$13.98	\$19.72	\$25.46	\$31.20	\$36.93	\$42.67	\$48.41	\$54.15		
7				5/8 x 3/4	\$13.98	\$19.72	\$25.46	\$31.20	\$36.93	\$42.67	\$48.41	\$54.15		
8				3/4	\$20.97	\$29.58	\$38.18	\$46.79	\$55.40	\$64.01	\$72.62	\$81.23		
9				1	\$34.95	\$49.29	\$63.64	\$77.99	\$92.33	\$106.68	\$121.03	\$135.38		
10				1.5	\$69.89	\$98.59	\$127.28	\$155.98	\$184.67	\$213.36	\$242.06	\$270.75		
11				2	\$111.83	\$157.74	\$203.65	\$249.56	\$295.47	\$341.38	\$387.29	\$433.20		
12				3	\$209.68	\$295.76	\$381.84	\$467.93	\$554.01	\$640.09	\$726.17	\$812.25		
13				4	\$349.47	\$492.94	\$636.41	\$779.88	\$923.34	\$1,066.81	\$1,210.28	\$1,353.75		
14				6	\$698.94	\$985.88	\$1,272.81	\$1,559.75	\$1,846.69	\$2,133.63	\$2,420.56	\$2,707.50		
15				8	\$1,118.30	\$1,577.40	\$2,036.50	\$2,495.60	\$2,954.70	\$3,413.80	\$3,872.90	\$4,332.00		
16				10	\$1,607.56	\$2,267.51	\$2,927.47	\$3,587.43	\$4,247.38	\$4,907.34	\$5,567.29	\$6,227.25		
17				12	\$3,005.43	\$4,239.26	\$5,473.09	\$6,706.93	\$7,940.76	\$9,174.59	\$10,408.42	\$11,642.25		
18														
19	Gallonaage Charge			Gallonaage Charge										
20	Tier	Volume	Charge per 1000 gals.	Tier	Volume	Charge per 1000 gals								
21	Tier 1	over 2,000 gals	\$4.12	Tier 1	0 to 2,000 gals	\$0.91	\$1.81	\$2.72	\$3.63	\$4.53	\$5.44	\$6.34	\$7.25	
22	Tier 2			Tier 2	2,001 to 10,000 gals	\$4.72	\$5.32	\$5.92	\$6.53	\$7.13	\$7.73	\$8.33	\$8.93	
23	Tier 3			Tier 3	10,001 to 20,000 gals	\$4.87	\$5.62	\$6.37	\$7.12	\$7.87	\$8.62	\$9.37	\$10.12	
24	Tier 4			Tier 4	over 20,000 gals	\$4.95	\$5.79	\$6.62	\$7.45	\$8.28	\$9.12	\$9.95	\$10.78	

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.10.b Proposed Rates (Villas of Willowbrook)
 Witness: George Freitag

Line No.	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	
1												
2	SEWER											
3	Current Rates		Proposed Rates		Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8
4	monthly base rate including all gallons		monthly base rate including 0 gallons									
5	meter size		meter size									
6	5/8	\$10.00	5/8	\$18.79	\$27.57	\$36.36	\$45.15	\$53.93	\$62.72	\$71.50	\$80.29	
7	5/8 x 3/4	\$10.00	5/8 x 3/4	\$18.79	\$27.57	\$36.36	\$45.15	\$53.93	\$62.72	\$71.50	\$80.29	
8	3/4	\$10.00	3/4	\$28.18	\$41.36	\$54.54	\$67.72	\$80.90	\$94.08	\$107.26	\$120.44	
9	1	\$10.00	1	\$46.97	\$68.93	\$90.90	\$112.86	\$134.83	\$156.79	\$178.76	\$200.73	
10	1.5	\$10.00	1.5	\$93.93	\$137.86	\$181.79	\$225.73	\$269.66	\$313.59	\$357.52	\$401.45	
11	2	\$10.00	2	\$150.29	\$220.58	\$290.87	\$361.16	\$431.45	\$501.74	\$572.03	\$642.32	
12	3	\$10.00	3	\$281.79	\$413.59	\$545.38	\$677.18	\$808.97	\$940.76	\$1,072.56	\$1,204.35	
13	4	\$10.00	4	\$469.66	\$689.31	\$908.97	\$1,128.63	\$1,348.28	\$1,567.94	\$1,787.59	\$2,007.25	
14	6	\$10.00	6	\$939.31	\$1,378.63	\$1,817.94	\$2,257.25	\$2,696.56	\$3,135.88	\$3,575.19	\$4,014.50	
15	8	\$10.00	8	\$1,502.90	\$2,205.80	\$2,908.70	\$3,611.60	\$4,314.50	\$5,017.40	\$5,720.30	\$6,423.20	
16	10		10	\$2,160.42	\$3,170.84	\$4,181.26	\$5,191.68	\$6,202.09	\$7,212.51	\$8,222.93	\$9,233.35	
17	12		12	\$4,039.04	\$5,928.09	\$7,817.13	\$9,706.18	\$11,595.22	\$13,484.26	\$15,373.31	\$17,262.35	
18												
19	Gallonge Charge		Gallonge Charge									
20	per 1,000 gals	\$0.00	per 1,000 gals.	\$0.35	\$0.70	\$1.05	\$1.40	\$1.75	\$2.10	\$2.45	\$2.80	
21												
22												
23												
24												

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.c Proposed Rates (Oak Terrace)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
1	Oak Terrace									
2	WATER									
3	Current Rates			Proposed Rates			Phase 1	Phase 2	Phase 3	Phase 4
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons						
5	meter size			meter size						
6	5/8		\$43.50	5/8		\$46.16	\$48.83	\$51.49	\$54.15	
7	5/8 x 3/4			5/8 x 3/4		\$46.16	\$48.83	\$51.49	\$54.15	
8	3/4			3/4		\$69.24	\$73.24	\$77.23	\$81.23	
9	1		\$87.00	1		\$115.41	\$122.06	\$128.72	\$135.38	
10	1.5			1.5		\$230.81	\$244.13	\$257.44	\$270.75	
11	2			2		\$369.30	\$390.60	\$411.90	\$433.20	
12	3			3		\$692.44	\$732.38	\$772.31	\$812.25	
13	4			4		\$1,154.06	\$1,220.63	\$1,287.19	\$1,353.75	
14	6			6		\$2,308.13	\$2,441.25	\$2,574.38	\$2,707.50	
15	8			8		\$3,693.00	\$3,906.00	\$4,119.00	\$4,332.00	
16	10			10		\$5,308.69	\$5,614.88	\$5,921.06	\$6,227.25	
17	12			12		\$9,924.94	\$10,497.38	\$11,069.81	\$11,642.25	
18										
19	Gallorage Charge			Gallorage Charge						
20	Tier	Volume	Charge per 1000 gals.	Tier	Volume	Charge per 1000 gals.				
21	Tier 1	over 0 gals.	\$3.00	Tier 1	0 to 2,000 gals	\$4.06	\$5.13	\$6.19	\$7.25	
22	Tier 2			Tier 2	2,001 to 10,000 gals	\$4.48	\$5.97	\$7.45	\$8.93	
23	Tier 3			Tier 3	10,001 to 20,000 gals	\$4.78	\$6.56	\$8.34	\$10.12	
24	Tier 4			Tier 4	over 20,000 gals	\$4.95	\$6.89	\$8.84	\$10.78	

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.d Proposed Rates (Dal-High)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)			
1	Dal-High															
2	WATER															
3	Current Rates				Proposed Rates				Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8
4	monthly base rate including 2,000 gallons				monthly base rate including 0 gallons											
5	meter size				meter size											
6	5/8		\$16.00	5/8		\$20.77	\$25.54	\$30.31	\$35.08	\$39.84	\$44.61	\$49.38	\$54.15			
7	5/8 x 3/4			5/8 x 3/4		\$20.77	\$25.54	\$30.31	\$35.08	\$39.84	\$44.61	\$49.38	\$54.15			
8	3/4		\$16.00	3/4		\$31.15	\$38.31	\$45.46	\$52.61	\$59.77	\$66.92	\$74.07	\$81.23			
9	1			1		\$51.92	\$63.84	\$75.77	\$87.69	\$99.61	\$111.53	\$123.45	\$135.38			
10	1.5			1.5		\$103.84	\$127.69	\$151.53	\$175.38	\$199.22	\$223.06	\$246.91	\$270.75			
11	2			2		\$166.15	\$204.30	\$242.45	\$280.60	\$318.75	\$356.90	\$395.05	\$433.20			
12	3			3		\$311.53	\$383.06	\$454.59	\$526.13	\$597.66	\$669.19	\$740.72	\$812.25			
13	4			4		\$519.22	\$638.44	\$757.66	\$876.88	\$996.09	\$1,115.31	\$1,234.53	\$1,353.75			
14	6			6		\$1,038.44	\$1,276.88	\$1,515.31	\$1,753.75	\$1,992.19	\$2,230.63	\$2,469.06	\$2,707.50			
15	8			8		\$1,661.50	\$2,043.00	\$2,424.50	\$2,806.00	\$3,187.50	\$3,569.00	\$3,950.50	\$4,332.00			
16	10			10		\$2,388.41	\$2,936.81	\$3,485.22	\$4,033.63	\$4,582.03	\$5,130.44	\$5,678.84	\$6,227.25			
17	12			12		\$4,465.28	\$5,490.56	\$6,515.84	\$7,541.13	\$8,566.41	\$9,591.69	\$10,616.97	\$11,642.25			
18																
19	Gallorage Charge				Gallorage Charge											
20	Tier	Volume	Charge per 1000 gals.	Tier	Volume	Charge per 1000 gals.										
21	Tier 1	over 2,000 gals	\$1.50	Tier 1	0 to 2,000 gals	\$0.91	\$1.81	\$2.72	\$3.63	\$4.53	\$5.44	\$6.34	\$7.25			
22	Tier 2			Tier 2	2,001 to 10,000 gals	\$2.43	\$3.36	\$4.29	\$5.22	\$6.14	\$7.07	\$8.00	\$8.93			
23	Tier 3			Tier 3	10,001 to 20,000 gals	\$2.58	\$3.66	\$4.73	\$5.81	\$6.89	\$7.97	\$9.04	\$10.12			
24	Tier 4			Tier 4	over 20,000 gals	\$2.66	\$3.82	\$4.98	\$6.14	\$7.30	\$8.46	\$9.62	\$10.78			

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.e Proposed Rates (Ni America)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	Ni America						
2	WATER						
3	Current Rates			Proposed Rates		Phase 1	Phase 2
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons			
5	meter size			meter size			
6	5/8		\$60.00	5/8		\$57.08	\$54.15
7	5/8 x 3/4			5/8 x 3/4		\$57.08	\$54.15
8	3/4		\$60.00	3/4		\$85.61	\$81.23
9	1		\$159.23	1		\$142.69	\$135.38
10	1.5		\$318.45	1.5		\$285.38	\$270.75
11	2		\$509.52	2		\$456.60	\$433.20
12	3		\$955.35	3		\$856.13	\$812.25
13	4			4		\$1,426.88	\$1,353.75
14	6			6		\$2,853.75	\$2,707.50
15	8			8		\$4,566.00	\$4,332.00
16	10			10		\$6,563.63	\$6,227.25
17	12			12		\$12,271.13	\$11,642.25
18							
19	Gallonage Charge			Gallonage Charge			
20	Tier	Volume	Charge per 1000 gals.	Tier	Volume		Charge per 1000 gals.
21	Tier 1	0 to 10,000 gals	\$4.00	Tier 1	0 to 2,000 gals	\$5.63	\$7.25
22	Tier 2	over 10,000 gals	\$7.50	Tier 2	2,001 to 10,000 gals	\$6.47	\$8.93
23	Tier 3			Tier 3	10,001 to 20,000 gals	\$8.81	\$10.12
24	Tier 4			Tier 4	over 20,000 gals	\$9.14	\$10.78

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.f Proposed Rates (Inverness)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)
1	Inverness					
2	WATER					
3	Current Rates			Proposed Rates - Phase 1		
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons		
5	meter size			meter size		
6	5/8			5/8		\$54.15
7	5/8 x 3/4		\$100.00	5/8 x 3/4		\$54.15
8	3/4		\$150.00	3/4		\$81.23
9	1		\$250.00	1		\$135.38
10	1.5		\$500.00	1.5		\$270.75
11	2		\$800.00	2		\$433.20
12	3		\$1,500.00	3		\$812.25
13	4		\$2,500.00	4		\$1,353.75
14	6		\$5,000.00	6		\$2,707.50
15	8			8		\$4,332.00
16	10			10		\$6,227.25
17	12			12		\$11,642.25
18						
19	Gallonage Charge			Gallonage Charge		
20	Tier	Volume	Charge per 1000 gals.	Tier	Volume	Charge per 1000 gals.
21	Tier 1	0 to 12,000 gals	\$5.50	Tier 1	0 to 2,000 gals	\$7.25
22	Tier 2	12,001 to 22,000 gals	\$7.50	Tier 2	2,001 to 10,000 gals	\$8.93
23	Tier 3	over 22,000 gals	\$9.50	Tier 3	10,001 to 20,000 gals	\$10.12
24	Tier 4			Tier 4	over 20,000 gals	\$10.78

