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## Select Energy 24MW COGENERATION FACILITY

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**PROJECT NAME:** Select Energy  
University of CT

**PROJECT ADDRESS:** Storrs, CT

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### **PROJECT DESCRIPTION:**

A new cogeneration facility at the Storrs Campus of the University of Connecticut was required in order to meet its growing energy needs. RCMT provided the detailed engineering, design and procurement support services for the construction of the new facility.

The facility provides UConn's Storrs campus with approximately 24MW of electric power, 200,000 lbs per hour of steam and chilled water capacity of 6,300 tons. The cogeneration plant meets nearly all of UConn's projected 2010 electricity needs and improves reliability while producing fewer emissions than the existing plant.

The cogeneration facility will use natural gas, with fuel oil as a back-up fuel source, to fire three Solar Taurus 70 combustion turbine generators to produce electricity. Waste heat from the turbines is used to produce steam, which is then used in a steam turbine generator to produce additional electricity. Low-pressure steam is distributed for campus use. The campus electrical system will maintain an interconnection with Connecticut Light & Power's transmission system through a new dedicated substation.