

SUCCESS STORY

▶▶▶ INTEGRATING ACCOUNTING DATA WITH A GIS DATABASE

PROBLEM

The Central Nebraska Public Power and Irrigation District (CNPPID) is responsible for providing irrigation water to over 105,000 acres, electricity generation, flood control, recreational services on more than 26 lakes and providing and maintaining the lakeshores for over 1,100 private homes and cabins on six lakes. The CNPPID has a wide range of customers from irrigation customers to cabin owners. To better manage its services, the CNPPID wanted to integrate its current accounting system with a newly designed GIS database and to link both databases to their spatial data through an ArcView interface.

SOLUTION

ADC designed and created a GIS database in SQLServer to hold a variety of spatial information about land parcels, permits, violations, and other information necessary for state required reports. The GIS data was structured and organized to allow for both the GIS and accounting databases to be accessed via the GIS interface.

The complexity of the accounting system, in which one person might have different types of accounts, had to be accessible in many different ways.

RESULTS

ADC designed the system to provide information from both databases by simply clicking on a spatial feature, such as a parcel or a boat ramp. The user could also enter such information as a customer name or parcel id to automatically zoom to the location within the district and view all available spatial information. The CNPPID is now able to quickly access the information through the GIS system.

