

Tahoe City Public Utility District Water and Sewer Rate Study Draft Study Results and Recommendations July 22, 2019



Purpose of the Presentation

Provide an overview of the rate setting process



Review the approach to setting cost-based rates

Review draft results and recommendations

Gain Board feedback and direction on the study



Purpose of the Study

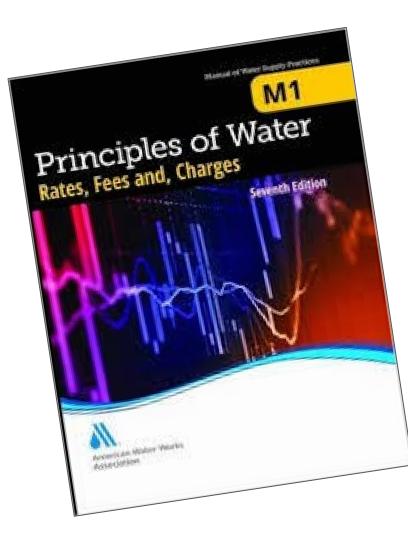
- Provide sufficient revenues to operate and maintain the District's water and sewer infrastructure
- Develop equitable and cost-based rates
 Meet the intent of Proposition 218
- Establish the administrative record for the study
- Reflect prudent financial planning criteria (LTFP)
 - $_{\rm O}$ Maintain target debt service coverage (DSC) ratio
 - Prudent rate funding of capital
 - Meet target reserve balances
- Develop the study using generally accepted methodologies tailored to the District's system and customer characteristics

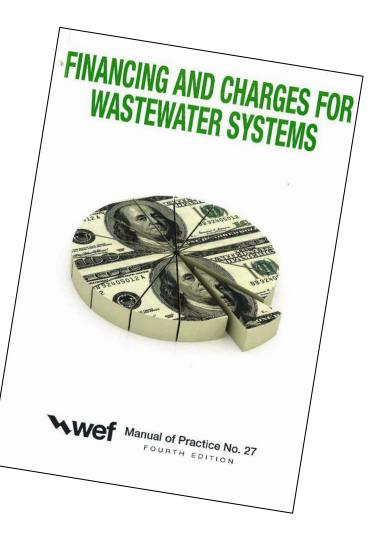


Proposition 218 Requirements

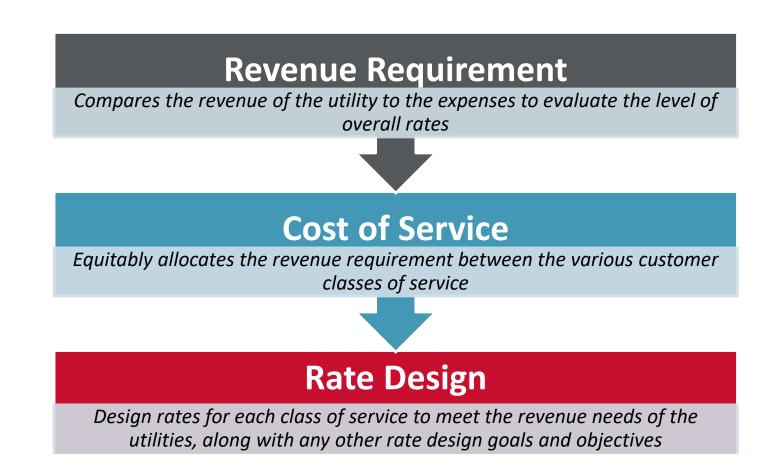
- Provides the requirement for setting and implementing property related rates and fees
 - California constitution Article XIII D
- Requires a cost basis for establishing the level of the rates
 - o "Fees shall not exceed the **reasonable cost** of providing the service"
 - "Fees shall not exceed the proportional cost of providing the service attributable to the parcel which it is imposed"
- Requires a customer notification process and protest hearing
- If no majority protest:
 - Board may implement the proposed rates
 - The proposed rates are the maximum rates that can be charged for the time period specified
 - Rate levels will be reviewed during budgeting process
 - Board action necessary to reduce rates lower than noticed levels

What is "Generally Accepted"?





Developing Cost-Based Water & Sewer Rates



Revenue Requirement



Water and Sewer Revenue Requirement Overview

Compares utility revenues to expenses	 Determines the level of revenue (rate) adjustment necessary
Lless prudent finensiel	
Uses prudent financial planning criteria	 Adequate funding of renewal and replacements Meeting target ending reserve balances
Reviews a specific	 Ten year period for the District's study
time period	 Rate study focus is next 5-year period
Utilities is analyzed on	 No transfer of funds between water and sewer
a "stand-alone basis"	 Rates need to support operations and capital
Utilizes the "cash basis" methodology	 Generally accepted method for municipal utilities

Overview of the Water Revenue Requirement

- Study includes recently acquired systems

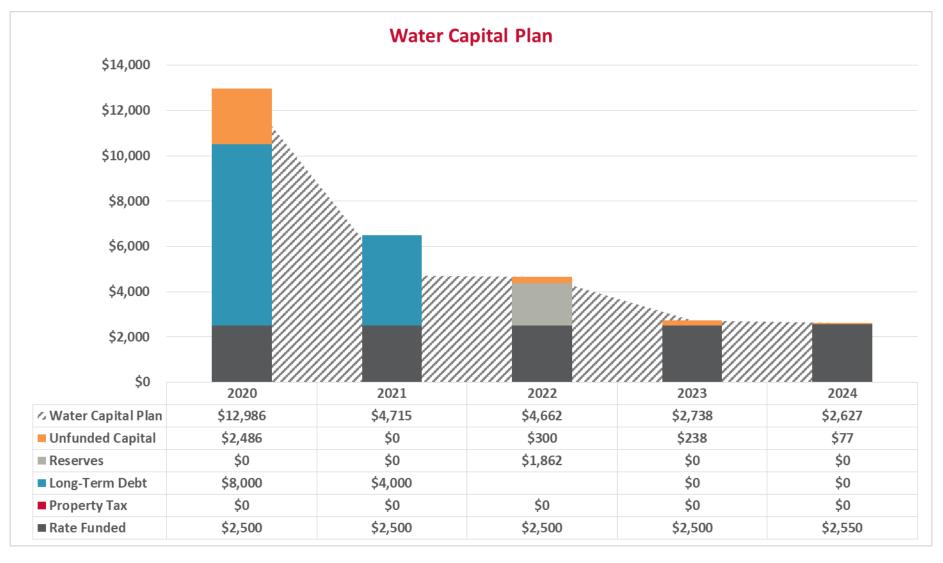
 Timberland, Tahoe Cedars, and Madden Creek
- Revenues were calculated based on current rate levels and customer characteristics
 - $_{\odot}$ Projected based on minimal growth on the system (0.5% annually)
- O&M expenses start with 2019 adopted budget
 o Projected based on a 10-year period (2020 2029)
- Developed a capital funding plan
 - Committee reviewed capital plan
 - $_{\rm O}$ Does not fully reflect total capital needs
 - Results in additional funding needs
- Study reflects recently reviewed financial policies related to rate setting (LTFP)

