

## WILSON WTP GENERATOR & SWITCHGEAR

**CONTRACT NO / AWARD DATE:**

CAW #1144 JOB 4401 / August 2005  
KECI NO 05-1188

**JOB SITE LOCATION:**

Wilson Water Treatment Plant  
Little Rock, AR

**OWNER:**

Central Arkansas Water  
Blake Weindorf, P.E.  
1500 West Maryland Ave.  
N. Little Rock, AR 72120  
T 501-377-1224  
F 501-210-4980  
blake.weindorf@carkw.com

**GENERAL CONTRACTOR:**

Koontz Electric Company, Inc  
1223 E Broadway  
Morrilton, AR 72110  
*Project Manager:* Keith Foster  
T 501.354.2526 ext 118  
F 501.354.2580

**ENGINEERING:**

Garver Engineers  
Bruce Brown  
1010 Battery St  
Little Rock, AR 72202  
T 501-376-3633  
F 501-372-8042

**INITIAL MOBILIZATION / COMPLETION DATE:**

August 2005 / October 2007

**AWARDED / CURRENT CONTRACT AMOUNT:**

\$3,385,583 / \$3,709,955

**SCOPE OF WORK:**

Koontz Electric is the prime contractor to upgrade the Central Arkansas Water Wilson Water Treatment plant electrical infrastructure, and provide emergency backup generators to provide the families of Little Rock and North Little Rock with a reliable water system. The major features of work included:

- 17 feet wide x 72 feet long control building with 19 sections of medium voltage switchgear, DC batteries, battery charger, low voltage panels, light, receptacles, and misc items.
- (2) 1600 KW 2400-volt emergency generators with outdoor enclosures, and generator controls. Weight approx. 100,000 lbs.
- Installation of approximately 1,750 feet of under ground duct bank to include the installation of required medium voltage cabling.
- Installation of (3) new man holes for the duct bank system.
- Grounding of the transformers, control building, and emergency generators.
- Installation of fiber optic cable from control building to plant network, and required network equipment.
- New base course driveway.
- New concrete retaining wall.
- Transformer foundation.
- Control building foundation.
- Emergency generators foundation.
- Exterior brick wall around control building.
- Demolition of existing service entrance conductors, and other misc. plant feeders.
- Demolition of existing electrical substation, currently feeding the Wilson Plant.
- Laying sod on construction area.
- Accomplish all demolition and new circuit connections while maintaining operation of Central Arkansas' most critical treatment plant. The plant has a rated capacity of 150 millions gallons per day (MGD).

