

HYDRO | CASE STORY 1



# Toledo Bend - Texas

## 82.3MW Capacity

*Project Manager - Kevin Mitchell*

### UIS Renewable Power performs multiple controls upgrades

**T**oledo bend is capable of generating 82.3 megawatts of power. It first began operations in 1969. Since then, UIS Renewable Power (UISRP) has performed upgrades to its controls. In 2000, the operation group decided that it was time to upgrade some of the controls, and they awarded the work to UISRP. UISRP, installed a new VA Tech governor controls.

In 2016, to help meet the (NERC) and (FERC) standards, the staff at Toledo Bend contacted UIS Renewable Power for assistance. UISRP returned to upgrade the unit #2 controls with Rockwell's Allen Bradley Control Logix PLC with a hot standby. The logic was programmed to give the operators the option to run the hydro using head level, flow' or MW load control . In addition, the system uses state of the art VT SCADA software for their human machine in-terface.

“  
The upgrade helped us meet FERC and NERC standards.”