Overview of the Water Capital Plan For Rate Study

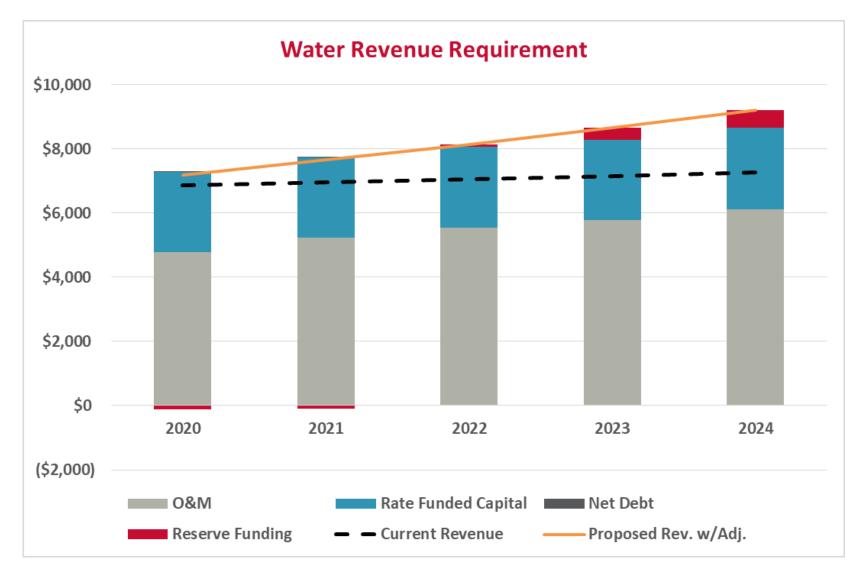
	2020	2021	2022	2023	2024
Capital Plan	\$12,985,630	\$4,715,168	\$4,661,669	\$2,738,154	\$2,626,540
Public Projects Relocations/Upgrades (EIP)					
West Lake Tahoe Regional Water Treatment Plant					
Madden Creek Water System Interconnection and Dist.	Improvements				
Timberland Water System Metering and Distribution Im	nprovements				
Tahoe Cedars & Madden Creek Water System Distributi	ion Improvement	ts			
West Shore Storage Augmentation Project					
Lower Meeks Bay PRV			Total 202	0-2024	
The Drive WLR			Water C		
Rubicon Tank No. 1 Water Feed Line Replacement			Total = \$27	•	
Highlands Easements Svc Line Repl (Polybutylene)			10tal – 927	,/2/,101	
Smart Meter Replacement Program					
TC Main Emergency Water Supply Project					
Moana Circle WLR					
Dardanelles WLR					
Water System Master Metering					
Operational Projects					

- Water capital plan for Rate Study represents a scaled back capital plan and does not include Rubicon Water System Transmission Improvement, Tahoe City Main Source & Augmentation and the full system replacement for Tahoe Cedars and Madden Creek.
- The WLTRWTP Project will be financed with a SRF Low Interest Loan with annual payment of approx. \$740,000 for 20 years paid by property tax.

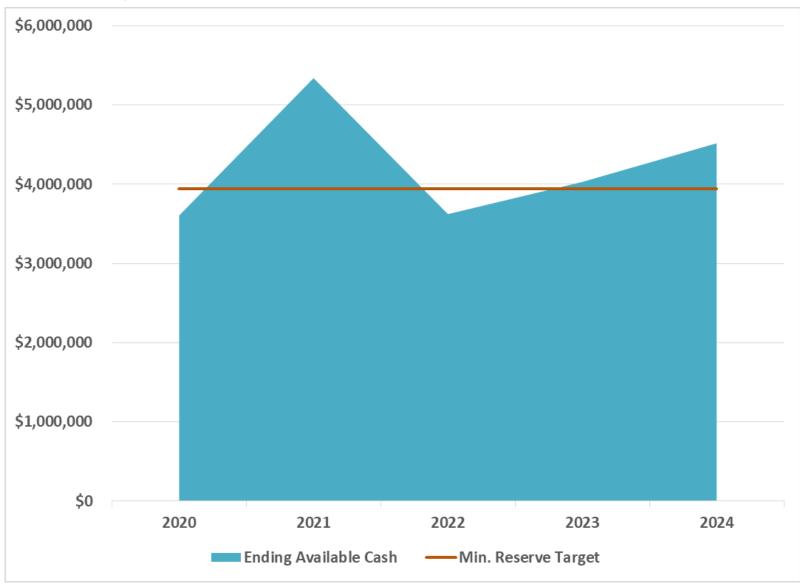
Overview of the Water Capital Funding Plan - Assumes 6% annual revenue adjustments (2020-2024)



Summary of the Water Revenue Requirement - Assumes 6% annual revenue adjustments (2020-2024)



Summary of the Water Cash Available and Minimum Reserves - Assumes 6% annual revenue adjustments (2020-2024)



Water Revenue Requirement Summary

Water revenue adjustments are necessary

	2020	2021	2022	2023	2024
Water	6.0%	6.0%	6.0%	6.0%	6.0%
Water – Alt Debt	6.0%	12.5%	6.0%	6.0%	6.0%

- Reflects the need to prudently fund O&M and capital needs

 Current plan includes capital needs as identified on the system
 Unfunded capital improvements remain even with revenue adjustments
- Reflects overall financial policy goals

 Need to fund water minimum targets, in addition to revenue adjustments
- Overall change in revenue may not equal change in customer bill

 Cost of service (proportional allocation) will provide bill impact
 Transition of acquired system customers will also provide economies of scale in out years (2021-2024)

Overview of the Sewer Revenue Requirement

- Revenues were calculated based on current rate levels and customer characteristics
 - Assumed zero growth on the system
- O&M expenses start with 2019 adopted budget
 o Projected based on for a 10-year period (2020 2029)
- Developed a capital funding plan
 Board adopted 5-year plan
- Study reflects recently reviewed financial policies related to rate setting (LTFP)

