

# EASTERN WATER RECLAMATION FACILITY

## Orange County, Florida

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With Orange County Utilities and a growing population; which increased by more than 27 percent between the 2000 and 2010 Census, major changes to their Northwest Water Reclamation Facility (NWRF) were required. The expansion of the NWRF will double the current treatment capacity of 7.5-million gallons per day (MGD) and allow a maximum peak capacity of 22 MGD to meet flow demands. Critical to the uninterrupted operation of the NWRF are the 13 kV, 2,500 KW engine generators standing by in the electrical/generator rooms within the blower building. One of the biggest challenges faced was maintaining continuous operation of a water reclamation facility during the facility upgrade. The design is also incorporating computer-operated and fully-automated controls for electrical instrumentation that will boost energy savings at the Northwest Water Reclamation Facility as well as enhance the Orange County Utilities' ability to remain in its position as a Florida leader in environmental stewardship well into the future.



#### Services Provided:

- Electrical Engineering
- Client Interface
- Multi-discipline Coordination
- Coordination w/ Progress Energy of Florida
- Cost Estimating

#### Estimated Cost:

- \$10 Million

#### Completion Date:

- 12/13

#### Project Manager:

- Mark Ikler , 407-836-5515  
Orange county Utilities