



# Water / Wastewater Overview

December 14, 2023

# Water System Assets

- System likely originally constructed in 1940-1950
- 1991-line upgrades were performed in some areas
- Bobo pump station (three pumps)
- Four (4) groundwater wells with pump stations
- FM 3433 pump station (two pumps)
- Elevated Water Tower (1M gallon)
- Ground Storage Water Tanks (7 – Bobo, FM 3433 and wells)
- 17.5 miles of supply and distribution line
- Connections = 660
- Current Loss Rate = ~ 19%

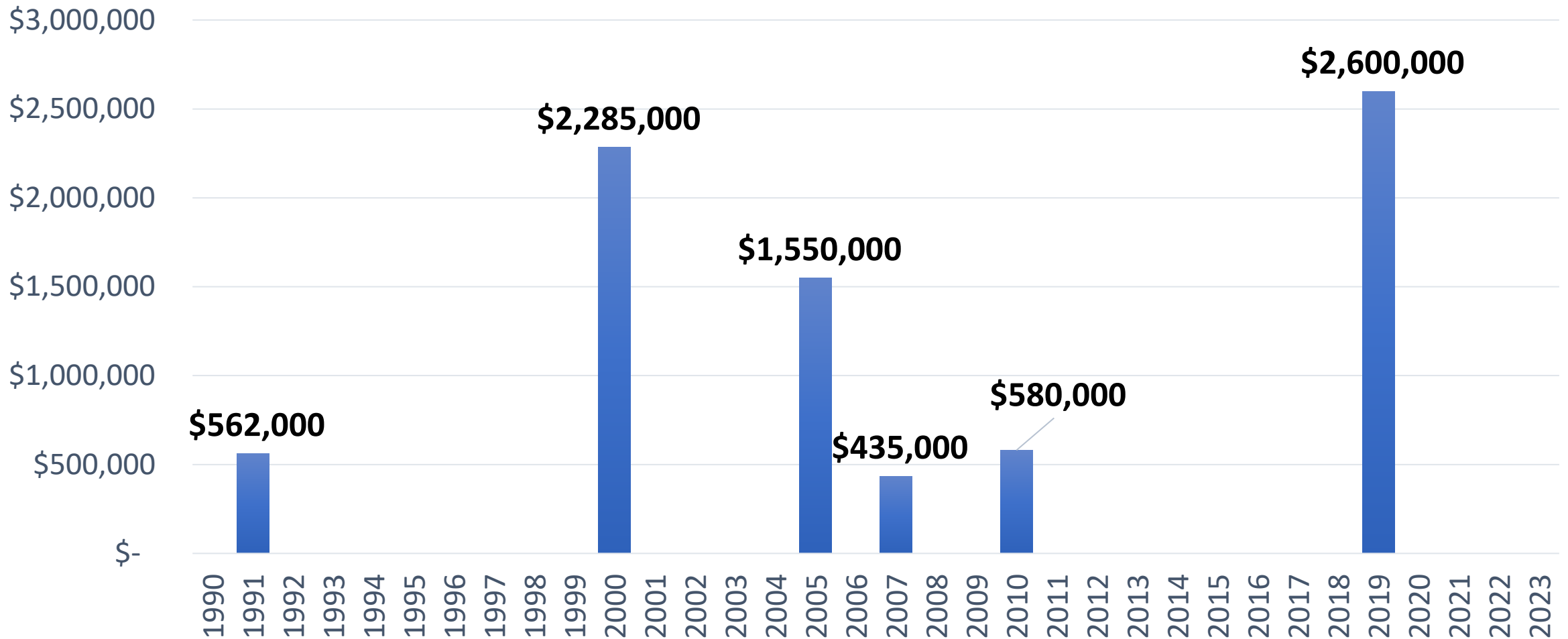
# Wastewater System Assets

- East Wastewater Treatment Plant (1991 = .10MGD)
- West Wastewater Treatment Plant (1998 = .15MGD)
- 9.5 miles of gravity flow piping
- 0.8 miles of sewer force main
- 150 manholes
- Two (2) main lift stations
- One (1) collection lift station

