Cornell’s *Lake Source Cooling* (LSC) project began providing 16,000 tons of cooling (1 ton of cooling = 12,000 Btu/hr, or approximately one large residential window air conditioner) to Cornell University's Ithaca campus in July of 2000 with an 86% reduction in energy use versus conventional cooling alternatives. This project has almost completely replaced mechanical refrigeration for the Cornell district cooling system with the following benefits:

- Greater LSC has replaced over 40,000 pounds of CFC refrigerants which are known to deplete the ozone layer.
- LSC saves approximately 25,000,000 kilowatt-hours of electricity each year. This reduced Cornell’s electricity demand by 10%.
- LSC has reduced associated emissions of greenhouse gases by up to 37 tons/year of SO2, 16 tons/year of NOx, and 11,000 tons/year of CO2.
- LSC is a model for sustainability and has become an invaluable community outreach and educational tool.
- Data collected in association with LSC have been invaluable for regional and local watershed planning efforts.
- Utilization of a readily available renewable energy source