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

Preliminary Green Project Reserve Justification

Categorical GPR Documentation

INSTALLS PRESSURE SUSTAINING VALVES (Water Efficiency). Categorical GPR per 2.2-12: Installing water efficient devices. ($44,000).

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1 To be updated in the GPR Technical Memorandum to be submitted by the loan recipient at time of bid approval.
1. **Pressure Sustaining Valves**\(^2\) (Preliminary)

**Summary**

- Pressure Sustaining Valves (PRVs) will be replaced to reduce pressure in the system.
- Loan amount = $410,000
- GPR-eligible = 9% ($44,000) (Preliminary)

**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- The City must replace two outdated and malfunctioning PRVs in the drinking water system in order to ensure acceptable water pressure entering residences.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 = $22,000 each x 2 = Total = $44,000
  
  (Preliminary Estimate)

- **GPR Justification**: The PRVs are Categorically GPR eligible (Water Efficiency) per Section 2.2-12\(^3\): *Installing water efficient devices*...

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\(^2\) Waterline Extension & Improvements Project Technical Memo, Kevin Martin, Sunrise Engineering, April 2019

\(^3\) Attachment 2. April 21, 2011 EPA Guidance for Determining Project Eligibility