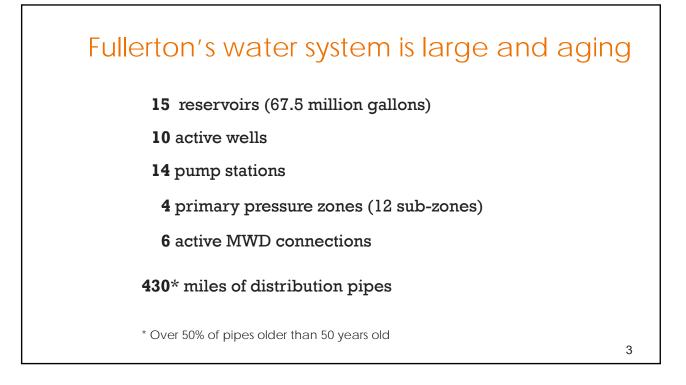
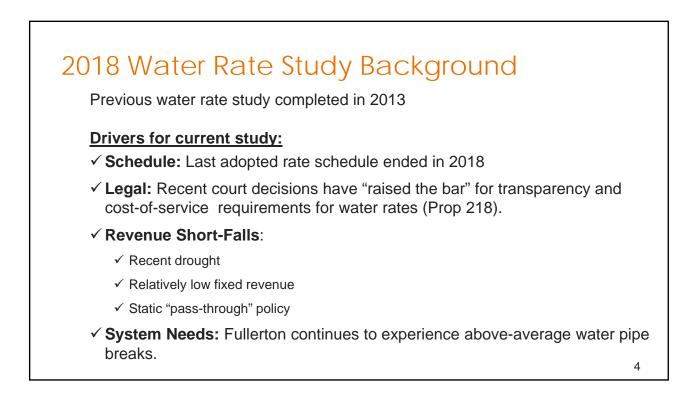


Agenda

- 1) Study Background
- 2) Proposed Rate Structure Adjustments & Impacts
- 3) Financial Plan
- 4) Proposed Rate Increases

2







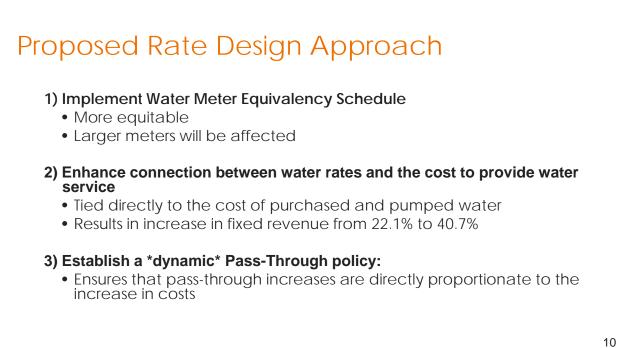
Water Rate Ad Hoc Committee

- The Rate Study Ad-Hoc Committee is made up of 6 at-large members from the Energy and Resource Management Committee (ERMC) and the Citizens Infrastructure Review Committee (CIRC).
- The Ad Hoc Committee was formed to actively participate in:
 - Reviewing and providing input to proposed water rate structure changes and rate increases.
 - Representing not only ratepayers but also owners of the water system.



| Existing | Proposed | | | | | | | | |
|--------------------------------------|---|-----------------|---------|--|--|--|--|--|--|
| Classification | Classification | <u>Acco</u> | unts | | | | | | |
| Single Family Residential | Single Family Residential | 26,392 | 85.0% | | | | | | |
| Multifamily Residential | Multifamily Residential | 1,913 | 6.2% | | | | | | |
| Commercial | Commercial | 1,974 | 6.4% | | | | | | |
| Industrial | Industrial | 115 | 0.4% | | | | | | |
| • Fire Line* | Agricultural | 2 | 0.01% | | | | | | |
| Temporary Water* | Landscape | 399 | 1.3% | | | | | | |
| Municipal | Municipal | 257 | 0.9% | | | | | | |
| Agricultural | | | | | | | | | |
| Residential/Agricultural | | | | | | | | | |
| Residential Landscape | | | | | | | | | |
| Single Family with Fire Sprinkler | | | | | | | | | |
| Multifamily with Manual Rubbish | * Excluded from Proposed list. Not part of typical cu | istomer and usa | ae base | | | | | | |

| ed Meter Ch Based on me | 0 | | er Usage | Rates: family and n | nulti-family |
|----------------------------|-------------------------|------|-----------------------|---|---|
| | evenue (relatively low) | | | nt Tiered Rates Re | 3 |
| Meter Size | Monthly Rate | Tier | Rate (per TGAL) | Monthly Allocation* (Single Family) | Monthly Allocation* (Multi-Family) (per unit) |
| 5/8" & 3/4" | \$14.78 | 1 | \$3.213 | 7,500 gal. | 4,000 gal. |
| 1" | \$17.74 | 2 | \$3.510 | 12,500 gal. | 6,000 gal. |
| 1 1/2" | \$32.52 | 3 | \$3.799 | (na) | (na) |
| 2" | \$45.82 | | | | |
| 3" | \$79.81 | Lini | form water i | isage rates for | all other custome |
| 4" | \$113.81 | 011 | onn water t | usage rates for | |
| 6" | \$180.32 | Cor | nmercial: | \$3.075 / TG | AL |
| 8" | \$302.99 | | ustrial: | \$3.130 / TG | |
| 10" | \$441.92 | | nicipal: | \$2.440 / TG \$3.403 / TG | |
| 12" | (na) | • | icultural: dscape: | \$3.403 / TG \$3.767 / TG | |



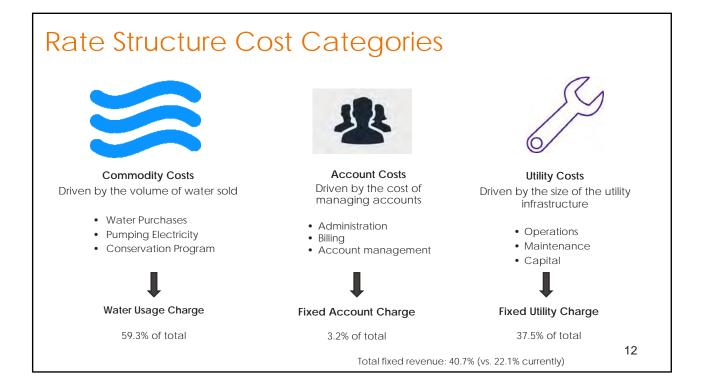
11

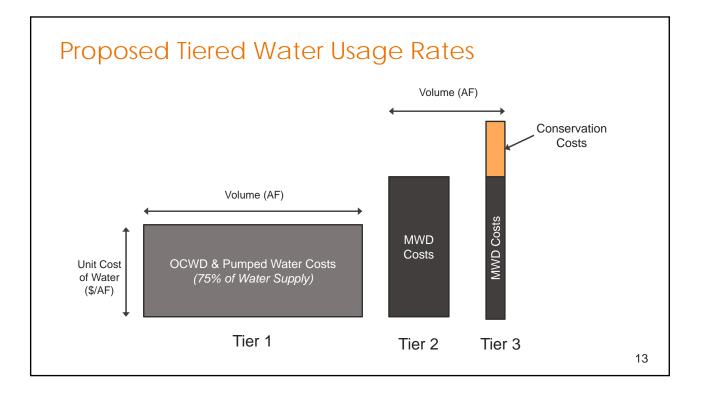
Establish Water Meter Equivalency Schedule

