



CPS ENERGY

CPS Energy is the nation's largest municipally-owned energy company providing both natural gas and electric service. Acquired by the City of San Antonio in 1942, it serves approximately 677,000 electric customers and almost 318,000 natural gas customers in and around San Antonio, the seventh largest city in the United States. Proceeds from CPS Energy remain in San Antonio and account for more than one-fifth of the City's annual operating budget for city services.

The Scope of Work for the first phase of the project was to convert and migrate the existing CAD data for the Gas and Electric Networks, including Landbase into ESRI's ArcGIS and Telvent Miner & Miner's ArcFM data models. This also included backlog work order posting in the gas and electric GIS models through a remote Citrix network connection.

This Landbase, Electric and Gas network project included existing CAD data clean-up, missing network data capture, network validation and translation and migration from existing formats into a GIS Network. The scope of work also included database creation and development of specialized software routines and tool kits to ensure the highest degree of quality performance and productivity.

The Scope of Work for the second phase of the project was to provide backlog work order posting for approximately 4,000 work orders and 6,700 services.

This scope also included the conversion of the Downtown Network Grid Drawings. Rolta converted the downtown grids including the street lighting networks and the primary and secondary network elements. We generated the appropriate Vault details including the bus and network controllers and connected these to the network generated in the grids. We also generated the manhole details as required to accomplish the connectivity of the primary, secondary and street light networks. Rolta converted the entire downtown UG structural network including manholes, vaults and duct banks. We created the containment for the primary, secondary and street light conductors into the duct bank.

Also included in the second phase of the project was the conversion of the underground structure network as indicated on the substation underground drawings and include the conversion of the distribution circuit conductors and their containment in the appropriate conduit and bore. We connected the circuit conductors to the existing network at the riser poles and relocate the breakers to their approximate location in the substation.

Rolta provided scripts for use by CPS in the appending of the new substation network data into the existing distribution network.

About Rolta

Rolta's knowledge of Geospatial Information Systems is based on our total commitment to quality and the achievement of excellence in the products and services we offer to our clients. Our organization has been globally recognized for its success in adding value to our customers and partner's businesses.

Through our investment in people, technology and infrastructure, Rolta has aggressively met emerging opportunities and enjoyed sustained financial growth. Rolta integrates its diverse knowledge and strategic alliances into innovative solutions that empower customers to address business challenges decisively and successfully.

