# Town of Mammoth Water & Sewer Rate Increase Study Session

October 16, 2019



# Purpose of this Study Session

- The purpose of this Study Session is to present data/facts so that the Town Council can make an informed decision that is in the best interest of the Town of Mammoth with regards to increasing water and sewer rates in January 2020.
- This presentation is for informational purposes only.
- The models provide <u>estimated</u> revenue based on selected criteria actual revenue will vary based on real-life conditions
- The actual rate increases will be decided by the Town Council.

# Presentation Outline

Overview

Town Water Use

Water Fund Revenues and Expenses

Water Bill Statistics

Water Rate Model

Water Rate Examples and Effect on Revenue

Sewer Fund Revenue and Expenses

Sewer Rate Examples and Effect on Revenue

**Customer Assistance Programs** 

### Overview – Financial Review

### From Pat Walker's July 2019 Presentation

#### General Fund Balance

- FY15 (-\$1,135,765)
- FY16 (-\$948,574)
- FY17 (-809,132)
- FY18 (-\$742,539)
- FY19 (-\$611,277)

#### Water Fund Balance

- FY16 (-\$410,717)
- FY17 (-\$414,818)
- FY18 (-\$498,339)
- FY19 (-\$653,891)

#### Sewer Fund Balance

- FY16 \$14,938
- FY17 \$0
- FY18 \$15,615
- FY19 (-\$26,695)

### Overview – Financial Review

### Adopted FY2020 Budget

General Fund

Budgeted Expenditures = \$868,408

Water Fund

Budgeted Expenditures = \$298,508

Contingency = \$140,000

Total = \$438,508 (Expenses and Revenue)

Sewer Fund

Budgeted Expenditures = \$144,920

Contingency = \$35,000

Total = \$179,920 (Expenses and Revenue)

### Overview

- Pumped water is significantly higher than billed water
- Water Expenses exceed Water Revenue
- Sewer Expenses exceed Sewer Revenue
- Aging infrastructure leads to higher operations and maintenance costs, chance for increased outages, and potential compliance/regulatory issues
- Equipment /Material Costs increase over time Labor Costs increase over time
- Water Rates in Mammoth are lower than surrounding communities
- Without a rate increase, the deficit will continue to grow Cities/Towns are required to adopt a balanced budget every year
- No one wants a rate increase, but the alternatives may be worse

### Overview - Continued

Increase Revenue and Decrease Expenses to Balance the Budget

- Increase Revenue:
  - Increase Rates
  - Increase Fees
  - More Accurate Water Billing
- Decrease Expenses:
  - Radio Meters
  - Infrastructure Upgrades/Repairs
    - Grants
    - Low-Interest Loans
- Customer Assistance Programs Available

### Overview - Continued

- Rates are being increased in accordance with AZ State Statutes
- Working towards new rates becoming effective January 1, 2020
- Notices published Website, Town Council Agendas/Minutes, Miner
- Report Requirements Available to Public 30 days before Public Hearing
- Public Hearing November 21, 2019 7 pm Town Hall
- Public Comments Written Comments to Town Hall or Public Meeting

# Arizona State Statute 9-511.01

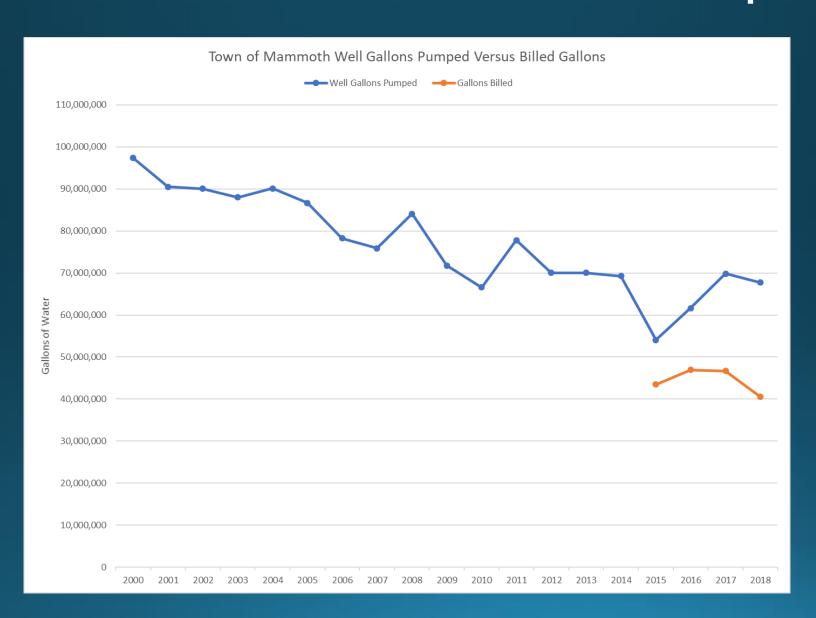
#### 9-511.01. Water and wastewater business; rates; procedures; responsibility for payments

- A. A municipality engaging in a domestic water or wastewater business shall not increase any water or wastewater rate or rate component, fee or service charge without complying with the following:
- 1. Prepare a written report or supply data supporting the increased rate or rate component, fee or service charge. The report or supporting data shall include cash flow projections that indicate all anticipated revenues from residential and nonresidential customers and the overall expenses for providing water or wastewater service. A copy of the report and cash flow projections shall be made available to the public by filing a copy in the office of the clerk of the municipality governing board and posting the report and cash flow projections on the municipality's website or the website of an association of cities and towns if the municipality does not have a website at least thirty days before the public hearing described in paragraph 2 of this subsection.
- 2. Adopt a notice of intention by motion at a regular council meeting to increase water or wastewater rates or rate components, fees or service charges and set a date for a public hearing on the proposed increase that shall be held at least sixty days after adoption of the notice of intention. A copy of the notice of intention showing the date, time and place of the hearing shall be published one time in a newspaper of general circulation within the boundaries of the municipality not less than twenty days before the public hearing date.
- B. After holding the public hearing, the governing body may adopt, by ordinance or resolution, the proposed rate or rate component, fee or service charge increase or any lesser increase.
- C. Notwithstanding section 19-142, subsection B, the increased rate or rate component, fee or service charge shall become effective thirty days after adoption of the ordinance or resolution.
- D. Any proposed water or wastewater rate or rate component, fee or service charge adjustment or increase shall be just and reasonable.
- E. Rates and charges demanded or received by municipalities for water and wastewater service shall be just and reasonable. Every unjust or unreasonable rate or charge demanded or received by a municipality is prohibited and unlawful.

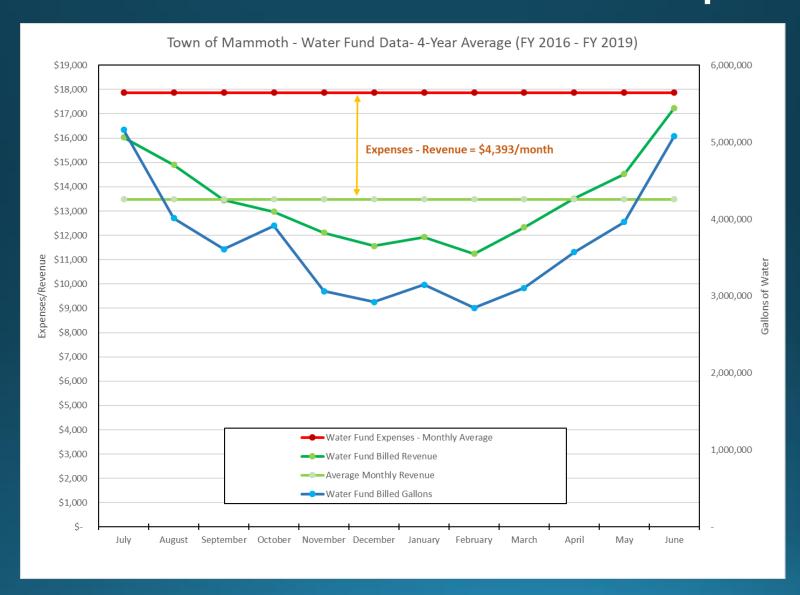
### Water Use

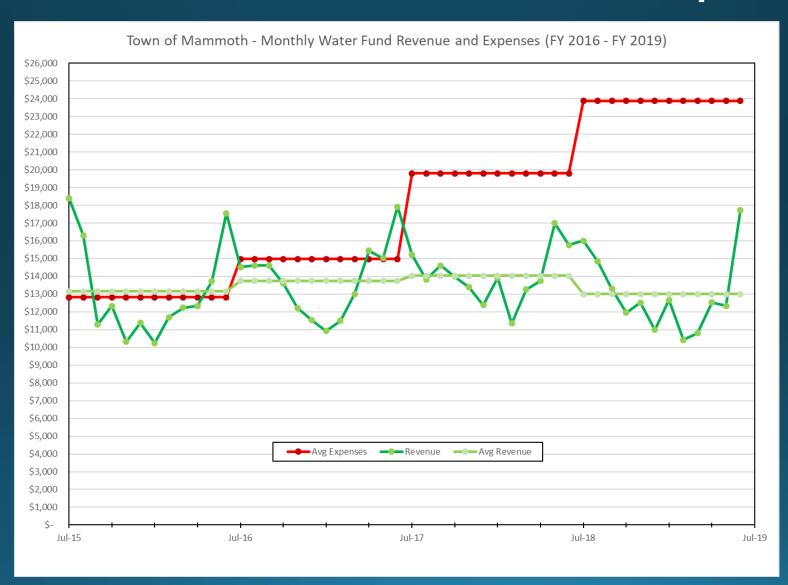
- Pumped water is significantly higher than billed water
  - Inaccurate water meters
  - Not all meter use reported and billed (unmetered use)
  - Leaks
  - Overflows
  - Pipeline Repairs

