5.3 MW DUAL FUEL COMBUSTION TURBINE PROVIDING BACKUP POWER @ INDUSTRIAL PLANT

SUMMARY

Bryan Power supplied, supervised the installation, and commissioned and started up a 5.3 MW dual fuel (natural gas and oil) fired combustion turbine generator to provide back-up power to the Louis Dreyfus Company plant in Claypool, Indiana. This installation was the first step in developing and implementing a future project to convert this simple cycle combustion turbine into a combined heat and power (CHP) plant to provide both electricity and steam to the Louis Dreyfus Company processing plant. This processing plant is the largest fully-integrated soybean processing and biodiesel plant in the United States. The annual capacity for biodiesel production is 88 million gallons.

After initial studies on the need for back-up up power during frequent grid outages, and on the size of the processing plant's electric load, Bryan Power recommended the installation of a 5.3 MW Solar T60 Titan dual fueled combustion turbine. The generating plant went into initial operation in late 2016. The design allowed space for the installation of a heat recovery steam generator (HRSG) when the unit is converted to a CHP plant, and for the addition of a second generating unit. Louis Dreyfus is reviewing this expanded investment.

Client

- Louis Dreyfus Company

LDC. Louis Dreyfus Company

Location

- Claypool, IN

Equipment

- 5.3 MW Dual Fuel Solar T60 Titan Combustion Turbine

Service

- Equipment Procurement & Installation Support

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