



# New Biomass Cogeneration Plant

Design / Assist

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## Project Description:

S. P. McCarl & Company, Inc. is an integral design assist partner for this renewable energy project. The scope included the construction of a new cogeneration facility to utilize softwood chips as a renewable energy fuel source which will be used to generate electricity and steam for a Department of Corrections facility.



## Technical Challenge:

The cogeneration facility will replace three existing gas fired boilers and become the primary steam source. Peak and back up steam generating capacity will be provided by the existing gas fired boilers.



The project involves state of the art technology in using woodchips as fuel for a biomass boiler. S. P. McCarl & Company, Inc. has worked for decades with cutting edge technology to stay at the forefront of the construction industry. As a design/assist partner working with a customer possessing a depth of experience in biomass technology created excellent synergy from the initial design concept and planning phases of this project.



Since S. P. McCarl & Company, Inc. personnel were included as key team members to work with our customer's management and engineers from the start of the project all parties were able to take a bigger picture approach to the design and planning of the project.



Our customer's engineers shared their design needs up front while the construction experts from S. P. McCarl & Company identified constructability issues from the onset. Effective communication from the beginning has led to lower cost of construction as well as the ability to compress the necessary window for construction completion.

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