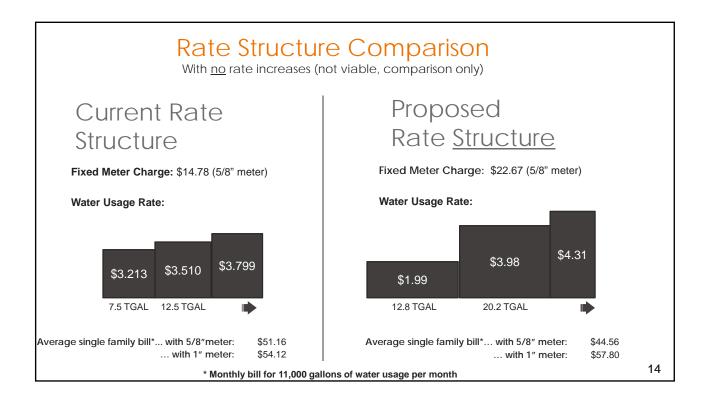
| Meter Size | Existing Ratio | Proposed Equivalency Schedule ⁽¹⁾ | Rated flow in gallons per minute |
|----------------------------|-------------------|--|----------------------------------|
| 5/8" & 3/4" ⁽²⁾ | 1.00 | 1.00 | 30 |
| 1" | 1.20 | 1.67 | 50 |
| 1 1/2" | 2.20 | 3.33 | 100 |
| 2" | 3.10 | 5.33 | 160 |
| 3" | 5.40 | 10.67 | 320 |
| 4" | 7.70 | 16.67 | 500 |
| 6" | 12.20 | 33.33 | 1,000 |
| 8" | 20.50 | 53.33 | 1,600 |
| 10" | 29.90 | 80.00 | 2,400 |
| 12" | 47.60 | 112.50 | 3,375 |

(1) Source: Table B-1, Appendix B, AWWA M1 Manual, 7th Ed.

(2) Combined per the City's historical practice and common industry practice





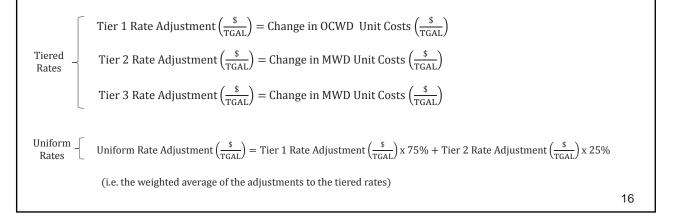


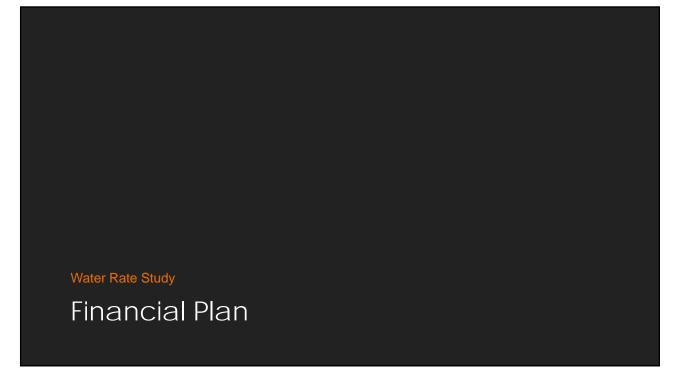
| Pro | pos | sed R | ate Stru | cture (n | 0 | rate | incre | ases) | | |
|----------|------------|----------------|--------------------------|-------------------|-------|--------------------|--|---|----------|----|
| | | | | | | Curre | nt Tiered Rates | Residential | | |
| Fixe | d Mete | er Charge | 2: | | Tier | Rate (per TGAL) | Monthly Allocation* (Single Family | Monthly Allocation* (Multi-Family)) (per unit) | | |
| | | Current | Restructured | | 1 | \$3.213 | 7,500 gal. | 4,000 gal. | | |
| N | lotor | | | | 2 | \$3.510 | 12,500 gal. | 6,000 gal. | | |
| | | Monthly | Monthly | | 3 | \$3.799 | (na) | (na) | | |
| | Size | Rate | Rate | | 1 | | | | 1 | |
| 5/8 | 3" & 3/4" | \$14.78 | \$22.67 | | | Restruct | ured Tiered Rate | | | |
| | 1" | \$17.74 | \$35.91 | | Tier | Rate | Monthly Allocation* | Monthly Allocation* (Multi-Family) | | |
| 1 | 1 1/2" | \$32.52 | \$69.03 | | Tier | (per TGAL) | (Single Family | | | |
| | 2" | \$45.82 | \$108.76 | | 1 | \$1.99 | 12,800 gal. | 5,100 gal. | | |
| | 3" | \$79.81 | \$214.72 | | 2 | \$3.98 | 20,200 gal. | 6,700 gal. | | |
| | 4" | \$113.81 | \$333.93 | | 3 | \$4.31 | (na) | (na) | | |
| | 6" | \$180.32 | \$665.06 | Unifo | orm ' | Water Us | age Rates | for all other cus | stomers: | |
| | - | ' | | Rest | uctu | red: \$2.50 |) / TGAL | | | |
| | 8" | \$302.99 | \$1,062.41 | | | | | | | |
| | 10" | \$441.92 | \$1,592.22 | Curre | ent: | Comme | rcial: \$3. | 075 / TGAL | | |
| | 12" | (na) | \$2,237.92 | | | Industria | al: \$3. | 130 / TGAL | | |
| | | | | | | Municipa | al: \$2. | 440 / TGAL | | |
| | | | | | | Agricultu | ural: \$3. | 403 / TGAL | | |
| * Тиго и | month hill | ing ovelos: do | uble the tier allocation | por billing ovelo | | Landsca | ape: \$3. | 767 / TGAL | | 15 |