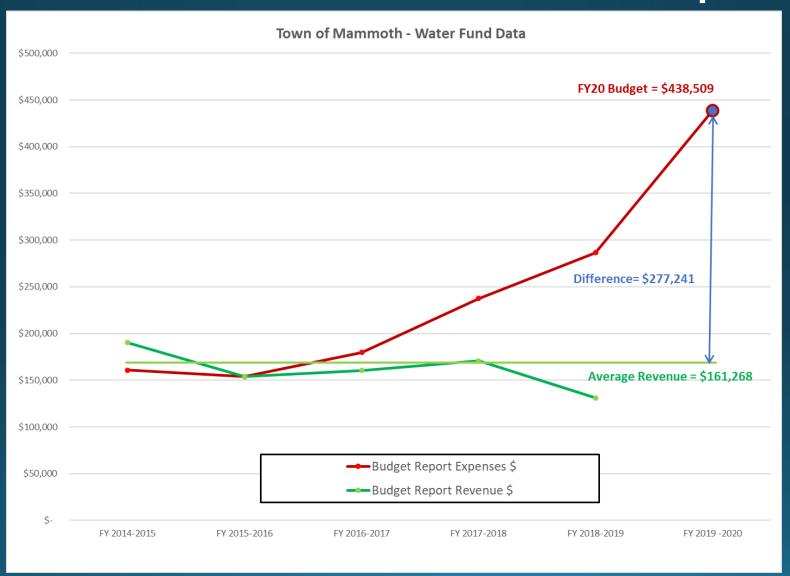
| Year | Pumped (Gallons) | Billed (Gallons) | Difference (Gallons) |
|------|------------------|------------------|----------------------|
| 2018 | 67,762,100       | 40,515,098       | 27,247,002           |
| 2017 | 69,839,100       | 46,697,170       | 23,141,930           |
| 2016 | 61,636,300       | 46,944,672       | 14,694,628           |
| 2015 | 54,040,500       | 43,455,281       | 10,585,219           |



| Water<br>Enterprise Fund | Вι | ıdget Report<br>Expenses \$ | Вι | udget Report<br>Revenue \$ | Difference \$   |
|--------------------------|----|-----------------------------|----|----------------------------|-----------------|
| 1 1                      |    | 1 2 2 2 1                   |    |                            | ,               |
| FY 2014-2015             | \$ | 160,799                     | \$ | 190,309                    | \$<br>29,510    |
| FY 2015-2016             | \$ | 153,846                     | \$ | 153,847                    | \$<br>1         |
| FY 2016-2017             | \$ | 179,619                     | \$ | 160,369                    | \$<br>(19,250)  |
| FY 2017-2018             | \$ | 237,520                     | \$ | 170,759                    | \$<br>(66,761)  |
| FY 2018-2019             | \$ | 286,610                     | \$ | 131,058                    | \$<br>(155,552) |
|                          |    |                             |    |                            |                 |
| 5-Yr Average             | \$ | 203,679                     | \$ | 161,268                    | \$<br>(42,410)  |
|                          |    |                             |    |                            |                 |
| FY 2019 - 2020           | \$ | 438,509.00                  | \$ | 438,509.00                 | \$<br>-         |

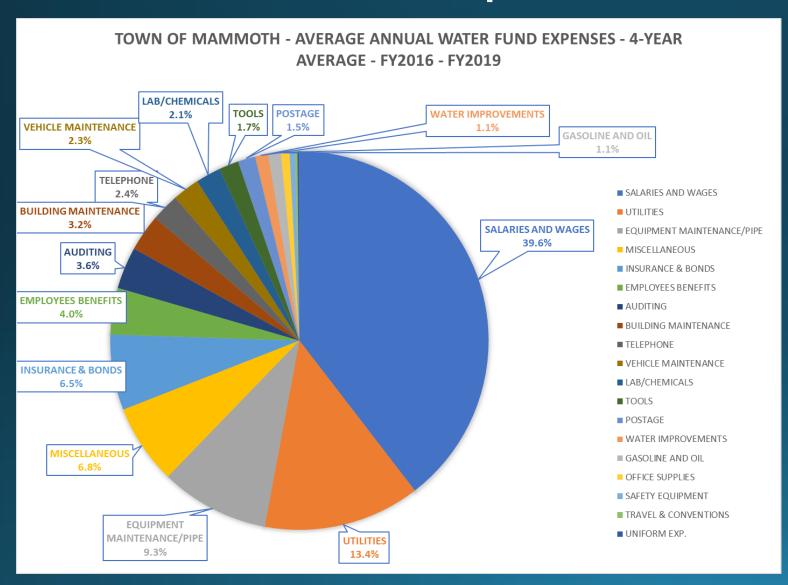






|          | TOWN OF MAMMOTH<br>WATER FUND     | Adopted<br>Budget<br>FY18 | Audited<br>Actuals<br>FY18 | Adopted<br>Budget<br>FY19 | Estimated<br>FY19 | Proposed<br>Budget<br>FY20 |
|----------|-----------------------------------|---------------------------|----------------------------|---------------------------|-------------------|----------------------------|
| 51-4011  | SALARIES                          | 68,304                    | 112,878                    | 111,000                   | 129,486           | 130,000                    |
| 51-4013  | EMPLOYEE BENEFITS                 | 11,224                    | 11,351                     | 14,100                    | 12,503            | 12,550                     |
| 51-4020  | OFFICE SUPPLIES                   | 600                       | 2,278                      | 2,000                     | 3,300             | 2,000                      |
| 51-4023  | TRAVEL & CONVENTIONS              | 120                       |                            | 120                       | 1,500             | 1,500                      |
| 51-4024  | POSTAGE                           | 4,000                     | 3,808                      | 4,000                     | 3,500             | 3,500                      |
| 51-4025  | EQUIPMENT MAINTENANCE/PIPE        | 15,000                    | 18,443                     | 10,000                    | 42,000            | 20,000                     |
| 51-4026  | VEHICLE MAINTENANCE               | 1,350                     | 12,868                     | 7,000                     | 10,000            | 10,000                     |
| 51-4027  | GASOLINE AND OIL                  | 1,800                     | 2,875                      | 2,500                     | 3,000             | 3,000                      |
| 51-4028  | TELEPHONE                         | 4,693                     | 6,410                      | 6,000                     | 5,200             | 5,200                      |
| 51-4029  | UTILITIES                         | 34,279                    | 45,361                     | 38,000                    | 28,000            | 28,560                     |
| 51-4030  | BUILDING MAINTENANCE              | 4,500                     | 5,444                      | 5,000                     | 4,200             | 5,000                      |
| 51-4034  | AUDITING                          |                           |                            |                           | 51                | 100                        |
| 51-4035  | UNIFORM EXP.                      | 284                       | 605                        | 600                       | 682               | 700                        |
| 51-4037  | SAFETY EQUIPMENT                  | 966                       | 651                        | 700                       | 624               | 700                        |
| 51-4041  | INSURANCE & BONDS                 | 19,670                    | 9,821                      |                           |                   | 10,000                     |
| 51-4042  | LAB/CHEMICALS                     | 1,046                     | 4,659                      | 7,500                     | 7,200             | 700                        |
| 51-4045  | TOOLS                             | 423                       | 6,153                      | 5,000                     | 7,700             | 8,000                      |
| 51-4046  | MISCELLANEOUS                     | 9,905                     | 12,817                     | 10,000                    | 18,000            | 18,000                     |
| 51-40-54 | CAPITAL OUTLAY-EQUIPMENT          | 12                        | 172                        | 180                       |                   | ,                          |
| 51-4092  | WATER IMPROVEMENTS                | 1,938                     | 26,534                     | 3,000                     | 8,500             | 8,500                      |
| 51-4099  | CONTINGENCY                       | 35,874                    | 1,164                      |                           | 1,164             | 140,000                    |
|          | TRANSFER TO OTHER FUNDS (PAYBACK) | 10,712                    | 3,679                      |                           | -,                | 30,498                     |
|          | Total Expenditures                | 226,700                   | 287,973                    | 226,700                   | 286,610           | 438,508                    |
|          |                                   |                           |                            |                           |                   | ,                          |

# Water Fund Expenses Breakdown



|                            | 4-Yr Average      |       |
|----------------------------|-------------------|-------|
| SALARIES AND WAGES         | \$<br>91,914.78   | 39.6% |
| UTILITIES                  | \$<br>31,094.00   | 13.4% |
| EQUIPMENT MAINTENANCE/PIPE | \$<br>21,617.79   | 9.3%  |
| MISCELLANEOUS              | \$<br>15,842.69   | 6.8%  |
| INSURANCE & BONDS          | \$<br>14,994.33   | 6.5%  |
| EMPLOYEES BENEFITS         | \$<br>9,252.29    | 4.0%  |
| AUDITING                   | \$<br>8,310.74    | 3.6%  |
| BUILDING MAINTENANCE       | \$<br>7,328.76    | 3.2%  |
| TELEPHONE                  | \$<br>5,538.88    | 2.4%  |
| VEHICLE MAINTENANCE        | \$<br>5,373.84    | 2.3%  |
| LAB/CHEMICALS              | \$<br>4,986.50    | 2.1%  |
| TOOLS                      | \$<br>3,920.63    | 1.7%  |
| POSTAGE                    | \$<br>3,466.65    | 1.5%  |
| WATER IMPROVEMENTS         | \$<br>2,570.34    | 1.1%  |
| GASOLINE AND OIL           | \$<br>2,516.29    | 1.1%  |
| OFFICE SUPPLIES            | \$<br>1,718.88    | 0.7%  |
| SAFETY EQUIPMENT           | \$<br>1,088.98    | 0.5%  |
| TRAVEL & CONVENTIONS       | \$<br>451.98      | 0.2%  |
| UNIFORM EXP.               | \$<br>391.31      | 0.2%  |
|                            |                   |       |
| TOTAL FUND EXPENDITURES    | \$<br>232,379.62  |       |
|                            | \$<br>19,053      |       |
|                            |                   |       |
| TOTAL FUND REVENUES        | \$<br>153,969.40  |       |
|                            | \$<br>12,831      |       |
|                            |                   |       |
| REVENUE - EXPENSES         | \$<br>(74,661.64) |       |
|                            | \$<br>(6,222)     |       |

