

CITIZEN'S RATE REVIEW COMMITTEE

NON-POTABLE WATER

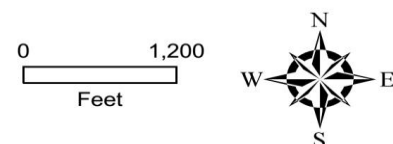


JANUARY 21, 2016

NON-POTABLE WATER SYSTEM

- Consists of 2 water sources
 - Otis Springs
 - Reuse water from the Wastewater Treatment Plant

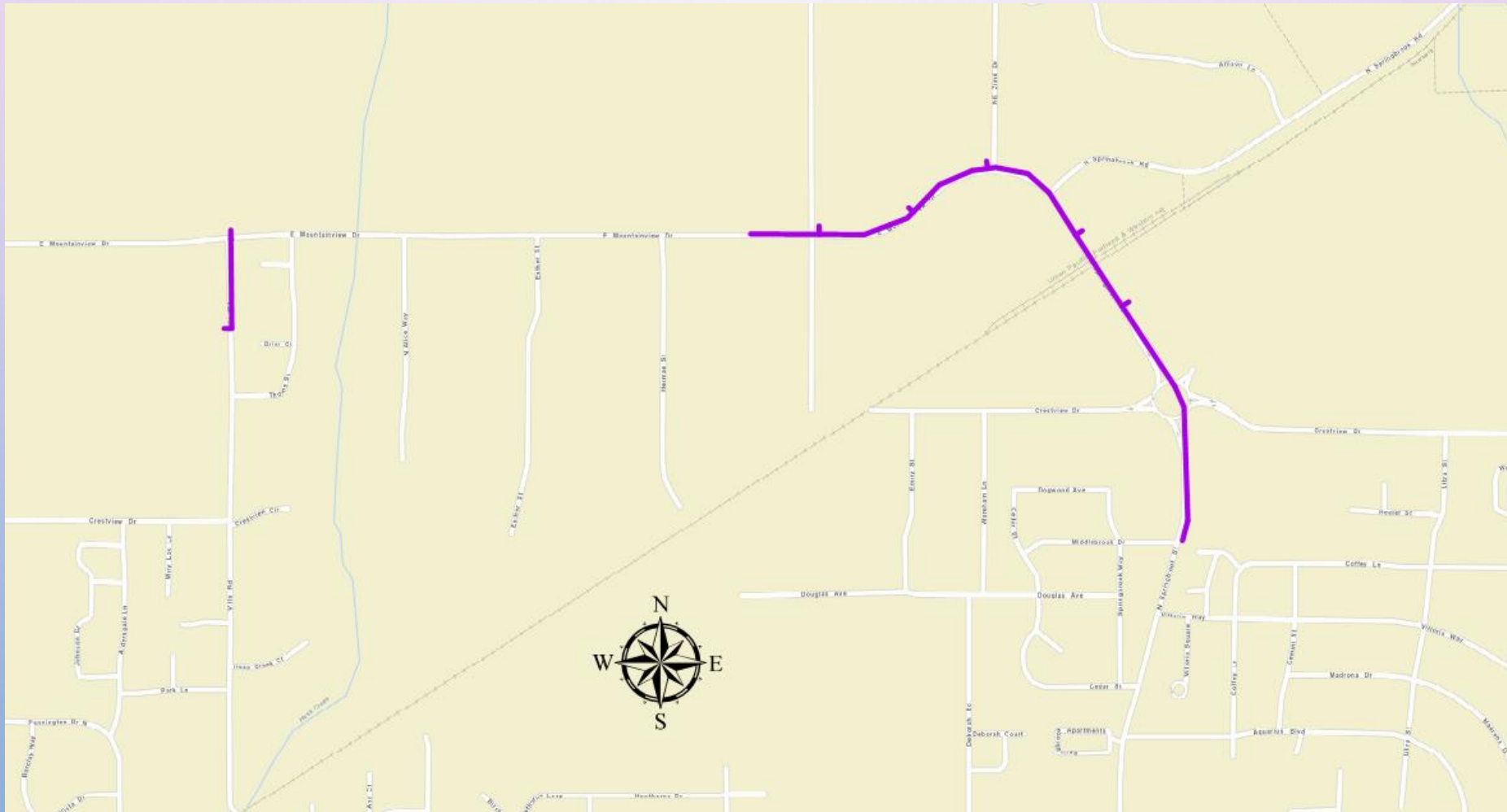




City of Newberg **Non-Potable Water System Map** **WWTP Reuse System & Otis Spring**