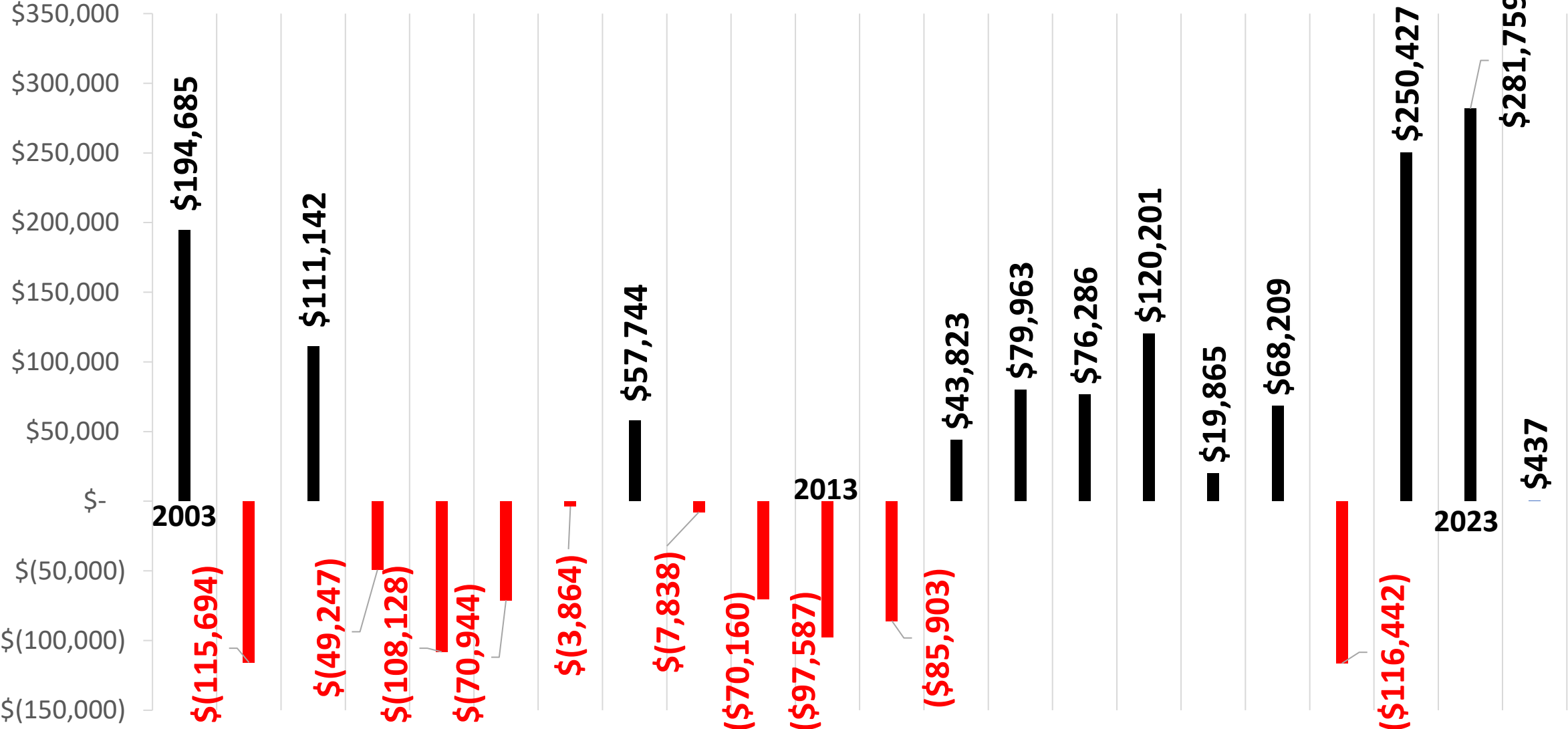
# Study / Reports Completed for System(s)

- Capital Improvement Plan (by Jacob/Martin) - 2016
- Drought Contingency Plan – 2019
- Water and Wastewater Impact Fee Study – 2020
- Long-term Water Supply Study – 2020
- Capital Improvement Plan – 2016
  
- Long-term Water Supply Study – 2020
- Water and Wastewater Rate Study – 2021
- Water System Master Plan – 2019 & 2020
- Wastewater System Master Plan – 2018, 2019 & 2020
- West Wastewater Plant Master Plan – 2019 & 2020
- East Wastewater Plant Master Plan – 2018
- Water & Wastewater Land Use Assumptions & CIP – 2019

