

<b>LAKE LIVINGSTON HYDROPOWER PROJECT POLK AND LIVINGSTON COUNTIES, TEXAS</b>	<b>YEAR COMPLETED</b>	
	<b>PROFESSIONAL SERVICES 2005 – Present</b>	<b>CONSTRUCTION (IF APPLICABLE) Starting 2014</b>
<b>PROJECT OWNER'S INFORMATION</b>		
<b>PROJECT OWNER East Texas Electric Cooperative</b>	<b>POINT OF CONTACT NAME Mr. Brian Lawson</b>	<b>TELEPHONE NUMBER (770) 425-8100</b>

**RIZZO Associates (RIZZO)** is currently serving as the Owner's Engineer and administer the QCIP program during construction, for an additional contract amount of \$2,500,000. As the Owners Engineer our responsibilities include a full time on-site Resident Engineer, management of the independent materials testing laboratory, construction inspection and reporting, tracking and management of Requests for Information, claims, and change orders, progress schedule review and analysis, reiew and approval of all design packages and submittals, and day-to-day coordination with the prime contractor on issues related to construction.



RIZZO was also retained to provide the overall project preliminary design and environmental support for construction of the Texas Hydropower Plant. The design objective is to take advantage of discharge from an existing dam and reservoir to develop a 24 MW run-of-river hydropower plant. RIZZO worked directly with the Utility Client's legal firm of record before the Federal Energy Regulatory Commission (FERC) to prepare a Preliminary Application Document (PAD) and FERC License.

The Lake Livingston Dam Project in the Texas Counties of Polk and Livingston includes a reinforced concrete powerhouse containing three 8 MW Kaplan turbines, generators, auxiliaries, headrace, tailrace, ancillary structures, and approximately three miles of transmission line to the local primary grid sub-station.

RIZZO personnel are responsible for project planning, budgeting, and scheduling, staff management, overall project direction, technical details, client interface, and periodic reporting. During and following issuance of the FERC License, RIZZO staff have also been involved in project design, analyses, and on-site inspections related to the dam safety aspects of the project.

A complete Environmental Report and FERC License Exhibit E was prepared by RIZZO and included consideration of wetlands, threatened and endangered species, cultural resources concerns, and recreational impact. This is a freshwater resource that feeds a brackish water zone and consequently there are minimum discharge requirements to prevent saltwater intrusion into a significant agricultural area.

As part of the complete PAD and FERC License prepared by RIZZO, project staff identified, reviewed, and documented the currently known and available environmental, engineering, recreational, cultural, and socio-economic information related to the planned project and local region. RIZZO also documented initial consultation with selected agencies and the local Alabama-Coushatta Indian Tribe, located on the Alabama-Coushatta Indian Reservation in Eastern Polk County, Texas. RIZZO identified additional data needing to satisfy NEPA requirements, and described the scoping of additional studies identified through consultation with the state regulatory and resource agencies that will be needed for the license application.

The FERC Licensing process is complete and the License has been issued. RIZZO has performed preliminary design for the Project, including planning and management of an extensive geotechnical exploration, initial design and structural analysis of all structures, and preparation of all drawings and exhibits required by the FERC licensing process. RIZZO staff managed the procurement process for the turbine and generator equipment, and prepared the Scope of Work and Specifications for the design-build contract. RIZZO staff also managed the prequalification process for the Engineer-Procure-Construct contractors, prepared all required bidding documents, and received and evaluated the proposals from the EPC contractors.

