

## Lockwood Irrigation District

### Intake Canal Spillway Replacement Project

Over the last year the Lockwood Irrigation District (LID) has worked with the DNRC and a contracted engineering firm to analyze their irrigation infrastructure and develop a conditional assessment report. The parties developed an Irrigation Infrastructure Report that identified the condition of the existing delivery system. Additionally, a Rehabilitation Priorities List was developed to identify the critical structures in need of rehabilitation. The goal of the two documents was to identify projects that would provide significant water savings, increase irrigation efficiency, and preserve operation. Replacement of the Intake Canal Spillway was the highest ranked priority. A field inspection conducted in October 2009 documented the condition of the intake canal spillway, noting severe deterioration and structural deficiencies. Failure of the structure would eliminate the water supply to the LID and the secondary supply for the Lockwood Water District. Replacement of the structure is required to preserve operation of the LID; preserve the secondary water supply for the Lockwood Water District; improve operational efficiency; and preserve water quality in the Yellowstone River. The improvements are the first step toward preserving continued operation of the LID, improving system efficiency, and improving water management.

The improvements will result in improved conservation, management, and preservation of land and water resources that are important to LID members. A potential failure in the Intake Canal Spillway will eliminate the water supply to the LID and could amount to revenue losses of up to \$569,050 from reduced crop production and increased water rates from the Water District. Implementation of the proposed improvements will result in the preservation of the LID system.

The replacement of the Intake Canal Spillway will provide the following benefits:

- Preservation of the secondary water supply for the Lockwood Water District
- Preservation of the sole water source for the Lockwood Irrigation District
- Improved operational efficiency
- Preservation of the water quality in the Yellowstone River
- Reduction in peak demand on the Lockwood Water Treatment Facility in the summer
- Reduction of energy consumption by the Water Treatment Facility
- Minimize residential irrigation rates
- Reduction in operation and maintenance
- Minimization of wasted water
- Ensure a sustainable water supply
- Increased development

<b>Grant Request Amount:</b>	<b>\$100,000.00</b>
<b>Lockwood Irrigation District Match Amount:</b>	<b>\$218,615.00</b>
<b>Estimated Total Project Cost:</b>	<b>\$318,615.00</b>

Lockwood Irrigation District sincerely appreciates your consideration of this project and hopes that you will find it as important and necessary as our residents and your constituents have.