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.g Proposed Rates (SW Utility)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	SW Utilities (Western Trails)										
2	WATER										
3	Current Rates			Proposed Rates		Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons							
5	meter size			meter size							
6	5/8		\$24.62	5/8	\$29.54	\$34.46	\$39.39	\$44.31	\$49.23	\$54.15	
7	5/8 x 3/4			5/8 x 3/4	\$29.54	\$34.46	\$39.39	\$44.31	\$49.23	\$54.15	
8	3/4		\$24.62	3/4	\$44.31	\$51.70	\$59.08	\$66.46	\$73.84	\$81.23	
9	1		\$61.55	1	\$73.85	\$86.16	\$98.46	\$110.77	\$123.07	\$135.38	
10	1 5		\$123.10	1 5	\$147.71	\$172.32	\$196.93	\$221.53	\$246.14	\$270.75	
11	2		\$196.96	2	\$236.33	\$275.71	\$315.08	\$354.45	\$393.83	\$433.20	
12	3		\$369.30	3	\$443.13	\$516.95	\$590.78	\$664.60	\$738.43	\$812.25	
13	4			4	\$738.54	\$861.58	\$984.63	\$1,107.67	\$1,230.71	\$1,353.75	
14	6			6	\$1,477.08	\$1,723.17	\$1,969.25	\$2,215.33	\$2,461.42	\$2,707.50	
15	8			8	\$2,363.33	\$2,757.07	\$3,150.80	\$3,544.53	\$3,938.27	\$4,332.00	
16	10			10	\$3,397.29	\$3,963.28	\$4,529.28	\$5,095.27	\$5,661.26	\$6,227.25	
17	12			12	\$6,351.46	\$7,409.62	\$8,467.78	\$9,525.93	\$10,584.09	\$11,642.25	
18											
19	Gallonge Charge			Gallonge Charge		Charge per 1000 gals.					
20	Tier	Volume	Charge per 1000 gals	Tier	Volume						
21	Tier 1	all gals	\$2.86	Tier 1	0 to 2,000 gals	\$3.59	\$4.32	\$5.06	\$5.79	\$6.52	\$7.25
22	Tier 2			Tier 2	2,001 to 10,000 gals	\$3.87	\$4.88	\$5.90	\$6.91	\$7.92	\$8.93
23	Tier 3			Tier 3	10,001 to 20,000 gals	\$4.07	\$5.28	\$6.49	\$7.70	\$8.91	\$10.12
24	Tier 4			Tier 4	over 20,000 gals	\$4.18	\$5.50	\$6.82	\$8.14	\$9.46	\$10.78

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.h Proposed Rates (Water Services)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)		
1	WSI													
2	WATER													
3				Phases 1 & 2 per Docket No. 47736 eff 9/24/2020 & 9/24/2021			Proposed Rates			Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
4	monthly base rate including 0 gallons						monthly base rate including 0 gallons							
5	meter size						meter size							
6	5/8		\$50.70	\$54.12	\$57.54	5/8					\$56.41	\$55.28	\$54.15	
7	5/8 x 3/4					5/8 x 3/4					\$56.41	\$55.28	\$54.15	
8	3/4		\$76.05	\$81.18	\$86.32	3/4					\$84.62	\$82.92	\$81.23	
9	1		\$126.75	\$135.30	\$143.86	1					\$141.03	\$138.20	\$135.38	
10	1.5		\$253.50	\$270.60	\$287.72	1.5					\$282.05	\$276.40	\$270.75	
11	2		\$405.60	\$432.96	\$460.35	2					\$451.28	\$442.24	\$433.20	
12	3		\$760.50	\$811.80	\$863.15	3					\$846.15	\$829.20	\$812.25	
13	4		\$1,267.50	\$1,353.00	\$1,438.58	4					\$1,410.25	\$1,382.00	\$1,353.75	
14	6		\$2,535.00	\$2,706.00	\$2,877.16	6					\$2,820.50	\$2,764.00	\$2,707.50	
15	8		\$4,056.00	\$4,329.60	\$4,603.45	8					\$4,512.80	\$4,422.40	\$4,332.00	
16	10					10					\$6,487.15	\$6,357.20	\$6,227.25	
17	12					12					\$12,128.15	\$11,885.20	\$11,642.25	
18														
19	Gallage Charge						Gallage Charge							
20	Tier	Volume	Charge per 1000 gals.			Tier	Volume	Charge per 1000 gals.						
21	Tier 1	0 to 2,000 gals	\$3.10	\$3.31	\$3.51	Tier 1	0 to 2,000 gals				\$4.76	\$6.00	\$7.25	
22	Tier 2	2,001 to 10,000 gals	\$4.52	\$4.82	\$5.13	Tier 2	2,001 to 10,000 gals				\$6.40	\$7.66	\$8.93	
23	Tier 3	10,001 to 20,000 gals	\$6.20	\$6.62	\$7.03	Tier 3	10,001 to 20,000 gals				\$8.06	\$9.09	\$10.12	
24	Tier 4	over 20,000 gals	\$9.90	\$10.57	\$11.24	Tier 4	over 20,000 gals				\$11.09	\$10.93	\$10.78	

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.i Proposed Rates (Huntington)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	
1	HUNTINGTON									
2	WATER									
3	Current Rates			Proposed Rates			Phase 1	Phase 2	Phase 3	Phase 4
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons						
5	meter size			meter size						
6	5/8		\$44.45	5/8		\$46.88	\$49.30	\$51.73	\$54.15	
7	5/8 x 3/4			5/8 x 3/4		\$46.88	\$49.30	\$51.73	\$54.15	
8	3/4		\$66.68	3/4		\$70.31	\$73.95	\$77.59	\$81.23	
9	1		\$111.13	1		\$117.19	\$123.25	\$129.31	\$135.38	
10	1.5		\$222.25	1.5		\$234.38	\$246.50	\$258.63	\$270.75	
11	2		\$355.60	2		\$375.00	\$394.40	\$413.80	\$433.20	
12	3		\$666.75	3		\$703.13	\$739.50	\$775.88	\$812.25	
13	4		\$1,111.25	4		\$1,171.88	\$1,232.50	\$1,293.13	\$1,353.75	
14	6		\$2,222.50	6		\$2,343.75	\$2,465.00	\$2,586.25	\$2,707.50	
15	8		\$3,556.00	8		\$3,750.00	\$3,944.00	\$4,138.00	\$4,332.00	
16	10			10		\$5,390.63	\$5,669.50	\$5,948.38	\$6,227.25	
17	12			12		\$10,078.13	\$10,599.50	\$11,120.88	\$11,642.25	
18										
19	Gallorage Charge			Gallorage Charge						
20	Tier	Volume	Charge per 1000 gals	Tier	Volume	Charge per 1000 gals				
21	Tier 1	0 to 2,000 gals	\$3.15	Tier 1	0 to 2,000 gals	\$4.18	\$5.20	\$6.23	\$7.25	
22	Tier 2	2,001 to 10,000 gals	\$4.60	Tier 2	2,001 to 10,000 gals	\$5.68	\$6.77	\$7.85	\$8.93	
23	Tier 3	10,001 to 20,000 gals	\$6.30	Tier 3	10,001 to 20,000 gals	\$7.26	\$8.21	\$9.17	\$10.12	
24	Tier 4	over 20,000 gals	\$10.07	Tier 4	over 20,000 gals	\$10.25	\$10.43	\$10.60	\$10.78	

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.j Proposed Rates (Diamond)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	DIAMOND									
2	WATER									
3	Current Rates		Phases 1 & 2 per Docket No. 47736 eff 9/24/2020 & 9/24/2021			Proposed Rates		Phase 1	Phase 2	Phase 3
4	monthly base rate including 0 gallons					monthly base rate including 0 gallons				
5	meter size					meter size				
6	5/8	\$74.44	\$82.88	\$91.31	5/8	see columns (d) and (e)				
7	5/8 x 3/4				5/8 x 3/4					
8	3/4	\$111.66	\$124.32	\$136.97	3/4					
9	1	\$186.10	\$207.20	\$228.28	1					
10	1.5	\$372.20	\$414.40	\$456.55	1.5					
11	2	\$595.52	\$663.04	\$730.48	2					
12	3	\$1,116.60	\$1,243.20	\$1,369.65	3					
13	4	\$1,861.00	\$2,072.00	\$2,282.75	4					
14	6	\$3,722.00	\$4,144.00	\$4,565.50	6					
15	8	\$5,955.00	\$6,630.40	\$7,304.80	8					
16	10				10					
17	12				12					
18										
19	Gallonage Charge					Gallonage Charge				
20	Tier	Volume	Charge per 1000 gals.			Tier	Volume	Charge per 1000 gals.		
21	Tier 1	0 to 2,000 gals	\$4.52	\$5.03	\$5.53	Tier 1	0 to 2,000 gals			\$7.25
22	Tier 2	2,001 to 10,000 gals	\$7.51	\$8.35	\$9.19	Tier 2	2,001 to 10,000 gals			\$8.93
23	Tier 3	10,001 to 20,000 gals	\$9.04	\$10.05	\$11.06	Tier 3	10,001 to 20,000 gals			\$10.12
24	Tier 4	over 20,000 gals	\$12.08	\$13.43	\$14.78	Tier 4	over 20,000 gals			\$10.78

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/III.10.k Proposed Rates (Wiedenfeld)

Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
1	WIEDENFELD										
2	WATER										
3	Current Rates			Proposed Rates			Phase 1	Phase 2	Phase 3	Phase 4	Phase 5
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons							
5	meter size			meter size							
6	5/8		\$31.37	5/8		\$35.93	\$40.48	\$45.04	\$49.59	\$54.15	
7	5/8 x 3/4			5/8 x 3/4		\$35.93	\$40.48	\$45.04	\$49.59	\$54.15	
8	3/4		\$47.06	3/4		\$53.89	\$60.72	\$67.56	\$74.39	\$81.23	
9	1		\$78.43	1		\$89.82	\$101.21	\$112.60	\$123.99	\$135.38	
10	1.5		\$156.85	1.5		\$179.63	\$202.41	\$225.19	\$247.97	\$270.75	
11	2		\$250.96	2		\$287.41	\$323.86	\$360.30	\$396.75	\$433.20	
12	3		\$470.55	3		\$538.89	\$607.23	\$675.57	\$743.91	\$812.25	
13	4		\$784.25	4		\$898.15	\$1,012.05	\$1,125.95	\$1,239.85	\$1,353.75	
14	6		\$1,568.50	6		\$1,796.30	\$2,024.10	\$2,251.90	\$2,479.70	\$2,707.50	
15	8		\$2,509.60	8		\$2,874.08	\$3,238.56	\$3,603.04	\$3,967.52	\$4,332.00	
16	10			10		\$4,131.49	\$4,655.43	\$5,179.37	\$5,703.31	\$6,227.25	
17	12			12		\$7,724.09	\$8,703.63	\$9,683.17	\$10,662.71	\$11,642.25	
18											
19	Gallonage Charge			Gallonage Charge							
20	Tier	Volume	Charge per 1000 gals	Tier	Volume	Charge per 1000 gals					
21	Tier 1	0 to 2,000 gals	\$3.14	Tier 1	0 to 2,000 gals	\$3.96	\$4.78	\$5.61	\$6.43	\$7.25	
22	Tier 2	2,001 to 10,000 gals	\$3.81	Tier 2	2,001 to 10,000 gals	\$4.83	\$5.86	\$6.88	\$7.91	\$8.93	
23	Tier 3	10,001 to 20,000 gals	\$4.26	Tier 3	10,001 to 20,000 gals	\$5.43	\$6.60	\$7.78	\$8.95	\$10.12	
24	Tier 4	over 20,000 gals	\$4.66	Tier 4	over 20,000 gals	\$5.88	\$7.11	\$8.33	\$9.56	\$10.78	