Recommendations:

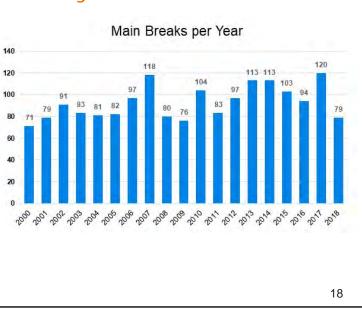
- Adopt a pass-through policy that dynamically responds to *actual* changes in water supply costs
- Increase transparency in the pass-through process

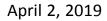




Water Main Break History

- Over 50% of pipelines are older than 50 years old (past the expected useful life)
- Highest rate of water main breaks in Orange County
- Water main breaks disrupt service to all customers
 - Repair shutdowns can affect over 1,000
 customers for 5 8 hours
 - Unsettling to residential customers
 - Economic impact on businesses
- Repair of failed pipes is significantly more expensive than "proactive" repair of aging pipes
- Water main break costs range from \$5,000 to \$20,000 (or more) per event.

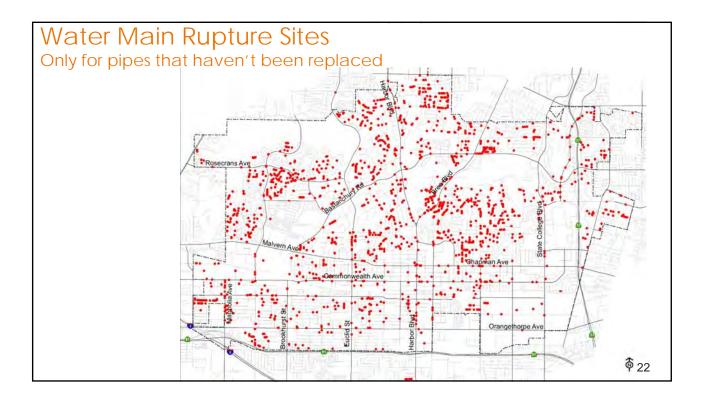


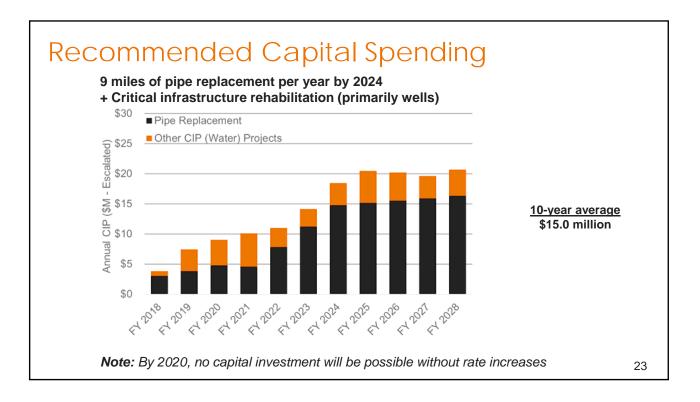


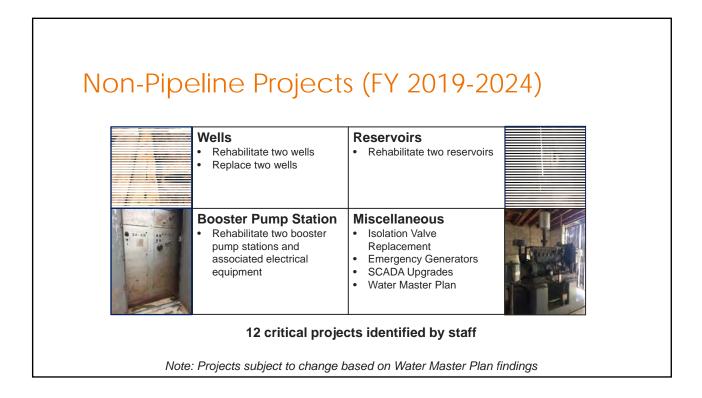


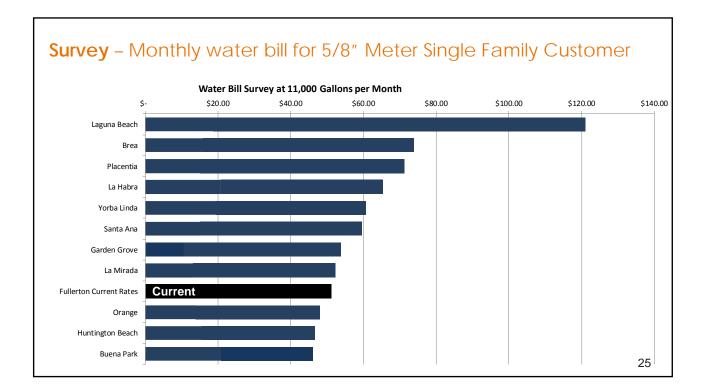


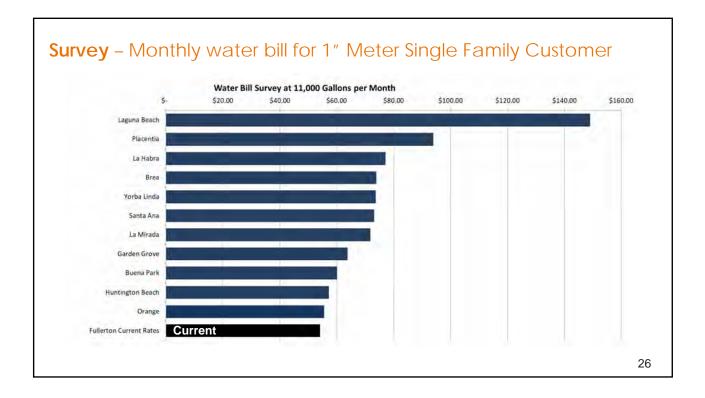




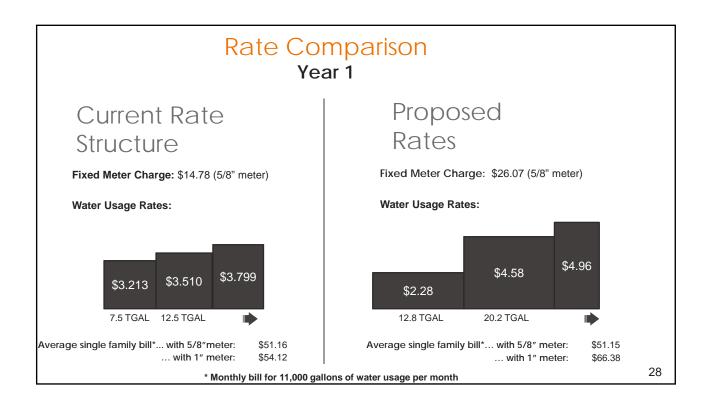




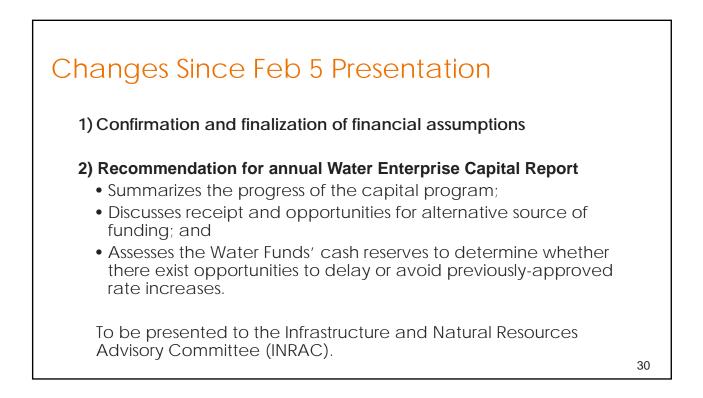


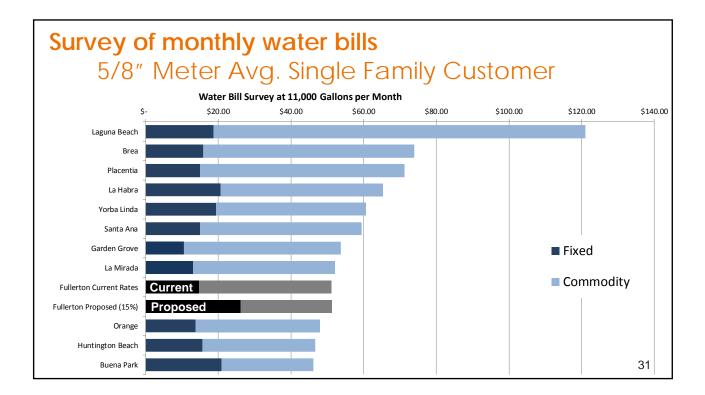


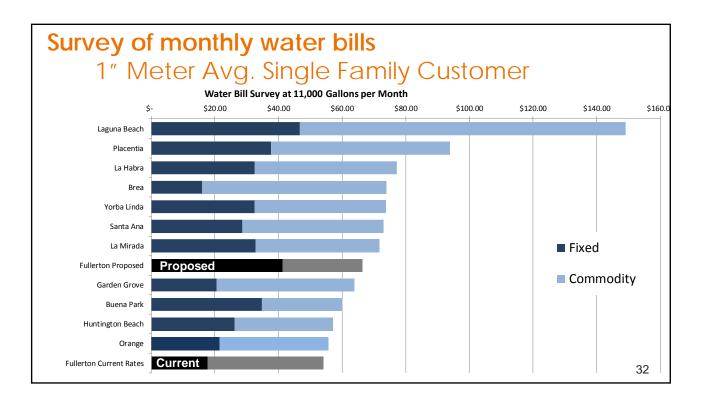
| | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | |
|---|--------------------|-------------------|-------------------|----------------|------------------|--|
| Rate Revenue: Increase (%) ^{**} | \$37.9 M 15.0% | \$41.2 M 14.0% | \$45.7 M 11.0% | \$48 M 5.0% | \$49.9 M 4.0% | And inflationary increases forecast thereafter |
| Typical Residential Monthly <u>M</u> | <u>/ater</u> Bill* | | | | | |
