



IBM Rochester

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Company

IBM's Rochester, Minnesota facility is a 3.1 million square foot mixed use facility that houses a variety of software and hardware development functions, a data center, a number of business functions, as well as a variety of leased space.

Intern Project

Develop and implement energy efficiency programs that will optimize energy flow within the central utility plant and HVAC loop for the whole campus.

Incentives to Change

Optimizing the pull of energy will lessen overall energy usage to reduce load for the site, which will increase equipment life and reduce pollution and costs.



Solutions

Employ Thermal Storage Tank:

Implement a schedule to bring in stored water to save on peak demand and provide financial gains and mitigate potential sources of pollution

Improve Cooling Coil Conditions:

Implement part replacement and maintenance in HVAC system to improve energy efficiency and reduce chilled water flow

Install Environmentally Friendly Corrosion Inhibitor:

Eliminate the major source of water waste in the perimeter heating loop and chilled water loop to improve recycle rates

