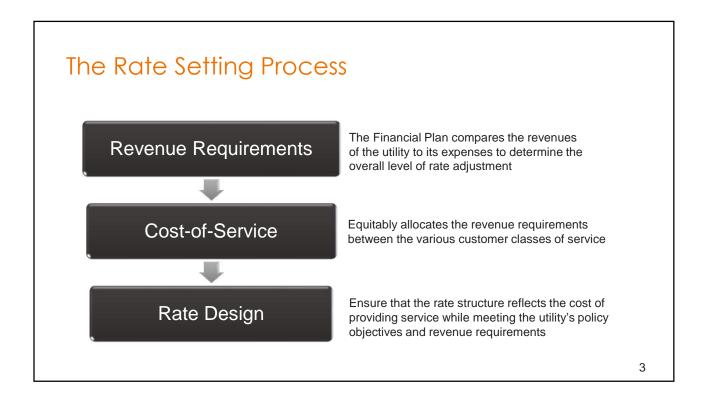
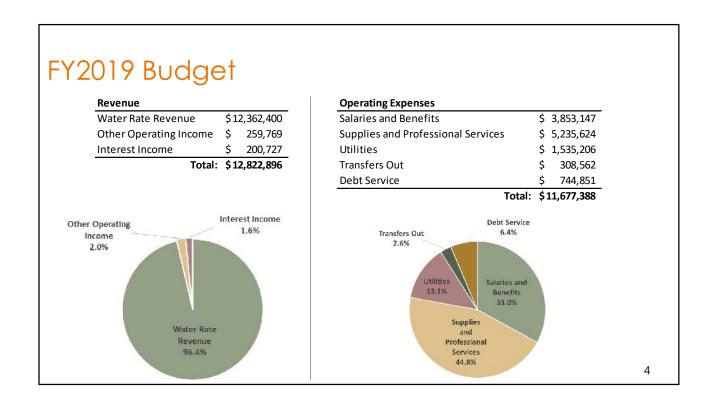




Agenda

- 1. Financial Plan Results
- 2. Cost of Service & Rate Design Recommendations
- 3. Miscellaneous Rates
- 4. Capital Facility Charges
- 5. Next Steps





Reserve Policies

1. Operating Reserve

< 6 month of operating budget

2. Capital Improvement Reserve

\$5M ~ equal to value of vulnerable assets

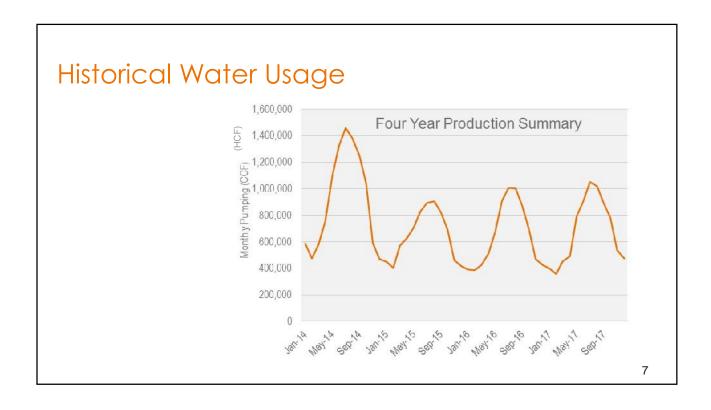
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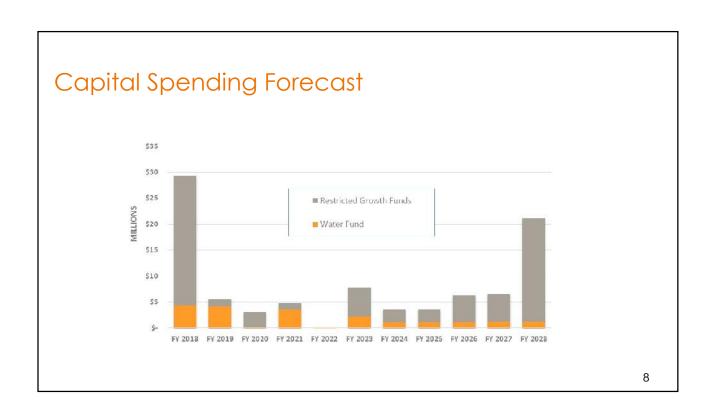
Financial Planning Assumptions