# Investments in the System(s)



# Fund Performance – FY 2003 to 2024



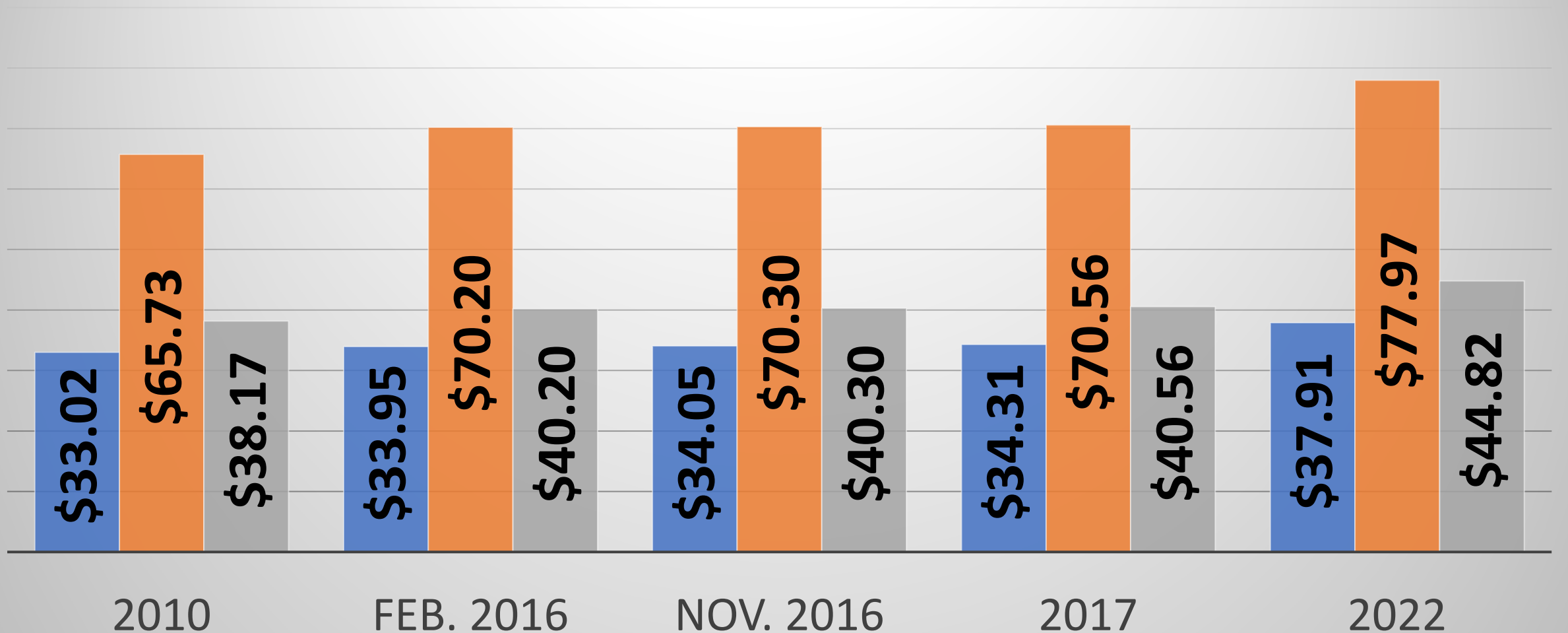
# Discussions of Rhome System

## FY 2013 Audit - Peter Chaney, CPA

- Advised water/sewer fund was “approaching insolvency”
- Deficiency as far back as 2005 (\$25K)
  - 2010 = \$261K
  - 2011 = \$265K
  - 2012 = \$265K
  - 2013 = \$423K