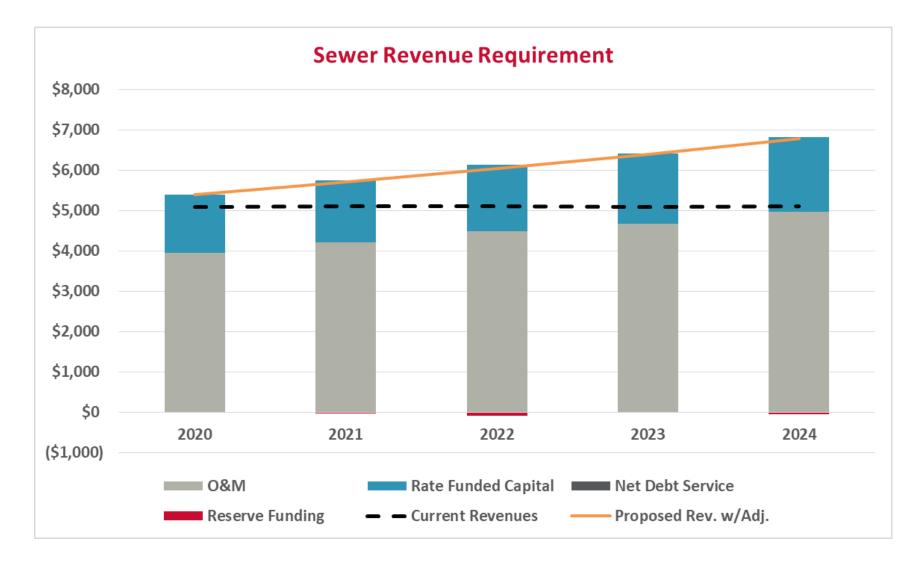
Overview of the Sewer Capital Plan For Rate Study

	2020	2021	2022	2023	2024
Capital Projects	\$1,249,117	\$2,701,721	\$2,550,749	\$1,875,548	\$1,885,108
Line Replace / Slipline / Manhole Rehab / Laterals Dollar/Edgewater Lakefront SLR					
McKinney Sewer Pump Station Modifications					
Emergency Bypass Facilities					
Satellite Pump Station Overflow Wet Wells		Tot	al 2020-2024	L I	
Projects as Defined by Future Sewer Master Plan			wer Capital		
Metering Manholes		Tota	l = \$10,262,3	33	
West Shore H2S Control Facilities					
Operational Projects & Vehicles					

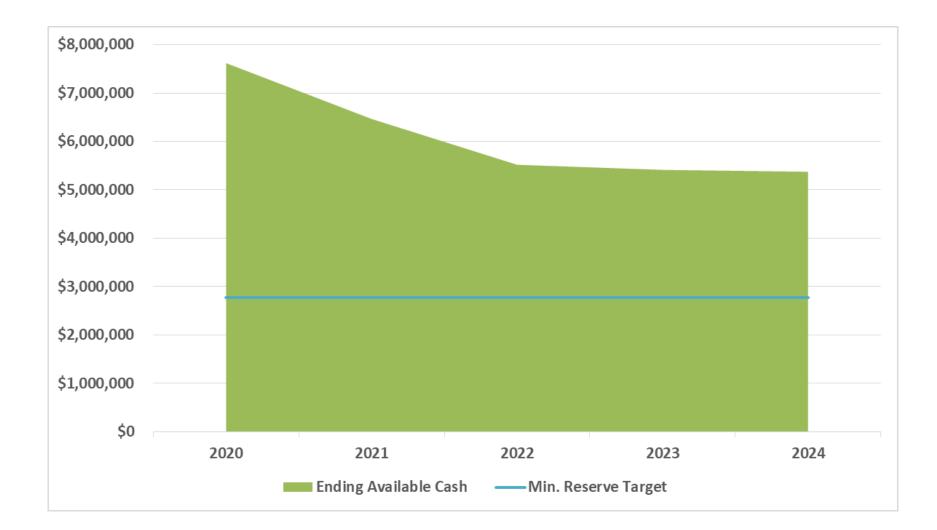
Overview of the Sewer Capital Funding Plan - Assumes 6% annual revenue adjustments (2020-2024)



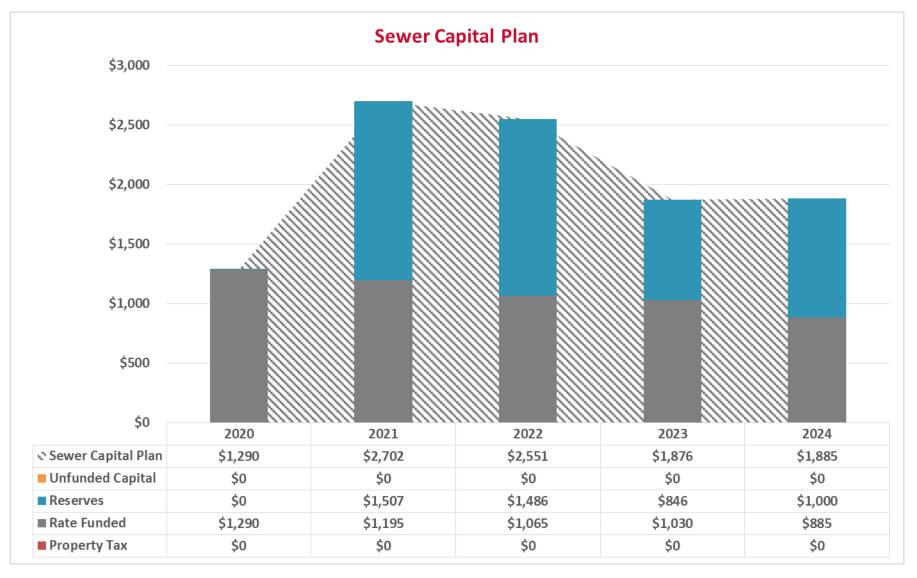
Summary of the Sewer Revenue Requirement - Assumes 6% annual revenue adjustments (2020-2024)



