

ESI Receives Approval to Begin Work on DTE Energy Services Port of Stockton Biomass Conversion Project

Stockton, California: ESI has received notice to proceed with the engineering design to convert a 45 megawatt (MW) coal-fired power plant in Stockton, California to operate on biomass. The plant, DTE Stockton, is located at the Port of Stockton and was acquired by DTE Energy Services (DTEES) of Ann Arbor, Michigan, in June 2010.

The plant's two existing 200,000 PPH coal-fired boilers have been demolished and will be replaced with a 430,000 PPH Factory Sales Engineers supplied grate-fired biomass boiler. The primary fuel source will be urban wood waste along, with tree trimmings, and agricultural residues.

Once the conversion is complete, the plant will provide power to PG&E under a long-term renewable purchase power agreement, playing a part in meeting California's 33 percent renewable power requirement.

ESI will provide the engineering and equipment procurement of a new material sizing, storage and handling system, a new biomass stoker, a SNCR system, and new fans. Engineering for the project will begin immediately, with completion targeted for Spring 2013.

Working together with DTEES on coal-to-wood conversion projects is not new to ESI. The Kennesaw, Georgia, engineering firm is nearing construction completion on a similar DTEES-owned biomass conversion facility in Cassville, Wisconsin.

"It has been a privilege to work with DTEES on the Green Energy Projects, both in Cassville and now in Stockton. The environmental impact of these biomass conversions will help reduce carbon emissions in both locations and continues to highlight ESI's capabilities and expertise on projects such as this," stated Jeff White, ESI Chief Operations Officer.

ESI Inc of Tennessee is a design engineering and EPC construction firm specializing in the production of steam and power firing biomass fuels. ESI has over 30 years of experience providing engineering, feasibility studies, construction, start-up, operator training, and rental equipment services to industrial and utility clients with energy related opportunities. The company prides itself on providing innovative, cost effective, and environmentally friendly solutions, while making a positive contribution to the renewable energy movement.

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