

Thermal Energy Storage Tank - 2,500,000 Gallons

Notre Dame, Indiana



Client: The University of Notre Dame
Location: Notre Dame, Indiana
Services: Design, Fabricate, Construct
Contract: Lump Sum
Schedule: October 2018

The University of Notre Dame announced plans to discontinue coal use by 2020 and reduce its carbon footprint by more than half in 2030. Notre Dame contracted CB&I Storage Solutions to build a thermal energy storage tank as part of a new chiller plant expansion project.

The thermal energy storage tank provides 16,000 ton-hours of cooling capacity for upgraded campus buildings and dorms. Notre Dame produces half of its own electricity while the other half is designated 'termination service' from a power provider. The new tank allows the campus to continue running their chillers and supply chilled water to campus in the event of interrupted service from the power provider. Notre Dame will also operate the chillers during off-peak hours to take advantage of the considerable rate differential between peak and off-peak purchased electricity.

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