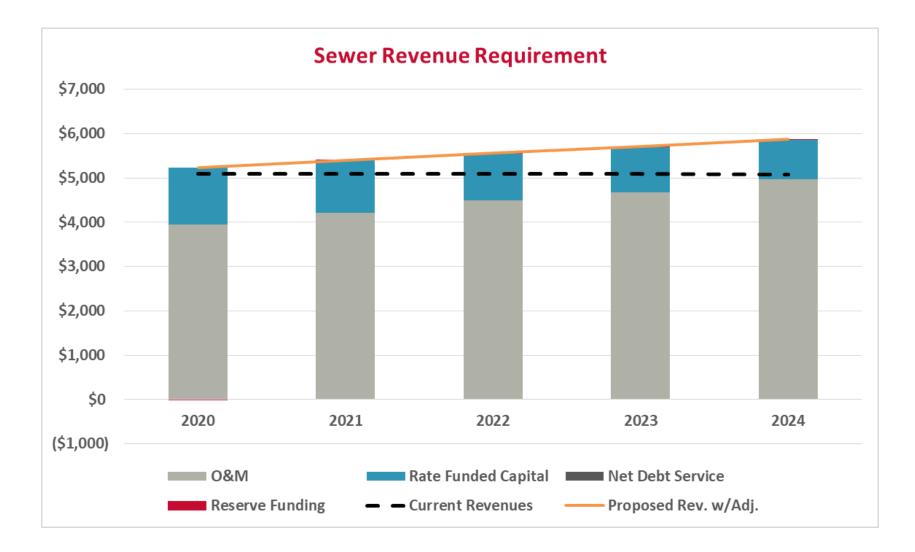
Summary of the Sewer Cash Available and Minimum Reserves - Assumes 6% annual revenue adjustments (2020-2024)



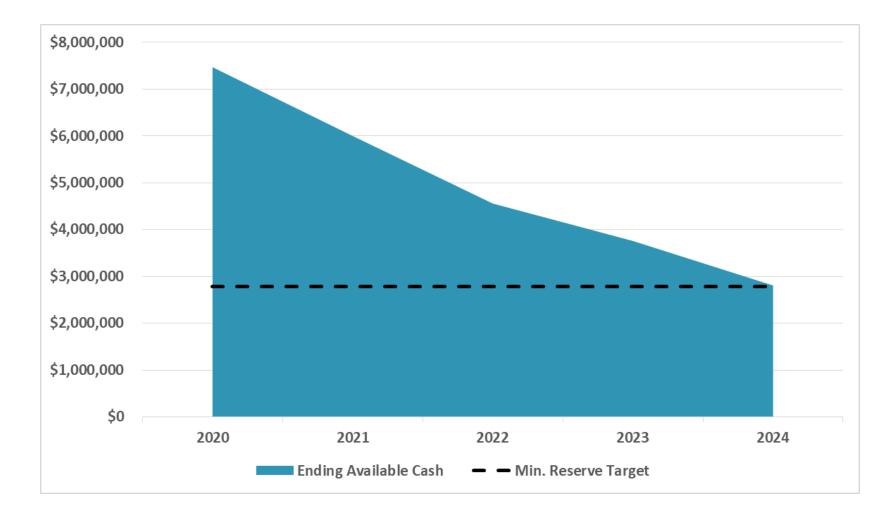
Overview of the Sewer Alternative Capital Funding Plan - Assumes 3% annual revenue adjustments (2020-2024)



Summary of the Sewer Alternative Revenue Requirement - Assumes 3% annual revenue adjustments (2020-2024)



Summary of the Sewer Cash Available and Minimum Reserves Assumes 3% annual revenue adjustments (2020-2024)



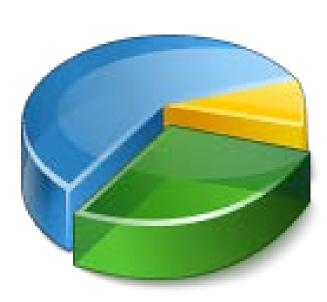
Sewer Revenue Requirement Summary

Revenue adjustments are necessary

	2020	2021	2022	2023	2024
Sewer	6.0%	6.0%	6.0%	6.0%	6.0%
Sewer – Alt	3.0%	3.0%	3.0%	3.0%	3.0%

- Reflects the need to prudently fund O&M and capital needs for both utilities
 - Prior and future sewer rate "rollbacks" results in reduced capital funding
 - Alternative results in minimum reserves, deferred future capital, and reduced capital funding from rates
- Reflects overall financial policy goals
- Overall change in revenue may not equal change in customer bill
 Cost of service (proportional allocation) will provide bill impact

Cost of Service



Overview of the Water and Sewer Cost of Service

What is cost of service?

• Analysis to equitably allocate the revenue requirement to the customer classes of service

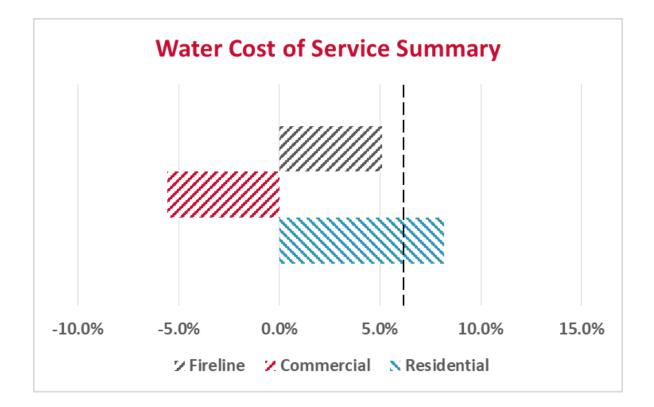
Why cost of service

- Generally accepted as "fair and equitable"
- Avoids subsidies
- Revenues reflect costs
- Meets the proportionality requirements of Proposition 218

Objectives of Cost of Service

- Determine if subsidies exist
- Develop average unit costs

Summary of the Water Cost of Service Analysis - 6% Revenue Adjustment



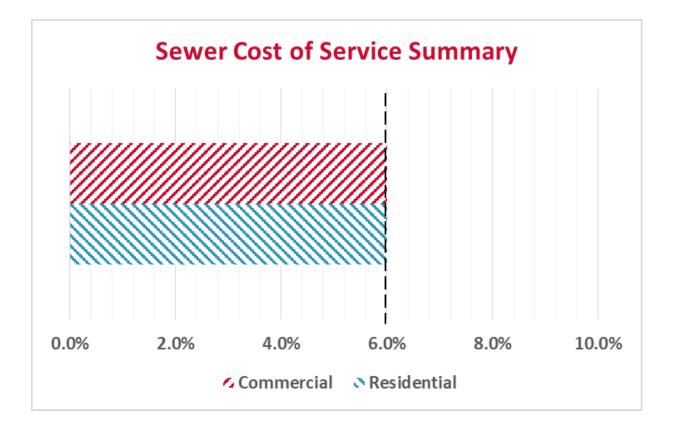
Additional / (Decreased) Revenue Generation

- Residential: \$374,000
- Commercial: -\$47,000
- Fireline: \$12,000
 System Total: \$339,000

