

Pondera County Conservation District

Pondera County Canal and Reservoir Company KB2 Canal Rehabilitation Project

The KB2 Canal is one of the major distribution canals in the PCCRC's Kingsbury District. The canal receives water from Birch Creek which is fed by Swift Reservoir. This 30,000 acre-foot reservoir is owned and operated by PCCRC. PCCRC is continually completing projects to repair its infrastructure and canals within the irrigation system. With the majority of large scale projects completed, PCCRC has now turned its attention to the canals and laterals within the system to improve water conservation and irrigation efficiency.

A 3-mile section of the KB2 Canal has been identified by the PCCRC as exhibiting extreme seepage. Nearly 15 acres of prime farmland adjacent to the KB2 Canal have become sterile due to seepage that has caused the lands to become oversaturated/salinized. PCCRC documented the water loss through the Proposed Project Area of the KB2 Canal to be approximately 11.5 cfs over the 3-mile section during the 2011 irrigation season.

The proposed project is a crucial step toward the conservation, management, development, and preservation of land and water resources within the PCCRC. In addition, revenue generated from crop production could increase by approximately \$325,740 by alleviating seepage from the canal. In return, the local economy would benefit from the additional revenue.

The installation of canal liner through the 3-mile section of the Kingsbury District's KB2 Canal will provide the following benefits:

- Reduced seepage
- Increased water delivery efficiency
- Water conservation of approximately 1.14 billion gallons of water per year
- Increased on-farm irrigation efficiency
- Increased crop production
- Improved soil quality
- Improved water quantity and quality in Birch Creek
- Help maximize the beneficial use of water in Swift Reservoir and Birch Creek
- Preserve and revive the agricultural production on the acres adjacent to the project area affected by seepage caused oversaturation/soil salinity
- Conservation of water for recreation, fish, waterfowl, and wildlife habitat
- Improved local and state tax base

Grant Request Amount:	\$100,000.00
PCCRC Match Amount:	\$89,435.00
Estimated Total Project Cost:	\$189,435.00

PCCRC 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.