### Water Bill Statistics

- Minimum Monthly Fee (0-1000 gallons)
- Per Gallon Charge
- Approximately 506 Billed Meters
  - 461 Residential
  - 45 Commercial
- All Residential Meters are 5/8"
- Commercial Meters
  - 32 5/8" meters
  - 7 1" meters
  - 5 2" meters
  - 3" hydrant meters (1)

\$11.41 \$0.00248/gal

## Water Bill Statistics

| Town of Mammoth - Water    | Bill Stati | istics |        |        |
|----------------------------|------------|--------|--------|--------|
|                            |            |        |        |        |
|                            | Averag     |        |        |        |
|                            | Custo      | mers   | Perce  | ntage  |
|                            | Summer     | Winter | Summer | Winter |
| <1000 Gallons - Total      | 76         | 112    | 15%    | 22%    |
| 1001-2000 Gallons - Total  | 32         | 57     | 6%     | 11%    |
| 2001-3000 Gallons - Total  | 33         | 54     | 7%     | 11%    |
| 3001-4000 Gallons - Total  | 38         | 58     | 8%     | 11%    |
| 4001-5000 Gallons - Total  | 31         | 56     | 6%     | 11%    |
| 5001-6000 Gallons - Total  | 34         | 40     | 7%     | 8%     |
| 6001-7000 Gallons - Total  | 28         | 25     | 6%     | 5%     |
| 7001-8000 Gallons - Total  | 28         | 21     | 6%     | 4%     |
| 9001-9000 Gallons - Total  | 25         | 14     | 5%     | 3%     |
| 9001-10000 Gallons - Total | 20         | 12     | 4%     | 2%     |
| >10000 Gallons - Total     | 158        | 59     | 31%    | 12%    |
|                            | 503        | 508    | 100%   | 100%   |

# Water Rate Comparison

Kearny

Utility Rate Sheet: K

Kearny

Rate Sheet Component 1 of 2:

#### WATER RATES, INDOORS AND OUTDOORS For Residential and Commercial Customers

Base Charge: Monthly

Includes consumption of the first 5000 gallions, monthly

5/8 inch meter: \$31.45

1 inch meter: \$33.95

2 inch meter: \$38.55

4 inch meter: \$49.70 6 inch meter: \$60.80

Rates: Increasing Block

\$1.80 per 1000 gallons for consumption between 5001 - 8000 gallons monthly \$2.50 per 1000 gallons for consumption between 8001 - 15000 gallons monthly

### Water Rate Comparison — Oracle/San Manuel

Utility Rate Sheet: Arizona Water Company - Oracle, Saddlebrooke Ranch, San Manuel

Rate Sheet Component 1 of 2:

WATER RATES, INDOORS AND OUTDOORS For Residential Customers

Base Charge: Monthly

Includes consumption of the first 0 gallons, monthly

5/8 inch meter: \$25.92 3/4 inch meter: \$38.89 1 inch meter: \$64.81 1.5 inch meter: \$129.62 2 inch meter: \$207.39 3 inch meter: \$414.79 4 inch meter: \$648.11 6 inch meter: \$1,296.22 8 inch meter: \$2,073.94 10 inch meter: \$2,981.29

Rates: Increasing Block

\$4.10 per 1000 gallons for consumption between 1 - 2000 gallons monthly
\$6.03 per 1000 gallons for consumption between 2001 - 7000 gallons monthly
\$7.95 per 1000 gallons for consumption between 7001 - 13000 gallons monthly

Utility Rate Sheet:

Arizona Water Company - Oracle, Saddlebrooke Ranch, San Manuel

Rate Sheet Component 2 of 2:

WATER RATES, INDOORS AND OUTDOORS
For Commercial Customers

Base Charge: Monthly

Includes consumption of the first 0 gallons, monthly

5/8 inch meter: \$25.92 3/4 inch meter: \$38.89 1 inch meter: \$64.81 1.5 inch meter: \$129.62 2 inch meter: \$207.39 3 inch meter: \$414.79 \$648.11 4 inch meter: 6 inch meter: \$1,296.22 \$2,073.94 8 inch meter: \$2,981,29 10 inch meter:

Rates: Increasing Block

\$6.03 per 1000 gallons for consumption between 1 - 7000 gallons monthly \$7.95 per 1000 gallons for consumption between 7001 - 13000 gallons monthly

\$11.80 per 1000 gallons for consumption over 13000 gallons monthly

## Water Rate Comparison – Tucson Water

#### **Monthly Service Charge**

Flat rate paid by customer, regardless of the amount of water used.

| Meter Size | Rates      |  |
|------------|------------|--|
| 5/8 inch * | \$16.33 ** |  |
| 3/4 inch   | \$22.03    |  |
| 1 inch     | \$33.42    |  |
| 1-1/2 inch | \$61.91    |  |
| 2 inch     | \$96.09    |  |
| 2-1/2 inch | \$141.67   |  |
| 3 inch     | \$187.24   |  |
| 4 inch     | \$318.27   |  |
| 6 inch     | \$646.43   |  |
| 8 inch     | \$973.44   |  |
| 10 inch    | \$1,486.18 |  |
| 12 inch    | \$2,454.68 |  |

#### **Single-Family Class**

Per 100 cubic feet (Ccf) (1 Ccf = 748 Gallons)

| Usage (Ccf)         | Average Monthly Bill |  |
|---------------------|----------------------|--|
| 0                   | \$16.33              |  |
| 5                   | \$30.68              |  |
| 8 (overall average) | \$41.04              |  |
| 9                   | \$45.66              |  |
| 10                  | \$50.28              |  |
| 16                  | \$82.57              |  |
| 31                  | \$224.96             |  |
| 45                  | \$417.18             |  |
| 60                  | \$623.13             |  |
|                     |                      |  |

All amounts shown are *before* tax. Taxes billed are turned over to the taxing authority and are not revenues of Tucson Water. Current tax rates are: 2.6%, City of Tucson; 6.1%, State of Arizona ; 4.5%, Town of Marana ; 4.0%, Town of Oro Valley 4.5%, City of South Tucson .

#### **Usage Charges**

Per 100 cubic feet (Ccf) (1 Ccf = 748 Gallons)

| Customer Class / Charge Categories | Charge per Ccf |
|------------------------------------|----------------|
| Residential Block Rates            |                |
| Single Family                      |                |
| 1 – 7 Ccf                          | \$2.07         |
| 8 – 15 Ccf                         | \$3.82         |
| 16 – 30 Ccf                        | \$8.39         |
| Over 30 Ccf                        | \$12.93        |
| Duplex-Triplex                     |                |
| 1 – 10 Ccf                         | \$2.07         |
| 11 – 20 Ccf                        | \$3.82         |
| 21 – 35 Ccf                        | \$8.39         |
| Over 35 Ccf                        | \$12.93        |
|                                    |                |

# Water Rate Comparison

# Mammoth 1973

#### WATER RATES

ARIZONA WATER COMPANY

Phoenix, Arizona

Filed by: R. E. Polenske

Title: Exec. Vice Pres. & General Mgr.

Date Original Filing: 6-16-60

District: MAMMOTH

A.C.C. No. 254

Cancelling A.C.C. No. 209

Tariff or Schedule No. W-160

Filed: April 12, 1973

Effective: For all bills rendered on or

after May 16, 1973

#### GENERAL SERVICE

#### AVAILABILITY

In MAMMOTH and environs at all points where facilities of adequate capacity and pressure are adjacent to the premises served.

#### APPLICATION

To all water service required when such service is supplied at one premise through one point of delivery and measured through one meter. Not applicable to temporary, standby, supplementary or resale service.