Water Cost of Service Unit Costs

	Res – Tier 1	Res – Tier 2	Res – Tier 3	Res – Tier 4	Commercial	Fireline
Cost of Service						
Variable (\$/1,000)	\$2.97	\$3.88	\$5.59	\$11.05	\$4.20	\$0.00
Fixed (\$/month)				\$29.70		
Present Rates						
Variable (\$/1,000)	\$2.68	\$3.64	\$5.32	\$8.25	\$6.74	\$0.00
Fixed (\$/month)		\$74	.50		\$89.50	\$28.13

Summary of the Sewer Cost of Service Analysis - 6% Revenue Adjustment



Additional / (Decreased) Revenue Generation

- Residential: \$248,000
- Commercial: \$50,000 System Total: \$298,000

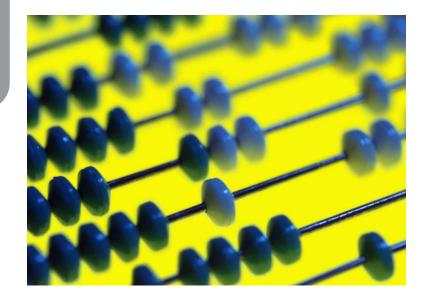
Sewer Cost of Service Unit Costs

	Cost \$ / EDU
Cost of Service	\$46.79
Present Rates	\$44.14

Summary of the Water and Sewer Cost of Service

- Cost differences exist for the water cost of service
 - Need to reflect recent legal decisions
 - $_{\rm O}$ Calculation of rates by tier and fixed charge
- Sewer cost of service is based on EDU calculation
 - Applied to commercial customers based on relationship of billing unit (seats, fixture unit, etc.) to 1 EDU
- Proposed rates are based on the unit costs as developed in the cost of service analysis
 - $_{\circ}$ Meet the requirement of Proposition 218

Rate Design



Overview of the Water Rate Designs

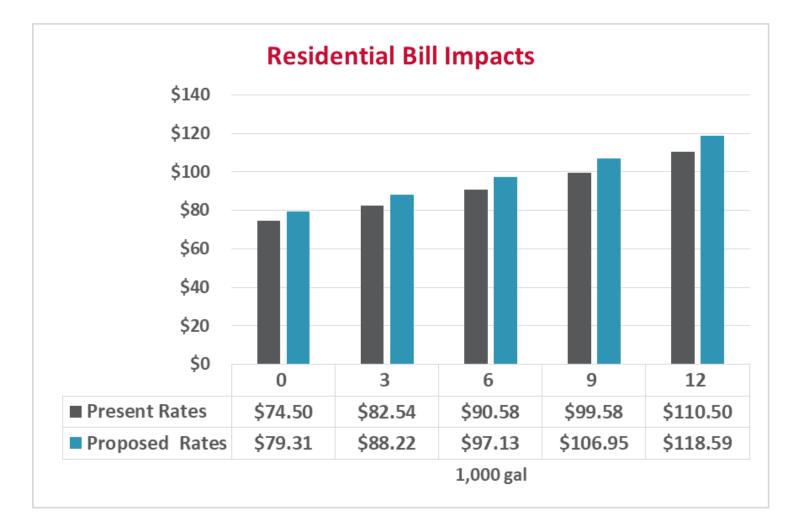
- Maintained the current customer classes of service
 Residential, commercial, fireline
- Maintained the current rate structures
 - $_{\odot}$ No changes to the tier sizes
 - $_{\rm O}$ Tier pricing is based on cost of service unit costs
 - Fixed (meter charge) is based on cost of service unit costs
 - $_{\rm O}$ All customer charged the same meter rate by meter size
- Timberland customers are billed at proposed system rates
- Madden Creek and Tahoe Cedars customers transition to system rates

Alternative 1 – transition by year 5 of study (7 years from acquisition)
 Alternative 2 – transition in year 8 (10 years from acquisition)

Present and Proposed Residential Water Rates

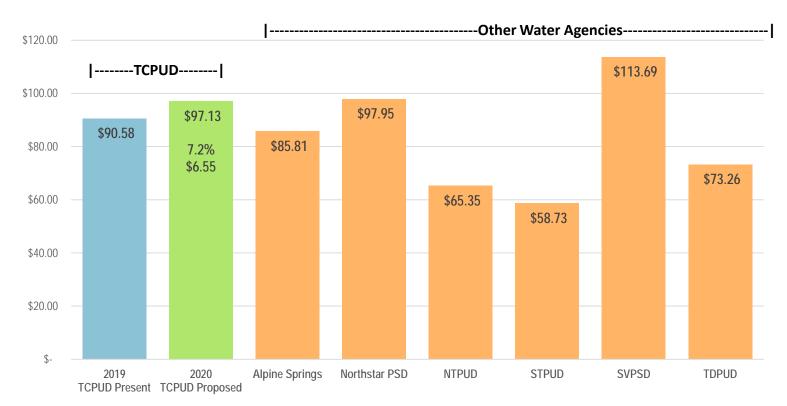
	Present	resent Proposed					
	Rates	2020	2021	2022	2023	2024	
Base Charge							
3/4"	\$74.50	\$79.31	\$82.48	\$85.78	\$89.21	\$92.78	
1"	112.25	132.45	137.74	143.25	148.98	154.94	
1 1/4"	145.00	198.28	206.20	214.45	223.02	231.95	
1 1/2"	172.25	264.10	274.66	285.65	297.07	308.96	
2"	232.00	422.72	439.62	457.21	475.49	494.52	
3"	350.75	793.10	824.80	857.80	892.10	927.80	
4"	462.00	1,322.10	1,374.94	1,429.95	1,487.13	1,546.64	
6"	693.50	2,643.40	2,749.06	2,859.05	2,973.37	3,092.36	
8"		4,229.60	4,398.66	4,574.65	4,757.57	4,947.96	
Unmetered	\$93.10	\$97.13	\$101.02	\$105.04	\$109.25	\$113.60	
Consumption							
0 - 8,000 gal	\$2.68	\$2.97	\$3.09	\$3.21	\$3.34	\$3.47	
8,000 - 20,000 gal	3.64	3.88	4.04	4.19	4.36	4.53	
20,000 - 40,000 gal	5.32	5.59	5.82	6.04	6.29	6.53	
40,000 + gal	8.25	8.75	9.10	9.46	9.84	10.23	

Present and Proposed Year 1 Residential Water Rates



Residential Water Bills Comparison to Other Water Agencies

TCPUD Residential Average Monthly Bill Comparison



(based on 6,000 gallons avg. monthly consumption)

