



- 1. Capacity Fees 101
- 2. Methodology
- 3. Proposed Results

















4			Unitedieu Kelali	Treated wholesal
	Asset Value in 2020 Dollars	\$444,819,528	\$6,712,228	\$102,964,247
2	Less Outstanding Principal	(\$29,607,303)	(\$446,768)	(\$6,853,327)
3	Less 20 Years of CIP	(\$309,751,449)	(\$4,674,080)	(\$71,699,471)
4	Net Asset Value	\$105,460,776	\$1,591,380	\$24,411,449
4	Net Asset Value	\$105,460,776	\$1,591,380	\$24,411,44



Treated Retail	AWWA Capacity	AWWA Ratio	# of Meters	EMU
5/8 & 3/4	30	1.00	6,683	6,683
1	50	1.67	244	407
1.5	100	3.33	34	113
2	160	5.33	34	181
3	350	11.67	3	35
4	630	21.00	4	84
6	1600	53.33	6	320
Total			7,008	7,823

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EMUs – Untreated Retail

Untreated	AWWA Capacity	AWWA Ratio	# of Meters	EMU
5/8 & 3/4	30	1.00	125	125
1	50	1.67	30	50
1.5	100	3.33	7	23
2	160	5.33	6	32
3	350	11.67	3	35
4	630	21.00	3	63
6	1600	53.33	1	53
Total			175	382

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Treated Wholesale	AWWA Capacity	AWWA Ratio	# of Meters	EMU
5/8 & 3/4	30	1.00	3,242	3,242
1	50	1.67	197	328
1.5	100	3.33	36	120
2	160	5.33	106	565
3	350	11.67	-	-
4	630	21.00	8	168
6	1600	53.33	1	53
Total			3,590	4,477

EMUs – Treated Wholesale

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LIVIUS — Summa Calculated EMU Prior EMU (2016 Study)	ary eated Retail 7,823 8,359	Untreated Retail	Treated Wholesale
Tre Calculated EMU Prior EMU (2016 Study)	eated Retail 7,823 8,359	Untreated Retail 382 825	Treated Wholesale
Calculated EMU Prior EMU (2016 Study)	eated Retail 7,823 8,359	Untreated Retail 382 825	Treated Wholesale
Calculated EMU Prior EMU (2016 Study)	eated Retail 7,823 8,359	Untreated Retail	Treated Wholesale
Calculated EMU Prior EMU (2016 Study)	7,823 8,359	Untreated Retail 382 825	Treated Wholesale 4,477
Prior EMU (2016 Study)	8,359	382	4,477
	0,339	0.21	1 2 1 6
number Prior study used est 	timated val	ues	
Calculated EMUs for end user service conn customer, results in a	Freated Wh lections rep large incre	nolesale are bas ported by each ease from prior s	sed on number o wholesale study
			Judy

• Ne	et Asset Value is di	vided by tota	al equivalen	t meters to
do	torming the Eco p			
ue	termine the ree p			
Line	Description	Treated Retail	Untreated Retail	Treated Wholesale
	-			
1	Net Asset Value	\$105,460,776	\$1,591,380	\$24,411,449
1	Net Asset Value EMUs	\$105,460,776 7,823	\$1,591,380 382	\$24,411,449 4,477





Inon	amontal Cal	oulation	
	ementar car	culation	
Line	Calculation	Description	Values
1	Water Master Plan	Incremental CIP Total (5 Years)	\$7,687,000
2	Slide 16	Current EMUs (Treated Retail and Treated Wholesale)	12,300
3	(Line 2 x 7%)	Incremental EMUs	922
			¢0.000

• A				s yields the
p	roposed Capacity	Fee		L
Line	Description	Treated Retail	Untreated Retail	Treated Wholesale
			¢/ 170	\$5.453
1	BUY-IN CAPACITY FEE	\$13,480	φ 4 ,170	+-,
1 2	BUY-IN CAPACITY FEE INCREMENTAL FEE	\$13,480 \$8,338	\$0	\$8,338



Meter Size	Current	Proposed	\$ Difference
5/8 & 3/4	\$15,992	\$21,818	\$5,826
1	\$26,655	\$36,363	\$9,708
1.5	\$53,307	\$72,727	\$19,420
2	\$85,293	\$116,363	\$31,070
3	\$170,586	\$254,544	\$83,958
4	\$266,540	\$458,179	\$191,639
6	\$533,078	\$1,163,629	\$630,551

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Proposed Capacity Fees Untreated Retail

Meter Size	Current	Proposed	\$ Difference
5/8 & 3/4	\$6,507	\$4,170	(\$2,337)
1	\$10,845	\$6,949	(\$3,896)
1.5	\$21,690	\$13,899	(\$7,791)
2	\$34,704	\$22,238	(\$12,466)
3	\$69,409	\$48,645	(\$20,764)
4	\$108,449	\$87,561	(\$20,888)
6	\$216,900	\$222,376	\$5,476

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Meter Size	Current	Proposed	\$ Difference
5/8 & 3/4	\$9,210	\$13,790	\$4,580
1	\$15,351	\$22,984	\$7,633
1.5	\$30,702	\$45,968	\$15,266
2	\$49,124	\$73,549	\$24,425
3	\$98,248	\$160,888	\$62,640
4	\$153,512	\$289,598	\$136,086
6	\$307,021	\$735,487	\$428,466

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Policy Discussion on Residential Fireflow Requirement

- Given Residential fire sprinkler requirements, most new development will require a 1" meter
 - > Who benefits from Fire Sprinkler requirements?
- Thought A:
 - > Fire Sprinkler system is a benefit only for property owner
 - > Policy A: Developer should pay for 1" capacity and associated meter rate
- Thought B:
 - > Fire Sprinkler benefits property owner and the neighboring community
 - > Policy B: Developer should pay for 3/4" capacity and associated meter rate







Non-growth related CIP

Line	CIP (Today's Dollars)		Treated Retail	Untreated Retail	Treated Wholesale
1	Water Master Plan	\$184,285,000	\$147,834,369	\$2,230,788	\$34,219,843
2	Water R&R CIP	\$201,840,000	\$161,917,080	\$2,443,293	\$37,479,627
3	Total CIP	\$386,125,000	\$309,751,449	\$4,674,080	\$71,699,471