PROJECT PROFILE

Efficient Modular Systems

Duke Energy

Turbine Inlet Chilling Application

North Carolina, USA

Photos courtesy of Duke Energy website

TECHNICAL DETAILS

BUCK STATION COMBINED CYCLE STATION

- 2x1 GE 7 FA
- 48 MW Increase
- COD 2011
- 2xF-skids 11,500 tons

DAN RIVER COMBINED CYCLE STATION

- 2x1 GE 7 FA
- 53 MW Increase
- COD 2012
- 2xF-skids 11,500 tons

PROJECT DESCRIPTION

With a decaying fleet of coal power plants, Duke Energy set out to replace them with more advanced, efficient, natural gas plants. Needing to provide additional power above that offered from the coal plants, Duke Energy was looking for securing the most possible power at the lowest $/kw for their customers. In order to achieve this they included TAS Energy's Turbine Inlet Chilling units in the design of both Dan River and Buck Station Combined Cycle plants, adding a combined total just over 100 MW.

About TAS Energy

TAS Energy provides clean and highly efficient solutions through the design and manufacturing of modular energy conversion and cooling systems for the power generation industry; district, commercial, and industrial process cooling; data center/mission critical; and the renewable energy sectors.

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