| Based on proposed rates: ** | \$51.15 | \$58.31 | \$64.73 | \$67.96 | \$70.68 | |

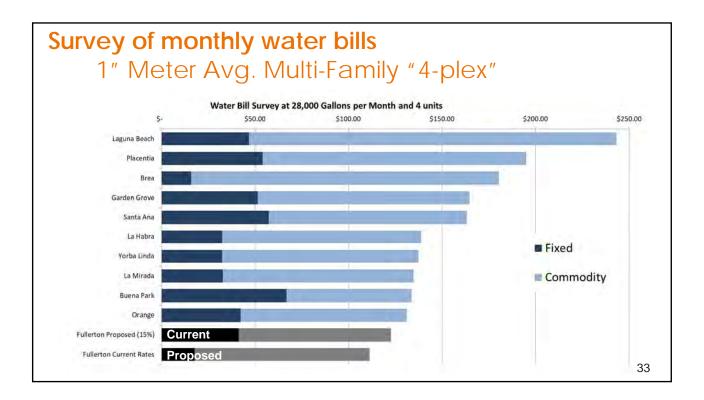


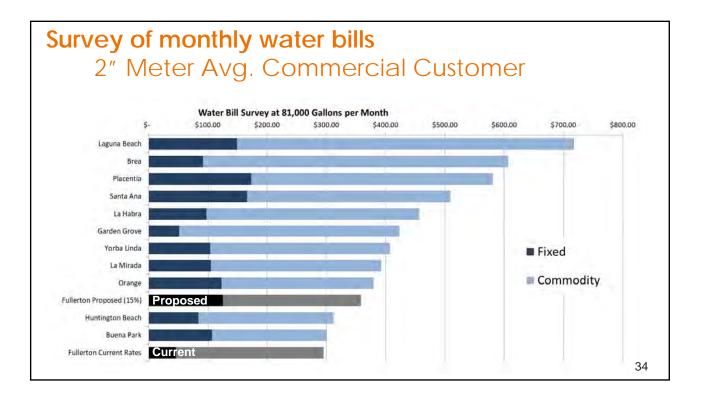
| Propo | osed | Rates i | n Year 1 | |
|---------------|--------------------|-------------------------|--|----|
| | | | Current Tiered Rates Residential | |
| Fixed Me | ter Charge | 2: | Rate Monthly Monthly Allocation* Tier (per TGAL) (Single Family) (per unit) | |
| | Current | Proposed | 1 \$3.213 7,500 gal. 4,000 gal. | |
| Matan | | | 2 \$3.510 12,500 gal. 6,000 gal. | |
| Meter | Monthly | Monthly | 3 \$3.799 (na) (na) | |
| Size | Rate | Rate | | |
| 5/8" | \$14.78 | \$26.07 | Restructured Tiered Rates Residential | |
| 1" | \$17.74 | \$41.30 | Rate Monthly Monthly Allocation* Tier Allocation* (Multi-Family) | |
| 1 1/2" | \$32.52 | \$79.39 | (per TGAL) (Single Family) (per unit) | |
| 2" | \$45.82 | \$125.08 | 1 \$2.28 12,800 gal. 5,100 gal. | |
| | • | • | 2 \$4.58 20,200 gal. 6,700 gal. | |
| 3" | \$79.81 | \$246.95 | 3 \$4.96 (na) (na) | |
| 4" | \$113.81 | \$384.04 | Uniform Water Usage Rates for all other customers: | |
| 6" | \$180.32 | \$764.86 | Proposed: \$2.88 / TGAL | |
| 8" | \$302.99 | \$1,221.84 | | |
| 10" | \$441.92 | \$1,831.15 | Current: Commercial: \$3.075 / TGAL | |
| 12" | | | Industrial: \$3.130 / TGAL | |
| 12 | (na) | \$2,573.75 | Municipal: \$2.440 / TGAL | |
| | | | Agricultural: \$3.403 / TGAL | 29 |
| * Two month b | illing cycles; dou | ble the tier allocation | per billing cycle Landscape: \$3.767 / TGAL | 23 |