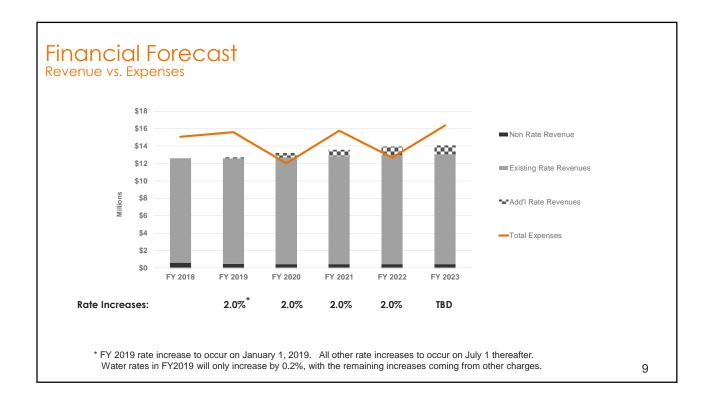
Growth = 1%

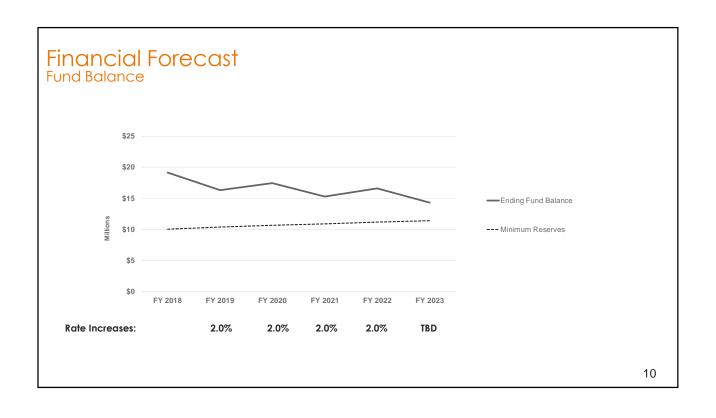
Cost Inflation (5-Year Average)

- Salaries = 1.9%
- Benefits = 5.5%
- All other categories = 3.0%









Water Rate Study

Cost of Service & Rate Design



System Background

Customers: 23,196 Accounts

- 19,906 "Residential"
- 1,584 Apartments (multifamily)
- 1,140 Commercial
- 134 Public
- 432 Irrigation

Source: Groundwater Wells **Treatment**: Wellhead Treatment

Customer Classes

"Retail" Customers (all customers)

+ Outside City Customers

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Current Rate Design

Base Monthly Charge:

- Based on meter size
- Includes water allocation (30 to 50 HCF)

Volumetric Rate (metered water):

• Uniform rate

(No customer classes)

Rate Design Considerations

#1 - Cost basis (Prop 218 compliance)

And...

- A. Equitability
- B. Revenue Stability
- C. Affordability
- D. Conservation Signal
- E. Simplicity

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Rate Design Elements

- 1. Fixed revenue vs. variable revenue
 - Allocation of peaking costs to Base Charge or Volumetric Charge
- 2. Water Allocation (Water included in the Base Monthly Charge)
 - Examined 30 HCF, 20 HCF, and 10 HCF
- 3. Meter Equivalency Schedule
 - (see next page)

Rate Design Elements Meter Equivalency

Meter Equivalency Schedule

Meter Size	Existing Ratio	Meter Equivalence ⁽¹⁾
3/4"	1.0	1.0
1"	1.0	1.0
1 1/2"	1.4	2.0
2"	1.9	3.2
3"	2.2	6.4
4"	2.6	10.0
6"	3.1	20.0
8"	4.4	32.0
10"	5.7	48.0
12"	7.1	67.5

(1) Source: AWWA M1 Manual, 6th Ed.

Water Allocation

Current (HCF)	Proposed (HCF)	
30	20	
30	20	
40	40	
50	64	
50	128	
50	200	
50	400	
50	640	
50	960	
50	1,350	