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/III.10.1 Proposed Rates (Westwood)
Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)			
1	WESTWOOD																
2	WATER																
3	Current Rates			Phase 1 per Docket No. 47736 eff 9/24/2020			Proposed Rates			Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6	Phase 7	Phase 8
4	monthly base rate including 0 gallons			monthly base rate including 0 gallons			monthly base rate including 0 gallons										
5	meter size			meter size			meter size										
6	5/8		\$33.14		\$33.71	5/8	see column (d)	\$37.21	\$40.62	\$44.03	\$47.43	\$50.84	\$54.25	\$54.15			
7	5/8 x 3/4					5/8 x 3/4		\$37.21	\$40.62	\$44.03	\$47.43	\$50.84	\$54.25	\$54.15			
8	3/4		\$49.71		\$50.57	3/4		\$55.82	\$60.93	\$66.04	\$71.15	\$76.26	\$81.37	\$81.23			
9	1		\$82.85		\$84.28	1		\$93.03	\$101.55	\$110.06	\$118.58	\$127.10	\$135.61	\$135.38			
10	1 1/2		\$165.70		\$168.55	1 1/2		\$186.06	\$203.09	\$220.13	\$237.16	\$254.19	\$271.23	\$270.75			
11	2		\$265.12		\$269.68	2		\$297.69	\$324.95	\$352.20	\$379.45	\$406.71	\$433.96	\$433.20			
12	3		\$497.10		\$505.65	3		\$558.18	\$609.28	\$660.38	\$711.48	\$762.58	\$813.68	\$812.25			
13	4		\$828.50		\$842.75	4		\$930.29	\$1,015.46	\$1,100.63	\$1,185.79	\$1,270.96	\$1,356.13	\$1,353.75			
14	6		\$1,657.00		\$1,685.60	6		\$1,860.58	\$2,030.92	\$2,201.25	\$2,371.58	\$2,541.92	\$2,712.25	\$2,707.50			
15	8		\$2,651.20		\$2,696.80	8		\$2,976.93	\$3,249.47	\$3,522.00	\$3,794.53	\$4,067.07	\$4,339.60	\$4,332.00			
16	10					10		\$4,279.34	\$4,671.11	\$5,062.88	\$5,454.64	\$5,846.41	\$6,238.18	\$6,227.25			
17	12					12		\$8,000.51	\$8,732.94	\$9,465.38	\$10,197.81	\$10,930.24	\$11,662.68	\$11,642.25			
19	Gallonge Charge			Gallonge Charge			Charge per 1000 gals.										
20	Tier	Volume	Charge per 1000 gals	Tier	Volume	Charge per 1000 gals											
21	Tier 1	0 to 2,000 gals	\$1.19	Tier 1	0 to 2,000 gals	\$1.21	\$2.22	\$3.22	\$4.23	\$5.24	\$6.24	\$7.25	\$7.25				
22	Tier 2	2,001 to 10,000 gals	\$1.73	Tier 2	2,001 to 10,000 gals	\$1.76	\$2.96	\$4.15	\$5.35	\$6.54	\$7.74	\$8.93	\$8.93				
23	Tier 3	10,001 to 20,000 gals	\$2.37	Tier 3	10,001 to 20,000 gals	\$2.41	\$3.70	\$4.98	\$6.27	\$7.55	\$8.84	\$10.12	\$10.12				
24	Tier 4	over 20,000 gals	\$3.79	Tier 4	over 20,000 gals	\$3.81	\$4.97	\$6.13	\$7.30	\$8.46	\$9.62	\$10.78	\$10.78				

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.11.a Water Summary
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
CURRENT Base Rates													
1		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
2													
3	gallons included in base rate	0	2000	0	2000	0	0	0	0	0	0	0	0
4	<u>meter size</u>												
5	5/8	\$49.30	\$8.24	\$43.50	\$16.00	\$60.00	\$100.00	\$24.62	\$50.70	\$44.45	\$74.44	\$31.37	\$33.14
6	5/8 x 3/4	\$0.00	\$8.24	\$0.00	\$0.00	\$0.00	\$100.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	3/4	\$73.95	\$8.24	\$0.00	\$16.00	\$60.00	\$150.00	\$24.62	\$76.05	\$66.68	\$111.66	\$47.06	\$49.71
8	1	\$123.25	\$8.24	\$87.00	\$0.00	\$159.23	\$250.00	\$61.55	\$126.75	\$111.13	\$186.10	\$78.43	\$82.85
9	1 5	\$246.49	\$8.24	\$0.00	\$0.00	\$318.45	\$500.00	\$123.10	\$253.50	\$222.25	\$372.20	\$156.85	\$165.70
10	2	\$394.38	\$8.24	\$0.00	\$0.00	\$509.52	\$800.00	\$196.96	\$405.60	\$355.60	\$595.52	\$250.96	\$265.12
11	3	\$739.47	\$8.24	\$0.00	\$0.00	\$955.35	\$1,500.00	\$369.30	\$760.50	\$666.75	\$1,116.60	\$470.55	\$497.10
12	4	\$1,232.44	\$8.24	\$0.00	\$0.00	\$0.00	\$2,500.00	\$0.00	\$1,267.50	\$1,111.25	\$1,861.00	\$784.25	\$828.50
13	6	\$2,464.89	\$8.24	\$0.00	\$0.00	\$0.00	\$5,000.00	\$0.00	\$2,535.00	\$2,222.50	\$3,722.00	\$1,568.50	\$1,657.00
14	8	\$3,943.82	\$8.24	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,056.00	\$3,556.00	\$5,955.00	\$2,509.60	\$2,651.20
15	10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16	12	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17													
18													
PHASE 1 Base Rates													
19		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
20													
21	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
22	<u>meter size</u>												
23	5/8	\$54.15	\$13.98	\$46.16	\$20.77	\$57.08	\$54.15	\$29.54		\$46.88		\$35.93	
24	5/8 x 3/4	\$54.15	\$13.98	\$46.16	\$20.77	\$57.08	\$54.15	\$29.54		\$46.88		\$35.93	
25	3/4	\$81.23	\$20.97	\$69.24	\$31.15	\$85.61	\$81.23	\$44.31		\$70.31		\$53.89	
26	1	\$135.38	\$34.95	\$115.41	\$51.92	\$142.69	\$135.38	\$73.85		\$117.19		\$89.82	
27	1 5	\$270.75	\$69.89	\$230.81	\$103.84	\$285.38	\$270.75	\$147.71		\$234.38		\$179.63	
28	2	\$433.20	\$111.83	\$369.30	\$166.15	\$456.60	\$433.20	\$236.33		\$375.00		\$287.41	
29	3	\$812.25	\$209.68	\$692.44	\$311.53	\$856.13	\$812.25	\$443.13		\$703.13		\$538.89	
30	4	\$1,353.75	\$349.47	\$1,154.06	\$519.22	\$1,426.88	\$1,353.75	\$738.54		\$1,171.88		\$898.15	
31	6	\$2,707.50	\$698.94	\$2,308.13	\$1,038.44	\$2,853.75	\$2,707.50	\$1,477.08		\$2,343.75		\$1,796.30	
32	8	\$4,332.00	\$1,118.30	\$3,693.00	\$1,661.50	\$4,566.00	\$4,332.00	\$2,363.33		\$3,750.00		\$2,874.08	
33	10	\$6,227.25	\$1,607.56	\$5,308.69	\$2,388.41	\$6,563.63	\$6,227.25	\$3,397.29		\$5,390.63		\$4,131.49	
34	12	\$11,642.25	\$3,005.43	\$9,924.94	\$4,465.28	\$12,271.13	\$11,642.25	\$6,351.46		\$10,078.13		\$7,724.09	
35													

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 Docket No. 50944
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 WP/III.11.a Water Summary
 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
36													
37	PHASE 2 Base Rates												
38		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
39	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
40	<u>meter size</u>												
41	5/8	\$54.15	\$19.72	\$48.83	\$25.54	\$54.15	\$54.15	\$34.46		\$49.30		\$40.48	\$37.21
42	5/8 x 3/4	\$54.15	\$19.72	\$48.83	\$25.54	\$54.15	\$54.15	\$34.46		\$49.30		\$40.48	\$37.21
43	3/4	\$81.23	\$29.58	\$73.24	\$38.31	\$81.23	\$81.23	\$51.70		\$73.95		\$60.72	\$55.82
44	1	\$135.38	\$49.29	\$122.06	\$63.84	\$135.38	\$135.38	\$86.16		\$123.25		\$101.21	\$93.03
45	1.5	\$270.75	\$98.59	\$244.13	\$127.69	\$270.75	\$270.75	\$172.32		\$246.50		\$202.41	\$186.06
46	2	\$433.20	\$157.74	\$390.60	\$204.30	\$433.20	\$433.20	\$275.71		\$394.40		\$323.86	\$297.69
47	3	\$812.25	\$295.76	\$732.38	\$383.06	\$812.25	\$812.25	\$516.95		\$739.50		\$607.23	\$558.18
48	4	\$1,353.75	\$492.94	\$1,220.63	\$638.44	\$1,353.75	\$1,353.75	\$861.58		\$1,232.50		\$1,012.05	\$930.29
49	6	\$2,707.50	\$985.88	\$2,441.25	\$1,276.88	\$2,707.50	\$2,707.50	\$1,723.17		\$2,465.00		\$2,024.10	\$1,860.58
50	8	\$4,332.00	\$1,577.40	\$3,906.00	\$2,043.00	\$4,332.00	\$4,332.00	\$2,757.07		\$3,944.00		\$3,238.56	\$2,976.93
51	10	\$6,227.25	\$2,267.51	\$5,614.88	\$2,936.81	\$6,227.25	\$6,227.25	\$3,963.28		\$5,669.50		\$4,655.43	\$4,279.34
52	12	\$11,642.25	\$4,239.26	\$10,497.38	\$5,490.56	\$11,642.25	\$11,642.25	\$7,409.62		\$10,599.50		\$8,703.63	\$8,000.51
53													
54													
55	PHASE 3 Base Rates												
56		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
57	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
58	<u>meter size</u>												
59	5/8	\$54.15	\$25.46	\$51.49	\$30.31	\$54.15	\$54.15	\$39.39	\$56.41	\$51.73	\$54.15	\$45.04	\$40.62
60	5/8 x 3/4	\$54.15	\$25.46	\$51.49	\$30.31	\$54.15	\$54.15	\$39.39	\$56.41	\$51.73	\$54.15	\$45.04	\$40.62
61	3/4	\$81.23	\$38.18	\$77.23	\$45.46	\$81.23	\$81.23	\$59.08	\$84.62	\$77.59	\$81.23	\$67.56	\$60.93
62	1	\$135.38	\$63.64	\$128.72	\$75.77	\$135.38	\$135.38	\$98.46	\$141.03	\$129.31	\$135.38	\$112.60	\$101.55
63	1.5	\$270.75	\$127.28	\$257.44	\$151.53	\$270.75	\$270.75	\$196.93	\$282.05	\$258.63	\$270.75	\$225.19	\$203.09
64	2	\$433.20	\$203.65	\$411.90	\$242.45	\$433.20	\$433.20	\$315.08	\$451.28	\$413.80	\$433.20	\$360.30	\$324.95
65	3	\$812.25	\$381.84	\$772.31	\$454.59	\$812.25	\$812.25	\$590.78	\$846.15	\$775.88	\$812.25	\$675.57	\$609.28
66	4	\$1,353.75	\$636.41	\$1,287.19	\$757.66	\$1,353.75	\$1,353.75	\$984.63	\$1,410.25	\$1,293.13	\$1,353.75	\$1,125.95	\$1,015.46
67	6	\$2,707.50	\$1,272.81	\$2,574.38	\$1,515.31	\$2,707.50	\$2,707.50	\$1,969.25	\$2,820.50	\$2,586.25	\$2,707.50	\$2,251.90	\$2,030.92
68	8	\$4,332.00	\$2,036.50	\$4,119.00	\$2,424.50	\$4,332.00	\$4,332.00	\$3,150.80	\$4,512.80	\$4,138.00	\$4,332.00	\$3,603.04	\$3,249.47
69	10	\$6,227.25	\$2,927.47	\$5,921.06	\$3,485.22	\$6,227.25	\$6,227.25	\$4,529.28	\$6,487.15	\$5,948.38	\$6,227.25	\$5,179.37	\$4,671.11
70	12	\$11,642.25	\$5,473.09	\$11,069.81	\$6,515.84	\$11,642.25	\$11,642.25	\$8,467.78	\$12,128.15	\$11,120.88	\$11,642.25	\$9,683.17	\$8,732.94
71													