Present and Proposed Commercial Water Rates

	Present			Proposed		
	Rates	2020	2021	2022	2023	2024
Base Charge						
3/4"	\$89.50	\$79.31	\$82.48	\$85.78	\$89.21	\$92.78
1"	143.25	132.45	137.74	143.25	148.98	154.94
1 1/4"	173.75	198.28	206.20	214.45	223.02	231.95
1 1/2"	208.75	264.10	274.66	285.65	297.07	308.96
2"	279.50	422.72	439.62	457.21	475.49	494.52
3"	418.75	793.10	824.80	857.80	892.10	927.80
4"	553.75	1,322.10	1,374.94	1,429.95	1,487.13	1,546.64
6"	829.75	2,643.40	2,749.06	2,859.05	2,973.37	3,092.36
8"	1,110.50	4,229.60	4,398.66	4,574.65	4,757.57	4,947.96
Consumption						
All Usage	\$6.74	\$4.20	\$4.37	\$4.54	\$4.72	\$4.91

Alternative Commercial Fixed Charge Transition

	Present			Proposed								
	Rates	2020	2021	2022	2023	2024						
Base Charge												
3/4"	\$89.50	\$92.78	\$92.78	\$92.78	\$92.78	\$92.78						
1"	\$143.25	\$152.16	\$154.94	\$154.94	\$154.94	\$154.94						
1 1/4"	\$173.75	\$200.40	\$210.61	\$219.89	\$227.31	\$231.95						
1 1/2"	\$208.75	\$269.06	\$279.27	\$290.40	\$299.68	\$308.96						
2"	\$279.50	\$417.51	\$445.34	\$473.18	\$491.73	\$494.52						
3"	\$418.75	\$695.85	\$732.96	\$788.63	\$858.22	\$927.80						
4"	553.75	1,066.97	1,182.95	1,298.92	1,414.90	1,546.64						
6"	829.75	2,164.56	2,303.73	2,489.29	2,739.79	3,092.36						
8"	1,110.50	3,092.36	3,463.48	3,927.38	4,391.28	4,947.96						
Consumption												
All Usage	\$6.74	\$4.20	\$4.37	\$4.54	\$4.72	\$4.91						

Present and Proposed Fire Service Charges

		Present			Proposed		
		Rates	2020	2021	2022	2023	2024
3/4"	3/4" Domestic or Commercial Service	\$74.50	\$79.31	\$82.48	\$85.78	\$89.21	\$92.78
5/4	3/4" Private Fire Protection Service	\$28.13	\$29.70	\$30.89	\$32.13	\$33.42	\$34.76
	CFS - 3/4"	\$102.63	\$109.01	\$113.37	\$117.91	\$122.63	\$127.54
1"	3/4" Domestic or Commercial Service	\$74.50	\$79.31	\$82.48	\$85.78	\$89.21	\$92.78
Ŧ	1" Private Fire Protection	\$37.50 	\$39.60	\$41.19 	\$42.84 	\$44.56 	\$46.35
	CFS - 1"	\$112.00	\$118.91	\$123.67	\$128.62	\$133.77	\$139.13
1.5"	1" Domestic or Commercial Service	\$112.25	\$132.45	\$137.74	\$143.25	\$148.98	\$154.94
2.0	1.5" Private Fire Protection	\$56.25 	\$70.40 	\$73.23 	\$76.16	\$79.21 	\$82.40
	CFS - 1.5"	\$168.50	\$202.85	\$210.97	\$219.41	\$228.19	\$237.34
2"	1" Domestic or Commercial Service	\$112.25	\$132.45	\$137.74	\$143.25	\$148.98	\$154.94
Z	2" Private Fire Protection	\$75.00	\$93.87	\$97.64	\$101.55	\$105.61	\$109.87
	CFS - 2"	\$187.25	\$226.32	\$235.38	\$244.80	\$254.59	\$264.81
> 2"	Service Classification Size Determined by District	TBD	TBD	TBD	TBD	TBD	TBD

Proposed Flat Rates Madden Creek

	Present	resent Proposed									
	Rates	2020	2021	2022	2023	2024	2025	2026	2027		
Proposed Unmetered	\$93.10	\$97.13	\$101.02	\$105.04	\$109.25	\$113.60	\$117.57	\$121.71	\$125.97		
7-Year Transition	Property	/ Tax = \$2	250,000				Propert	y Tax = \$5	00,000		
Unmetered		64.88	74.65	85.82	98.76	113.60					
Year Round SFR	56.39										
Seasonal SFR	41.9										
Yr Round SFR +2nd Unit	88.71										
10-Year Transition											
Unmetered		\$62.36	\$68.90	\$76.15	\$84.12	\$93.15	\$102.87	\$113.80	\$125.97		
Year Round SFR	\$56.39										
Seasonal SFR	\$41.90										
Yr Round SFR +2nd Unit	\$88.71										

* Metered rate would also be transitioned for Madden Creek customers

****** New connections would pay current TCPUD adopted rates

Proposed Flat Rates Tahoe Cedars

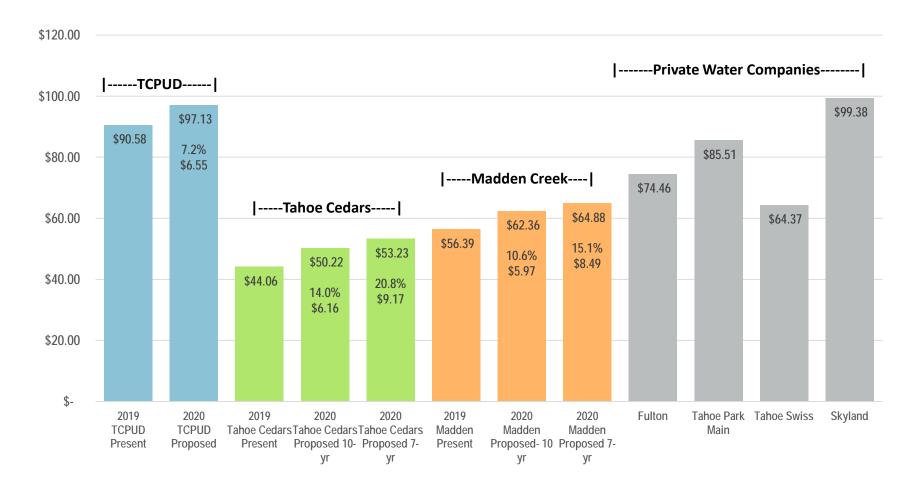
	Present	sent Proposed								
	Rates	2020	2021	2022	2023	2024	2025	2026	2027	
Proposed Unmetered	\$93.10	\$97.13	\$101.02	\$105.04	\$109.25	\$113.60	\$117.57	\$121.71	\$125.97	
7-Year Transition		Property	/ Tax = \$2	.0 Million		F	Property 1	Tax = \$3.5	Million	
Unmetered		53.23	64.35	77.73	93.96	113.60				
Year Round SFR	44.06									
Seasonal SFR	40.97									
Yr Round SFR +2nd Unit	71.99									
Yr Round SFR +2 Unit	99.92									
10-Year Transition										
Unmetered		\$50.22	\$57.28	\$65.33	\$74.51	\$84.97	\$97.00	\$110.76	\$125.97	
Year Round SFR	\$44.06									
Seasonal SFR	\$40.97									
Yr Round SFR +2nd Unit	\$71.99									
Yr Round SFR +2 Unit	\$99.92									