#### MONTHLY BILL:

| MINIMUM | \$ 5.60 | for | 5/8"  | x  | 3/4" | meter | for " | 1,000 | gallons | or<br>" | lesa |
|---------|---------|-----|-------|----|------|-------|-------|-------|---------|---------|------|
|         | 8.40    | **  | 13"   |    |      | **    | **    | 99    | **      | 110     | 19   |
|         | 10.00   | 28  | 2"    |    |      | n     | **    | **    | **      | **      | **   |
|         | 12.50   | **  | 3"    |    |      | **    | **    | **    | **      | **      | 21   |
|         | 17.00   | **  | 4"    |    |      | .11   | **    | **    | **      | **      | **   |
|         | 25.00   | "   | 6" ar | nd | over | "     | **    | **    |         | "       | **   |

RATE \$0.104 per 100 gallons for all over 1,000 gallons

# Water Rate/Cash Flow Model

- A model was developed to <u>estimate</u> the resulting revenue from different rate increase structures
- "Across the Board" or Percentage Increase
- Tiered Increase
- Residential versus Commercial
- Rates to Encourage Water Conservation

### Water Rate/Cash Flow Model

- An Excel Spreadsheet model was developed to run different rate scenarios and estimate the resulting cash flow
- Different Rate Structures
  - "Across-the-Board" Increase (1.5 X current rate, 2.0 X current rate)
  - Tiered Increase (5% and 10%)
    - Per Gallon Rate increases every 1000 gallons of monthly water use
    - Slight increase in minimum (0-1000 gallons)
    - Commercial Customers pay more
      - Higher Minimum Charge
      - Higher starting per gallon rate
- Different Assumptions
  - FY19 Expenses and Water Use
  - 5-Yr Average Expenses
  - FY20 Adopted Budget Expenses

# Water Rate/Cash Flow Model – FY19 Expenses

| Town of Mammoth - Water Rate In         | ncrease Options |                        |                        |                           |                            |
|---|-----------------|------------------------|------------------------|---------------------------|----------------------------|
| Using FY2019 Actual Expenses            |                 |                        |                        |                           |                            |
|   |                 | Comment Batas V        | 0 D.4 V                |                           |                            |
|   | Current Rates   | Current Rates X<br>1.5 | Current Rates X<br>2.0 |                           | Tion 2 (100/)              |
| Estimated Water Use (gallons/yr)        | 40,000,000      | 40,000,000             | 40,000,000             | Tier 1 (5%)<br>40,000,000 | Tier 2 (10%)<br>40,000,000 |
| Estimated water ose (ganons/yr)         | 40,000,000      | 40,000,000             | 40,000,000             | 40,000,000                | 40,000,000                 |
| Minimum Charge - Residential            | \$ 11.41        | \$ 17.12               | \$ 22.82               | \$ 15.00                  | \$ 15.00                   |
| Minimum Charge - Commercial             | \$ 11.41        | \$ 17.12               | \$ 22.82               | \$20 - \$100              | \$20 - \$100               |
|   |                 |                        |                        |                           |                            |
| Per Gallon Charge - Residential         | \$ 0.00248      | \$ 0.00372             | \$ 0.00496             | \$0.00248 - \$0.00385     | \$0.00248 -\$0.00585       |
| Per Gallon Charge - Commercial          | \$ 0.00248      | \$ 0.00372             | \$ 0.00496             | \$0.00496 - \$0.00769     | \$0.00496 - \$0.01170      |
|   |                 |                        |                        |                           |                            |
| Estimated Annual Expenses               | \$ 286,000      | \$ 286,000             | \$ 286,000             | \$ 286,000                |                            |
| Estimated Annual Revenue                | \$ 154,423      | \$ 231,665             | \$ 308,847             | \$ 246,694                | \$ 311,751                 |
| Difference: Revenue - Expenses          | \$ (131,577)    | \$ (54,335)            | \$ 22,847              | \$ (39,306)               | \$ 25,751                  |
|   |                 |                        |                        |                           |                            |
| MONTHY BILLS                            |                 |                        |                        |                           |                            |
| RESIDENTIAL                             |                 |                        |                        |                           |                            |
| Bill assuming 2000 gals per month       | \$ 13.89        | \$ 20.84               | \$ 27.78               | \$ 17.48                  | \$ 17.48                   |
| Bill assuming 7500 gals per month       | \$ 27.53        | \$ 41.30               | \$ 55.06               | \$ 36.60                  | \$ 43.56                   |
| Bill assuming 10,001 gals per month     | \$ 33.73        | \$ 50.60               | \$ 67.46               | \$ 49.63                  | \$ 67.63                   |
|   |                 |                        |                        |                           |                            |
| COMMERCIAL (5/8")                       |                 |                        |                        |                           |                            |
| Bill Assuming 10,000 gals per month     | \$ 33.73        | · ·                    | \$ 67.46               | \$ 85.95                  | \$ 115.69                  |
| Bill Assuming 15,000 gals per month     | \$ 46.13        | · ·                    | \$ 92.26               | \$ 127.72                 | \$ 183.74                  |
| Bill Assuming 20,000 gals per month     | \$ 58.53        | \$ 87.80               | \$ 117.06              | \$ 166.20                 | \$ 242.21                  |
| 000000000000000000000000000000000000000 |                 |                        |                        |                           |                            |
| COMMERCIAL (1")                         | A 22.72         | <b>A FO CO</b>         | <b>67.46</b>           | 405.05                    | 4.25.60                    |
| Bill Assuming 10,000 gals per month     | \$ 33.73        | · ·                    | \$ 67.46               |                           | \$ 135.69                  |
| Bill Assuming 15,000 gals per month     | \$ 46.13        |                        |                        | \$ 147.72                 |                            |
| Bill Assuming 20,000 gals per month     | \$ 58.53        | \$ 87.80               | \$ 117.06              | \$ 186.20                 | \$ 262.21                  |
| COMMERCIAL (2")                         |                 |                        |                        |                           |                            |
| Bill Assuming 10,000 gals per month     | \$ 33.73        | \$ 50.60               | \$ 67.46               | \$ 140.95                 | \$ 170.69                  |
| Bill Assuming 15,000 gals per month     | \$ 46.13        |                        | \$ 92.26               | \$ 182.72                 | -                          |
| Bill Assuming 20,000 gals per month     | \$ 58.53        | -                      | ·                      | \$ 221.20                 |                            |
| Sin 7.53 diffing 20,000 gais per month  | رد.ان           | ۷                      | 7 117.00               | 221.20                    | 257.21                     |

# Water Rate/Cash Flow Model – 5-Yr Avg

| Town of Mammoth - Water Rate In     | ncreas | e Options    |    |                |          |                |                       |                       |
|-------------------------------------|--------|--------------|----|----------------|----------|----------------|-----------------------|-----------------------|
| Using 5-yr Average Expenses         |        |              |    |                |          |                |                       |                       |
|                                     |        |              |    |                | _        |                |                       |                       |
|                                     | _      | Datas        | C  | urrent Rates X | C        | urrent Rates X | T: 4 (FO()            | Tinu 2 (4004)         |
|                                     | C      | urrent Rates |    | 1.5            |          | 2.0            | Tier 1 (5%)           |                       |
| Estimated Water Use (gallons/yr)    |        | 45,000,000   |    | 45,000,000     |          | 45,000,000     | 45,000,000            | 45,000,000            |
| Minimum Charge - Residential        | \$     | 11.41        | \$ | 17.12          | \$       | 22.82          | \$ 15.00              | \$ 15.00              |
| Minimum Charge - Commercial         | \$     | 11.41        | \$ | 17.12          | \$       | 22.82          | \$20 - \$100          | \$20 - \$100          |
|                                     |        |              |    |                |          |                |                       |                       |
| Per Gallon Charge - Residential     | \$     | 0.00248      | \$ | 0.00372        | \$       | 0.00496        | \$0.00248 - \$0.00385 | \$0.00248 -\$0.00585  |
| Per Gallon Charge - Commercial      | \$     | 0.00248      | \$ | 0.00372        | \$       | 0.00496        | \$0.00496 - \$0.00769 | \$0.00496 - \$0.01170 |
|                                     |        |              |    |                |          |                |                       |                       |
| Estimated Annual Expenses           | \$     | 204,000      | \$ | 204,000        | \$       | 204,000        | \$ 204,000            | \$ 204,000            |
| Estimated Annual Revenue            | \$     | 166,825      | \$ | 250,267        | \$       | 333,649        | \$ 265,932            | \$ 340,992            |
| Difference: Revenue - Expenses      | \$     | (37,175)     | \$ | 46,267         | \$       | 129,649        | \$ 61,932             | \$ 136,992            |
|                                     |        |              |    |                |          |                |                       |                       |
| MONTHY BILLS                        |        |              |    |                |          |                |                       |                       |
| RESIDENTIAL                         |        |              |    |                |          |                |                       |                       |
| Bill assuming 2000 gals per month   | \$     | 13.89        | \$ | 20.84          | \$       | 27.78          | \$ 17.48              | \$ 17.48              |
| Bill assuming 7500 gals per month   | \$     | 27.53        | \$ | 41.30          |          | 55.06          | •                     | \$ 43.56              |
| Bill assuming 10,001 gals per month | \$     | 33.73        | \$ | 50.60          | \$       | 67.46          | \$ 49.63              | \$ 67.63              |
|                                     |        |              |    |                |          |                |                       |                       |
| COMMERCIAL (5/8")                   |        |              |    |                |          |                |                       |                       |
| Bill Assuming 10,000 gals per month | \$     | 33.73        | •  | 50.60          | •        | 67.46          | 7                     | 7                     |
| Bill Assuming 15,000 gals per month | \$     | 46.13        |    | 69.20          |          | 92.26          | · ·                   | -                     |
| Bill Assuming 20,000 gals per month | \$     | 58.53        | \$ | 87.80          | \$       | 117.06         | \$ 166.20             | \$ 242.21             |
|                                     |        |              |    |                |          |                |                       |                       |
| COMMERCIAL (1")                     |        |              |    |                |          |                |                       |                       |
| Bill Assuming 10,000 gals per month | \$     | 33.73        | \$ | 50.60          |          | 67.46          |                       |                       |
| Bill Assuming 15,000 gals per month | \$     | 46.13        | -  | 69.20          | -        | 92.26          | <u>'</u>              |                       |
| Bill Assuming 20,000 gals per month | \$     | 58.53        | \$ | 87.80          | \$       | 117.06         | \$ 186.20             | \$ 262.21             |
| COMMEDIAL (211)                     |        |              |    |                |          |                |                       |                       |
| COMMERCIAL (2")                     |        | 22           |    | E0.55          | _        | 67 - 5         | A 445.55              | A 470.00              |
| Bill Assuming 10,000 gals per month | \$     |              | \$ | 50.60          |          | 67.46          | •                     |                       |
| Bill Assuming 15,000 gals per month | \$     | 46.13        | \$ | 69.20          | •        | 92.26          |                       |                       |
| Bill Assuming 20,000 gals per month | \$     | 58.53        | \$ | 87.80          | <b>\</b> | 117.06         | \$ 221.20             | \$ 297.21             |

