RIZZO Associates (RIZZO) was retained to conduct a geotechnical investigation for the placement of Combined Cycle Generation Turbines and Heat Recovery Steam Generation (HRSG) structures at this site. HRSG facilities are characterized by considerable dynamic loading coupled with inside pressures and with the characteristics of its foundation and underlying soil. This project required dynamic evaluations to develop a structural retrofit scheme that would allow the use of an existing HRSG design at a region with higher seismic demands.

The Lakeside Power Project highlights RIZZO's experience with the following deliverables:

- Borehole Exploration
- Soil improvement
- Conceptual foundation design
- Seismic risk analysis
- Soil Structure Interaction
- Structural Analysis
- Base Isolation Analysis
- Structural Retrofit