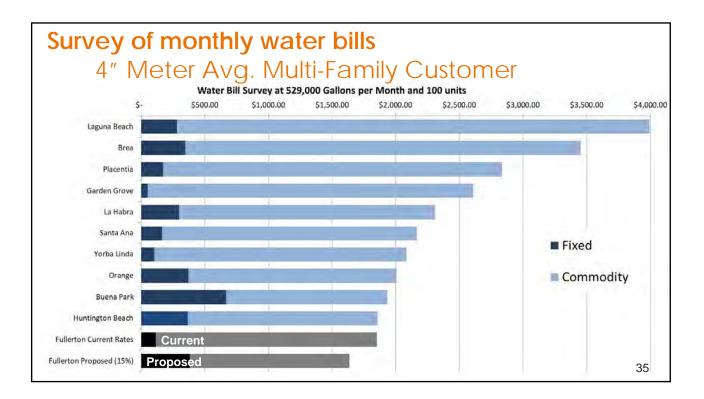


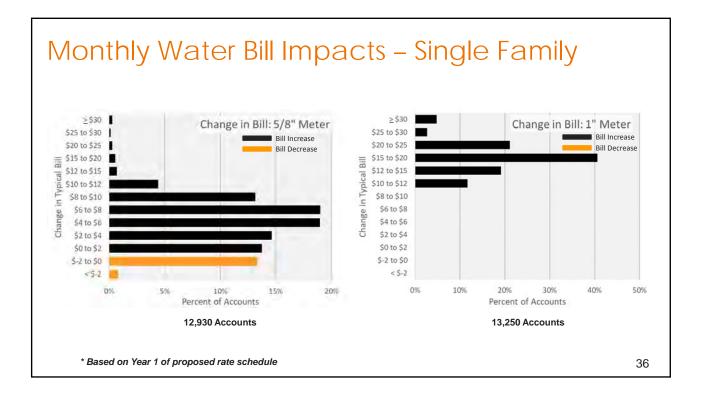


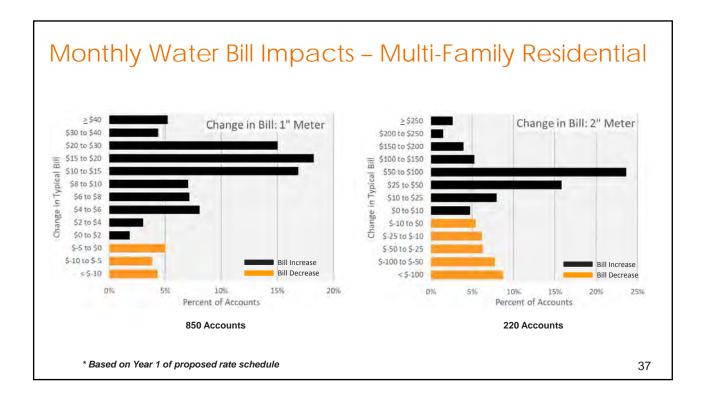


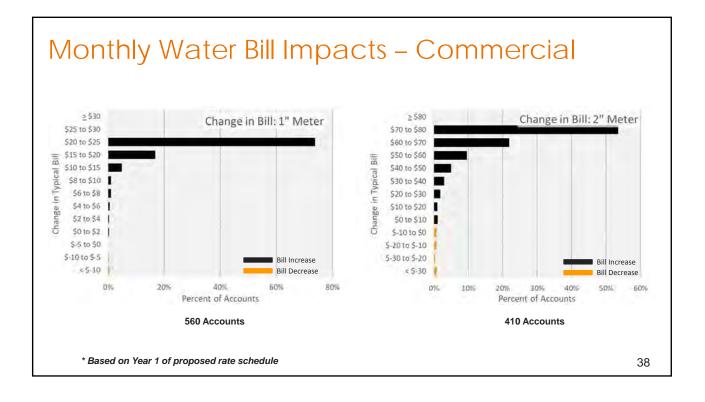












| | | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
|--------------------------------|-----------------|----------|----------|----------|----------|----------|
| Proposed ger | neral increase: | | 14% | 11% | 5% | 4% |
| Single Family Residential 5/8" | Current | Proposed | | 11/0 | 070 | .,,, |
| Low Volume 5 TGAL/mo | \$30.85 | \$37.47 | \$42.72 | \$47.41 | \$49.79 | \$51.78 |
| (with Pass-Through Example) | | \$37.47 | \$43.22 | \$48.41 | \$51.29 | \$53.78 |
| Increase over current rates: | | \$6.63 | \$12.37 | \$17.57 | \$20.44 | \$22.93 |
| Average Volume 11 TGAL/mo | \$51.16 | \$51.15 | \$58.31 | \$64.73 | \$67.96 | \$70.68 |
| (with Pass-Through Example) | | \$51.15 | \$59.41 | \$66.93 | \$71.26 | \$75.08 |
| Increase over current rates: | | (\$0.01) | \$8.25 | \$15.76 | \$20.10 | \$23.92 |
| High Volume 80 TGAL/mo | \$310.69 | \$380.89 | \$434.21 | \$481.98 | \$506.08 | \$526.32 |
| (with Pass-Through Example) | | \$380.89 | \$445.57 | \$504.70 | \$540.16 | \$571.76 |
| Increase over current rates: | | \$70.20 | \$134.88 | \$194.01 | \$229.46 | \$261.07 |
| Single Family Residential 1" | Current | Proposed | | | | |
| Low Volume 5 TGAL/mo | \$33.81 | \$52.70 | \$60.08 | \$66.69 | \$70.02 | \$72.82 |
| (with Pass-Through Example) | | \$52.70 | \$60.58 | \$67.69 | \$71.52 | \$74.82 |
| Increase over current rates: | | \$18.90 | \$26.77 | \$33.88 | \$37.72 | \$41.02 |
| Average Volume 11 TGAL/mo | \$54.12 | \$66.38 | \$75.67 | \$84.00 | \$88.20 | \$91.72 |
| (with Pass-Through Example) | | \$66.38 | \$76.77 | \$86.20 | \$91.50 | \$96.12 |
| Increase over current rates: | | \$12.26 | \$22.65 | \$32.07 | \$37.37 | \$42.00 |
| High Volume 80 TGAL/mo | \$313.65 | \$396.12 | \$451.58 | \$501.25 | \$526.31 | \$547.37 |
| (with Pass-Through Example) | | \$396.12 | \$462.94 | \$523.97 | \$560.39 | \$592.81 |
| Increase over current rates: | | \$82.47 | \$149.28 | \$210.32 | \$246.74 | \$279.15 |