# Water Rate/Cash Flow Model – FY20 Budget

| Town of Mammoth - Water Rate II                     | ncrease Options |                        |            |                                  |                                       |
|---|-----------------|------------------------|------------|----------------------------------|---------------------------------------|
| Using FY20 Budget Expenses                          |                 |                        |            |                                  |                                       |
|   |                 |                        |            |                                  |                                       |
|   | _               | Current Rates X        |            |                                  |                                       |
|   | Current Rates   |                        | 2.7        | Tier 1 (10%)                     | , ,                                   |
| Estimated Water Use (gallons/yr)                    | 45,000,000      | 45,000,000             | 45,000,000 | 45,000,000                       | 45,000,000                            |
|   |                 |                        |            |                                  |                                       |
| Minimum Charge - Residential                        | \$ 11.41        | •                      |            | ·                                | ·                                     |
| Minimum Charge - Commercial                         | \$ 11.41        | \$ 22.82               | \$ 30.81   | \$20 - \$100                     | \$40 - \$100                          |
| Per Gallon Charge - Residential                     | \$ 0.00248      | \$ 0.00496             | \$ 0.00670 | \$0.00248 - \$0.00385            | \$0.00248 -\$0.00585                  |
| Per Gallon Charge - Commercial                      | \$ 0.00248      | •                      |            | \$0.00248 \$0.00369              | · · · · · · · · · · · · · · · · · · · |
| Tel Gallon Charge Commercial                        | Ş 0.00240       | ÿ 0.00 <del>1</del> 30 | Ş 0.00070  | \$0.00 <del>+</del> 50 \$0.00705 | \$0.00 <del>4</del> 50 \$0.01170      |
| Estimated Annual Expenses                           | \$ 438,508      | \$ 438,508             | \$ 438,508 | \$ 438,508                       | \$ 438,508                            |
| Estimated Annual Revenue                            | \$ 166,825      | \$ 333,649             | \$ 450,426 | \$ 340,992                       | \$ 443,140                            |
| Difference: Revenue - Expenses                      | \$ (271,683)    | \$ (104,859)           | \$ 11,918  | \$ (97,516)                      | \$ 4,632                              |
| •   |                 |                        | ,          | , , ,                            |                                       |
| MONTHY BILLS  |                 |                        |            |                                  |                                       |
| RESIDENTIAL   |                 |                        |            |                                  |                                       |
| Bill assuming 2000 gals per month                   | \$ 13.89        | \$ 27.78               | \$ 37.50   | \$ 17.48                         | \$ 34.48                              |
| Bill assuming 7500 gals per month                   | \$ 27.53        | \$ 55.06               | \$ 74.33   | \$ 43.56                         | \$ 60.56                              |
| Bill assuming 10,001 gals per month                 | \$ 33.73        | \$ 67.46               | \$ 91.07   | \$ 67.63                         | \$ 84.63                              |
|   |                 |                        |            |                                  |                                       |
| COMMERCIAL (5/8")                                   |                 |                        |            |                                  |                                       |
| Bill Assuming 10,000 gals per month                 | \$ 33.73        |                        |            | \$ 115.69                        | \$ 135.69                             |
| Bill Assuming 15,000 gals per month                 | \$ 46.13        | •                      |            | \$ 183.74                        | \$ 203.74                             |
| Bill Assuming 20,000 gals per month                 | \$ 58.53        | \$ 117.06              | \$ 158.03  | \$ 242.21                        | \$ 262.21                             |
|   |                 |                        |            |                                  |                                       |
| COMMERCIAL (1")                                     |                 |                        |            |                                  |                                       |
| Bill Assuming 10,000 gals per month                 | \$ 33.73        | •                      | •          |                                  |                                       |
| Bill Assuming 15,000 gals per month                 | \$ 46.13        | •                      |            |                                  | -                                     |
| Bill Assuming 20,000 gals per month                 | \$ 58.53        | \$ 117.06              | \$ 158.03  | \$ 262.21                        | \$ 272.21                             |
| COMMEDIAL (2")                                      |                 |                        |            |                                  |                                       |
| COMMERCIAL (2") Bill Assuming 10,000 gals per month | \$ 33.73        | \$ 67.46               | \$ 91.07   | \$ 170.69                        | \$ 170.69                             |
|   | \$ 33.73        | •                      | •          | 7                                |                                       |
| Bill Assuming 15,000 gals per month                 | \$ 46.13        | •                      |            |                                  |                                       |
| Bill Assuming 20,000 gals per month                 | ۶ 58.53         | \$ 117.06              | \$ 158.03  | \$ 297.21                        | ۶ 297.21                              |

# Water Model Summary

- FY19 Expenses and Water Use
  - Across-the-Board 2.0 X current rate will generate revenue > \$286,000/yr
  - Tier (10%) will generate revenue > \$286,000/yr
- <u>5-Yr Average Expenses</u>
  - Across-the-Board 1.5 X current rate will generate revenue > \$204,000/yr
  - Tier (5%) will generate revenue > \$204,000/yr

- FY20 Adopted Budget Expenses
  - Across-the-Board 2.7 X current rate will generate revenue > \$438,508/yr
  - Tier (10% + higher minimums) will generate revenue > \$438,508/yr

### Water Bill Fees — Other Revenue

- Other Revenue (in addition to billed water use)
  - Fees
    - Connect/Disconnect
    - Late Payment Fees
    - Tampering Fees
    - Equipment Replacement Fees
  - Sold Water (external customers)
- Audit Caselle to make sure billing is accurate for all customers

### Water Bill Fees - Other Revenue

#### **Current Water Fees:**

• New Meter \$100.00

• New Valve: \$100.00

• Shut-Off (Business Hrs) \$15.00

• Shut-Off (After Hrs) \$45.00

• Turn on (Business Hrs) \$15.00

• Turn on (After Hrs) \$45.00

• Re-read: \$15.00

### Other Fee Options:

New AMR Meter \$225.00

New AMR Antennae \$100.00

Meter Data \$25.00

Tampering? (State Laws exist)

# Water Rate Summary

- The Town needs to decide on the actual water rate increase it wants to approve, effective January 1, 2020
- The Town Council now has all the information it needs to make the best decision for the Town
- The Water Rate Model can be used to estimate the effect of different rates increases based on the cash flow the Town Council wishes to achieve
- It is important to make sure the water expenses and revenues are properly accounted for

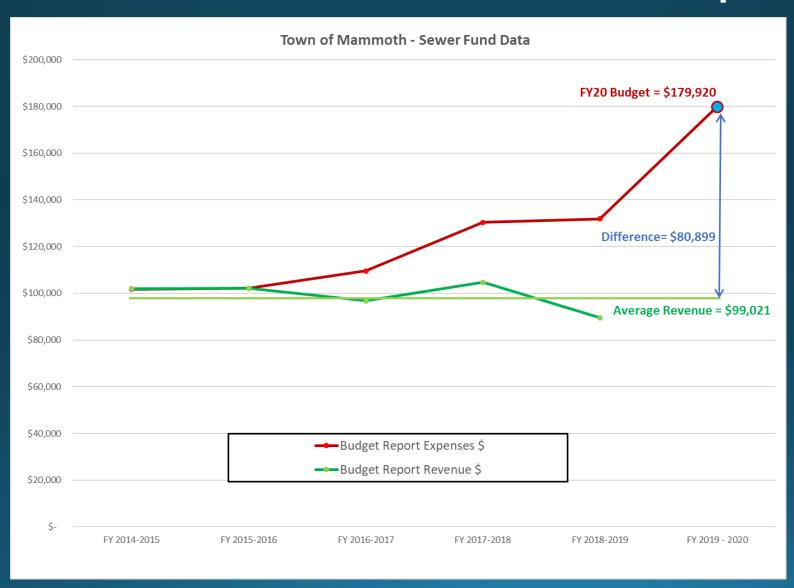
### Sewer Bill Statistics

- Monthly Rate Residential
- Monthly Rate Commercial

- \$15.63 (\$187.56/yr)
- \$24.31 (\$291.72/yr)
- Approximately 543 Sewer Customers (3-yr average)
- Approximately 29 Commercial Customers

| Sewer<br>Enterprise Fund | Вι | ıdget Report<br>Expenses \$ | Вι | udget Report<br>Revenue \$ | Difference \$  |
|--------------------------|----|-----------------------------|----|----------------------------|----------------|
| Litterprise rana         |    | гирепзез у                  |    | nevenue y                  | Difference 9   |
| FY 2014-2015             | \$ | 101,799                     | \$ | 101,973                    | \$<br>174      |
| FY 2015-2016             | \$ | 102,104                     | \$ | 102,104                    | \$<br>-        |
| FY 2016-2017             | \$ | 109,616                     | \$ | 96,800                     | \$<br>(12,816) |
| FY 2017-2018             | \$ | 130,376                     | \$ | 104,651                    | \$<br>(25,725) |
| FY 2018-2019             | \$ | 131,888                     | \$ | 89,578                     | \$<br>(42,310) |
|                          |    |                             |    |                            |                |
| 5-Yr Average             | \$ | 115,157                     | \$ | 99,021                     | \$<br>(16,135) |
|                          |    |                             |    |                            |                |
| FY 2019 - 2020           | \$ | 179,920.00                  | \$ | 179,920.00                 | \$<br>-        |