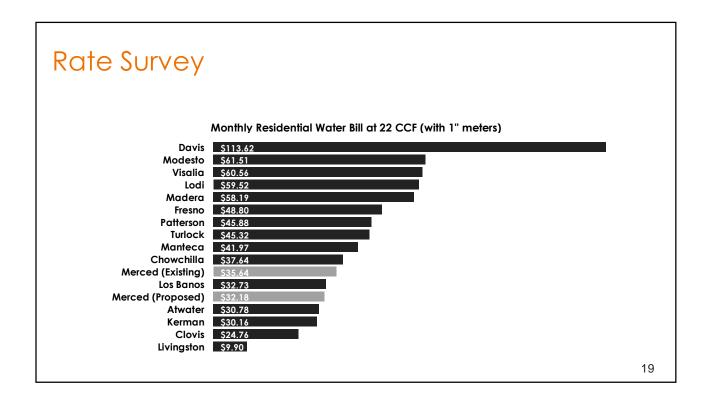
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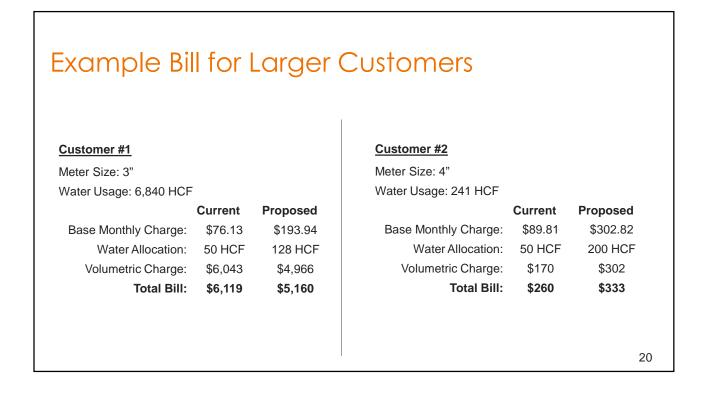
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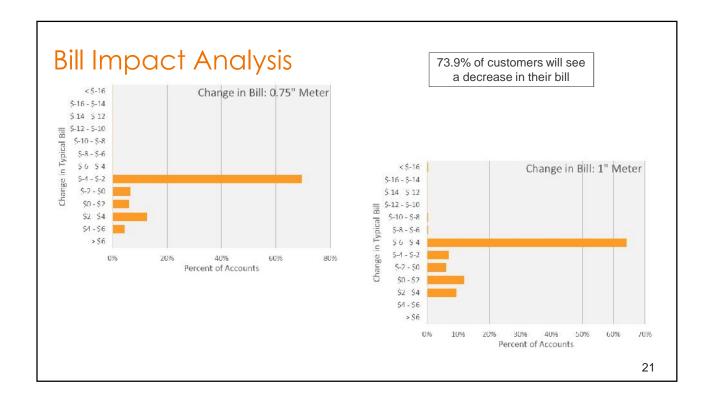
Proposed Rates

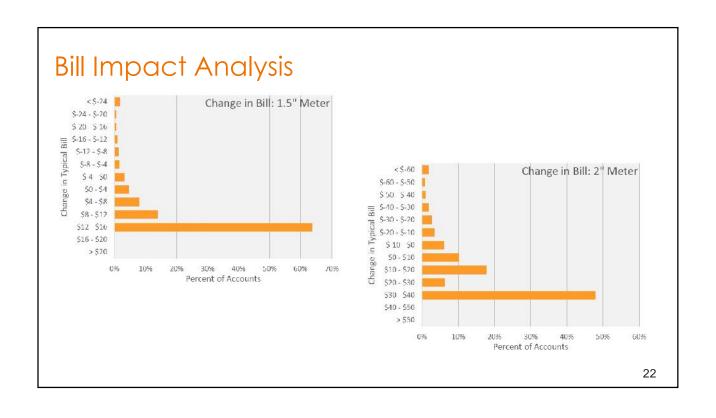
Water Allocation: (3/4" meter)	30 HCF	20 HCF	
		tric Rate	
	\$0.89	\$0.74	
Meter Size	Base Monthl	y Charge	
3/4"	\$34.24	\$30.70	
1"	\$35.64	\$30.70	
1 ½"	\$47.52	\$60.94	
2"	\$65.50	\$97.22	
3"	\$76.13	\$193.97	
4"	\$89.81	\$302.82	
6"	\$104.99	\$605.17	
8"	\$150.58	\$967.99	
10"	\$196.12	\$1,451.75	
12"	\$241.42	\$2,041.33	
Meter Bills (examples))		
22 HCF usage:	\$34.24	\$32.18	
44 HCF usage:	\$46.70	\$48.46	
Fixed Revenue:	77.1%	78.7%	

