

EMERGENCY GRANT REPORT

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION-RESOURCE DEVELOPMENT BUREAU

Report Date: January 1, 2016

Renewable Resource Grant and Loan Program	Emergency Grant
Appropriation for the 2017 Biennium	\$100,000
Carryover from 2015	\$ 15,000
2017 Appropriation Balance:	\$ 65,000

Yellowstone Irrigation District **\$20,000**
Canal Failure Emergency Repair Project-2015
September 2015

Yellowstone Irrigation District (Rosebud-Treasure Counties) diverts water from the Yellowstone River near Forsyth to a system of canals that irrigates 11,898 acres. The annual assessment is \$11 per acre, producing an annual revenue of \$130,878. The approximate O&M budget for 2015 is approximately \$100,000 plus and additional \$30,000 that was included for canal maintenance in the failed section that is the subject of this emergency grant request.

On August 8, 2015, a section of concrete-lined canal failed due to probable seepage and embankment failure. A local contractor from Forsyth was hired to repair the failure; repairs were completed by August 18, 2015. The repair consisted of concrete rubble removal, reshaping and compaction of the canal prism, and lining with 30-mil *Hueskers* liner material at an approximate cost of \$160,000.

Town of Philipsburg **\$20,000**
Water System Emergency Repairs-2015
December 2015

In early September, a water main serving 13 residences along Main Street failed, leaving those connections without water until repairs could be made. Due to the extent of deterioration, the town elected to connect the houses to a parallel 8" line on the opposite side of the street. This was done at an approximate cost of \$80,000, and the work was completed within a one-week timeframe. The work involved the abandonment of the failed water line and directionally drilling each of the service connections under Main Street to the parallel line on the opposite side of the street.

**Town of Winifred
Water System Emergency Repairs-2015
January 2016**

\$10,000

In September, 2014, an inspection of the on-grade steel water storage reservoir that provides storage for Winifred's municipal water system revealed a collapsed roof. In response, Maguire Iron, Inc., a midwest steel tank design and construction firm, was contracted to inspect the structural integrity of the tank and recommend an emergency fix, since the tank is scheduled to be replaced as part of a water system improvements project pending the success of grant applications to both the TSEP and RRGL programs in 2014. The proposed fix is to externally rig and jack the roof to its normal position and weld external steel support beams to prevent further collapse and potential total failure.

In October, 2014, a \$10,000 RRGL emergency grant was awarded; however, in an effort to minimize costs, the town elected to perform the repairs themselves, and the RRGL grant was terminated with no disbursements having been made.

One year later, in the fall of 2015, it became apparent that the town's fix was inadequate, and Maguire Iron, a tank fabricator, was hired to make substantial and necessary repairs to the tank roof. The cost of the project was \$28,000.