# Sewer Fund Revenue and Expenses

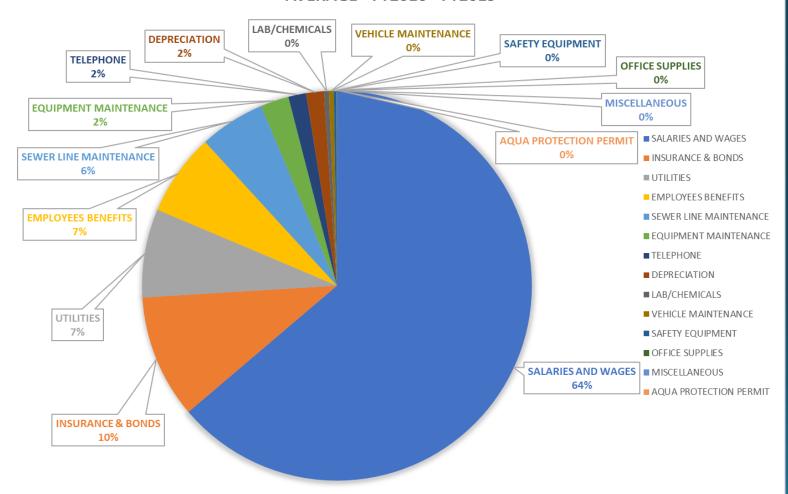


# Sewer Revenue and Expenses

| TOWN OF MAMMOTH<br>SEWER FUND      | Adopted<br>Budget<br>FY18 | Audited<br>Actuals<br>FY18 | Adopted<br>Budget<br>FY19 | Estimated | Proposed<br>Budget |
|------------------------------------|---------------------------|----------------------------|---------------------------|-----------|--------------------|
| 54-4011 SALARIES                   | 68,815                    | 73,853                     |                           | FY19      | FY20               |
| 54-4013 EMPLOYEE BENEFITS          | 9,364                     | 8,501                      | 74,000                    | 93,114    | 94,977             |
| 54-4020 OFFICE SUPPLIES            | 70                        | 26                         | 10,325                    | 10,543    | 10,754             |
| 54-4024 SEWER LINE MAINTENANCE     | 600                       | 481                        | 70                        |           |                    |
| 54-4025 EQUIPMENT MAINTENANCE/PIPE | 2,000                     | 481<br>53                  | 24,000                    | 17        | 10,000             |
| 54-4026 VEHICLE MAINTENANCE        | 2,000                     |                            | 100                       | 4,075     | 4,100              |
| 54-4027 GASOLINE AND OIL           |                           | 832                        | 1,000                     | 100       | 500                |
| 54-4028 TELEPHONE                  | 2,200                     | 2,202                      | 2,200                     | 2,272     | 2,300              |
| 54-4029 UTILITIES                  | 15,000                    | 9,565                      | 10,000                    | 10,088    | 10,290             |
| 54-4037 SAFETY EQUIPMENT           | 15                        | 621                        | 650                       | 117       | 200                |
| 54-4040 TRAINING                   |                           |                            |                           |           |                    |
| 54-4041 INSURANCE & BONDS          | 17,500                    | 11,821                     | 11,000                    | 11,562    | 11,800             |
| 54-4042 LAB/CHEMICALS              | 700                       |                            | 700                       | 11,502    | 11,000             |
| 54-4091 AQUA PROTECTION PERMIT     | 4,993                     |                            | 4,855                     |           |                    |
| Contingency Reserve                | 16,643                    |                            | 7,023                     |           | 35,000             |
| Total Expenditures                 | 137,900                   | 107,954                    | 138,900                   | 131,888   | 179,920            |

# Sewer Fund Expenses Breakdown

TOWN OF MAMMOTH - AVERAGE ANNUAL SEWER FUND EXPENSES - 4-YEAR AVERAGE - FY2016 - FY2019



| Sewer Fund Expenses    | 4-Yr Average    | %   |
|------------------------|-----------------|-----|
| SALARIES AND WAGES     | \$<br>72,924.09 | 64% |
| INSURANCE & BONDS      | \$<br>11,704.84 | 10% |
| UTILITIES              | \$<br>8,391.29  | 7%  |
| EMPLOYEES BENEFITS     | \$<br>7,797.94  | 7%  |
| SEWER LINE MAINTENANCE | \$<br>6,236.45  | 5%  |
| EQUIPMENT MAINTENANCE  | \$<br>2,685.00  | 2%  |
| TELEPHONE              | \$<br>1,684.41  | 1%  |
| DEPRECIATION           | \$<br>1,681.83  | 1%  |
| LAB/CHEMICALS          | \$<br>462.00    | 0%  |
| VEHICLE MAINTENANCE    | \$<br>459.30    | 0%  |
| SAFETY EQUIPMENT       | \$<br>250.69    | 0%  |
| OFFICE SUPPLIES        | \$<br>32.25     | 0%  |
| MISCELLANEOUS          | \$<br>12.95     | 0%  |
| AQUA PROTECTION PERMIT | \$<br>3.27      | 0%  |
|                        |                 |     |

# Sewer Rate Comparison

From WIFA Water and Wastewater Rates Dashboard

• San Manuel: \$54.27/month

• Hayden: \$46.73/month

• Saddlebrooke: \$39.30/month

• Kearny: \$27.60/month

• Oracle: \$27.00/month (\*data from 2010)

Town of Mammoth: \$15.63/month

# Sewer Rate/Cash Flow Model

- A model was developed to <u>estimate</u> the resulting revenue from different rate increase structures
- Simple Percentage Increase
- Residential versus Commercial

| Town of Mammoth - Prop      | ose    | d Sewer R | Rate | e Increase |                |
|-----------------------------|--------|-----------|------|------------|----------------|
|                             | Reside | ential    | Busi | ness       |                |
| Rate Increase:              | 10%    |           | 109  | %          |                |
|                             |        |           |      |            |                |
|                             |        | FY2019    |      | FY2020     | FY2021         |
| Residential Rate            | \$     | 15.63     | \$   | 17.19      | \$<br>17.19    |
| Commercial Rate             | \$     | 24.31     | \$   | 26.74      | \$<br>26.74    |
|                             |        |           |      |            |                |
| Residential Customers       |        | 514       |      | 514        | 514            |
| Commercial Customers        |        | 29        |      | 29         | 29             |
|                             |        |           |      |            |                |
| Residential Revenue         | \$     | 96,406    | \$   | 101,226    | \$<br>106,046  |
| Commercial Revenue          | \$     | 8,460     | \$   | 8,883      | \$<br>9,306    |
| Total Revenue               | \$     | 104,866   | \$   | 110,109    | \$<br>115,352  |
|                             |        |           |      |            |                |
| Actual Expenses/Budget      | \$     | 131,888   | \$   | 179,920    | \$<br>179,920  |
| Revenue - Budget Expenses   | \$     | (27,022)  | \$   | (69,811)   | \$<br>(64,568) |
|                             |        |           |      |            |                |
|                             |        |           |      |            |                |
| 5-Yr Average Expenses       | \$     | 115,157   | \$   | 115,158    | \$<br>115,159  |
| Revenue - 5-Yr Avg Expenses | \$     | (10,291)  | \$   | (5,049)    | \$<br>193      |

| Town of Mammoth - Prop      | osec | l Sewer R | ate | Increase |                | Town of Mammo          | Town of Mammoth - Proposed Sewer Rate Increase |     |          |      |          |    |          |
|-----------------------------|------|-----------|-----|----------|----------------|------------------------|--|-----|----------|------|----------|----|----------|
| Rate Increase:              | 20%  |           | 20% |          |                | Rate                   | Increase:                                      | 10% |          | 140% | 140%     |    |          |
|                             |      |           |     |          |                |                        |  |     |          |      |          |    |          |
|                             |      | FY2019    |     | FY2020   | FY2021         |                        |  |     | FY2019   |      | FY2020   |    | FY2021   |
| Residential Rate            | \$   | 15.63     | \$  | 18.76    | \$<br>18.76    | Residential Rate       |  | \$  | 15.63    | \$   | 17.19    | \$ | 17.19    |
| Commercial Rate             | \$   | 24.31     | \$  | 29.17    | \$<br>29.17    | <b>Commercial Rate</b> |  | \$  | 24.31    | \$   | 58.34    | \$ | 58.34    |
|                             |      |           |     |          |                |                        |  |     |          |      |          |    |          |
| Residential Customers       |      | 514       |     | 514      | 514            | Residential Custom     | ners   |     | 514      |      | 514      |    | 514      |
| Commercial Customers        |      | 29        |     | 29       | 29             | Commercial Custor      | ners   |     | 29       |      | 29       |    | 29       |
|                             |      |           |     |          |                |                        |  |     |          |      |          |    |          |
| Residential Revenue         | \$   | 96,406    | \$  | 106,046  | \$<br>115,687  | Residential Revenu     | ıe   | \$  | 96,406   | \$   | 101,226  | \$ | 106,046  |
| Commercial Revenue          | \$   | 8,460     | \$  | 9,306    | \$<br>10,152   | Commercial Reven       | ue   | \$  | 8,460    | \$   | 14,382   | \$ | 20,304   |
| Total Revenue               | \$   | 104,866   | \$  | 115,352  | \$<br>125,839  | <b>Total Revenue</b>   |  | \$  | 104,866  | \$   | 115,608  | \$ | 126,350  |
|                             |      |           |     |          |                |                        |  |     |          |      |          |    |          |
| Actual Expenses/Budget      | \$   | 131,888   | \$  | 179,920  | \$<br>179,920  | Actual Expenses/Bo     | udget  | \$  | 131,888  | \$   | 179,920  | \$ | 179,920  |
| Revenue - Budget Expenses   | \$   | (27,022)  | \$  | (64,568) | \$<br>(54,081) | Revenue - Budget       | Expenses                                       | \$  | (27,022) | \$   | (64,312) | \$ | (53,570) |
|                             |      |           |     |          |                |                        |  |     |          |      |          |    |          |
|                             |      |           |     |          |                |                        |  |     |          |      |          |    |          |
| 5-Yr Average Expenses       | \$   | 115,157   | \$  | 115,158  | \$<br>115,159  | 5-Yr Average Exper     | ıses   | \$  | 115,157  | \$   | 115,158  | \$ | 115,159  |
| Revenue - 5-Yr Avg Expenses | \$   | (10,291)  | \$  | 194      | \$<br>10,680   | Revenue - 5-Yr Avg     | Expenses                                       | \$  | (10,291) | \$   | 450      | \$ | 11,191   |