# Water Rate Review – Base Rate

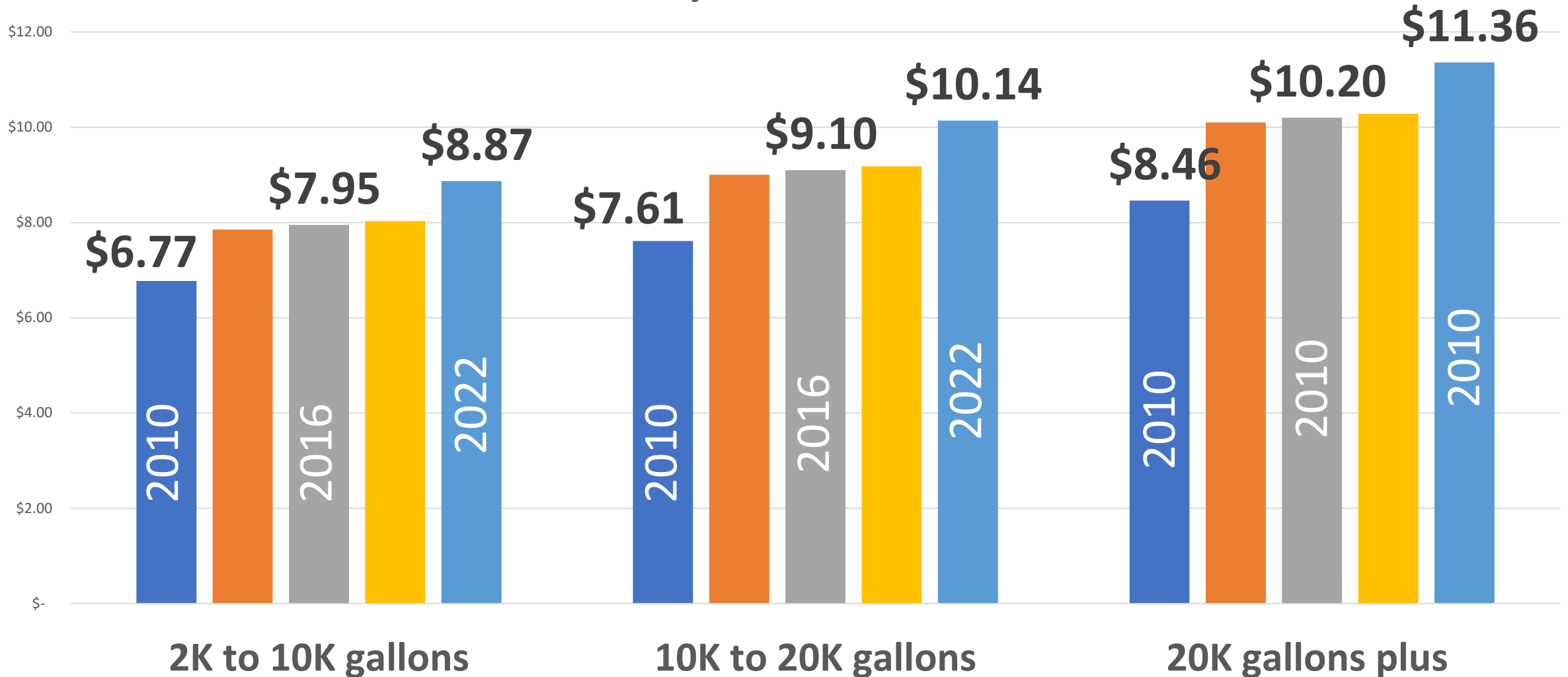
■ Resident Rate (up to 2K gallons) ■ Outside City Limits ■ Commercial





