

ENERGY COST REDUCTION/COAL CONVERSION

Client:

Tenneco Packaging
Filer City Mill

Project Location:

Filer City, MI

Capacity:

350,000 lb/hr Solid
Fuel Boiler Plant

Approximate**Installed Value:**

\$ Confidential



PCI was selected by a major pulp and paper company to be responsible for identifying and implementing an energy cost reduction program for a large paper mill.

The scope of work included:

- PCI performed an initial screening of various energy production cost saving alternatives including:
 - Gas turbine cogeneration
 - Purchasing steam from neighboring coal fired plant
 - Reactivating Mill's existing coal fired boilers
 - Converting chemical recovery boiler to a solid fuel boiler
- Determined that the best long-term strategy was to return all boilers to coal firing
- Performed detailed inspection and provided an analysis of all equipment and facilities
- Developed the plan for the restoration, repair and new equipment for coal firing
- Performed detailed economic analysis for the above option
- Developed total project cost for the fuel conversion
- Managed field testing of existing boilers to validate performance requirements