Monthly Water Bill Projections - Multi-Family

| | | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 |
|--|-----------------|----------------|------------|------------|------------|------------|
| Proposed gene | ral increase: | 15% | 14% | 11% | 5% | 4% |
| Iultifamily Residential | Current | Proposed | | | | |
| Average Vol 31.8 TGAL/mo w. 1" meter & 5 Units | \$123.42 | \$128.29 | \$146.26 | \$162.34 | \$170.46 | \$177.28 |
| Bill per Housing Unit | \$24.68 | \$25.66 | \$29.25 | \$32.47 | \$34.09 | \$35.46 |
| (with Pass-Through Example) | | \$128.29 | \$149.75 | \$169.33 | \$180.95 | \$191.26 |
| Increase over current rates: | | \$4.88 | \$26.33 | \$45.92 | \$57.53 | \$67.84 |
| Average Vol 148.5 TGAL/mo w. 2" meter & 30 Units | \$531.42 | \$463.66 | \$528.57 | \$586.72 | \$616.05 | \$640.69 |
| Bill per Housing Unit | \$17.71 | \$15.46 | \$17.62 | \$19.56 | \$20.54 | \$21.36 |
| (with Pass-Through Example) | | \$463.66 | \$543.42 | \$616.42 | \$660.60 | \$700.09 |
| Increase over current rates: | | (\$67.76) | \$12.01 | \$85.00 | \$129.19 | \$168.68 |
| Average Vol 529.1 TGAL/mo w. 4" meter & 100 Units | \$1,852.15 | \$1,634.32 | \$1,863.12 | \$2,068.07 | \$2,171.47 | \$2,258.33 |
| Bill per Housing Unit | \$18.52 | \$16.34 | \$18.63 | \$20.68 | \$21.71 | \$22.58 |
| (with Pass-Through Example) | | \$1,634.32 | \$1,916.99 | \$2,175.80 | \$2,333.06 | \$2,473.79 |
| Increase over current rates: | | (\$217.83) | \$64.84 | \$323.64 | \$480.91 | \$621.64 |
| Average Vol 414 TGAL/mo w. 6" meter & 115 Units | \$1,510.50 | \$1,708.78 | \$1,948.01 | \$2,162.29 | \$2,270.40 | \$2,361.22 |
| Bill per Housing Unit | \$13.13 | \$14.86 | \$16.94 | \$18.80 | \$19.74 | \$20.53 |
| (with Pass-Through Example) | | \$1,708.78 | \$1,989.41 | \$2,245.09 | \$2,394.60 | \$2,526.82 |
| Increase over current rates: | | \$198.28 | \$478.91 | \$734.59 | \$884.10 | \$1,016.32 |
| Pass-Through Cost Assumption Annual OCWD Increase = \$ Annual MWD Increase = \$(| \$0.10 / TGAL i | increase per y | | | | |

Annual MWD Increase = \$0.15/ TGAL increase per year

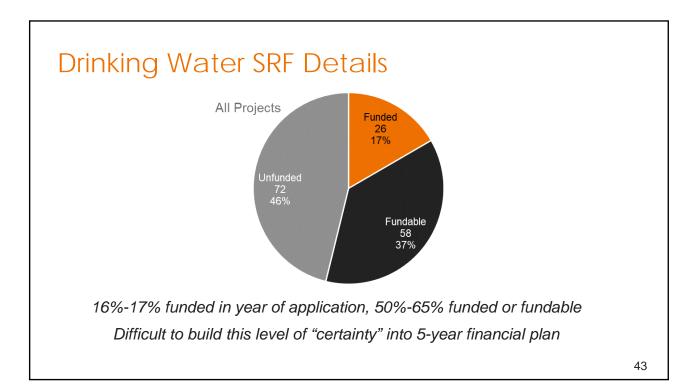
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Monthly Water Bill Projections - Commercial

