



**NORTH AMERICAN DEVELOPMENT BANK
FACT SHEET**

**HIDALGO COUNTY IRRIGATION DISTRICT NO. 2,
TEXAS**

- Project:** Lateral “A” Water Conservation Improvements Project
- Cost:** US\$3,373,285
- Sponsor:** Hidalgo County Irrigation District No. 2
- Location:** The irrigation district is located in the central part of Hidalgo County, in the Lower Rio Grande Valley of Texas. The southwest corner of the district borders the Rio Grande River near the city of Hidalgo and extends north to the vicinity of Edinburg, Texas.
- Background:** The irrigation district was originally established in 1928 and covers 64,828 acres. The district delivers water to 47,000 acres of irrigable land under 4,000 water accounts. In addition, it provides raw water to five municipalities—Alamo, McAllen, Pharr, San Juan and Edinburg—and the North Alamo Water Supply Corporation.
- The district pumps water directly from the Rio Grande into a settling basin (reservoir) via a gravity canal and then into a conveyance system of pipelines and canals. In 2002, the district had an overall estimated conveyance efficiency of 80 percent, which indicates an average water loss of 11,176 acre-feet from evaporation and seepage.
- Constructed in 1911, Lateral “A” is a concrete lined canal running 7.26 miles east from the district’s reservoir, supplying water to 6,640 acres of land. The existing lining of the lateral is severely cracked and could fail due to continued deterioration and seepage.
- Description:** The project consists of covering Lateral A with a geomembrane liner, with an estimated long-term seepage reduction effectiveness of 95 percent, and a 3-inch shotcrete cover to protect the liner, thus extending its service life and reducing operation and maintenance requirements and costs.
- In addition, farm turnouts will be reconstructed so that portable meters can be used to set flow rates to fields.
- BECC Certification:** June 18, 2003

NADB Funding: Water Conservation Investment Fund (WCIF):
Grant: US\$586,383

These funds will be applied towards the construction costs.

Other Funding Sources: Additional grant funding will be provided by the State of Texas through an agreement with the State Energy Conservation Office (SECO). The District will cover the rest of the costs with its own resources, as well as in-kind services.

Benefits: The project will reduce water losses from seepage, resulting in an estimated savings of 2,542 acre-feet of water a year. Energy savings from reduced pumping requirements are estimated at 161,705 KWH/year on average. The new lining will also reduce operation and maintenance requirements and costs.

For more information, contact Juan Antonio Flores,
North American Development Bank, 210-231-8000.