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 Witness: George Freitag

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
72													
73	PHASE 4 Base Rates												
74		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
75	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
76	<u>meter size</u>												
77	5/8	\$54.15	\$31.20	\$54.15	\$35.08	\$54.15	\$54.15	\$44.31	\$55.28	\$54.15	\$54.15	\$49.59	\$44.03
78	5/8 x 3/4	\$54.15	\$31.20	\$54.15	\$35.08	\$54.15	\$54.15	\$44.31	\$55.28	\$54.15	\$54.15	\$49.59	\$44.03
79	3/4	\$81.23	\$46.79	\$81.23	\$52.61	\$81.23	\$81.23	\$66.46	\$82.92	\$81.23	\$81.23	\$74.39	\$66.04
80	1	\$135.38	\$77.99	\$135.38	\$87.69	\$135.38	\$135.38	\$110.77	\$138.20	\$135.38	\$135.38	\$123.99	\$110.06
81	1.5	\$270.75	\$155.98	\$270.75	\$175.38	\$270.75	\$270.75	\$221.53	\$276.40	\$270.75	\$270.75	\$247.97	\$220.13
82	2	\$433.20	\$249.56	\$433.20	\$280.60	\$433.20	\$433.20	\$354.45	\$442.24	\$433.20	\$433.20	\$396.75	\$352.20
83	3	\$812.25	\$467.93	\$812.25	\$526.13	\$812.25	\$812.25	\$664.60	\$829.20	\$812.25	\$812.25	\$743.91	\$660.38
84	4	\$1,353.75	\$779.88	\$1,353.75	\$876.88	\$1,353.75	\$1,353.75	\$1,107.67	\$1,382.00	\$1,353.75	\$1,353.75	\$1,239.85	\$1,100.63
85	6	\$2,707.50	\$1,559.75	\$2,707.50	\$1,753.75	\$2,707.50	\$2,707.50	\$2,215.33	\$2,764.00	\$2,707.50	\$2,707.50	\$2,479.70	\$2,201.25
86	8	\$4,332.00	\$2,495.60	\$4,332.00	\$2,806.00	\$4,332.00	\$4,332.00	\$3,544.53	\$4,422.40	\$4,332.00	\$4,332.00	\$3,967.52	\$3,522.00
87	10	\$6,227.25	\$3,587.43	\$6,227.25	\$4,033.63	\$6,227.25	\$6,227.25	\$5,095.27	\$6,357.20	\$6,227.25	\$6,227.25	\$5,703.31	\$5,062.88
88	12	\$11,642.25	\$6,706.93	\$11,642.25	\$7,541.13	\$11,642.25	\$11,642.25	\$9,525.93	\$11,885.20	\$11,642.25	\$11,642.25	\$10,662.71	\$9,465.38
89													
90													
91	PHASE 5 Base Rates												
92		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
93	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
94	<u>meter size</u>												
95	5/8	\$54.15	\$36.93	\$54.15	\$39.84	\$54.15	\$54.15	\$49.23	\$54.15	\$54.15	\$54.15	\$54.15	\$47.43
96	5/8 x 3/4	\$54.15	\$36.93	\$54.15	\$39.84	\$54.15	\$54.15	\$49.23	\$54.15	\$54.15	\$54.15	\$54.15	\$47.43
97	3/4	\$81.23	\$55.40	\$81.23	\$59.77	\$81.23	\$81.23	\$73.84	\$81.23	\$81.23	\$81.23	\$81.23	\$71.15
98	1	\$135.38	\$92.33	\$135.38	\$99.61	\$135.38	\$135.38	\$123.07	\$135.38	\$135.38	\$135.38	\$135.38	\$118.58
99	1.5	\$270.75	\$184.67	\$270.75	\$199.22	\$270.75	\$270.75	\$246.14	\$270.75	\$270.75	\$270.75	\$270.75	\$237.16
100	2	\$433.20	\$295.47	\$433.20	\$318.75	\$433.20	\$433.20	\$393.83	\$433.20	\$433.20	\$433.20	\$433.20	\$379.45
101	3	\$812.25	\$554.01	\$812.25	\$597.66	\$812.25	\$812.25	\$738.43	\$812.25	\$812.25	\$812.25	\$812.25	\$711.48
102	4	\$1,353.75	\$923.34	\$1,353.75	\$996.09	\$1,353.75	\$1,353.75	\$1,230.71	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,185.79
103	6	\$2,707.50	\$1,846.69	\$2,707.50	\$1,992.19	\$2,707.50	\$2,707.50	\$2,461.42	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,371.58
104	8	\$4,332.00	\$2,954.70	\$4,332.00	\$3,187.50	\$4,332.00	\$4,332.00	\$3,938.27	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$3,794.53
105	10	\$6,227.25	\$4,247.38	\$6,227.25	\$4,582.03	\$6,227.25	\$6,227.25	\$5,661.26	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$5,454.64
106	12	\$11,642.25	\$7,940.76	\$11,642.25	\$8,566.41	\$11,642.25	\$11,642.25	\$10,584.09	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$10,197.81
107													

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Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
108													
109	PHASE 6 Base Rates												
110		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
111	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
112	<u>meter size</u>												
113	5/8	\$54.15	\$42.67	\$54.15	\$44.61	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$50.84
114	5/8 x 3/4	\$54.15	\$42.67	\$54.15	\$44.61	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$50.84
115	3/4	\$81.23	\$64.01	\$81.23	\$66.92	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$76.26
116	1	\$135.38	\$106.68	\$135.38	\$111.53	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$127.10
117	1 5	\$270.75	\$213.36	\$270.75	\$223.06	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$254.19
118	2	\$433.20	\$341.38	\$433.20	\$356.90	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$406.71
119	3	\$812.25	\$640.09	\$812.25	\$669.19	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$762.58
120	4	\$1,353.75	\$1,066.81	\$1,353.75	\$1,115.31	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,270.96
121	6	\$2,707.50	\$2,133.63	\$2,707.50	\$2,230.63	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,541.92
122	8	\$4,332.00	\$3,413.80	\$4,332.00	\$3,569.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,067.07
123	10	\$6,227.25	\$4,907.34	\$6,227.25	\$5,130.44	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$5,846.41
124	12	\$11,642.25	\$9,174.59	\$11,642.25	\$9,591.69	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$10,930.24
125													
126													
127	PHASE 7 Base Rates												
128		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
129	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
130	<u>meter size</u>												
131	5/8	\$54.15	\$48.41	\$54.15	\$49.38	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.25
132	5/8 x 3/4	\$54.15	\$48.41	\$54.15	\$49.38	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.25
133	3/4	\$81.23	\$72.62	\$81.23	\$74.07	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.37
134	1	\$135.38	\$121.03	\$135.38	\$123.45	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.61
135	1.5	\$270.75	\$242.06	\$270.75	\$246.91	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$271.23
136	2	\$433.20	\$387.29	\$433.20	\$395.05	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.96
137	3	\$812.25	\$726.17	\$812.25	\$740.72	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$813.68
138	4	\$1,353.75	\$1,210.28	\$1,353.75	\$1,234.53	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,356.13
139	6	\$2,707.50	\$2,420.56	\$2,707.50	\$2,469.06	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,712.25
140	8	\$4,332.00	\$3,872.90	\$4,332.00	\$3,950.50	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,339.60
141	10	\$6,227.25	\$5,567.29	\$6,227.25	\$5,678.84	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,238.18
142	12	\$11,642.25	\$10,408.42	\$11,642.25	\$10,616.97	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,662.68
143													

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Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
144													
145	PHASE 8 Base Rates												
146		Monarch	Villas (residential)	Oak Terrace	Dal-High	Ni	Inverness	SWUC	WSI	Huntington	Diamond	Weidenfeld	Westwood
147	gallons included in base rate	0	0	0	0	0	0	0	0	0	0	0	0
148	<u>meter size</u>												
149	5/8	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15
150	5/8 x 3/4	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15	\$54.15
151	3/4	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23	\$81.23
152	1	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38	\$135.38
153	1.5	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75	\$270.75
154	2	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20	\$433.20
155	3	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25	\$812.25
156	4	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75	\$1,353.75
157	6	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50	\$2,707.50
158	8	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00	\$4,332.00
159	10	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25	\$6,227.25
160	12	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25	\$11,642.25

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.11.b Wastewater Summary
 Witness: George Freitag

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
1	CURRENT Base Rates				PHASE 1 Base Rates			
2		Monarch	Villas (residential)			Monarch	Villas (residential)	
3	gallons included in base rate	0	all		gallons included in base rate	0	0	
4	<u>meter size</u>				<u>meter size</u>			
5	5/8	\$75.26	\$10.00		5/8	\$80.29	\$18.79	
6	5/8 x 3/4		\$10.00		5/8 x 3/4	\$80.29	\$18.79	
7	3/4	\$112.90	\$10.00		3/4	\$120.44	\$28.18	
8	1	\$188.16	\$10.00		1	\$200.73	\$46.97	
9	1.5	\$376.31	\$10.00		1.5	\$401.45	\$93.93	
10	2	\$602.11	\$10.00		2	\$642.32	\$150.29	
11	3	\$1,128.95	\$10.00		3	\$1,204.35	\$281.79	
12	4	\$1,881.58	\$10.00		4	\$2,007.25	\$469.66	
13	6	\$3,763.18	\$10.00		6	\$4,014.50	\$939.31	
14	8	\$6,020.97	\$10.00		8	\$6,423.20	\$1,502.90	
15	10				10	\$9,233.35	\$2,160.42	
16	12				12	\$17,262.35	\$4,039.04	
17								
18	PHASES 2-8 Base Rates for Villas (residential) only							
19	<u>Phase</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
20	gallons included in base rate	0	0	0	0	0	0	0
21	<u>meter size</u>							
22	5/8	\$27.57	\$36.36	\$45.15	\$53.93	\$62.72	\$71.50	\$80.29
23	5/8 x 3/4	\$27.57	\$36.36	\$45.15	\$53.93	\$62.72	\$71.50	\$80.29
24	3/4	\$41.36	\$54.54	\$67.72	\$80.90	\$94.08	\$107.26	\$120.44
25	1	\$68.93	\$90.90	\$112.86	\$134.83	\$156.79	\$178.76	\$200.73
26	1.5	\$137.86	\$181.79	\$225.73	\$269.66	\$313.59	\$357.52	\$401.45
27	2	\$220.58	\$290.87	\$361.16	\$431.45	\$501.74	\$572.03	\$642.32
28	3	\$413.59	\$545.38	\$677.18	\$808.97	\$940.76	\$1,072.56	\$1,204.35
29	4	\$689.31	\$908.97	\$1,128.63	\$1,348.28	\$1,567.94	\$1,787.59	\$2,007.25
30	6	\$1,378.63	\$1,817.94	\$2,257.25	\$2,696.56	\$3,135.88	\$3,575.19	\$4,014.50
31	8	\$2,205.80	\$2,908.70	\$3,611.60	\$4,314.50	\$5,017.40	\$5,720.30	\$6,423.20
32	10	\$3,170.84	\$4,181.26	\$5,191.68	\$6,202.09	\$7,212.51	\$8,222.93	\$9,233.35
33	12	\$5,928.09	\$7,817.13	\$9,706.18	\$11,595.22	\$13,484.26	\$15,373.31	\$17,262.35

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/III.11.b Wastewater Summary
 Witness: George Freitag

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
34								
35	Wastewater Gallonage Rate (per 1,000 Gallons)							
36		Monarch	Villas (residential)					
37	Current	\$2.64	\$0.00					
38	Phase 1	\$2.80	\$0.35					
39	Phase 2	\$2.80	\$0.70					
40	Phase 3	\$2.80	\$1.05					
41	Phase 4	\$2.80	\$1.40					
42	Phase 5	\$2.80	\$1.75					
43	Phase 6	\$2.80	\$2.10					
44	Phase 7	\$2.80	\$2.45					
45	Phase 8	\$2.80	\$2.80					

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/IV-1 Affiliate Expenses by NARUC Account - Parent

Witness: Mujeeb Hafeez

Line No.	NARUC Account (a)	Description (b)	Reference Schedule (c)	Test Year Total (d)	1/1/2018-12/31/2018 (e)	1/1/2017-12/31/2017 (f)
1						
2	(a)	Salaries & Wages	IV-1	10,380,061	10,166,088	9,284,450
3	(a)	Other Employee Costs	IV-1	(887,150)	(715,731)	247,750
4	(a)	General & Administrative - Other	IV-1	2,877,974	2,448,353	1,401,919
5	(a)	Employee Benefits	IV-1	1,527,763	1,166,761	1,400,892
6	(a)	Professional Fees	IV-1	1,549,847	1,352,426	1,064,137
7	(a)	Payroll Taxes	IV-1	547,506	586,568	530,045
8	(a)	Travel & Entertainment	IV-1	340,246	271,585	272,382
9	(a)	Lease Expense	IV-1	318,750	335,036	354,115
10	(a)	Repairs & Maintenance	IV-1	240,291	216,259	232,861
11	(a)	Insurance Expense	IV-1	99,811	94,203	91,511
12	(a)	Taxes - Other	IV-1	84,332	106,966	121,304
13	(a)	Other Operating Expenses	IV-1	48,054	35,470	104,161
14	(a)	Vehicle Expense	IV-1	398	534	550
15		Total Corporate Expenses		17,127,883	16,064,519	15,106,075
16		Allocation Rate		23.09%	21.36%	23.00%
17	401	Operating Expenses	IV-1	3,954,828	3,431,381	3,474,397
18						
19						
20	(a)	Parent Company accounts are not recorded by NARUC account.				
21						

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/IV-1 Affiliate Expenses by NARUC Account - Monarch Utilities I L.P.

Witness: Edward Taussig

Line No.	NARUC Account (a)	Description (b)	Reference Schedule (c)	Test Year Total (d)	1/1/2018-12/31/2018 (e)	1/1/2017-12/31/2017 (f)
1						
2	401	Operating Expenses	IV-1	(6,589,180)	3,378,759	3,305,904
3						
4	601	Salaries and Wages - Employees	IV-1	(3,197,892)	1,664,842	1,523,912
5	604	Employee Pensions and Benefits	IV-1	(996,521)	380,956	442,781
6	615	Purchased Power	IV-1	(678)	617	345
7	618	Chemicals	IV-1	(17,194)	(279)	(204)
8	620	Materials and Supplies	IV-1	(273,203)	176,264	151,431
9	633	Contractual Services - Legal	IV-1	(25,783)	17,947	15,983
10	635	Contractual Services - Testing	IV-1	(2,385)	(301)	(388)
11	636	Contractual Services - Other	IV-1	(497,368)	371,362	445,765
12	641	Rental of Building/Real Property	IV-1	(147,621)	127,815	124,679
13	642	Rental of Equipment	IV-1	(22,386)	14,863	9,174
14	650	Transportation Expenses	IV-1	(269,229)	48,109	22,513
15	656	Insurance - Vehicle	IV-1	(24,565)	2,846	1,382
16	657	Insurance - General Liability	IV-1	(68,953)	69,198	68,721
17	658	Insurance - Workman's Compensation	IV-1	(24,218)	22,287	33,302
18	659	Insurance - Other	IV-1	(141,897)	125,481	147,290
19	660	Advertising Expenses	IV-1	(30,757)	32,723	19,739
20	667	Regulatory Commission Expenses - Other	IV-1	-	28,869	-
21	670	Bad Debt Expense	IV-1	(42)	3	3
22	675	Miscellaneous Expenses	IV-1	(208,922)	127,125	138,390
23	403	Depreciation Expenses	IV-1	(337,277)	46,491	33,322
24	407	Amortization Expense	IV-1	345	-	-
25	408.11	Property Taxes	IV-1	(15,626)	(3,505)	(2,048)
26	408.12	Payroll Taxes	IV-1	(275,079)	135,838	122,045
27	408.20	Taxes Other Than Income, Other Income and Deductions	IV-1	-	-	(5)
28	414	Gains (Losses) From Disposition of Utility Property	IV-1	1,958	(13,270)	2,525
29	421	Nonutility Income	IV-1	-	7	-
30	427.4	Interest on Customer Deposits	IV-1	(163)	506	3,257
31	427.5	Interest - Other	IV-1	(13,724)	1,961	1,991
32		Total Affiliate Transactions - Monarch Utilities I L.P.		(6,589,180)	3,378,759	3,305,904
33						