1/14/2016

ADDITIONAL NON-POTABLE PIPE



REUSE WATER

- Membrane Filtration System
- Class A Recycled Water
- Currently can produce 1 mg – can be expanded to 2 mg
- Permitted by DEQ for use at the Golf Course only
- Not currently required for our effluent discharge to the Willamette River
- Changes to use must go to DEQ for new permit
- Regulations for use require notification at the location of use (signs)



OTIS SPRINGS

- City used Otis Springs as a secondary water source until the 1980s
- 1919 water right is for 2.58 million gallons per day
- Produces 0.3-0.5 million gallons per day
- No treatment is provided
- Onsite storage of 300,000 gallons



Recycled Water Volume Charges

■ Recycled Water Volume Charge (100cf)

■ Percentage of Potable Rate

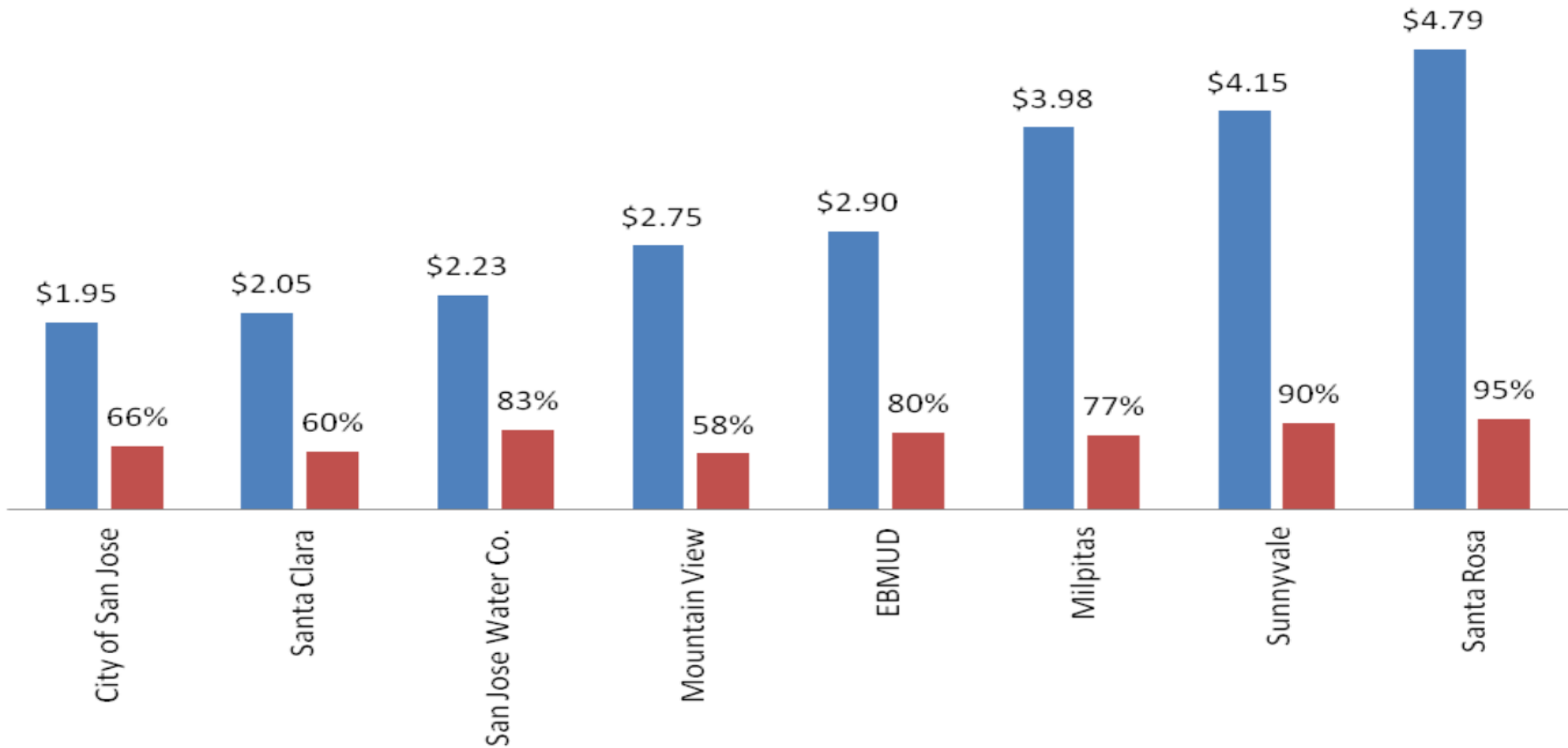


Figure 5 Comparison of Recycled Water versus Potable Water Rates

CLEAN WATER SERVICES RATE

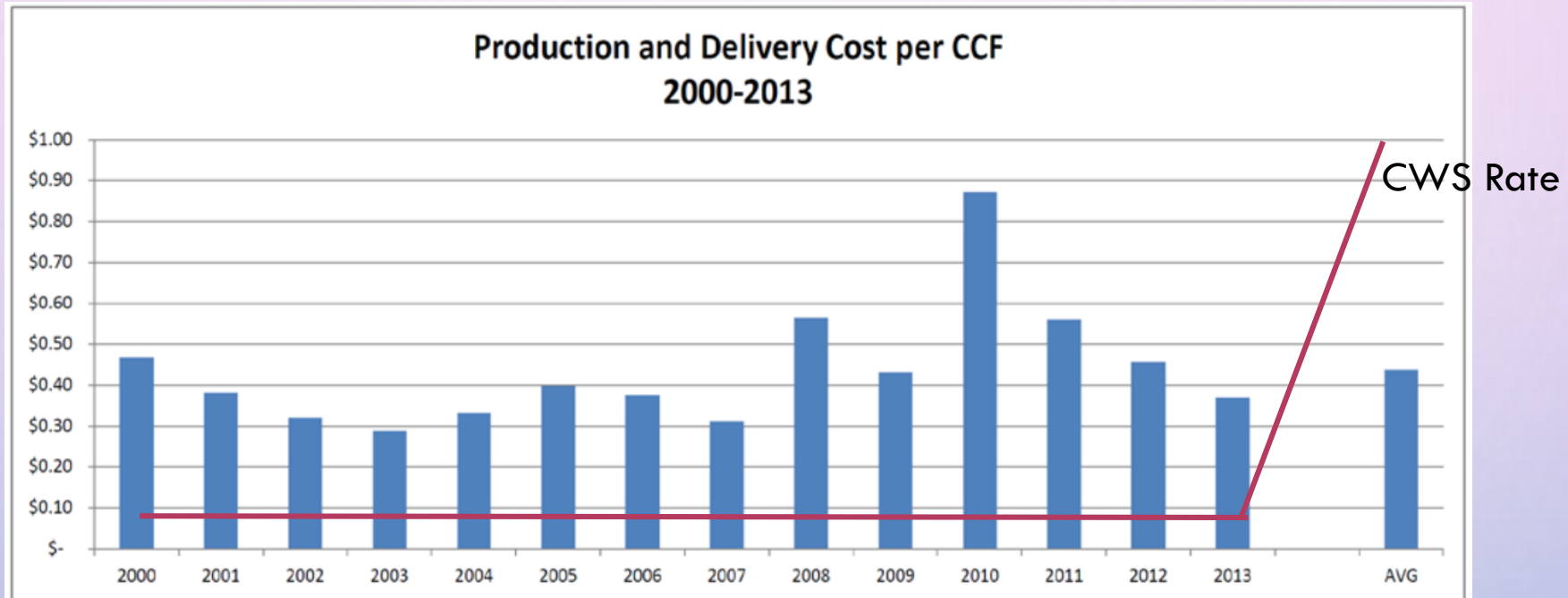


Figure 4 Estimated Production and Delivery Cost per CCF

- CWS does no additional treatment to their recycled water other than adding additional chlorine due to their permit requirements.
- The golf courses installed and been maintaining their piping systems.
- The new CWS rate (\$1.00/ccf) will now include CWS maintenance of the existing piping systems.
- CWS has some O&M costs but does not have any capital costs to retire.