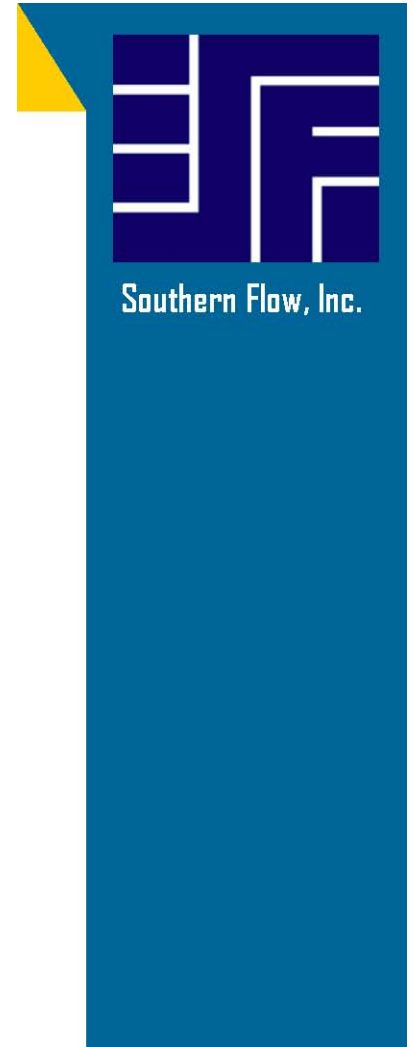


# City of Churchill, Tennessee



## 1<sup>st</sup> Utility District of Hawkins County Scada Wide System

The 1st Utility District of Hawkins County contracted with Ends Electric and Southern Flow, Inc. to provide a supervisory control and data acquisition (SCADA) system upgrade for their Water System, Tanks, Booster Pump Stations, and Water Plant

The SCADA system involved replacement of 6 existing tank and booster pump station site RTU's + 3 new sites with new RTU's utilizing Allen Bradley Micrologix PLC's and Data Radio Viper 100 series FCC licensed radios. The system involved interfacing and modification of existing Membrane and Water Plant RS View HMI system. The tank and pump stations sites are represented in the HMI through high resolution digitally animated 3D rendered views. The 3D graphics were developed using 3D Studio Max.

The plant was further upgraded with security cameras at the main water treatment plant and the raw water pump station. A network was added to the raw water pump station to allow control of the main valve and intake screen. All information is forwarded to the Administration office manager's computer.

Project Value-\$192,000 Completed: January 2011

Project Name: **SYSTEM-WIDE SCADA SYSTEM EDA Project No. 04-79-05817-01**

Owner: Alan Jones—1<sup>st</sup> Utility District (423) 357-7511

Engineer: Dave Jones—CTI (865) 246-2750

Contractor: Ed Crain—Ends Electric (423) 743-8887



## Southern Flow, Inc.

6445 Industrial Way  
Suite A Alpharetta, GA  
30004

Phone: 770-667-5169 Fax: 770-667-  
5416 E-mail:  
admin@southernflowinc.com