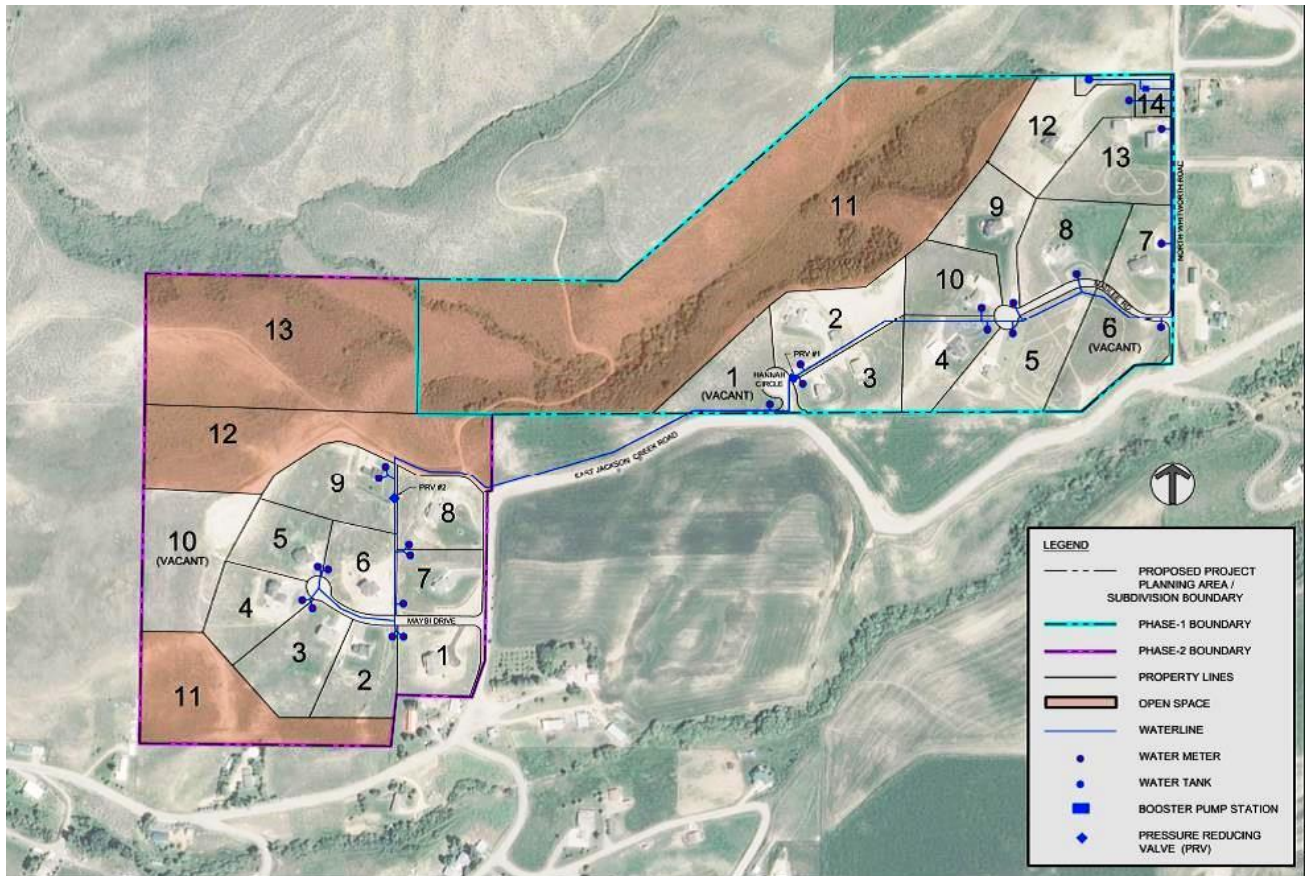


Drinking Water State Revolving Fund FY14 Green Project Reserve

- Final -



Moose Mountain Home Owners Association

FY14 DW Project (pop 80)

SRF Loan #DW 1405

\$378,000

Final Green Project Reserve Justification

Categorical GPR Documentation

RENOVATION OF WATER METERING SYSTEM (Water Efficiency). Categorical GPR per 2.2-2:
Installing any type of water meter in previously unmetered areas (\$2,252).

Categorical Case

1. WATER METER RENOVATION¹

Summary

- The Moose Mountain Subdivision Home Owners Association water distribution system consists of 6-inch PVC underground water mains and 2-inch pipes in the booster station; water meters at 14 out of 19 lots, water valves, and two pressure reducing valves. Individual mainline sections can be shut off by use of installed water valves. Water meters are positioned near the access to each lot.
- Estimated loan amount = \$378,000
- Estimated energy efficient (green) portion of loan <1% (\$2,252)

Background

- Moose Mountain Subdivision Property Owners Association is located in Bannock County, approximately 3 miles east of Inkom, Idaho and occupies approximately 114 acres.
- The Moose Mountain Subdivision water system provides drinking water to 19 service connections.
- The existing ground water well is located on the property of the Subdivision and is the only source of drinking water for the residents. It does not produce sufficient quantity of water to meet the system demand.
- Part of the MMS drinking water system is a 23,000-gallon underground cast-in-place concrete storage tank.
- 14 of the 19 lots are equipped with a water meter. As part of the project water meters were installed on 2 of the remaining 5 connections to enable the Subdivision to eventually develop a usage rate structure and water conservation programs.



Results

- Accurate water flow measurement will encourage water conservation by residents, and allow for the eventual development of a usage rate structure.
- Conserving water will also result in conserving energy as less pumping will be required

Conclusion²

- Installing meters in previously unmetered areas is Categorically GPR-eligible.
- **GPR Costs:** Provision of water meters = \$2,252.
- **GPR Justification:** The installation of new water meters is Categorically GPR-eligible per Section 2.2-2³ (Water Efficient): *“Installing any type of water meter in a previously unmetered area.”*

¹ Moose Mountain Subdivision Water Facility Planning Study, Keller Associates, January 2014

² Keller Engineers 11-30-15 email to K McNeill, IDEQ

³ Attachment 2. April 2011 EPA Guidance for Determining GPR Eligibility for FY12 SRF Projects