Note: The source of any amounts included in this workbook without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/IV-2 Adjusted Affiliate Expenses - Parent

Witness: Mujeeb Hafeez

Line No	NARUC Account (a)	Description (b)	Reference Schedule (c)	Original Trial Balance (d)	Pro-forma Adjustments (e)	K&M Adjustment (f)	Adjusted Monarch Total (g)	Func. Factor (h)	Functionalization	
									Water (i)	Wastewater (j)
1										
2										
3	(a)	Salaries & Wages	IV-2	10,380,061	(2,380,904)	(497,816)	7,501,341	WTR-WW	6,601,180	900,161
4	(a)	Other Employee Costs	IV-2	(887,150)	(94,485)	15,515	(966,120)	WTR-WW	(850,185)	(115,934)
5	(a)	General & Administrative - Other	IV-2	2,877,974	(1,051,056)	-	1,826,918	WTR-WW	1,607,688	219,230
6	(a)	Employee Benefits	IV-2	1,527,763	(71,267)	(108,229)	1,348,267	WTR-WW	1,186,475	161,792
7	(a)	Professional Fees	IV-2	1,549,847	(528,307)	-	1,021,540	WTR-WW	898,955	122,585
8	(a)	Payroll Taxes	IV-2	547,506	-	(118,640)	428,866	WTR-WW	377,402	51,464
9	(a)	Travel & Entertainment	IV-2	340,246	(54)	-	340,192	WTR-WW	299,369	40,823
10	(a)	Lease Expense	IV-2	318,750	-	-	318,750	WTR-WW	280,500	38,250
11	(a)	Repairs & Maintenance	IV-2	240,291	474	-	240,765	WTR-WW	211,873	28,892
12	(a)	Insurance Expense	IV-2	99,811	-	19,962	119,773	WTR-WW	105,400	14,373
13	(a)	Taxes - Other	IV-2	84,332	(784)	-	83,548	WTR-WW	73,522	10,026
14	(a)	Other Operating Expenses	IV-2	48,054	7	-	48,061	WTR-WW	42,294	5,767
15	(a)	Vehicle Expense	IV-2	398	(116)	-	283	WTR-WW	249	34
16		Parent Expenses		17,127,883	(4,126,491)	(689,208)	12,312,184		10,834,722	1,477,462
17		Allocation Rate - Recorded		23.09%	23.09%	23.09%	23.09%		23.09%	23.09%
18		Allocated from Parent to Monarch - Recorded		3,954,828	(952,807)	(159,138)	2,842,883		2,501,737	341,146
19		Change in 3-Factor - Based on 2019 Actuals	IV-2	225,000	(54,208)	(9,054)	161,739			
20		Allocated from Parent to Monarch - Adjusted		4,179,828	(1,007,014)	(168,192)	3,004,622		2,644,067	360,555
21										
22	(a)	Parent Company accounts are not recorded by NARUC account.								
23										

Note: The source of any amounts included in this workpaper without formulas or other references is from the underlying accounting records.

Monarch Utilities I L.P.
Docket No. 50944
Test Year Ending 12/31/2019
WP/IV-2 Adjusted Affiliate Expenses - Monarch Utilities I L.P.
Witness: Edward Taussig

Line No	NARUC Account (a)	Description (b)	Reference Schedule (c)	Original Trial Balance (d)	Pro-forma Adjustments (e)	K&M Adjustment (f)	Adjusted Monarch Total (g)	Func. Factor (h)	Functionalization	
									Water (i)	Wastewater (j)
1										
2	601	Salaries and Wages - Employees	IV-2	(3,197,892)	26,779	867,915	(2,303,198)	WTR_WW	(2,026,815)	(276,384)
3	604	Employee Pensions and Benefits	IV-2	(996,521)	7,311	367,251	(621,960)	WTR_WW	(547,324)	(74,635)
4	615	Purchased Power	IV-2	(678)	2	374	(301)	WTR_WW	(265)	(36)
5	618	Chemicals	IV-2	(17,194)	314	6,322	(10,558)	WTR_WW	(9,291)	(1,267)
6	620	Materials and Supplies	IV-2	(273,203)	2,167	89,779	(181,257)	WTR_WW	(159,506)	(21,751)
7	633	Contractual Services - Legal	IV-2	(25,783)	192	4,286	(21,305)	WTR_WW	(18,748)	(2,557)
8	635	Contractual Services - Testing	IV-2	(2,385)	23	1,419	(943)	WTR_WW	(829)	(113)
9	636	Contractual Services - Other	IV-2	(497,368)	3,746	116,592	(377,030)	WTR_WW	(331,786)	(45,244)
10	641	Rental of Building/Real Property	IV-2	(147,621)	1,062	32,978	(113,582)	WTR_WW	(99,952)	(13,630)
11	642	Rental of Equipment	IV-2	(22,386)	209	4,946	(17,230)	WTR_WW	(15,163)	(2,068)
12	650	Transportation Expenses	IV-2	(269,229)	2,179	123,667	(143,383)	WTR_WW	(126,177)	(17,206)
13	656	Insurance - Vehicle	IV-2	(24,565)	207	11,713	(12,645)	WTR_WW	(11,128)	(1,517)
14	657	Insurance - General Liability	IV-2	(68,953)	216	4,812	(63,926)	WTR_WW	(56,255)	(7,671)
15	658	Insurance - Workman's Compensation	IV-2	(24,218)	165	(1,263)	(25,316)	WTR_WW	(22,278)	(3,038)
16	659	Insurance - Other	IV-2	(141,897)	1,348	30,731	(109,817)	WTR_WW	(96,639)	(13,178)
17	660	Advertising Expenses	IV-2	(30,757)	245	5,104	(25,407)	WTR_WW	(22,358)	(3,049)
18	670	Bad Debt Expense	IV-2	(42)	0	7	(34)	WTR_WW	(30)	(4)
19	675	Miscellaneous Expenses	IV-2	(208,922)	1,585	41,769	(165,568)	WTR_WW	(145,700)	(19,868)
20	403	Depreciation Expenses	IV-2	(337,277)	1,480	203,548	(132,249)	WTR_WW	(116,379)	(15,870)
21	407	Amortization Expense	IV-2	345	(3)	(57)	285	WTR_WW	251	34
22	408.11	Property Taxes	IV-2	(15,626)	122	5,609	(9,895)	WTR_WW	(8,708)	(1,187)
23	408.12	Payroll Taxes	IV-2	(275,079)	2,238	87,666	(185,175)	WTR_WW	(162,954)	(22,221)
24	414	Gains (Losses) From Disposition of Utility Property	IV-2	1,958	(192)	(196)	1,571	WTR_WW	1,382	188
25	427.4	Interest on Customer Deposits	IV-2	(163)	-	101	(62)	WTR_WW	(55)	(7)
26	427.5	Interest - Other	IV-2	(13,724)	79	7,249	(6,396)	WTR_WW	(5,629)	(768)
27										
28				(6,589,180)	51,476	2,012,324	(4,525,380)		(3,982,335)	(543,046)
29										

Note. The source of any amounts included in this workbook without formulas or other references is from the underlying accounting records.

**WP/VI-1.a.1 is Voluminous
and being provided on CD.**

**WP/VI-1.a.2 is Voluminous
and being provided on CD.**

**WP/VI-1.a.3 is Voluminous
and being provided on CD.**

**WP/VI-1.b is Voluminous and
being provided on CD.**

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I, L.P. - Cherokee Shores WWTP Telephone No: (281) 881-9808

Permittee
 Subscriber

TCEQ Region: 5 County: Henderson *Permit Number: WQ0013879001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Location was the 7500 block of Double Bridge Rd. Approximately 400 gallons into ditch line 300'. Contained in that area.

Cause of Noncompliance:
 Contractor hit a sewer main setting fence post. Working without a locate request.

Duration:
 Start Date and Time: 5/10/18 11:30
 Or
 Date Expected to be Corrected:
 End Date and Time: 5/10/18 12:15

Potential Danger to Human Health and Safety or the Environment: none

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

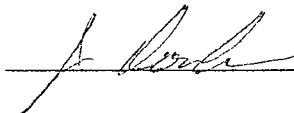
Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: Applied lime to affected area

Actions Taken to Correct the Problem and Prevent Recurrence: Shut job down. Located sewer line, marked and flagged

Verification Information

Information Reported By (Name/Title): Jesse Donelson/Area Supervisor

Date Reported: 5/10/18
 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I, L.P. - Cherokee Shores WWTP Telephone No: (281) 881-9808

Permittee
 Subscriber

TCEQ Region: 5 County: Henderson *Permit Number: WQ0013879001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Location was 198 Lake Creek Dr. Approximately 1200 gallons ran onto the ground and down the fence line to the lake before line could be shut off and repaired.

Cause of Noncompliance:
 Electric company hit the sewer service line while installing electric service. Area was marked but locates were off

Duration: Start Date and Time: 7/5/18 10:30
 End Date and Time: 7/5/18 11:30 Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: none

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

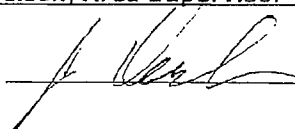
- Yes No Field Measurements
- Yes No Laboratory Samples
- Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: Applied lime to affected area and washed down

Actions Taken to Correct the Problem and Prevent Recurrence: Shut job down. Relocated sewer line, remarked and flagged.

Verification Information

Information Reported By (Name/Title): Jesse Donelson/Area Supervisor

Date Reported: 7/5/18 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I, L.P. - Cherokee Shores WWTP
 Telephone No: (281) 881-9808
 Permittee
 Subscriber
TCEQ Region: 5
 County: Henderson
 ***Permit Number:** WQ0013879001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Location was 104 Adelia, approx. 300 gallons discharged into back yard. No sign that it had made it to the lake. All contained in the back yard.

Cause of Noncompliance:
 Contractor broke shut off valve

Duration:
 Start Date and Time: 7/13/18 13:00

 End Date and Time: 7/13/18 13:30
 Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: none

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

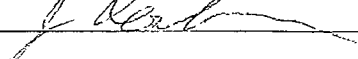
- Yes No **Field Measurements**
- Yes No **Laboratory Samples**
- Yes No **Fish Kill** If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: Left to dry out since it did not get in the lake.

Actions Taken to Correct the Problem and Prevent Recurrence: Mark line.

Verification Information

Information Reported By (Name/Title): Jesse Donelson/Area Supervisor

Date Reported: 7/13/18
 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. (Decker Hills WWTF) Telephone No: (512) 219-2294

Permittee
 Subscriber

TCEQ Region: 12 County: Montgomery *Permit Number: WQ0012587001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent CBOD result of 113 mg/L on 10/16/18.

7-Day limit is 15, and 21 mg/L at 40%.
 Daily Max limit is 25, and 35 mg/L at 40%.
 Single Grab limit is 35, and 49 at 40%.

Cause of Noncompliance:

Operator error.

Duration: Start Date and Time: NA
 End Date and Time: NA Or Date Expected to be Corrected: 10/31/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:


Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence:

The following week's BOD sample result was 2 mg/L.

Verification Information

Information Reported By (Name/Title): Jake Simpson / Operations Supervisor

Date Reported: 11/1/2018 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge Reportable Effluent Violation Other

General Information

Entity Name: Monarch Utilities I L.P. (Decker Hills WWTF) Telephone No: (512) 219-2294

X Permittee Subscriber

TCEQ Region: 12 County: Montgomery *Permit Number: WQ0012587001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Wastewater plant overflowed due to 5" of rain in service area overnight. Lost approximately 900 gallons, contained on sight.

Cause of Noncompliance:

Rainfall

Duration: Start Date and Time: NA
End Date and Time: NA Or Date Expected to be Corrected: 11/1/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.


- Yes X No Field Measurements
- Yes X No Laboratory Samples
- Yes X No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: Had Magnaflo clean up wastewater and disinfect with HTH.

Actions Taken to Correct the Problem and Prevent Recurrence:
Cleaned and disinfected sight.

Verification Information

Information Reported By (Name/Title): Jake Simpson / Operations Supervisor

Date Reported: 11/1/2018 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. (Decker Hills WWTF) **Telephone No:** (512) 219-2294

Permittee
 Subscriber

TCEQ Region: 12
 County: Montgomery
 ***Permit Number:** WQ0012587001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Stonehaven Liftstation at 29628 Stonehaven dr. It overflowed from 3:00 – 5:10 at approximately 40gpm. 5200 gallons went into the ditch.

Cause of Noncompliance:

Power outage. Ran under auxiliary power until power restored.

Duration:
 Start Date and Time: 12/27/18 3:00

 End Date and Time: 12/27/18 5:10
 Or Date Expected to be Corrected: N/A

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

- Yes No **Field Measurements**
- Yes No **Laboratory Samples**
- Yes No **Fish Kill If yes, estimated number killed:**

Actions Taken to Mitigate Adverse Effects: Had Magnaflo clean up wastewater and we disinfected with HTH.