| Commercial 2" Current Proposed Low Volume 20 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$107.32 \$182.68 \$208.26 \$231.16 \$242.72 \$252.4 (with Pass-Through Example) Increase over current rates: \$75.36 \$103.19 \$128.34 \$142.15 \$154.1 Average Volume 81 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$294.90 \$358.36 \$408.53 \$453.47 \$476.14 \$495.1 High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$989.08 \$1,127.55 \$1,251.58 \$1,314.16 \$1,366. (with Pass-Through Example) Increase over current rates: \$989.08 \$1,161.30 \$1,319.08 \$1,415.41 \$1,501. (with Pass-Through Example) Increase over current rates: \$989.08 \$1,161.30 \$1,319.08 \$1,415.41 \$1,501. (with Pass-Through Example) Increase over current rates: \$20.76 \$192.98 \$350.76 \$447.09 \$533.44 Commercial 4" Current Proposed \$20.76 \$192.98 \$350.76 \$447.09 \$555.33 Ave | Proposed genera | al increase: | 15% | 14% | 11% | 5% | 4% |
|--|---|--------------|------------|------------|------------|------------|------------|
| Low Volume 20 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$107.32 \$182.68 \$208.26 \$231.16 \$242.72 \$252.4 Increase over current rates: \$75.36 \$103.19 \$128.34 \$142.15 \$154.1 Average Volume 81 TGAL/mo & 2" Meter (with Pass-Through Example) \$294.90 \$358.36 \$408.53 \$453.47 \$476.14 \$495.1 Increase over current rates: \$294.90 \$358.36 \$408.53 \$453.47 \$476.14 \$495.1 Increase over current rates: \$294.90 \$358.36 \$408.53 \$453.47 \$176.80 \$208.58 \$233.76 High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) \$968.32 \$989.08 \$1,127.55 \$1,251.58 \$1,314.16 \$1,366. Increase over current rates: \$968.32 \$989.08 \$1,161.30 \$1,319.08 \$1,415.41 \$1,501. Increase over current rates: \$20.76 \$192.98 \$350.76 \$447.09 \$533.4 Commercial 4" Current Proposed \$20.76 \$192.98 \$350.40 \$892.92 \$928.67 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | | | |
| Increase over current rates: \$75.36 \$103.19 \$128.34 \$142.15 \$154.1 Average Volume 81 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$294.90 \$358.36 \$408.53 \$453.47 \$476.14 \$495.1 Increase over current rates: \$294.90 \$358.36 \$408.53 \$453.47 \$476.14 \$495.1 Increase over current rates: \$63.47 \$122.75 \$176.80 \$208.58 \$226.7 High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$989.08 \$1,127.55 \$1,251.58 \$1,314.16 \$1,366. Commercial 4" Current Proposed \$20.76 \$192.98 \$350.76 \$447.09 \$523.4 Low Volume 100 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$776.13 \$850.40 \$892.92 \$928.6 Average Volume 306.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,747.091 \$1,932.41 \$2,020.03 \$2,110. With Pass-Through Example) Increase over current rates: \$192.83 \$45 | Low Volume 20 TGAL/mo & 2" Meter | \$107.32 | <u> </u> | \$208.26 | \$231.16 | \$242.72 | \$252.43 |
| Average Volume 81 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$294.90 \$358.36 \$408.53 \$453.47 \$476.14 \$495.1 Increase over current rates: \$358.36 \$417.64 \$471.69 \$503.48 \$531.60 Increase over current rates: \$63.47 \$122.75 \$176.80 \$208.58 \$228.58 High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$989.08 \$1,112.755 \$1,251.58 \$1,314.16 \$1,366.52 Commercial 4" Current Proposed \$208.56 \$298.08 \$1,162.30 \$1,319.08 \$1,415.41 \$1,501. Low Volume 100 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$672.04 \$766.13 \$850.40 \$892.92 \$928.66 Average Volume 396.9 TGAL/mo & 4" Meter (with Pass-Through Example) \$1,334.28 \$1,527.11 \$1,782.55 \$2,021.71 \$2,162.98 \$2,218.8 Increase over current rates: \$192.83 \$451.28 \$687.43 \$828.70 \$924.67 With Pass-Through Example) \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 | (with Pass-Through Example) | | \$182.68 | \$210.51 | \$235.66 | \$249.47 | \$261.43 |
| (with Pass-Through Example) Increase over current rates: \$358.36 \$417.64 \$471.69 \$503.48 \$531.6 High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$968.32 \$989.08 \$1,127.55 \$1,251.58 \$1,314.16 \$1,366. Commercial 4" \$20.76 \$192.98 \$350.76 \$447.09 \$533.48 Commercial 4" Current Proposed \$477.69 \$892.92 \$928.66 (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$766.13 \$850.40 \$892.92 \$928.66 (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$766.13 \$850.40 \$892.92 \$928.67 Average Volume 306.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. \$1,527.11 \$1,785.56 \$2,021.71 \$2,162.98 \$2,288. \$2,288.70 \$954.5 Increase over current rates: \$4,726.31 \$4,704.04 \$5,351.36 \$6,289.99 \$6,550.12 \$6,500.12 \$6,500.12 \$6,500.12 \$6,500.12 \$6,500.12 | Increase over current rates: | | \$75.36 | \$103.19 | \$128.34 | \$142.15 | \$154.11 |
| Increase over current rates: \$63.47 \$122.75 \$176.80 \$208.58 \$236.75 High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$968.32 \$989.08 \$1,127.55 \$1,251.58 \$1,314.16 \$1,366. Commercial 4" \$20.76 \$192.98 \$350.76 \$447.09 \$533.47 Commercial 4" Current Proposed \$672.04 \$776.13 \$8850.40 \$892.92 \$928.66 (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$776.13 \$8872.90 \$926.67 \$973.6 Average Volume 306.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. (with Pass-Through Example) Increase over current rates: \$1,237.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. (with Pass-Through Example) Increase over current rates: \$192.83 \$4451.28 \$687.43 </td <td>Average Volume 81 TGAL/mo & 2" Meter</td> <td>\$294.90</td> <td>\$358.36</td> <td>\$408.53</td> <td>\$453.47</td> <td>\$476.14</td> <td>\$495.19</td> | Average Volume 81 TGAL/mo & 2" Meter | \$294.90 | \$358.36 | \$408.53 | \$453.47 | \$476.14 | \$495.19 |
| High Volume 300 TGAL/mo & 2" Meter (with Pass-Through Example) Increase over current rates: \$968.32 \$989.08 \$989.08 \$1,127.55 \$1,251.58 \$1,314.16 \$1,366. \$1,319.08 Commercial 4" Current \$100 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$776.13 \$850.40 \$892.92 \$928.67 Commercial 4" Current \$672.04 \$776.13 \$850.40 \$892.92 \$928.67 Average Volume 306.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. With Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,785.56 \$2,021.71 \$2,162.98 \$2,288. High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,362.61 \$5,952.49 \$6,250.12 \$6,500. High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,531.36 \$6,289.99 \$6,750.73 \$7,175. | (with Pass-Through Example) | | \$358.36 | \$417.64 | \$471.69 | \$503.48 | \$531.64 |
| (with Pass-Through Example) Increase over current rates: \$989.08 \$1,161.30 \$1,319.08 \$1,415.41 \$1,501. Commercial 4" Current Proposed \$192.98 \$350.76 \$447.09 \$533.4 Commercial 4" Current Proposed \$1000000000000000000000000000000000000 | Increase over current rates: | | \$63.47 | \$122.75 | \$176.80 | \$208.58 | \$236.74 |
| Increase over current rates: \$20.76 \$192.98 \$350.76 \$447.09 \$533.4 Commercial 4" Proposed Proposed State Stat | High Volume 300 TGAL/mo & 2" Meter | \$968.32 | \$989.08 | \$1,127.55 | \$1,251.58 | \$1,314.16 | \$1,366.73 |
| Commercial 4" Current Proposed Low Volume 100 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$776.13 \$850.40 \$892.92 \$928.6 Average Volume 396.9 TGAL/mo & 4" Meter (with Pass-Through Example) \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. Increase over current rates: \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. Increase over current rates: \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. Increase over current rates: \$192.83 \$451.28 \$687.43 \$828.70 \$954.5 High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,531.36 \$6,289.99 \$6,550.12 \$6,500. | (with Pass-Through Example) | | \$989.08 | \$1,161.30 | \$1,319.08 | \$1,415.41 | \$1,501.73 |
| Low Volume 100 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$421.31 \$672.04 \$776.13 \$850.40 \$892.92 \$928.6 Average Volume 396.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. (with Pass-Through Example) (with Pass-Through Example) \$1,334.28 \$1,527.11 \$1,785.56 \$2,021.71 \$2,162.98 \$2,288. Increase over current rates: \$192.83 \$451.28 \$827.92 \$954.5 \$954.5 High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,351.36 \$6,289.99 \$6,550.12 \$6,500.12 | Increase over current rates: | | \$20.76 | \$192.98 | \$350.76 | \$447.09 | \$533.41 |
| (with Pass-Through Example) Increase over current rates: \$672.04 \$777.38 \$872.90 \$926.67 \$973.6 Average Volume 396.9 T GAL/mo & 4" Meter (with Pass-Through Example) \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. Increase over current rates: \$1,527.11 \$1,785.56 \$2,021.71 \$2,162.03 \$2,110. (with Pass-Through Example) \$1,922.41 \$2,029.03 \$2,110. \$1,787.85 \$2,021.71 \$2,162.08 \$2,288. Increase over current rates: \$192.83 \$451.28 \$687.43 \$828.70 \$954.55 High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | Commercial 4" | Current | Proposed | | | | |
| Increase over current rates: \$250.73 \$356.07 \$451.59 \$505.36 \$552.3 Average Volume 396.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. Mith Pass-Through Example) Increase over current rates: \$1,928.3 \$451.28 \$687.43 \$828.70 \$954.55 High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,362.61 \$5,952.99 \$6,550.12 \$6,500.12 (with Pass-Through Example) \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | Low Volume 100 TGAL/mo & 4" Meter | \$421.31 | \$672.04 | \$766.13 | \$850.40 | \$892.92 | \$928.64 |
| Average Volume 396.9 TGAL/mo & 4" Meter (with Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,740.91 \$1,932.41 \$2,029.03 \$2,110. With Pass-Through Example) Increase over current rates: \$1,334.28 \$1,527.11 \$1,785.56 \$2,021.71 \$2,162.98 \$2,288. High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,362.61 \$5,952.49 \$6,250.12 \$6,500.12 (with Pass-Through Example) \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | (with Pass-Through Example) | | \$672.04 | \$777.38 | \$872.90 | \$926.67 | \$973.64 |
| (with Pass-Through Example) Increase over current rates: \$1,527.11 \$1,785.56 \$2,021.71 \$2,162.98 \$2,288. High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,362.61 \$5,952.49 \$6,250.12 \$6,500.12 (with Pass-Through Example) \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | Increase over current rates: | | \$250.73 | \$356.07 | \$451.59 | \$505.36 | \$552.33 |
| Increase over current rates: \$192.83 \$451.28 \$687.43 \$828.70 \$954.5 High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,704.04 \$5,362.61 \$5,952.49 \$6,250.12 \$6,500.1 (with Pass-Through Example) \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | Average Volume 396.9 TGAL/mo & 4" Meter | \$1,334.28 | \$1,527.11 | \$1,740.91 | \$1,932.41 | \$2,029.03 | \$2,110.19 |
| High Volume 1500 TGAL/mo & 4" Meter (with Pass-Through Example) \$4,726.31 \$4,704.04 \$5,362.61 \$5,952.49 \$6,250.12 \$6,500. \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | (with Pass-Through Example) | | \$1,527.11 | \$1,785.56 | \$2,021.71 | \$2,162.98 | \$2,288.79 |
| (with Pass-Through Example) \$4,704.04 \$5,531.36 \$6,289.99 \$6,756.37 \$7,175. | Increase over current rates: | | \$192.83 | \$451.28 | \$687.43 | \$828.70 | \$954.52 |
| | | \$4,726.31 | \$4,704.04 | \$5,362.61 | \$5,952.49 | \$6,250.12 | \$6,500.12 |
| Increase over current rates: (\$22.27) \$805.05 \$1,563.68 \$2,030.06 \$2,448.0 | High Volume 1500 TGAL/mo & 4" Meter | | 6470404 | \$5 531 36 | \$6,289.99 | \$6,756.37 | \$7,175.12 |
| | 3 • • • • • • • • • • • • • • | | \$4,704.04 | φ0,001.00 | | | |

