

Project **Assessing the Feasibility of a Central New York Naturally Chilled Water Project**

Location Central New York

Client Stearns & Wheler, LSC

Gryphon Contact Peter Veldhuizen

Project Summary To determine the feasibility of a Central New York naturally chilled water project.

Project Services Gryphon has addressed the following tasks for the report:

- Document Cornell and Toronto's Lake Source Cooling Systems (LSC)
- Benchmark LSC to mechanical chillers
- Develop conceptual plans and cost estimates
- Compare pipeline size with pumping needs
- Assessment of discharge location
- Discuss flow meter alternatives
- Evaluate intake structure
- Identify depth and temperature of intake
- Evaluate pipeline location, size and materials
- Identify air quality and energy savings
- Quantify emission reductions
- Identify construction related environmental issues
- Analyze thermal losses in storage and transmission
- Prepare report



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