Actions Taken to Correct the Problem and Prevent Recurrence:
 Cleaned and disinfected sight.

Verification Information

Information Reported By (Name/Title): Jake Simpson / Operations Supervisor

Date Reported: 12/28/2018
 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge Reportable Effluent Violation Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321

Permittee Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent Violations above 40% of permitted limits.
May 2018 - Daily Average BOD of 14.54 mg/L exceeded limit of 10 mg/L. BOD 7-day Average of 35.40 mg/L exceeded limit of 15 mg/L. BOD Daily Max of 35.40 mg/L exceeded limit of 25 mg/L.

Cause of Noncompliance: Aerobic treatment insufficient.

Duration: **Start Date and Time:** **End Date and Time:** **Or** **Date Expected to be Corrected:** 6/12/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.


Yes No **Field Measurements**
 Yes No **Laboratory Samples**
 Yes No **Fish Kill** **If yes, estimated number killed:**

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Raised polymer, increased aeration, wasted sludge from contact chamber, and fed chick feed.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux, Area Manager

Date Reported: 6/11/18 **Signature:** 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. (Lake Fork Estates WWTF) Telephone No: (512) 219-2294

Permittee
 Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

E. coli result of >2,419 MPN/100 mL collected from WWTF effluent on July 3, 2018.

E. coli permitted limit for Single Grab is 399 MPN/100 mL, and at 40%, 558 MPN/100 mL.

Cause of Noncompliance:

High blanket of sludge in clarifier due to high influent flow

Duration: **Start Date and Time:** NA
 End Date and Time: NA Or **Date Expected to be Corrected:** 07/10/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No **Field Measurements**
 Yes No **Laboratory Samples**
 Yes No **Fish Kill If yes, estimated number killed:**

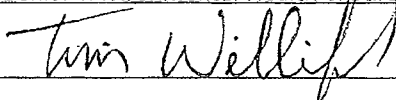
Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence:

Increased polymer feed and increased air in the clarifier and contact chamber. Wasted to get blanket down to around 3 ft. Also added chick feed for food supply.

Verification Information

Information Reported By (Name/Title): Tim Williford / Senior Environmental Health & Safety Manager

Date Reported: July 6, 2018 **Signature:** 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. (Lake Fork Estates WWTF) **Telephone No:** (512) 219-2294

Permittee
 Subscriber

TCEQ Region: 5
 County: Wood
 ***Permit Number:** WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent BOD result of 27.6 mg/L and TSS result of 42 mg/L on 7/3/18.

BOD effluent limit for daily max is 25 mg/L. 7-day Avg limit is 15, and 21 mg/L at 40%.

TSS effluent limit for daily max is 40 mg/L. 7-day Avg limit is 25, and 35 mg/L at 40%.

Cause of Noncompliance:

High blanket of sludge in clarifier due to high influent flow

Duration:
 Start Date and Time: NA

 End Date and Time: NA
 Or Date Expected to be Corrected: 07/10/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No **Field Measurements**
 Yes No **Laboratory Samples**
 Yes No **Fish Kill If yes, estimated number killed:**

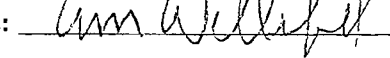
Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence:

Increased polymer feed and increased air in the clarifier and contact chamber. Wasted to get blanket down to around 3 ft. Also added chick feed for food supply. Staff meeting on July 12th to troubleshoot poor plant performance and establish corrective action.

Verification Information

Information Reported By (Name/Title): Tim Williford / Senior Environmental Health & Safety Manager

Date Reported: July 11, 2018
 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge **Reportable Effluent Violation** **Other**

General Information

Entity Name: Monarch Utilities I L.P. (Lake Fork Estates WWTF) **Telephone No:** (512) 219-2294

Permittee **Subscriber**

TCEQ Region: 5 **County:** Wood ***Permit Number:** WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent BOD result of 21.7 mg/L on 09/06/18.
7-day Avg limit is 15, and 21 mg/L at 40%.

Cause of Noncompliance:

RAS line clogged with miscellaneous items

Duration: **Start Date and Time:** NA
End Date and Time: NA **Or** **Date Expected to be Corrected:** 09/14/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

- Yes** **No** **Field Measurements**
- Yes** **No** **Laboratory Samples**
- Yes** **No** **Fish Kill** **If yes, estimated number killed:**

Actions Taken to Mitigate Adverse Effects: None

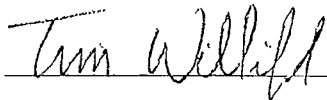
Actions Taken to Correct the Problem and Prevent Recurrence:

RAS line jetted to remove miscellaneous items clogging the line out. Next BOD sample result was 7.21 mg/L (09/12/18).

Verification Information

Information Reported By (Name/Title): Tim Williford / Senior Environmental Health & Safety Manager

Date Reported: September 20, 2018

Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321

Permittee
 Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Effluent Violation above 40% of permitted limit. November 6, 2018, E. coli result of >2419.6 MPN/100mL exceeded the permitted limit for single grab of 399 MPN/100mL.

Cause of Noncompliance: Heavy rainfall on that date and the preceding three days resulting in high flow through plant.

Duration: **Start Date and Time:** **End Date and Time:** **Or** **Date Expected to be Corrected:** 11/15/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Chlorine application was increased.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 11/15/18 **Signature:** 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321

Permittee
 Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Effluent Violations above 40% of permitted limits.
 BOD 7-day average of 28.9 mg/L exceeded limit of 15 mg/L. BOD Daily max of 39.3 mg/L exceeded limit of 25 mg/L.
 TSS 7-day average of 74.7 mg/L exceeded limit of 25 mg/L. TSS Daily max of 112 mg/L exceeded limit of 40 mg/L.
 TSS Single Grab of 112 mg/L exceeded single grab of 60 mg/L.

Cause of Noncompliance: Rainfall during the month resulting in high flow through the plant.

Duration:
 Start Date and Time: 12/16/18
 End Date and Time: 12/22/18
 Or
 Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.


Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Plant expansion is under way. Target completion date is 2/28/19.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 1/2/19
 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321

Permittee
 Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent Violations above 40% of permitted limits.
 BOD Daily Average of 19.75 mg/L exceeded limit of 10 mg/L. BOD Daily Average loading of 3.73 lbs/day exceeded limit of 2.1 lbs/day.
 TSS Daily Average of 47.17 mg/L exceeded limit of 15 mg/L. TSS Daily Average loading of 8.27 lbs/day exceeded limit of 3.1 lbs/day.

Cause of Noncompliance: Rainfall during the month resulting in high flow through the plant.

Duration:
 Start Date and Time: 12/1/18
 End Date and Time: 12/31/18
 Or
 Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.


Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Plant expansion is under way. Target completion date is 2/28/19.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 1/9/19 **Signature:** 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321
 Permittee Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Effluent Violation above 40% of permitted limits.
 TSS 7-day average of 40.7 mg/L exceeded limit of 25 mg/L.

Cause of Noncompliance: Rainfall during the month resulting in high flow through the plant.

Duration: **Start Date and Time:** 12/23/18
 End Date and Time: 12/29/18 **Or** **Date Expected to be Corrected:**

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.


Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Plant expansion is under way. Target completion date is 2/28/19.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 1/9/19 **Signature:** 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321

Permittee
 Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent Violations above 40% of permitted limits.
 BOD 7-day average of 25.2 mg/L exceeded limit of 15 mg/L.
 TSS 7-day average of 36.6 mg/L exceeded limit of 25 mg/L.

Cause of Noncompliance: Rainfall resulting in high flow through the plant.

Duration:
 Start Date and Time: 12/30/18
 End Date and Time: 1/5/19
 Or
 Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

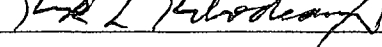
Actions Taken to Mitigate Adverse Effects: None.

Actions Taken to Correct the Problem and Prevent Recurrence: Plant expansion is under way. Target completion date is 2/28/19.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 1/18/19

Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork Telephone No: (214) 283-5321

Permittee
 Subscriber

TCEQ Region: 5 County: Wood *Permit Number: WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent Violations above 40% of permitted limits.
 TSS 7-day average of 37.2 mg/L exceeded limit of 25 mg/L.
 TSS Daily max of 56.3 mg/L exceeded limit of 40 mg/L.

Cause of Noncompliance: Rainfall resulting in high flow through the plant.

Duration:
 Start Date and Time: 1/13/19
 End Date and Time: 1/19/19
 Or
 Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Plant expansion is under way. Target completion date is 2/28/19.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 1/30/19 **Signature:** 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge
 Reportable Effluent Violation
 Other

General Information

Entity Name: Monarch Utilities I L.P. – Holiday Villages of Fork
 Telephone No: (214) 283-5321
 Permittee Subscriber
TCEQ Region: 5
 County: Wood
 ***Permit Number:** WQ0014055001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):
 Effluent Violation above 40% of permitted limit.
 TSS 7-day average of 36.7 mg/L exceeded limit of 25 mg/L.

Cause of Noncompliance: New plant train put in service, and 11.5" of rainfall during the previous two weeks.

Duration:
 Start Date and Time: 5/12/18
 End Date and Time: 5/18/18
 Or Date Expected to be Corrected:

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No **Field Measurements**
 Yes No **Laboratory Samples**
 Yes No **Fish Kill If yes, estimated number killed:**

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence: Polymer applied to the new train.

Verification Information

Information Reported By (Name/Title): Kirk Kebodeaux / Area Manager

Date Reported: 5/29/19 **Signature:** _____

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge Reportable Effluent Violation Other

General Information

Entity Name: Holiday Villages of Lake Livingston Telephone No: (936)-200-0032

Permittee Subscriber

TCEQ Region: 10 County: San Jacinto *Permit Number WQ0014056001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge): Peak 2 Hour Flow 40% Violation Location Holiday Villages of Livingston- WWTP Discharge route - Permeated Outfall,

Estimated volume - 104 GPM

Cause of Noncompliance: Excessive Rainfall (flash flooding) 5 1/2" rain in short time period

Duration: Start Date and Time: 01/18/17 (1:00 a.m.) Or Date Expected to be Corrected: 01/18/17
End Date and Time: 01/18/17 ()

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

- Yes No Field Measurements
- Yes No Laboratory Samples
- Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: ---Contract Tanker Service (Magnaflow) dispatched to ease flow

Actions Taken to Correct the Problem and Prevent Recurrence: Will have 2 WWTPs running by 02/01/2017

V e r i f i c a t i o n I n f o r m a t i o n

Information Reported By (Name/Title): Larry Clark /Field Supervisor

Date Reported: 01/18/2017

Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

[] Unauthorized Discharge [X] Reportable Effluent Violation [] Other

General Information

Entity Name: Holiday Villages of Lake Livingston

Telephone No: (936)-200-0032

[X] Permittee

[] Subscriber

TCEQ Region: **10**

County: San Jacinto

*Permit Number **WQ0014056001**

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge): **Peak 2 Hour Flow 40% Violation** Location Holiday Villages of Livingston- WWTP Discharge route - Permeated Outfall,

Estimated volume - 77 GPM

Cause of Noncompliance: Excessive Rainfall (flash flooding) in short time period

Duration: Start Date and Time: 02/20/17 (10:00 a.m.)

End Date and Time: 02/20/17 (12:00 p.m.)

Or Date Expected to be Corrected: 02/20/17

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No Field Measurements

Yes No Laboratory Samples

Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: ---Contract Tanker Service (Magnaflow) dispatched to ease flow

Actions Taken to Correct the Problem and Prevent Recurrence: Locating and repairing sources of I&I in Collection System

V e r i f i c a t i o n I n f o r m a t i o n

Information Reported By (Name/Title): Larry Clark /Field Supervisor

Date Reported: 03/02/2017

Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge Reportable Effluent Violation Other

General Information

Entity Name: Holiday Villages of Lake Livingston

Telephone No: (936)-200-0032

Permittee

Subscriber

TCEQ Region: 10

County: San Jacinto

*Permit Number WQ0014056001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge): Grinder Station Overflow

Location Holiday Villages of Livingston- 60 Belize Discharge route - Immediate Area,

Estimated volume - 5-7 Gallons

Cause of Noncompliance: Float in Grinder Station was hung

Duration: Start Date and Time: 02/14/18: (2:00pm)

End Date and Time: 02/14/18 (2:30pm)

Or Date Expected to be Corrected: 02/14/18

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

Yes No Field Measurements

Yes No Laboratory Samples

Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: ---Disinfected with HTH

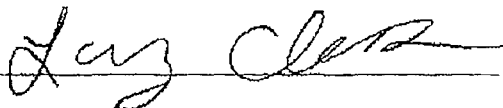
Actions Taken to Correct the Problem and Prevent Recurrence: Float fastened in different location

V e r i f i c a t i o n I n f o r m a t i o n

Information Reported By (Name/Title): Larry Clark /Field Supervisor

Date Reported: 02/14/2018

Signature: _____



Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

Water Quality Noncompliance Notification

See back of Form for Guidance for Completion

Unauthorized Discharge Reportable Effluent Violation Other

General Information

Entity Name: Monarch Utilities I L.P. (Holiday Villages of Livingston) Telephone No: (512) 219-2294

Permittee Subscriber

TCEQ Region: 10 County: San Jacinto *Permit Number: WQ0014056001

Noncompliance Summary

Description of Noncompliance (include location, discharge route, and estimated volume of unauthorized discharge):

Effluent Ammonia result of 24.61 mg/L on 7/16/19.