* Metered rate would also be transitioned for Tahoe Cedars customers

****** New connections would pay current TCPUD adopted rates

Compare TCPUD, Tahoe Cedars and Madden Creek Unmetered Rate To Private Water Companies

Tahoe Cedars & Madden Creek - Transition Rates Compare Residential Year Round Flat Rate to Private Water Companies



Proposed Metered Rates Madden Creek – 7-Year Transition (2018 – 2024)

	Present			Proposed		
	Rates	2020	2021	2022	2023	2024
Base Charge						
3/4"	\$26.61	\$52.98	\$60.95	\$70.08	\$80.65	\$92.78
1"	44.36	88.48	101.79	117.04	134.68	154.94
1 1/4"		132.45	152.38	175.21	201.61	231.95
1 1/2"	53.23	176.42	202.97	233.38	268.55	308.96
2"	70.97	282.38	324.88	373.54	429.84	494.52
3"		529.79	609.53	700.82	806.46	927.80
4"	212.92	883.16	1,016.08	1,168.27	1,344.37	1,546.64
6"		1,765.79	2,031.56	2,335.84	2,687.93	3,092.36
8"		2,825.37	3,250.61	3,737.49	4,300.84	4,947.96
Consumption						
All Usage	\$2.56					
0 - 8,000 gal		\$1.98	\$2.28	\$2.62	\$3.02	\$3.47
8,000 - 20,000 gal		2.59	2.99	3.42	3.94	4.53
20,000 - 40,000 gal		3.73	4.30	4.93	5.69	6.53
40,000 + gal		5.85	6.72	7.73	8.90	10.23

Proposed Metered Rates Tahoe Cedars– 7-Year Transition (2018 – 2024)

	Present			Proposed		
	Rates	2020	2021	2022	2023	2024
Base Charge						
3/4"	\$35.28	\$43.46	\$52.54	\$63.48	\$76.72	\$92.78
1"	54.88	72.58	87.74	106.01	128.12	154.94
1 1/4"		108.66	131.35	158.69	191.80	231.95
1 1/2"		144.73	174.96	211.38	255.48	308.96
2"	105.93	231.65	280.04	338.34	408.92	494.52
3"		434.62	525.40	634.77	767.21	927.80
4"	248.01	724.51	875.84	1,058.16	1,278.93	1,546.64
6"		1,448.58	1,751.15	2,115.70	2,557.10	3,092.36
8"		2,317.82	2,801.95	3,385.24	4,091.51	4,947.96
Consumption						
All Usage	\$2.66					
0 - 8,000 gal		\$1.63	\$1.97	\$2.38	\$2.87	\$3.47
8,000 - 20,000 gal		2.13	2.57	3.10	3.75	4.53
20,000 - 40,000 gal		3.06	3.71	4.47	5.41	6.53
40,000 + gal		4.80	5.80	7.00	8.46	10.23

Proposed Metered Rates Madden Creek – 10-Year Transition (2018 – 2027)

	Present				Prop	osed			
	Rates	2020	2021	2022	2023	2024	2025	2026	2027
Base Charge									
3/4"	\$26.61	\$50.92	\$56.25	\$62.19	\$68.69	\$76.08	\$84.03	\$92.93	\$102.87
1"	44.36	85.03	93.94	103.86	114.71	127.05	140.32	155.19	171.79
1 1/4"		127.30	140.63	155.48	171.73	190.20	210.07	232.33	257.18
1 1/2"		169.55	187.32	207.10	228.74	253.35	279.81	309.46	342.56
2"	70.97	271.39	299.82	331.48	366.13	405.51	447.86	495.32	548.30
3"		509.17	562.51	621.91	686.92	760.80	840.26	929.30	1,028.70
4"	212.92	848.79	937.71	1,036.71	1,145.09	1,268.24	1,400.72	1,549.14	1,714.84
6"		1,697.06	1,874.86	2,072.81	2,289.49	2,535.74	2,800.60	3,097.35	3,428.66
8"		2,715.40	2,999.89	3,316.62	3,663.33	4,057.33	4,481.12	4,955.94	5,486.06
Consumption									
All Usage	\$2.56								
0 - 8,000 gal		\$1.91	\$2.11	\$2.33	\$2.57	\$2.85	\$3.14	\$3.48	\$3.85
8,000 - 20,000 gal		2.49	2.76	3.04	3.36	3.71	4.10	4.54	5.03
20,000 - 40,000 gal		3.59	3.97	4.38	4.84	5.35	5.92	6.55	7.25
40,000 + gal		5.62	6.21	6.86	7.58	8.39	9.27	10.25	11.34

Proposed Metered Rates Tahoe Cedars– 10-Year Transition (2018 – 2027)

	Present				Prop	osed			
	Rates	2020	2021	2022	2023	2024	2025	2026	2027
Base Charge									
3/4"	\$35.28	\$41.00	\$46.77	\$53.36	\$60.84	\$69.40	\$79.22	\$90.44	\$102.87
1"	54.88	68.48	78.10	89.10	101.60	115.90	132.31	151.04	171.79
1 1/4"		102.51	116.92	133.39	152.10	173.50	198.07	226.12	257.18
1 1/2"		136.54	155.73	177.67	202.60	231.10	263.82	301.18	342.56
2"	105.93	218.55	249.26	284.38	324.28	369.90	422.27	482.07	548.30
3"		410.03	467.66	533.55	608.41	693.99	792.25	904.45	1,028.70
4"	248.01	683.53	779.59	889.43	1,014.22	1,156.89	1,320.68	1,507.72	1,714.84
6"		1,366.64	1,558.72	1,778.33	2,027.84	2,313.09	2,640.56	3,014.53	3,428.66
8"		2,186.70	2,494.04	2,845.43	3,244.66	3,701.07	4,225.06	4,823.43	5,486.06
Consumption									
All Usage	\$2.66								
0 - 8,000 gal		\$1.54	\$1.75	\$2.00	\$2.28	\$2.60	\$2.96	\$3.39	\$3.85
8,000 - 20,000 gal		1.54	2.29	2.61	2.97	3.39	3.87	4.42	5.03
20,000 - 40,000 gal		1.54	3.30	3.76	4.29	4.88	5.58	6.37	7.25
40,000 + gal		1.54	5.16	5.88	6.71	7.65	8.74	9.97	11.34

