

## REFERENCE PROJECT LISTINGS

- **ABITIBI-CONSOLIDATED - FORT FRANCES, ON**
  - No. 5 Dryer Steam & Condensate Upgrade Design Study
  - Piping Design for 18" Steam Line to No. 7 Paper Machine
  - Mill Steam Study
  - No.7 P.M. Condensate Header Replacement
  - Biomass Boiler Study
- **ABITIBI-CONSOLIDATED - FORT WILLIAM DIVISION**
  - Deaerator Replacement/ Upgrade
- **ABITIBI- CONSOLIDATED - IROQUOIS FALLS, ON**
  - Deaerator Replacement
- **ABITIBI-CONSOLIDATED - KENORA, ON**
  - Boiler Makeup Water Investigation
  - Ash Handling System Study
  - No. 10 PM Steam and Condensate System Revisions
  - Water Softener Upgrade
  - Boiler Feedwater Pump System
  - Fly Ash Reinjection System Feasibility Study
  - Stoker/Windswept Spouts Feasibility Study
  - Steam Plant Ash Conveyor Replacement
  - Oil Burner Investigation
  - Boiler Efficiency Testing
  - No.1 & 2 Boiler Drum Level Controls
  - No. 1 & 2 Boiler CO Analyser Installation
  - Boiler Drum Level Indicators
  - Deaerator & Condensate Tank Replacement
  - Package Boiler Installation
- **ABITIBI PRICE - ROARING RIVER, NC**
  - Steam Plant Operation Survey
  - Scrubber Installation
  - Boiler Stack Emissions Investigation
  - Supervise Construction & Commissioning of Wood Refuse Fired Boiler

- **ABITIBI PRICE - THUNDER BAY DIVISION**
  - Steam Plant Deaerator Replacement
  - Deaerator and Boiler Controls Installation
  - Energy Consulting
  - No. 2 Paper Machine Dryer Drainage System
  - Paper Machine Steam & Condensate Modifications
  - Sulphur Burning & Handling System
  
- **ABITIBI PRICE - TROY, MI**
  - Boiler Tube Rupture Investigation
  - Particulate Emissions #2 Boiler
  
- **ACADIA PAPER - NEWCASTLE, ON**
  - Paper Machine Steam System/Consulting Service
  - Boiler House Increase Steam Capacity
  - Hogged Bark Reclaim and Conveying System
  - Hogged Bark Metering Feeder Design
  - Wet Ash handling Development and Installation
  
- **ALPENA, MI**
  - Boiler Stack Particulate Emissions Investigation
  - Combustion Study #2 Boiler
  
- **BABCOCK & WILCOX - CAMBRIDGE, ON**
  - Recovery Boiler Economizer Installation
  - Steam Coil Air Heater Installation
  
- **BOWATER - THUNDER BAY, ON**
  - Structural Design for “C” Recover Boiler
  - Blowdown Tank Replacement
  - Biomass Boiler Grate Replacement
  - Fuel Feed and Ash System Upgrade
  - “B” Recovery Wall/Floor Replacement Study
  - Hog Fuel Feed System/Firing Grate/Ash Removal System
  
- **BOWATER MERSEY - LIVERPOOL, NS**
  - Hogged Bark handling & Burning Evaluation
  - Mill Steam Distribution Appraisal
  - Hogged Bark Surge Bin Installation
  - Hogged Bark Dryer Evaluation

- **CASCADES - THUNDER BAY, ON**  
Co-generation Feasibility Study
- **COMBUSTION ENGINEERING - OTTAWA**  
Boiler Support Steel Structural Analysis  
Wood Refuse Handling & Feed System to Power Boiler  
Wet Ash Handling System from Wood Refuse Boiler
- **CPFP - GOLD RIVER, BC**  
Ash Handling System Investigation  
Ash Handling Hopper Modifications
- **ENBRIDGE - TORONTO, ON**  
Biomass Utilization Study
- **LONGLAC WOOD INDUSTRIES - LONGLAC, ON**  
Steam System Review  
Package Boiler Installation
- **MACMILLAN BLOEDEL - NIPIGON, ON**  
Heat Recovery Study  
Veneer Dryer Vent Heat Recovery
- **MINNESOTA POWER - DULUTH, MN**  
Truck Dumper Installation  
Hog Fuel Metering System  
Rail Tie Shredding Feasibility Study  
Hog Installation Study
- **MIRAMICHI PULP & PULP LTD. NEWCASTLE, NB**  
No. 2 P.M. Steam and Condensate System  
Wet Ash Handling - No. 4 Boiler  
Start-up and Commissioning of No.4 Power Boiler  
Steam Plant Expansion  
Hogged Bark & Wood Refuse Reclaim Conveyor System
- **NBIP FOREST PRODUCTS - DALHOUSIE, NB**  
No. 7 Boiler Ash Handling System

- **NEENAH PAPER - TERRACE BAY, ON**
  - 20MW Steam Turbine Generator Installation
  - No. 2 Recovery Boiler Economizer Piping Installation
  - Feed Water Pump/Turbine Drive Installation
  - Contaminated Condensate Piping Modifications
  - Boiler Bark Firing Procedures
  - Hogged Bark No. 4 Boiler Destoner
  - No.3 Recovery Boiler - Sootblower Piping Modifications
  - Burner "C" Fuel Oil Transfer Piping Replacement
  
- **NORAMPAC INC. - RED ROCK, ON**
  - Hogged Bark Refuse Fuel Study
  - Scrubber Stack Investigation
  - Ash Handling System Revisions
  - Steam Piping Modifications
  - Paper Machine Steam Line Relocation
  - Bunker C Fuel System Study
  - Recovery Boiler No. 3 Soot Blower PLC Replacement
  - Co-generation Feasibility Study
  
- **NORTHLAND POWER - COCHRANE, ON**
  - Dry Ash Handling System Review
  
- **NORTHLAND POWER - KIRKLAND LAKE, ON**
  - Ash Handling System Review
  
- **REPAP - KIMBERLY, WI**
  - Investigate Mill Steam Supply System
  - Design Conversion of L.P. Steam Supply System for Paper Machines
  - Steam Consulting Services
  - No. 5 & 6 Paper Machine Steam & Condensate System Upgrade
  - Design Demineralizer Plant Installation
  - Investigate Paper Machine Condenser Replacement
  - Revise Turbine Extraction Piping for 75 psi Operation
  - Investigate Boiler Plant Steam Capacity
  - Steam System Instrumentation Control Design
  - Trim Desuperheaters to No.6 & 7 Paper Machines
  - Analyse & Revise 900lbs. Desuperheating Station
  
- **SAPPI - CLOQUET, MN**
  - Scrubber Installation Phase II Report

- **ST.MARY'S PAPER - SAULT STE. MARIE, ON**
  - Scrubber Addition to No. 2 & 3 Boilers
  - Emissions Control System Installation
  - Wood Refuse Firing Study
  - Compressor Installation, Wet Ash Separation Tank Design
  
- **TEMBEC INC. - SMOOTH ROCK FALLS, ON**
  - Pressure Reducing Station Piping Modifications
  - Turbine Bypass Tuning
  
- **TEMBEC - KAPUSKASING, ON**
  - Air Emissions Study
  - Boiler Retention Time Review
  - Future Steam Generation/Co-generation Study
  - No.5 Boiler ID Fan Drive Revisions
  - Sludge/Wood Waste Steam Generation and Handling Study
  - Sludge Diversion System
  
- **UNION GAS**
  - Biomass Combustion Study
  - Boiler Performance & Efficiency Testing
  
- **WAUSAU - BRAINERD, MN**
  - Steam Box Installation