7-Day limit is 6, and 8.4 at 40%.

Daily Max limit is 10, and 14 at 40%.

Single Grab limit is 15, and 21 at 40%.

Cause of Noncompliance:

Mechanical error, return stopped and caused sludge blanket to rise.

Duration: Start Date and Time: NA
End Date and Time: NA Or Date Expected to be Corrected: 7/19/19

Potential Danger to Human Health and Safety or the Environment: None

Actions Taken

Monitoring Data: Data should be attached or submitted to TCEQ when available.

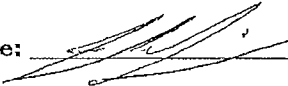
Yes No Field Measurements
 Yes No Laboratory Samples
 Yes No Fish Kill If yes, estimated number killed:

Actions Taken to Mitigate Adverse Effects: None

Actions Taken to Correct the Problem and Prevent Recurrence:
Removed debris from return.

Verification Information

Information Reported By (Name/Title): Jake Simpson / Operations Supervisor

Date Reported: 7/19/2018 Signature: 

Note: If this form is being used for a 5-day written report, a copy of the form should be sent to the TCEQ Region Office, and the original to: TCEQ, Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

* If the noncompliance is an unauthorized discharge from a wastewater collection system, use the permit number of the treatment plant to which the collection system is tied. If you are uncertain of this permit number, you may call the TCEQ Regional Office for assistance.

Excursions			
Daily Avg Flow - MGD		2Hr Peak Flow - GPM	
Jun-19	0.5734	7/4/2018	458
		9/11/2018	415
		9/26/2018	388
		10/1/2018	437
		11/6/2018	652
		11/7/2018	769
		12/27/2018	399
		1/2/2019	728
		1/23/2019	384
		2/26/2019	365
		3/18/2019	814
		3/19/2019	862
		3/21/2019	579
		4/8/2019	553
		5/21/2019	658
		5/28/2019	1,549
		6/3/2019	367
		6/4/2019	675
		6/6/2019	732
		6/7/2019	1,076
		6/10/2019	604
		6/14/2019	623
		6/15/2019	752
		6/16/2019	833
		6/17/2019	919
		6/20/2019	564
		6/21/2019	778
		6/22/2019	758
		6/23/2019	566
		6/24/2019	1,191
		7/25/2019	536
		9/18/2019	412
		9/19/2019	492

Monarch Utilities I L.P.
Docket No 50944
Test Year Ending 12/31/2019
WP/IV-8 1 2019 Services Provided to Affiliates - Shared Cost Matrix - Texas Utilities
Witness: Edward Tausig

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)
1	Management Fee Allocation	(3,293,978.08)																						
2	East Shared Services	(92,503.00)																						
3	West Shared Services	(1,138,898.59)																						
4		(4,525,379.67) Reference IV-1																						
5	TXU Management Fee 2019																							
6	Administrative TXU	30200327	TXU_ADMIN	(4,412,787)	41.91%	7.08%	1.59%	3.34%	5.00%	5.08%	10.99%	11.81%	3.31%	0.21%	0.30%	0.90%	0.81%	0.08%	0.46%	0.40%	1.92%	1.42%	3.39%	100.00%
7	Customer Service TXU	30200328	TXU_CS	(2,456,529)	41.91%	7.08%	1.59%	3.34%	5.00%	5.08%	10.99%	11.81%	3.31%	0.21%	0.30%	0.90%	0.81%	0.08%	0.46%	0.40%	1.92%	1.42%	3.39%	100.00%
8	Accounting TXU	30200329	TXU_A_C	(945,579)	41.91%	7.08%	1.59%	3.34%	5.00%	5.08%	10.99%	11.81%	3.31%	0.21%	0.30%	0.90%	0.81%	0.08%	0.46%	0.40%	1.92%	1.42%	3.39%	100.00%
9				(7,814,895)	41.91%	7.08%	1.59%	3.34%	5.00%	5.08%	10.99%	11.81%	3.31%	0.21%	0.30%	0.90%	0.81%	0.08%	0.46%	0.40%	1.92%	1.42%	3.39%	100.00%
10																								
11	Allocated within Monarch (Mon, WSI, NI, INP1,SWU)	57.85%	(4,520,916.53)																					
12	Allocated to Metro H2O from Monarch	3.39%	(264,924.93)																					
13	Allocated to Tenkiller Utilities (Oklahoma) from Monarch	0.86%	(67,208.09)																					
14	Allocated to SWWC Utilities, Inc from Monarch	37.90%	(2,961,845.06)																					
15		100.00%	(7,814,894.61)																					
16																								
17	East Shared 2019																							
18	East Shared 30200301	30200301	TXU_SHARED	(521,961)	78.32%	15.21%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	1.03%	0.90%	4.36%	0.00%	0.00%	100.00%	
19	Conroe Shared 30200097	30200097	TXU_8_OPS	(1,913,122)	68.89%	30.43%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.68%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
20	Benbrook Shared 30200095	30200095	TXU_6_OPS	(1,573,011)	86.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.10%	0.00%	0.00%	100.00%	
21	Mbank Shared 30200096	30200096	TXU_7_OPS	(1,736,907)	76.36%	23.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
22	Pottsboro Shared 30200094	30200094	TXU_5_OPS	(547,556)	79.91%	4.99%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.08%	7.02%	0.00%	0.00%	0.00%	100.00%	
23				(6,292,557)	77.20%	17.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.22%	0.79%	0.69%	3.64%	0.00%	0.00%	100.00%
24																								
25	Allocated within Monarch (Mon, WSI, NI, INP1,SWU)	98.53%	(6,200,056.17)																					
26	Allocated to Metro H2O from Monarch	0.00%																						
27	Allocated to Tenkiller Utilities (Oklahoma) from Monarch	1.47%	(92,503.00)																					
28	Allocated to SWWC Utilities, Inc from Monarch	0.00%																						
29		100.00%	(6,292,559.17)																					
30																								
31																								
32	West Shared 2019																							
33	West Mgmt	30200333	TXU_SHARED	(653,918)	13.14%	0.66%	2.85%	5.98%	8.95%	9.09%	19.68%	21.15%	5.93%	0.38%	0.53%	1.60%	1.45%	0.00%	0.00%	0.00%	0.00%	2.53%	6.08%	100.00%
34	Austin Monarch Ops	30200330	TXU_1_OPS	(764,491)	13.21%	0.00%	0.00%	0.00%	10.44%	10.58%	23.39%	25.68%	6.58%	0.47%	0.57%	1.56%	1.35%	0.00%	0.00%	0.00%	0.00%	6.17%	100.00%	
35	SA Monarch Ops	30200331	TXU_3_OPS	(1,319,986)	16.63%	4.56%	19.76%	41.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	17.58%	0.00%	100.00%	
36				(2,738,395)	14.84%	2.36%	10.21%	21.42%	5.05%	5.12%	11.23%	12.22%	3.25%	0.22%	0.29%	0.82%	0.72%	0.00%	0.00%	0.00%	9.08%	3.17%	100.00%	
37																								
38																								
39	Allocated within Monarch (Mon, WSI, NI, INP1,SWU)	58.41%	(1,599,496.67)																					
40	Allocated to Metro H2O from Monarch	3.17%	(86,807.13)																					
41	Allocated to Tenkiller Utilities (Oklahoma) from Monarch	0.00%																						
42	Allocated to SWWC Utilities, Inc from Monarch	38.42%	(1,052,091.46)																					
43		100.00%	(2,738,395.26)																					
44																								

Note: The source of any amounts included in this workbook without formulas or other references is from the underlying accounting records.

Monarch Utilities I L P.
Docket No 50944
Test Year Ending 12/31/2019
WP/IV-8 2 2018 Services Provided to Affiliates - Shared Cost Matrix - Texas Utilities
Witness Edward Taussig

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)
1	Management Fee Allocation	3,199,008.53																						
2	East Shared Services	(360,904.44)																						
3	West Shared Services	540,654.91																						
4		3,378,759.00	Reference IV-1																					
6	TXU Management Fee 2018		2018 Costs																					
7	TXU Mgmt 20000033	20000033	TXU_ADMIN	(3,071,373)	42.87%	7.12%	1.59%	3.47%	4.87%	4.94%	10.92%	11.97%	3.07%	0.22%	0.27%	0.73%	0.63%	0.08%	0.50%	0.44%	1.97%	1.46%	2.88%	100.00%
8	TXU Call Center 20000034	20000034	TXU_CS	(2,429,361)	42.87%	7.12%	1.59%	3.47%	4.87%	4.94%	10.92%	11.97%	3.07%	0.22%	0.27%	0.73%	0.63%	0.08%	0.50%	0.44%	1.97%	1.46%	2.88%	100.00%
9	TXU FSC 20000900	20000900	TXU_A_C	(897,821)	42.87%	7.12%	1.59%	3.47%	4.87%	4.94%	10.92%	11.97%	3.07%	0.22%	0.27%	0.73%	0.63%	0.08%	0.50%	0.44%	1.97%	1.46%	2.88%	100.00%
10				(6,398,554)	42.87%	7.12%	1.59%	3.47%	4.87%	4.94%	10.92%	11.97%	3.07%	0.22%	0.27%	0.73%	0.63%	0.08%	0.50%	0.44%	1.97%	1.46%	2.88%	100.00%
13	Allocated to Monarch from SWWC Utilities, Inc	49.99%	(3,199,008.53)																					
14	Allocated to Metro H2O from SWWC Utilities, Inc	2.88%	(184,278.35)																					
15	Allocated to Tenkiller Utilities (Oklahoma) from SWWC Utilities, Inc	0.94%	(60,146.41)																					
16	Allocated within SWWC Utilities, Inc	46.19%	(2,955,491.99)																					
17		100.00%	(6,398,925.27)																					
19	East Shared 2018		2018 Costs																					
20	East Shared 30200301	30200301	TXU_SHARED	(502,436)	78.36%	15.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	1.11%	0.98%	4.36%	0.00%	0.00%	0.00%	100.00%	
21	Conroe Shared 30200097	30200097	TXU_8_OPS	(1,905,132)	69.23%	30.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.69%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
22	Benbrook Shared 30200095	30200095	TXU_6_OPS	(1,703,412)	86.89%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.11%	0.00%	0.00%	0.00%	100.00%	
23	Mabank Shared 30200096	30200096	TXU_7_OPS	(1,549,198)	76.40%	23.60%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
24	Pottsboro Shared 30200094	30200094	TXU_5_OPS	(561,312)	79.23%	4.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.60%	7.59%	0.00%	0.00%	100.00%	
25				(6,222,490)	77.49%	16.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.23%	0.87%	0.76%	3.94%	0.00%	0.00%	0.00%	100.00%	
27	Allocated to SWWC Utilities, Inc from Monarch	4.17%	(259,477.85)																					
28	Allocated to Metro H2O from Monarch	0.00%		5.80%																				
29	Allocated to Tenkiller Utilities (Oklahoma) from Monarch	1.63%	(101,426.59)																					
30	Allocated within Monarch	94.20%	(5,861,585.86)																					
31		100.00%	(6,222,490.30)																					
34	West Shared 2018		2018 Costs																					
35	West Shared 20000201	20000201	TXU_SHARED	(640,317)	13.65%	0.62%	2.91%	6.33%	8.89%	9.01%	19.90%	21.84%	5.59%	0.40%	0.48%	1.33%	1.15%	0.00%	0.00%	0.00%	0.00%	2.65%	5.25%	100.00%
36	Austin Ops Shared	20000277	TXU_1_OPS	(1,519,480)	13.21%	0.00%	0.00%	0.00%	10.44%	10.58%	23.39%	25.68%	6.58%	0.47%	0.57%	1.56%	1.35%	0.00%	0.00%	0.00%	0.00%	0.00%	6.17%	100.00%
37	San Antonio Ops Shared	20000278	TXU_3_OPS	(1,225,645)	16.14%	4.15%	19.48%	42.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	17.79%	0.00%	100.00%
38				(3,385,441)	14.35%	1.62%	7.60%	16.56%	6.37%	6.45%	14.26%	15.66%	4.01%	0.29%	0.35%	0.95%	0.82%	0.00%	0.00%	0.00%	0.00%	6.94%	3.76%	100.00%
40	Allocated to Monarch from SWWC Utilities, Inc	15.97%	(540,654.91)																					
41	Allocated to Metro H2O from SWWC Utilities, Inc	3.76%	(127,292.58)																					
42	Allocated to Tenkiller Utilities (Oklahoma) from SWWC Utilities, Inc	0.00%																						
43	Allocated within SWWC Utilities, Inc	80.27%	(2,717,493.41)																					
44		100.00%	(3,385,440.90)																					

Note: The source of any amounts included in this workbook without formulas or other references is from the underlying accounting records.