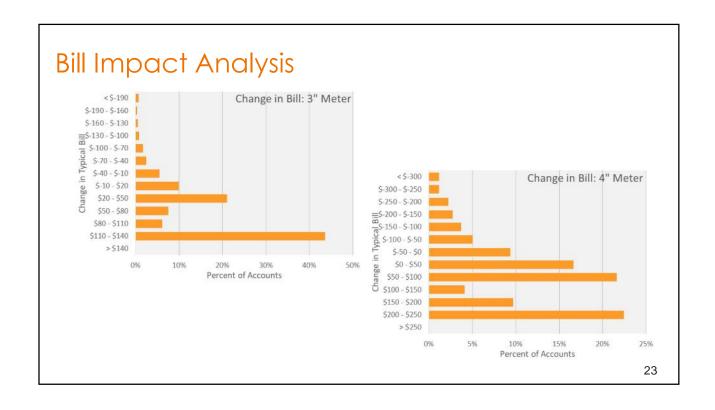
Current Proposed

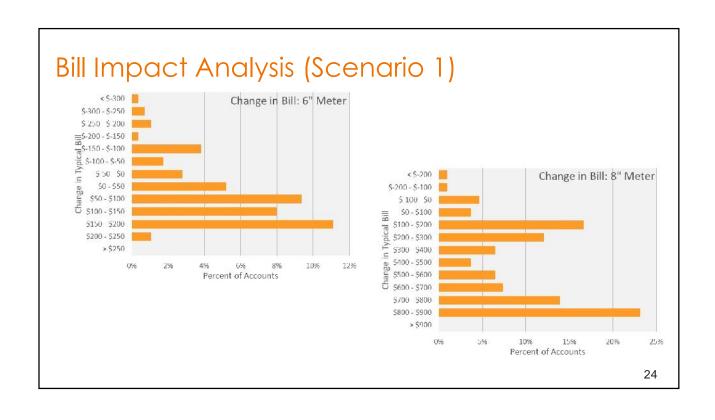


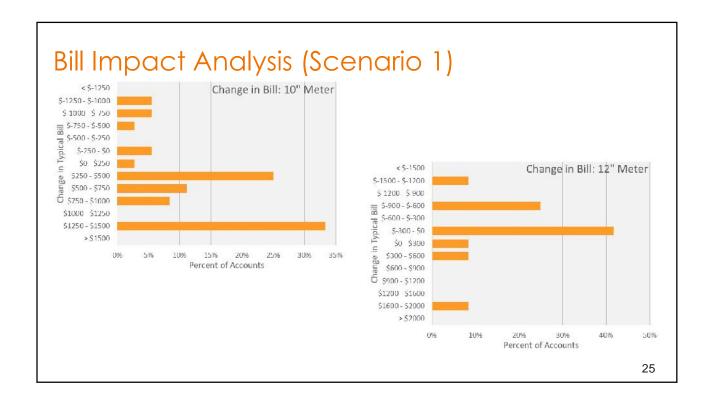


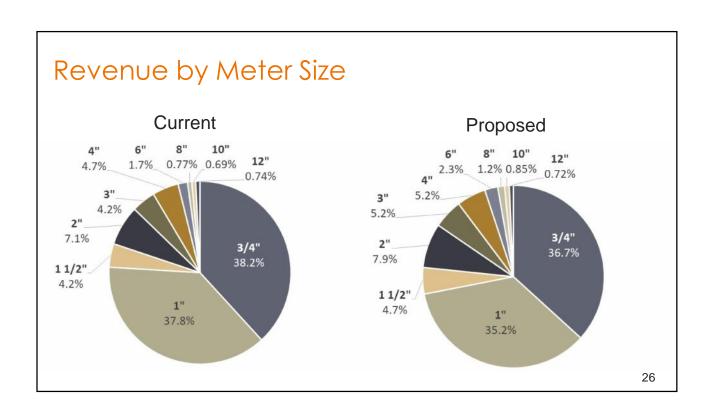












Drought Surcharge

- Rate schedule to be implemented in the event of a Stage 3 drought (as declared by City Council)
- Assume a 20% reduction in water usage

	Current	Proposed	With Surcharge
	,	VOLUMETRIC RAT	E
	\$0.89	\$0.74	\$0.99
Meter Size	BAS	SE MONTHLY CHA	RGE
3/4"	\$34.24	\$30.70	\$31.40
1"	\$35.64	\$30.70	\$31.40
1 ½"	\$47.52	\$60.94	\$62.33
2"	\$65.50	\$97.22	\$99.45
3"	\$76.13	\$193.97	\$198.43
4"	\$89.81	\$302.82	\$309.78
6"	\$104.99	\$605.17	\$619.09
8"	\$150.58	\$967.99	\$990.26
10"	\$196.12	\$1,451.75	\$1,485.16
12"	\$241.42	\$2,041.33	\$2,088.31
¾" Meter Bil	ls (examples)		
22 HCF:	\$34.24	\$32.18	\$33.38
44 HCF:	\$46.70	\$48.46	\$55.16

Outside Customer Charge

Utility-Basis Approach*

- Quantifies the risk factors associated with delivering services to customer outside City boundaries
- Based on an acceptable rate of return based on the weighted cost of capital (3.5%)
- Fiscal impact: \$60,000