Water Rate Study

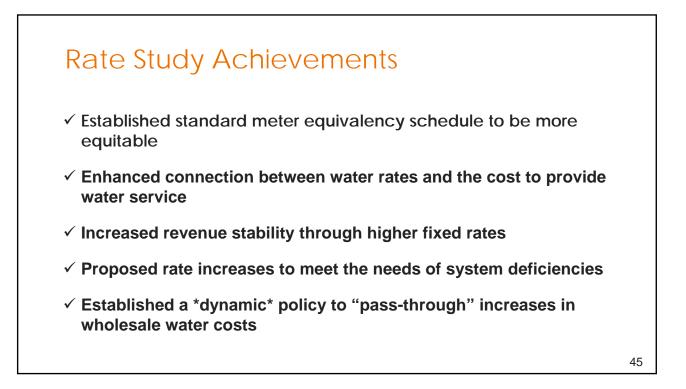
Discussion of State Revolving Fund Program



SRF Funding Scenarios

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | Cumulative |
|---|-------|--------|--------|------|------|------|------|------------|
| No Debt: Proposed Cash Funded Scenario | 15.0% | 14.0% | 11.0% | 5.0% | 4.0% | 2.5% | 2.5% | 67% |
| SRF Loan (\$M) | - | - | - | - | - | - | - | - |
| Low Debt: SRF Funding 2021 Well | 15.0% | 14.0% | 9.0% | 6.0% | 4.0% | 4.0% | 3.0% | 69% |
| SRF Loan (\$M) | - | \$2.17 | - | - | - | - | - | \$2.17 |
| High Debt: SRF Funding 2021-22 Pipe Repl. | 15.0% | 9.0% | 7.0% | 7.0% | 7.0% | 7.0% | 5.0% | 73% |
| SRF Loan (\$M) | - | \$4.57 | \$7.80 | - | - | - | - | \$12.37 |

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Next Steps

- Request that City Council direct City staff to mail Prop. 218
 Notification
- 45-day waiting period
- Public Hearing
- Rates implemented on July 1, 2019

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