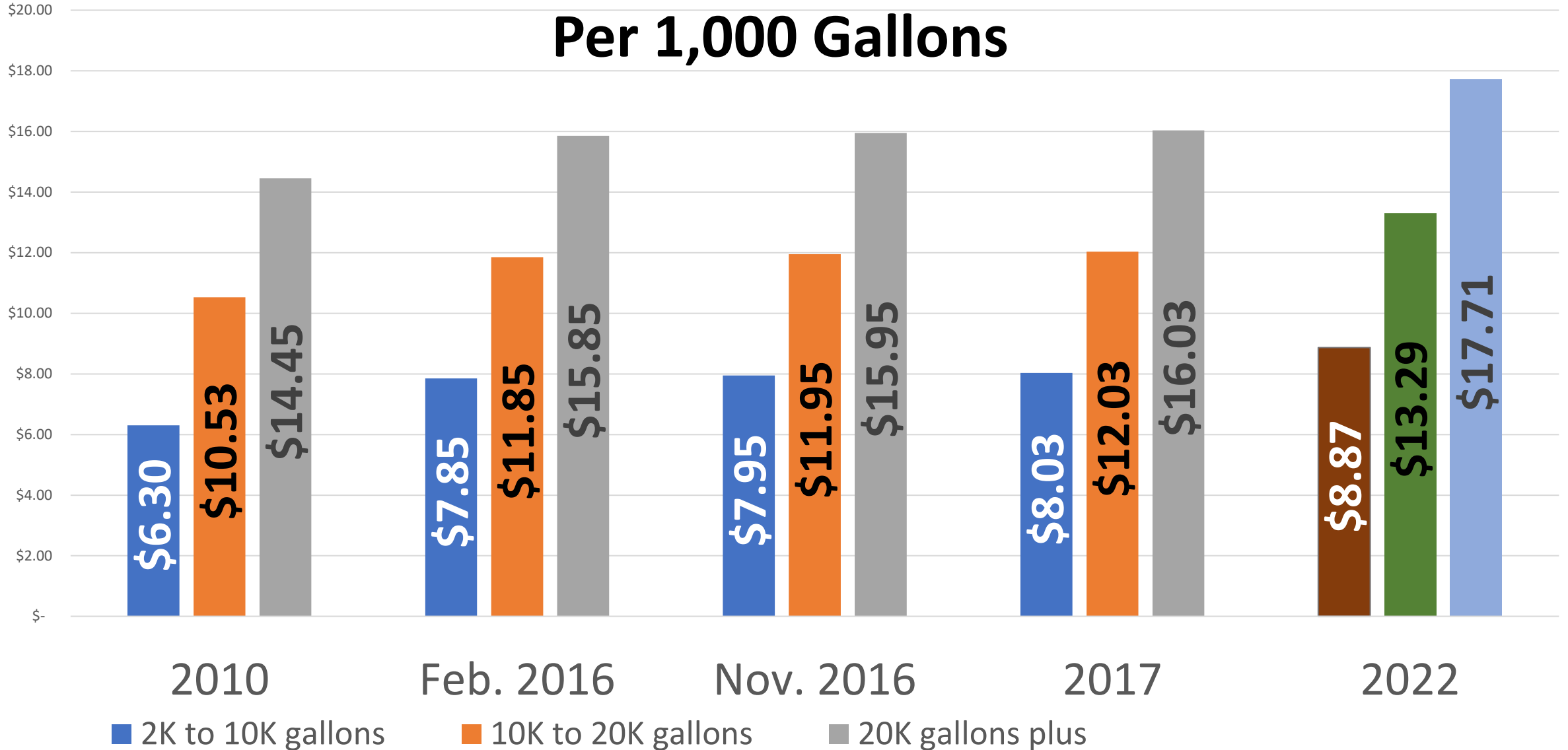
# Water Rate Review – Resident

## Per 1,000 Gallons



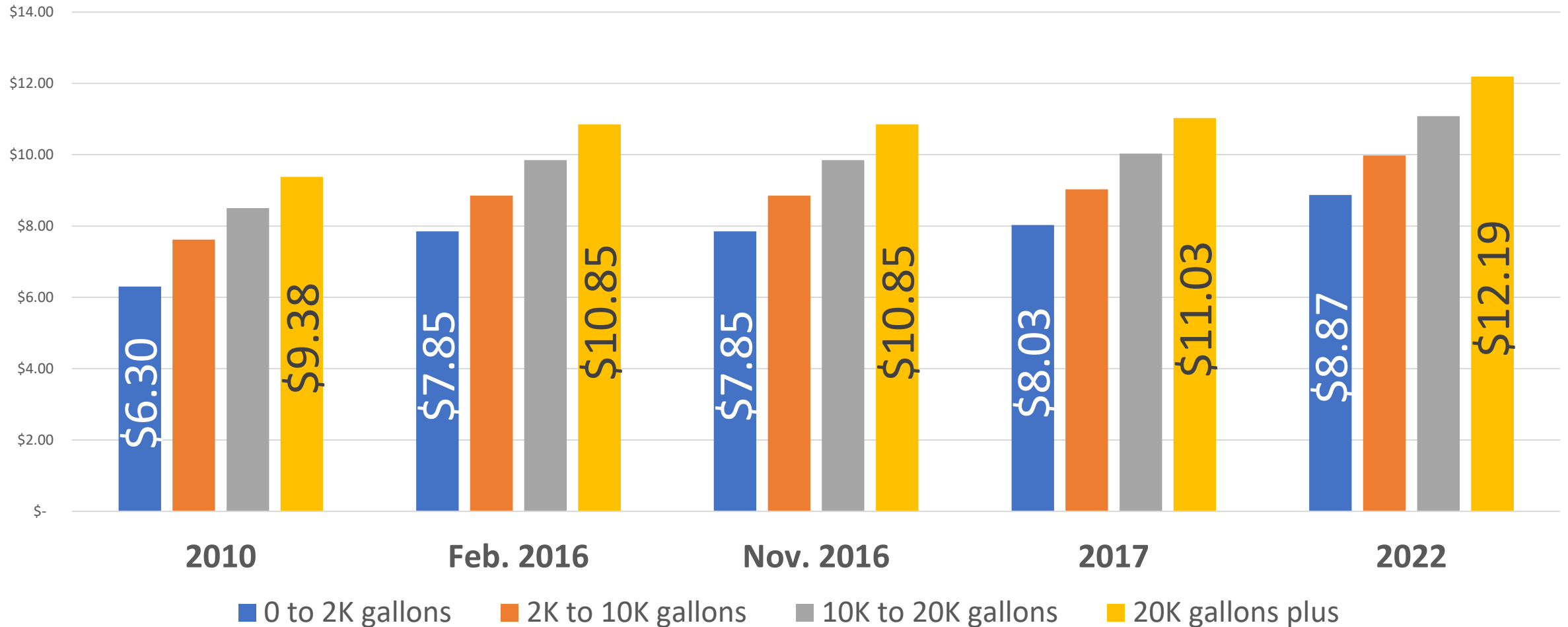
# Water Rate Review – Outside City Limits