Monarch Utilities I L P.
Docket No 50944
Test Year Ending 12/31/2019
WP/IV-8 3 2017 Services Provided to Affiliates - Shared Cost Matrix - Texas Utilities
Witness Edward Taussig

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)
1	Management Fee Allocation	3,169,322.86																						
2	East Shared Services	(364,596.82)																						
3	West Shared Services	501,177.55																						
4		3,305,903.60	Reference IV-1																					
6	TXU Management Fee 2017																							
7			2017 Costs																					
8	TXU Mgmt 20000033	20000033	TXU_ADMIN	(3,018,961)	43.66%	7.09%	1.62%	3.57%	4.83%	4.71%	10.97%	10.63%	4.04%	0.25%	0.27%	0.59%	0.52%	0.08%	0.52%	0.46%	2.01%	1.51%	2.67%	100.00%
9	TXU Call Center 20000034	20000034	TXU_CS	(2,227,511)	43.66%	7.09%	1.62%	3.57%	4.83%	4.71%	10.97%	10.63%	4.04%	0.25%	0.27%	0.59%	0.52%	0.08%	0.52%	0.46%	2.01%	1.51%	2.67%	100.00%
10	TXU FSC 20000900	20000900	TXU_A-C	(997,853)	43.66%	7.09%	1.62%	3.57%	4.83%	4.71%	10.97%	10.63%	4.04%	0.25%	0.27%	0.59%	0.52%	0.08%	0.52%	0.46%	2.01%	1.51%	2.67%	100.00%
11				(6,244,325)	43.66%	7.09%	1.62%	3.57%	4.83%	4.71%	10.97%	10.63%	4.04%	0.25%	0.27%	0.59%	0.52%	0.08%	0.52%	0.46%	2.01%	1.51%	2.67%	100.00%
12	Allocated to Monarch from SWWC Utilities, Inc	50.75%	(3,169,322.86)																					
13	Allocated to Metro H2O from SWWC Utilities, Inc	2.67%	(166,723.47)																					
14	Allocated to Tenkiller Utilities (Oklahoma) from SWWC Utilities, Inc	0.98%	(61,194.38)																					
15	Allocated within SWWC Utilities, Inc	45.60%	(2,847,412.13)																					
16		100.00%	(6,244,652.85)																					
18	East Shared 2017																							
19			2017 Costs																					
20	East Shared 30200301	30200301	TXU_SHARED	(494,226)	78.69%	14.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%	1.13%	1.00%	4.35%	0.00%	0.00%	100.00%
21	Conroe Shared 30200097	30200097	TXU_8_OPS	(2,049,288)	69.72%	29.58%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.70%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
22	Benbrook Shared 30200095	30200095	TXU_6_OPS	(1,690,338)	86.92%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.08%	0.00%	0.00%	100.00%
23	Malbank Shared 30200096	30200096	TXU_7_OPS	(1,652,983)	76.88%	23.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
24	Pottsboro Shared 30200094	30200094	TXU_5_OPS	(577,647)	79.48%	3.93%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.82%	7.77%	0.00%	0.00%	0.00%	100.00%
25				(6,464,483)	77.61%	16.76%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.24%	0.87%	0.77%	3.75%	0.00%	0.00%	100.00%
26	Allocated to SWWC Utilities, Inc from Monarch	3.99%	(257,932.86)																					
27	Allocated to Metro H2O from Monarch	0.00%	-																					
28	Allocated to Tenkiller Utilities (Oklahoma) from Monarch	1.65%	(106,663.96)																					
29	Allocated within Monarch	94.36%	(6,099,885.77)																					
30		100.00%	(6,464,482.59)																					
32	West Shared 2017																							
33			2017 Costs																					
34	West Shared 20000201	20000201	TXU_SHARED	(659,245)	13.43%	0.58%	3.01%	6.65%	8.99%	8.76%	20.43%	19.80%	7.52%	0.47%	0.50%	1.09%	0.98%	0.00%	0.00%	0.00%	0.00%	2.81%	4.98%	100.00%
35	Austin Ops Shared	20000277	TXU_1_OPS	(1,465,537)	13.01%	0.00%	0.00%	0.00%	10.64%	10.37%	24.18%	23.43%	8.90%	0.55%	0.59%	1.29%	1.16%	0.00%	0.00%	0.00%	0.00%	0.00%	5.88%	100.00%
36	San Antonio Ops Shared	20000278	TXU_3_OPS	(1,121,187)	15.75%	3.70%	19.46%	42.95%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.14%	0.00%	100.00%
37				(3,245,969)	14.04%	1.40%	7.33%	16.19%	6.63%	6.46%	15.07%	14.60%	5.55%	0.34%	0.37%	0.80%	0.72%	0.00%	0.00%	0.00%	0.00%	6.84%	3.67%	100.00%
38	Allocated to Monarch from SWWC Utilities, Inc	15.44%	(501,177.55)																					
39	Allocated to Metro H2O from SWWC Utilities, Inc	3.67%	(119,127.05)																					
40	Allocated to Tenkiller Utilities (Oklahoma) from SWWC Utilities, Inc	0.00%	-																					
41	Allocated within SWWC Utilities, Inc	80.89%	(2,625,664.02)																					
42		100.00%	(3,245,968.62)																					

Note: The source of any amounts included in this workbook without formulas or other references is from the underlying accounting records

Monarch Utilities I L.P.
 Docket No. 50944
 Test Year Ending 12/31/2019
 WP/IV-8.4 Services to Affiliates - Shared Costs by NARUC - Total Texas Utilities
 Witness: Edward Taussig

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Test Year				2018				2017	
2	Allocation	(All)			Allocation	(All)			Allocation	(All)
3										
4	Row Labels	Sum of 2019 Total			Row Labels	Sum of 2018 Total			Row Labels	Sum of 2017 Total
5	601 Salaries and Wages - Employees	(8,392,684)			601 Salaries and Wages - Employees	(8,261,585)			601 Salaries and Wages - Employees	(7,652,096)
6	604 Employee Pensions and Benefits	(2,598,894)			604 Employee Pensions and Benefits	(2,217,554)			604 Employee Pensions and Benefits	(2,872,732)
7	615 Purchased Power	(2,892)			615 Purchased Power	6,694			615 Purchased Power	6,112
8	618 Chemicals	(99,986)			618 Chemicals	(4,808)			618 Chemicals	(4,706)
9	620 Materials and Supplies	(777,278)			620 Materials and Supplies	(692,805)			620 Materials and Supplies	(699,230)
10	633 Contractual Services - Legal	(50,546)			633 Contractual Services - Legal	(35,902)			633 Contractual Services - Legal	(31,494)
11	635 Contractual Services - Testing	(12,947)			635 Contractual Services - Testing	(5,190)			635 Contractual Services - Testing	(6,883)
12	636 Contractual Services - Other	(1,134,585)			636 Contractual Services - Other	(1,068,973)			636 Contractual Services - Other	(1,205,861)
13	641 Rental of Building/Real Property	(303,451)			641 Rental of Building/Real Property	(379,423)			641 Rental of Building/Real Property	(363,153)
14	642 Rental of Equipment	(66,103)			642 Rental of Equipment	(65,839)			642 Rental of Equipment	(60,738)
15	650 Transportation Expenses	(794,928)			650 Transportation Expenses	(836,306)			650 Transportation Expenses	(769,011)
16	656 Insurance - Vehicle	(88,441)			656 Insurance - Vehicle	(64,709)			656 Insurance - Vehicle	(37,385)
17	657 Insurance - General Liability	(151,669)			657 Insurance - General Liability	(138,749)			657 Insurance - General Liability	(135,426)
18	658 Insurance - Workman's Compensation	(22,643)			658 Insurance - Workman's Compensation	50,335			658 Insurance - Workman's Compensation	(73,829)
19	659 Insurance - Other	(264,757)			659 Insurance - Other	(269,505)			659 Insurance - Other	(294,688)
20	660 Advertising Expenses	(62,291)			660 Advertising Expenses	(66,583)			660 Advertising Expenses	(42,274)
21	670 Bad Debt Expense	(81)			667 Regulatory Commission Expenses - Other	(134,682)			670 Bad Debt Expense	(6)
22	675 Miscellaneous Expenses	(427,592)			670 Bad Debt Expense	(6)			675 Miscellaneous Expenses	(333,371)
23	403 Depreciation Expenses	(800,498)			675 Miscellaneous Expenses	(301,198)			403 Depreciation Expenses	(607,192)
24	407 Amortization Expense	677			403 Depreciation Expenses	(758,286)			408 11 Property Taxes	(37,404)
25	408 11 Property Taxes	(47,050)			408 11 Property Taxes	(39,554)			408.12 Payroll Taxes	(692,909)
26	408 12 Payroll Taxes	(753,109)			408 12 Payroll Taxes	(761,777)			408 20 Taxes Other Than Income, Other Income and Deducti	(94)
27	414 Gains (Losses) From Disposition of Utility	46,142			414 Gains (Losses) From Disposition of Utility Property	113,779			414 Gains (Losses) From Disposition of Utility Property	65,900
28	427.4 Interest on Customer Deposits	(4,248)			421 Nonutility Income	124			427 4 Interest on Customer Deposits	(30,207)
29	427 5 Interest - Other	(35,994)			427.4 Interest on Customer Deposits	(14,437)			427 5 Interest - Other	(76,100)
30	Grand Total	(16,845,847)			427.5 Interest - Other	(59,919)			Grand Total	(15,954,776)
31					Grand Total	(16,006,856)				

Note: The source of any amounts included in this workbook without formulas or other references is from the underlying accounting records

Monarch Utilities I L.P.

Docket No. 50944

Test Year Ending 12/31/2019

WP/IV-8 5 Services to Affiliates - Shared Costs by NARUC - Shared Costs Allocated Out of Monarch to Texas Utilities Affiliates

Witness Edward Taussig

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Test Year				2018				2017	
2	Allocation	(All)			Allocation	(All)			Allocation	(All)
3										
4	Row Labels	Sum of Allocated Costs			Row Labels	Sum of Allocated Costs			Row Labels	Sum of Allocated Costs
5	601 Salaries and Wages - Employees	(2,303,198)			601 Salaries and Wages - Employees	1,664,842			601 Salaries and Wages - Employees	1,523,912
6	604 Employee Pensions and Benefits	(621,960)			604 Employee Pensions and Benefits	380,956			604 Employee Pensions and Benefits	442,781
7	615 Purchased Power	(301)			615 Purchased Power	617			615 Purchased Power	345
8	618 Chemicals	(10,558)			618 Chemicals	(279)			618 Chemicals	(204)
9	620 Materials and Supplies	(181,257)			620 Materials and Supplies	176,264			620 Materials and Supplies	151,431
10	633 Contractual Services - Legal	(21,305)			633 Contractual Services - Legal	17,947			633 Contractual Services - Legal	15,983
11	635 Contractual Services - Testing	(943)			635 Contractual Services - Testing	(301)			635 Contractual Services - Testing	(388)
12	636 Contractual Services - Other	(377,030)			636 Contractual Services - Other	371,362			636 Contractual Services - Other	445,765
13	641 Rental of Building/Real Property	(113,582)			641 Rental of Building/Real Property	127,815			641 Rental of Building/Real Property	124,679
14	642 Rental of Equipment	(17,230)			642 Rental of Equipment	14,863			642 Rental of Equipment	9,174
15	650 Transportation Expenses	(143,383)			650 Transportation Expenses	48,109			650 Transportation Expenses	22,513
16	656 Insurance - Vehicle	(12,645)			656 Insurance - Vehicle	2,846			656 Insurance - Vehicle	1,382
17	657 Insurance - General Liability	(63,926)			657 Insurance - General Liability	69,198			657 Insurance - General Liability	68,721
18	658 Insurance - Workman's Compensation	(25,316)			658 Insurance - Workman's Compensation	22,287			658 Insurance - Workman's Compensation	33,302
19	659 Insurance - Other	(109,817)			659 Insurance - Other	125,481			659 Insurance - Other	147,290
20	660 Advertising Expenses	(25,407)			660 Advertising Expenses	32,723			660 Advertising Expenses	19,739
21	670 Bad Debt Expense	(34)			667 Regulatory Commission Expenses - Other	28,869			670 Bad Debt Expense	3
22	675 Miscellaneous Expenses	(165,568)			670 Bad Debt Expense	3			675 Miscellaneous Expenses	138,390
23	403 Depreciation Expenses	(132,249)			675 Miscellaneous Expenses	127,125			403 Depreciation Expenses	33,322
24	407 Amortization Expense	285			403 Depreciation Expenses	46,491			408.11 Property Taxes	(2,048)
25	408.11 Property Taxes	(9,895)			408.11 Property Taxes	(3,505)			408.12 Payroll Taxes	122,045
26	408.12 Payroll Taxes	(185,175)			408.12 Payroll Taxes	135,838			408.20 Taxes Other Than Income, Other Income and Deductions	(5)
27	414 Gains (Losses) From Disposition of Utility Property	1,571			414 Gains (Losses) From Disposition of Utility Property	(13,270)			414 Gains (Losses) From Disposition of Utility Property . .	2,525
28	427.4 Interest on Customer Deposits	(62)			421 Nonutility Income	7			427.4 Interest on Customer Deposits	3,257
29	427.5 Interest - Other	(6,396)			427.4 Interest on Customer Deposits	506			427.5 Interest - Other	1,991
30	Grand Total	(4,525,380)			427.5 Interest - Other	1,961			Grand Total	3,305,904
31					Grand Total	3,378,759				

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**WP/V-2.4 is Confidential and
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**WP/V-2.5 is Confidential and
being provided under seal.**

**WP/V-3 is Confidential and
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End of rate filing package.