Meter Size	Monthly Charge		
3/4"	\$5.51		
1"	\$5.51		
1 1/2"	\$11.03		
2"	\$17.64		
3"	\$35.28		
4"	\$55.13		
6"	\$110.25		
8"	\$176.40		

* As outline by AWWA's M1 Manual

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Backflow Program

Total Program Costs:

✓ Labor: \$234K

√ Vehicle depreciation: \$16K

Total number of units: 2,383

Proposed Monthly Charge: \$8.75 **Current Monthly Charge:** \$5.00

Increase: 75%

Fiscal impact: \$120,000

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Private Fire

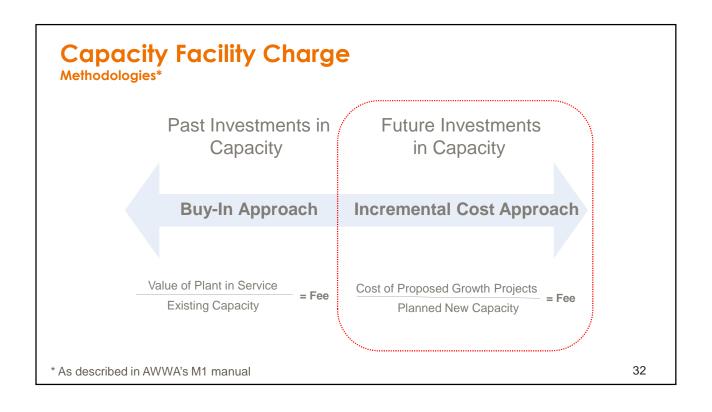
Current Revenue: \$86,400 Proposed Revenue: \$124,100

Size of Connection	Demand (1) Factor	Proposed Monthly Charge	Current Monthly Charge	Number of Accounts
2"	6.19	\$1.36	na	0
3"	17.98	\$3.96	na	0
4"	38.32	\$8.44	\$17.54	48
6"	111.31	\$24.53	\$20.47	95
8"	237.21	\$52.28	\$29.24	104
10"	426.58	\$94.01	\$38.01	11
12"	689.04	\$151.85	\$60.66	2
Fire Hydrant	68.91	\$15.19	\$19.83	

Based on AWWA's practice of estimating the relative flow through pressure conduits as the diameter raised to power of 2.63.

Major Assumption: Assumes that system is sized to handle two simultaneous fire events at 1,500 gpm for 2 hours in the same pressure zone





Capital Facility Charges

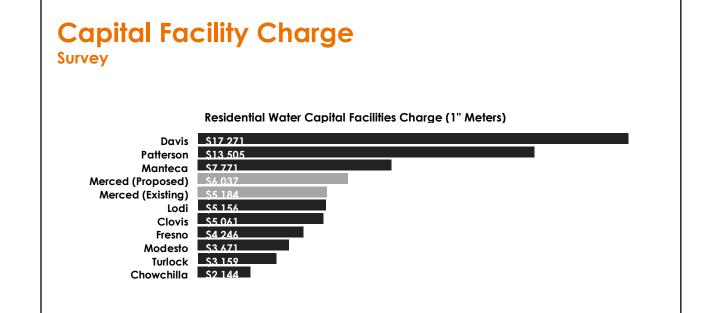
Proposed

Meter Sizes	Current Scaling Factors	Current Capital Facilities Charge	AWWA Scaling Factor ¹	Proposed Capital Facilities Charge	Percent Increase
1"	1.0	\$5,184	1.0	\$6,037	16.5%
1.5"	2.0	\$10,368	2.0	\$12,074	16.5%
2"	3.2	\$16,588	3.2	\$19,318	16.5%
3"	6.4	\$33,178	6.4	\$38,637	16.5%
4"	10.0	\$51,841	10.0	\$60,370	16.5%
6"	20.0	\$103,681	20.0	\$120,740	16.5%
8"	32.0	\$165,892	32.0	\$193,184	16.5%
10"	50.0	\$259,205	84.0	\$507,108	95.6%
12"	(na)	(na)	106.0	\$639,922	(na)

¹ **Source:** Table VII.2-5, AWWA M1 Principles of Water Rates, Fees, and Charges (indexed to a minimum meter size of 1-inch)

Private Fire Connection Charge - Accounts with fire flow requirements that are higher than the basic requirement (1,500 gpm for 2 hours) will be charged proportionately higher in increments of 1" Meter charges.

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NEXT STEPS Direct staff to issue Prop 218 Notice Public Hearing