**Per 1,000 Gallons**



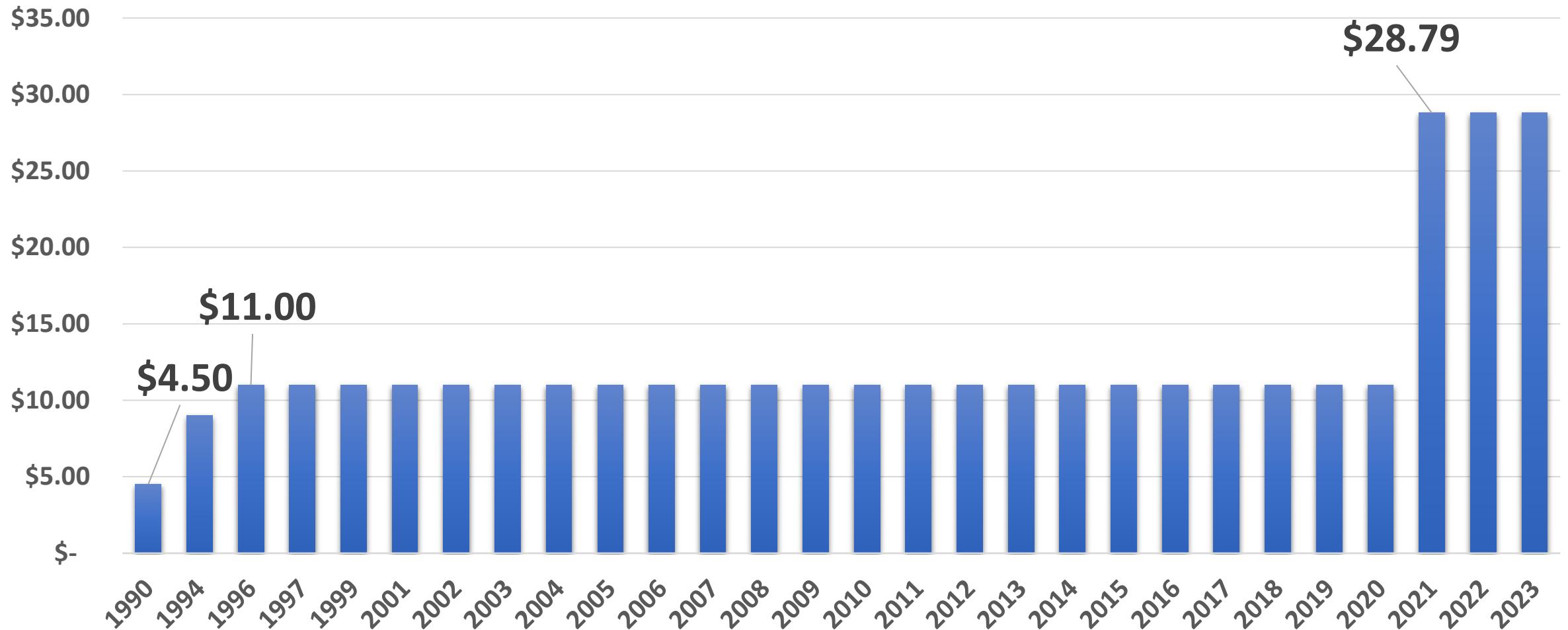
# Water Rate Review – Commercial

## Per 1,000 Gallons



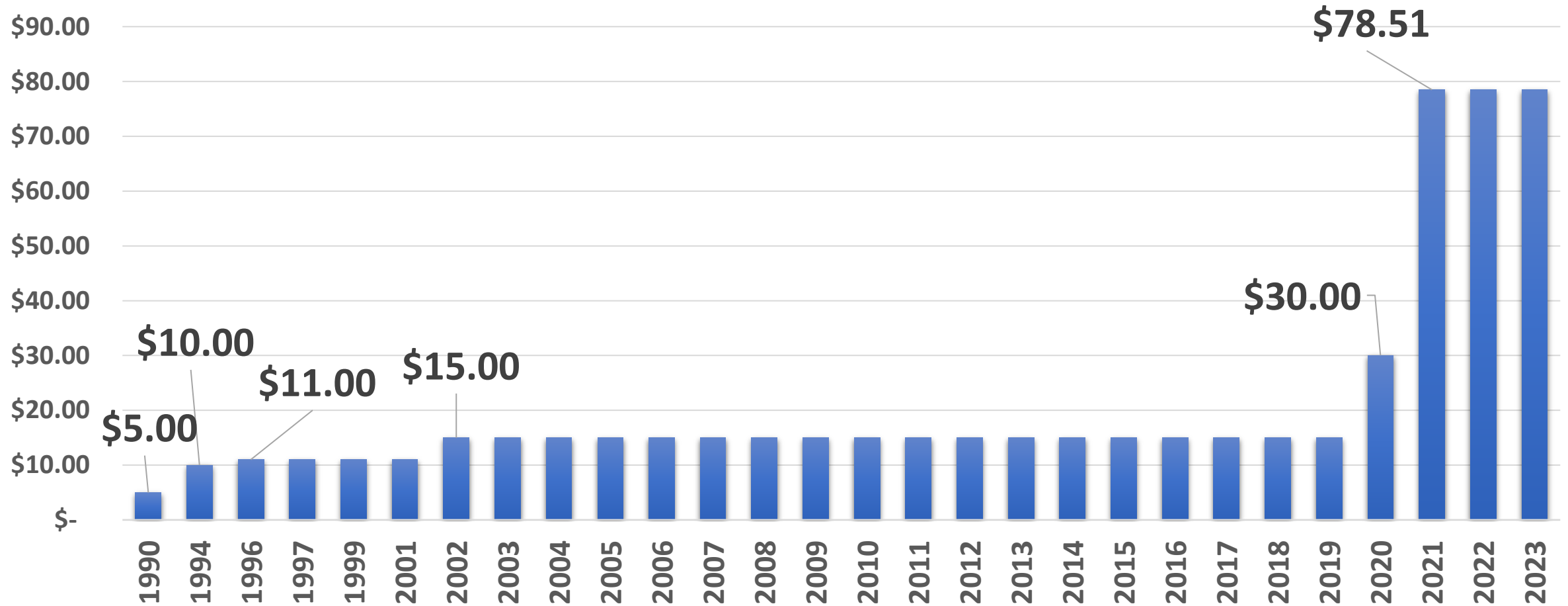
# Wastewater Rate Review – Residential

## Less than 4K gallons



# Wastewater Rate Review – Commercial

## Less than 4K gallons



# Average Use of Water



Residential Average = 5,000 gallons

Commercial  
Average = 18,000 gallons



# State Programs - Grants / Loans

- Drinking Water State Revolving Fund (DWSRF) Loan
- Texas Water Dev. Board Fund (DFund) Loan
- Clean Water State Revolving Fund (CWSRF)
- Upper Trinity Groundwater Conservation District
- SWIFT Loans

# Wise Regional Water Meeting

- Justin, Aurora, Boyd, New Fairview, Rhome
- Representative from Senator Parker's office
- Representative from Congressman Burgess' office
- Representative from Dr. Stucky's office
- County Commissioner Representative