Overview of the Sewer Rate Designs

- Maintained the current customer classes of service
 - Residential
 - Commercial by customer type
- Maintained the current rate structures
 - $_{\rm O}$ Charged per EDU

Present and Proposed Sewer Rates

	Present	Proposed Rates								
	Rates	2020	2021	2022	2023	2024				
Base Charge - 6% A	nnual Adj.									
Residential	\$44.14	\$46.79	\$49.60	\$52.58	\$55.73	\$59.07				
Base Charge - 3% A	nnual Adj.									
Residential	\$44.14	\$45.46	\$46.83	\$48.23	\$49.68	\$51.17				

Present and Proposed Sewer Rates (cont.) (6% annually)

	Present					
	Rates	2020	2021	2022	2023	2024
on-Residential Rates						
Motel W/O Kitchen	\$17.96	\$19.04	\$20.18	\$21.39	\$22.67	\$24.03
Motel W/Kitchen	19.14	20.29	21.51	22.80	24.17	25.62
Seating - Per 1/2 Seat	1.23	1.30	1.38	1.46	1.55	1.64
Seating - Per Seat	2.46	2.61	2.76	2.93	3.11	3.30
Laundry - Per Machine	8.98	9.52	10.09	10.70	11.34	12.02
Hotel W/Kitchen	17.96	19.04	20.18	21.39	22.67	24.03
Hotel W/O Kitchen	11.33	12.01	12.73	13.49	14.30	15.16
Campsite W/Sewer	22.26	23.60	25.01	26.51	28.10	29.79
Campsite W/O Sewer	19.14	20.29	21.51	22.80	24.17	25.62
Snackbar	66.34	70.32	74.54	79.01	83.75	88.78
Service Station	66.34	70.32	74.54	79.01	83.75	88.78
Beauty / Barber Shop (Per Chai	23.92	25.36	26.88	28.49	30.20	32.01
Theatre	132.61	140.57	149.01	157.95	167.43	177.48
Boat Pump	66.34	70.32	74.54	79.01	83.75	88.78
Standby Sewer Service	8.69	9.21	9.76	10.35	10.97	11.63
Food Service Estab Lic	29.40	31.17	33.03	35.01	37.11	39.34
Backwash (Pool/Spa Filters)	22.26	23.60	25.01	26.51	28.10	29.79
Unclassified Sewer	44.14	46.79	49.60	52.58	55.73	59.07
Unclassified Sewer W/O Kitche	17.96	19.04	20.18	21.39	22.67	24.03
.5 Sewer Unit (1-10 Fixtures)	22.26	23.60	25.01	26.51	28.10	29.79
1.0 Sewer Unit (11-20 Fixtures)	44.14	46.79	49.60	52.58	55.73	59.07
Comm'Cl Non-Rest < 1,000 Sq F	44.14	46.79	49.60	52.58	55.73	59.07
Comm'Cl Non-Rest > 1,000 Sq F	22.26	23.60	25.01	26.51	28.10	29.79
Pro-Rated Sewer Charge	1.21	1.28	1.36	1.44	1.53	1.62

General Fund – Available Property Tax Revenue

- District (Board) has the authority to utilize property tax revenues at their discretion
- Historically property tax revenues have funded, and are expected to continue to fund:

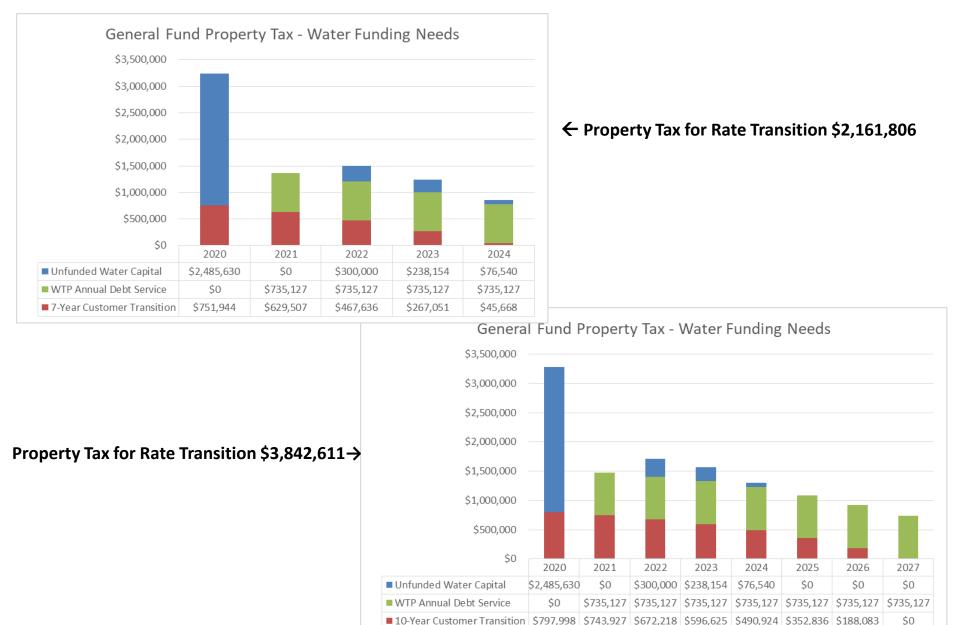
 $_{\odot}$ Parks, recreation, and golf course/WSP property O&M expenses

Annual debt service (water and sewer)

- Study has identified unfunded capital improvements for the water utility based on target revenue adjustments
- Study has assumed property tax revenues will fund

 WTP annual debt service
 - o Transition recently acquired customers (systems) to District rate levels
- Further Board direction is necessary to confirm the use of property tax revenues for these purposes during the LTFP update

Annual General Fund Property Tax – Water Needs



Board Direction

- Overall revenue goal
- Proposed rates
- Transition time period for Tahoe Cedars / Madden Creek
- 4th tier residential rate
- Commercial fixed charge approach
- WTP debt service funding
- Timing of next steps

Next Steps

- Gain direction from the Board on the study results
- Finalize the water and sewer technical analyses
- Present findings and recommendations
- Targeting August Board meeting to set public hearing and mail customer notification
- Public outreach meetings
- Public Hearing October Board Meeting
- Adopt proposed rates at November Board Meeting
 - (if no majority protest)

Discussion