| Town of Mammoth - Prop      | ose | d Sewer R | late        | Increase |               | Town of Mammoth - Pro       | Town of Mammoth - Proposed Sewer Ra |          |    |          |    |         |
|-----------------------------|-----|-----------|-------------|----------|---------------|-----------------------------|-------------------------------------|----------|----|----------|----|---------|
| Rate Increase:              | 72% |           | <b>72</b> % | Š        |               | Rate Increase:              | 61%                                 | 61%      |    | %        |    |         |
|                             |     |           |             |          |               |                             |                                     |          |    |          |    |         |
|                             |     | FY2019    |             | FY2020   | FY2021        |                             |                                     | FY2019   |    | FY2020   |    | FY2021  |
| Residential Rate            | \$  | 15.63     | \$          | 26.88    | \$<br>26.88   | Residential Rate            | \$                                  | 15.63    | \$ | 25.16    | \$ | 25.16   |
| Commercial Rate             | \$  | 24.31     | \$          | 41.81    | \$<br>41.81   | <b>Commercial Rate</b>      | \$                                  | 24.31    | \$ | 72.93    | \$ | 72.93   |
|                             |     |           |             |          |               |                             |                                     |          |    |          |    |         |
| Residential Customers       |     | 514       |             | 514      | 514           | Residential Customers       |                                     | 514      |    | 514      |    | 514     |
| Commercial Customers        |     | 29        |             | 29       | 29            | <b>Commercial Customers</b> |                                     | 29       |    | 29       |    | 29      |
|                             |     |           |             |          |               |                             |                                     |          |    |          |    |         |
| Residential Revenue         | \$  | 96,406    | \$          | 131,112  | \$<br>165,818 | Residential Revenue         | \$                                  | 96,406   | \$ | 125,810  | \$ | 155,213 |
| Commercial Revenue          | \$  | 8,460     | \$          | 11,505   | \$<br>14,551  | <b>Commercial Revenue</b>   | \$                                  | 8,460    | \$ | 16,920   | \$ | 25,380  |
| Total Revenue               | \$  | 104,866   | \$          | 142,617  | \$<br>180,369 | Total Revenue               | \$                                  | 104,866  | \$ | 142,729  | \$ | 180,593 |
|                             |     |           |             |          |               |                             |                                     |          |    |          |    |         |
| Actual Expenses/Budget      | \$  | 131,888   | \$          | 179,920  | \$<br>179,920 | Actual Expenses/Budget      | \$                                  | 131,888  | \$ | 179,920  | \$ | 179,920 |
| Revenue - Budget Expenses   | \$  | (27,022)  | \$          | (37,303) | \$<br>449     | Revenue - Budget Expenses   | \$                                  | (27,022) | \$ | (37,191) | \$ | 673     |
|                             |     |           |             |          |               |                             |                                     |          |    |          |    |         |
|                             |     |           |             |          |               |                             |                                     |          |    |          |    |         |
| 5-Yr Average Expenses       | \$  | 115,157   | \$          | 115,158  | \$<br>115,159 | 5-Yr Average Expenses       | \$                                  | 115,157  | \$ | 115,158  | \$ | 115,159 |
| Revenue - 5-Yr Avg Expenses | \$  | (10,291)  | \$          | 27,459   | \$<br>65,210  | Revenue - 5-Yr Avg Expense  | \$ \$                               | (10,291) | \$ | 27,571   | \$ | 65,434  |

| Town of Mammoth - Proposed Sewer Rate Increase |      |          |     |         |    |         | Town of Mammoth - Propo      | Town of Mammoth - Proposed Sewer Rate Increase |          |     |         |    |         |  |  |
|--|------|----------|-----|---------|----|---------|------------------------------|--|----------|-----|---------|----|---------|--|--|
| Rate Increase:                                 | 145% | 6        | 145 | %       |    |         | Rate Increase:               | 100%   |          | 650 | 50%     |    |         |  |  |
|  |      |          |     |         |    |         |                              |  |          |     |         |    |         |  |  |
|  |      | FY2019   |     | FY2020  |    | FY2021  |                              |  | FY2019   |     | FY2020  |    | FY2021  |  |  |
| Residential Rate                               | \$   | 15.63    | \$  | 38.29   | \$ | 38.29   | <b>Residential Rate</b>      | \$   | 15.63    | \$  | 31.26   | \$ | 31.26   |  |  |
| Commercial Rate                                | \$   | 24.31    | \$  | 59.56   | \$ | 59.56   | <b>Commercial Rate</b>       | \$   | 24.31    | \$  | 182.33  | \$ | 182.33  |  |  |
|  |      |          |     |         |    |         |                              |  |          |     |         |    |         |  |  |
| Residential Customers                          |      | 514      |     | 514     |    | 514     | <b>Residential Customers</b> |  | 514      |     | 514     |    | 514     |  |  |
| <b>Commercial Customers</b>                    |      | 29       |     | 29      |    | 29      | <b>Commercial Customers</b>  | 29   |          |     | 29      |    | 29      |  |  |
|  |      |          |     |         |    |         |                              |  |          |     |         |    |         |  |  |
| Residential Revenue                            | \$   | 96,406   | \$  | 166,300 | \$ | 236,194 | Residential Revenue          | \$   | 96,406   | \$  | 144,609 | \$ | 192,812 |  |  |
| <b>Commercial Revenue</b>                      | \$   | 8,460    | \$  | 14,593  | \$ | 20,727  | <b>Commercial Revenue</b>    | \$   | 8,460    | \$  | 35,954  | \$ | 63,449  |  |  |
| Total Revenue                                  | \$   | 104,866  | \$  | 180,893 | \$ | 256,921 | <b>Total Revenue</b>         | \$   | 104,866  | \$  | 180,563 | \$ | 256,261 |  |  |
|  |      |          |     |         |    |         |                              |  |          |     |         |    |         |  |  |
| Actual Expenses/Budget                         | \$   | 131,888  | \$  | 179,920 | \$ | 179,920 | Actual Expenses/Budget       | \$   | 131,888  | \$  | 179,920 | \$ | 179,920 |  |  |
| Revenue - Budget Expenses                      | \$   | (27,022) | \$  | 973     | \$ | 77,001  | Revenue - Budget Expenses    | es \$ (27,0                                    |          | \$  | 643     | \$ | 76,341  |  |  |
|  |      |          |     |         |    |         |                              |  |          |     |         |    |         |  |  |
|  |      |          |     |         |    |         |                              |  |          |     |         |    |         |  |  |
| 5-Yr Average Expenses                          | \$   | 115,157  | \$  | 115,158 | \$ | 115,159 | 5-Yr Average Expenses        | \$   | 115,157  | \$  | 115,158 | \$ | 115,159 |  |  |
| Revenue - 5-Yr Avg Expenses                    | \$   | (10,291) | \$  | 65,735  | \$ | 141,762 | Revenue - 5-Yr Avg Expenses  | \$   | (10,291) | \$  | 65,405  | \$ | 141,102 |  |  |

# Sewer Rate Increase - Summary Matrix

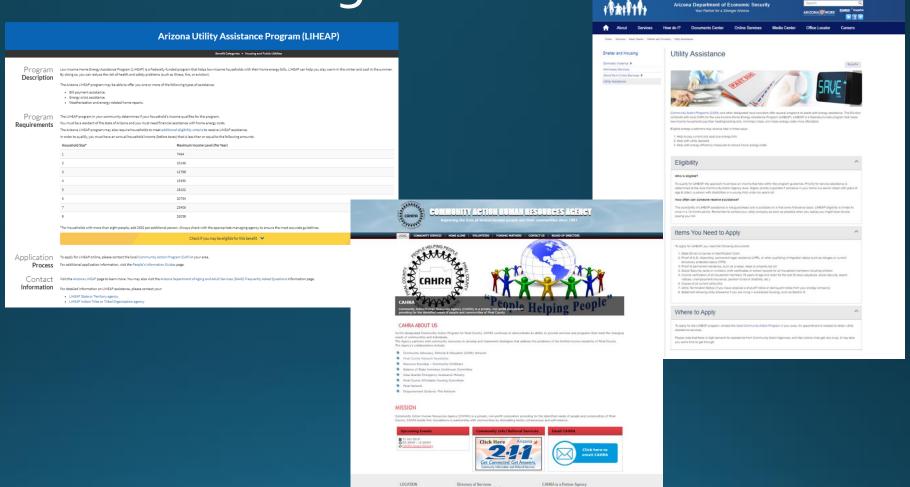
| Town of Mammoth - Monthly Sewe                    | r Rat | te Incre | ease | Matrix   |                |              |  |           |     |          |                |              |  |  |  |  |
|---|-------|----------|------|----------|----------------|--------------|--|-----------|-----|----------|----------------|--------------|--|--|--|--|
|   |       |          |      |          |                |              |  |           |     |          |                |              |  |  |  |  |
|   | Op    | otion 1: | Sam  |          | crease for Res | dential and  | Option 2: Different Rate Increase for Residential and Commercial |           |     |          |                |              |  |  |  |  |
| Posidontial, \$15 62/Commorisal, \$24.21          | Res   | idential | Con  | nmercial | \$ Residential | % Commercial | Re   | sidential | Cor | nmercial | \$ Residential | % Commercial |  |  |  |  |
| Residential: \$15.63/Commerical: \$24.31          |       | Rate     |      | Rate     | Increase       | Increase     |  | Rate      |     | Rate     | Increase       | Increase     |  |  |  |  |
| FY21 Revenue Exceeds 5-Yr Avg<br>Expenses         | \$    | 17.19    | \$   | 26.74    | 10%            | 10%          |  |           |     |          |                |              |  |  |  |  |
| FY20 & FY21 Revenue Exceeds 5-Yr Avg Expenses     | \$    | 18.76    | \$   | 29.17    | 20%            | 20%          | \$   | 17.19     | \$  | 58.34    | 10%            | 140%         |  |  |  |  |
| FY21 Revenue Exceeds Assumed FY21 Budget Expenses | \$    | 26.88    | \$   | 41.81    | 72%            | 72%          | \$   | 25.16     | \$  | 72.93    | 61%            | 200%         |  |  |  |  |
| FY20 Revenue Exceeds Actual FY20 Budget Expenses  | \$    | 38.29    | \$   | 59.56    | 145%           | 145%         | \$   | 31.26     | \$  | 182.33   | 100%           | 650%         |  |  |  |  |

