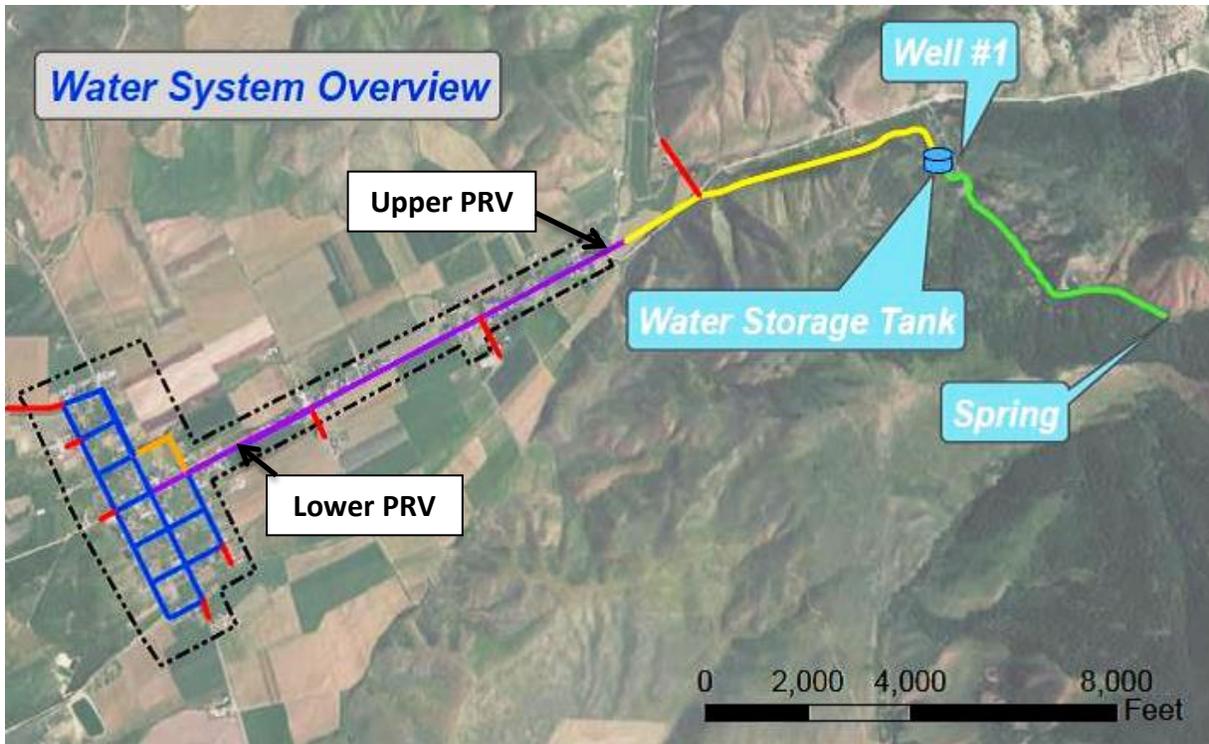


Drinking Water State Revolving Fund Green Project Reserve
- Interim -



City of Georgetown Drinking Water Facility Project
SRF Loan #DW 1905 (pop. 470)
\$410,000

Green Project Reserve Technical Memorandum

Categorical GPR Documentation

INSTALLS PRESSURE SUSTAINING VALVES (Water Efficiency). Categorical GPR per 2.2-12: *Installing water efficient devices.* (\$37,060).

1. PRESSURE SUSTAINING VALVES¹

Summary

- Pressure Sustaining Valves (PRVs) will be replaced to reduce pressure in the system .
- Loan amount = \$410,000
- GPR-eligible = 9% (\$36,060) (Bid price)

Background

- The City must replace two outdated and malfunctioning PRVs in the drinking water system in order to ensure acceptable water pressure entering residences.
- The upper PRV is currently located at elevation of 6,175 feet; the inlet pressure is 116 psi and is reduced to 86 psi through the PRV.
- The lower PRV is currently located at elevation 6,040 feet; the inlet pressure is 144 psi and is reduced to 80 psi through the PRV.



Results

- Replacing the PRVs is an important feature for controlling the pressure in the system, improving reliability, reducing inefficiencies, and reducing maintenance needs.

Conclusion

- Pressure Regulating valve (PRV) installation The PRVs are categorically GPR-eligible as they are water efficient devices.
- **GRP Costs Identified**
PRV installed = \$18,530 each x 2 = **Total = \$36,060** (Bid Price)
- **GPR Justification:** The PRVs are Categorically GPR eligible (Water Efficiency) per Section 2.2-12²: *Installing water efficient devices...*



¹ Waterline Extension & Improvements Project Technical Memo, Kevin Martin, Sunrise Engineering, April 2019

² Attachment 2. April 21, 2011 EPA Guidance for Determining Project Eligibility