



Coal/Waste Coal Experience

Joslin CFB Repowering Project

250 MW Plant
Owner - NuCoastal Corporation
Port Comfort, Texas
Determined scope and indicative capital costs to repower station using a new CFB combustion boiler



86 MW CFB Project

Owner - Deseret Power Electric Cooperative
Vernal, Utah
Preliminary engineering and design to prepare the heat balances, site layout, general arrangement drawings, P&IDs and one-line diagrams to support the development and submittal of a firm price, EPC bid



American Bituminous Power Project

80 MW Waste Coal Power Plant
2 CFB Pyropower Boilers
Owner - American Bituminous Power Partners, L.P.
EPC Contractor - FruCon Construction Company
Grant Town, West Virginia
Detailed Design, Performance Testing, Resident Engineering and Start-up Assistance



North Branch Power Project

80 MW Waste Coal Power Plant
2 - 400,000 pph CFB Pyropower Boilers
Owner - EASE/NMI a subsidiary of Energy America Inc.
EPC Contractor - North Branch Constructors
Grant County, West Virginia
Detailed Design, Performance Testing, Resident Engineering and Start-up Assistance





Coal/Waste Coal Experience (cont.)

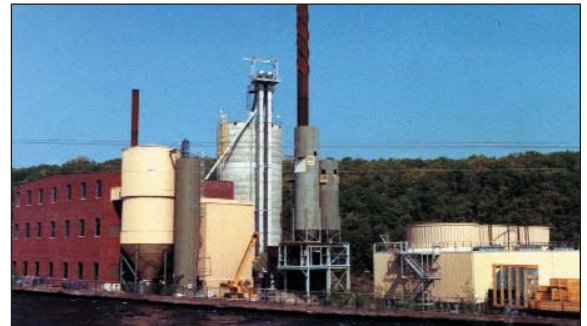
Piney Creek Power Project

30 MW Waste Coal Power Plant
290,000 pph CFB - Bituminous Gob/Coal Design
Owner - Piney Creek Limited Partnership
EPC Contractor - FruCon Construction Company
Clarion County, Pennsylvania
Detailed Design and Post Design



Turners Falls

20 MW Stoker Cogeneration Plant
170,000 pph Stoker
Fuel - Eastern Coal
Owner - Indeck Energy Services
EPC Contractor - J.A. Jones
Turners Falls, Massachusetts
Detailed Design and Post Design



University of Missouri - Columbia Power Project

34 MW Cogeneration Plant
200,000 pph Circulating Fluidized Bed Combustor
Fuel - Missouri High Sulfur Coal
Owner - University of Missouri
Columbia, Missouri
Detailed Design and Post Design



District Heating Plant Improvements

2 x 220,000 pph Stoker Coal-Fired Plant Improvement
General Services Administration West Plant & Central Plant
Owner - General Services Administration
Washington D.C.
Detailed Design





Coal/Waste Coal Experience (cont.)

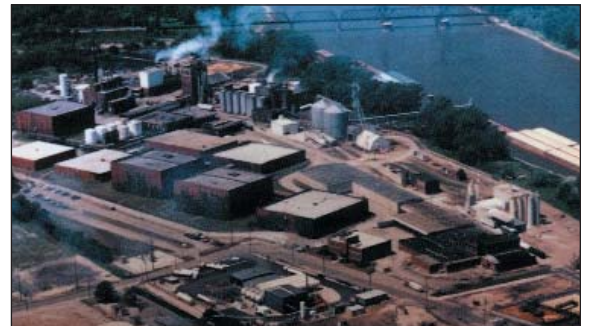
Sagamore Cogeneration Project

8 MW Backpressure Turbine Generator
190,000 pph Pulverized Coal-Fired Design
Fuel - Pulverized Coal
Owner - A.E. Staley
Lafayette, Indiana
Detailed Design and Post Design



Midwest Grain Products Cogeneration Project

3.5 MW Backpressure Turbine Generator
120,000 pph Fixed Atmospheric Fluidized Bubbling Bed
Fuel - Bituminous Coal
Owner - Midwest Grain Products Company
Pekin, Illinois
Detailed Design and Post Design (*Power Magazine Design Award*)



Cedar Falls Power Plant

Utility Power Plant Life Management
165,000 pph Coal-Fired Boiler
Rosemont DCS
Owner - Cedar Falls Utilities
Cedar Falls, Iowa
Detailed Design



Coal-Fired Baghouse Retrofits

21 MW Condensing Cycle
2 x 175,000 pph Stoker
Owner - Manitowoc Public Utilities
Manitowoc, Wisconsin
Detailed Design

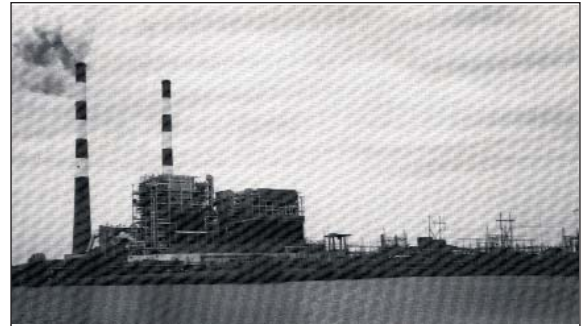




Coal/Waste Coal Experience (cont.)

LaCygne Unit No. 2 Plant

670 MW Precipitator Controls Upgrade
Owner - Kansas City Power & Light
LaCygne, Kansas
Detailed Design



Lake Road Power Plant

Ash Handling System Replacement
Fuel - Powder River Basin/Western Coal
Owner - St. Joseph Power & Light
St. Joseph, Missouri
Detailed Design



Central Station Upgrades

100 MW Condensing Cycle
1,000,000 pph Pulverized Coal Plant Upgrades
Fuel - Bituminous Coal
Owner - Independence Power & Light
Independence, Missouri
Detailed Design