# Sewer Rate Summary

- The Town needs to decide on the actual sewer rate increase it wants to approve, effective January 1, 2020
- The Town Council now has all the information it needs to make the best decision for the Town
- The Sewer Rate Model can be used to estimate the effect of different rates increases based on the cash flow the Town Council wishes to achieve
- It is important to make sure the sewer expenses and revenues are properly accounted for

# Customer Assistance Programs

- State
- County
- Local
  - Utility
  - Non-Profits
  - Churches
  - Other



Most Programs Based on Need (income/poverty level/disabilities)

## Customer Assistance Programs – Types of CAPs

Bill Discount. Utilities reduce a customer's bill, usually long-term. Can be applied to nearly any type of rate structure or aspect of the bill (e.g., variable rate structure, fixed service charge, and volumetric charge). Also known as write-off, reduced fixed fee.

Flexible Terms. Utilities help customers afford services and pay bills through arrearage forgiveness (e.g., rewarding timely bill payments by partially forgiving old debt and establishing a payment plan for future payments), bill timing adjustment (e.g., moving from quarterly to monthly billing cycles), or levelized billing (e.g., dividing total anticipated annual water and sewer bill by 12 to create a predictable monthly bill amount). Common categories of different program types include payment plans, connection loans, managing arrears, levelized billing, bill timing.

**Temporary Assistance.** Utilities help customers on a shortterm or one-time basis to prevent disconnection of service or restore service after disconnection for households facing an unexpected hardship (e.g., death, job loss, divorce, domestic violence). Also known as *emergency assistance*, *crisis assistance*, *grant*, *one-time reduction*.

Lifeline Rate. Customers pay a subsidized rate for a fixed amount of water, which is expected to cover that customer's basic water needs. When water use exceeds the initial fixed amount of water (i.e., the lifeline block), the rates increase. Also known as minimum bill, low-income rate structure, single tariff, water budget.

Water Efficiency. Utilities subsidize water efficiency measures by providing financial assistance for leak repairs and offering rebates for WaterSense-certified fixtures, toilets, and appliances. Also known as water conservation.

## Customer Assistance Programs - Examples

## COMMUNITY ACTION PROGRAM (CAP)

The Community Action Program (CAP) is a partnership between Maricopa County, Surprise and El Mirage that provides support services that foster self-sufficiency and stability during unexpected financial crises by providing limited temporary assistance with utility and eviction prevention for qualifying Surprise and El Mirage residents.

Residents seeking assistance will need to schedule an appointment and complete an application with a Resource Center staff member. The following information is required to complete the application:

- · Social Security cards for all household members
- . Documentation of U.S. Citizenship (birth certificate) or lawful residency of application
- . Documentation of household income received in the last 30 days prior to and including the appointment date for all family members
- · Latest utility bills for gas and electrical usage of residence including shut off or disconnect notices
- · Documentation of rent or mortgage payment including delinquency, eviction or foreclosure notices

Appointments are required for program consideration. Individuals who need an appointment should call on Mondays at 8:00 a.m. and leave a message that includes the following:

- · Address, including city and zip code
- · If there are children in the home
- . If there is someone with a disability living in the home
- · Type of assistance requested
- Contact information

Program staff will respond to messages within 48 business hours, depending on the number of requests. Weekly appointments are limited and assistance is based on available funding.

Call and leave a message to schedule your appointment at 623.222.HOPE(4673)

Visit www.surpriseaz.gov/socialservices to view additional resources and programs that are available to support you.

The Resource Center does not discriminate on the basis of race, color, religion, national origin, familial circumstance, sex, disability or age.

## Arizona

## Pima County | Pima County Regional Wastewater Reclamation Department

402,575 population served

Program: Sewer Outreach Subsidy (SOS) Program

Type: Bill Discount

Households Targeted: Low-Income

### **Program Description**

Offers a 25%, 50%, or 75% discount on monthly sewer fees, including the flat monthly service fee of \$12.63, based on federal poverty guidelines for household sizes. Administered as part of a partnership with the Pima County Community Action Agency.

## **Eligibility Information**

- Be a residential sewer customer.
- · Have a water/sewer bill in applicant's name.
- To qualify for a 25% reduction, total household income must meet program guidelines starting at \$17,655/year for 1 person per household to \$61,335/year for 8 persons per household (\$6,240 for each additional person).
- To qualify for a 50% reduction, total household income must meet program guidelines starting at \$14,713/year for 1 person per household to \$51,113/year for 8 persons per household (\$5,200 for each additional person)
- To qualify for a 75% reduction, total household income must meet program guidelines starting at \$11,770/year for 1 person per household to \$40,890/year for 8 persons per household (\$4,160 for each additional person).

### More Information

http://webcms.pima.gov/cms/one.aspx?portalld=169&pageld=195661

## Tucson | Tucson Water

712,700 population served

**5**0

Type: Bill Discount

Program: Low-Income Assistance Program

Households Targeted: Low-Income

## **Program Description**

Provides a 50% monthly low-income bill credit on the Utility Services Statement.

## **Eligibility Information**

- Must be a Tucson Water customer.
- Utility Services Statement must be in applicant's name.
- Must provide proof that applicant is qualified through on the following programs: Pima County Community
  and Economic Development, City of Tucson Environmental Services Department, or City of Tucson Parks
  and Recreation Department.
- Household income must meet program guidelines starting at \$15,441/year for 1 person per household to \$76,360/year for 8 persons per household (\$8,584 for each additional person).

### More Information

https://www.tucsonaz.gov/water/low-income

City invites donations to bill-pay assistance program



The City of Yuma invites residents who like to "give back" the opportunity to donate to enhance the fund that provides single-time bill-payment assistance to customers with temporary hardships.

The City introduces the Yuma Cares program, which is part of the utility payment assistance program that the City runs through the Western Arizona Council of Governments, or WACOG. Yuma Cares introduces the opportunity for more fortunate customers to choose to add additional money to their city services bill payment which would contribute to the fund that pays for the bill payment assistance program.

A voluntary program, it would be up to the donor as to how much they would choose to donate. One common method already used by a number of city services customers is the "round up" method, where the customer would round up his or her payment to a whole amount. For example, a bill of \$118.66 could be rounded up to the nearest dollar, \$119, or the nearest ten dollars, \$120. The customer decides.

Another option would be to contribute a larger amount. This amount would perhaps be a better fit for a customer who had just received a large bonus or commission.

Now in its third year, the bill payment assistance program is currently funded through delinquency fees paid by customers. The program's goal is to prevent customers who are behind on their payment due to temporary hardship from water service disconnection. The program also educates families on how to reduce consumption.

To receive this assistance through WACOG, customers must not have requested similar assistance within the same year, must not have other debt with the City and cannot have been found to have tampered with their water meter.

Donations through Yuma Cares would boost recent upgrades to the assistance program. The City has proposed to increase the maximum amount of payment assistance up to \$250. Furthermore, if that \$250 maximum amount exceeds the amount due, that remainder may serve as a credit balance for qualifying customers. Qualifications for this assistance are determined by WACOG on a case-by-case basis.

Also, customers who have experienced a hardship will no longer have to wait until they are past due to request assistance through this program.

To donate to Yuma Cares, visit www.yumaaz.gov, and under Quick Links click on the top option, Pay Your Water Bill. Follow your preferred option for payment, then round your payment up to the amount of your choosing.

To request assistance through this program, call the City's customer service line at 373-5076 during business hours (7 a.m. to 6 p.m. Monday through Thursday and 7 a.m. to 5 p.m. every other Friday), or call WACOG on Fridays at 928-782-3462.

Tags: City services bill, Donate, donations, drinking water, recycling, solid waste, water

## Conclusion

- The Town of Mammoth must increase water/sewer rates in order to balance the budget and continue to provide services to customers
  - Other possible options: unincorporate, sell utilities to private companies
- There are many different options to raise rates to lower the impact on customers
- There are customer assistance programs available to help low/fixed -income customers – Mammoth can develop its own CAP
- The Current Plan is to raise rates, effective January 1, 2020
  - Report available to customers on 10/21/19
  - Public Hearing on 11/21/19
  - Adopt (by ordinance or resolution) the new rates after the hearing