

# BioMass Boiler Project

## Elk Regional Medical Center

St. Marys, PA



### The Project:

CJL Engineering was selected to design a 16 million BTU High Pressure Steam System utilizing a BioMass Boiler for Elk Regional Medical Center, which received a grant from the Department of Energy for the purchase of this equipment. Elk Regional Medical Center is the first hospital in the State of Pennsylvania utilizing BioMass Boilers for heating of the hospital facility, domestic water heating, humidification and process steam for sterilization in autoclaves.

### CJL Engineering Design Solutions:

- The system consists of a BioMass 16 million BTUH High Pressure Steam Boiler, which burns wood chips for fuel
- The new BioMass Boiler serves as the hospital's primary boiler system. The existing gas-fired boilers remain in standby.
- A separate building was constructed to house the BioMass Boiler System, along with a separate wood fuel holding building