

# SOLID FUEL

**B**echtel has served our customers as the contractor of choice for a wide variety of solid-fuel-based power generation and process steam facilities for nearly 60 years. These facilities have provided highly reliable and cost-efficient energy throughout the world using supercritical, circulating fluidized bed (CFB), and stoker-fired boiler technologies.

And just as the industry has grown, so have we by bringing our tradition of excellence and proven track record to project execution while outpacing the field in employing innovative coal handling, boiler firing, steam turbine, and emissions control technologies for a variety of fuels such as pulverized coal, waste coal, petroleum coke, and biomass.

Today's world is demanding cleaner, more efficient, and more cost-effective power generation. Bechtel has remained at the forefront of this challenge by actively evaluating and applying state-of-the-art emissions control, clean coal, and carbon capture and storage technologies. We are proud to provide customers the best combination of technical support, environmental permitting, and technology selection to meet all regulatory and environmental standards.

## HIGHLIGHTS

- » No. 1 power industry engineer and constructor for 12 consecutive years, as ranked by *Engineering News-Record* magazine
- » Nearly 1.1 billion global construction hours managed during past 5 years across all industry business units
- » Provided engineering, procurement, and construction services for Trimble County Unit 2, a steam-electric generating station that will be one of the cleanest, most efficient coal-burning facilities in the world upon completion

## KEY PROJECTS

### PRAIRIE STATE ENERGY CAMPUS

**Overview:** Bechtel is performing project management, engineering, procurement, construction, and startup services for this two-unit, 1,600 MW, supercritical power plant in Washington County, Illinois. With Unit 1 scheduled for completion in 2011 and Unit 2 in 2012, the project represents the biggest private capital job ever undertaken in southern Illinois and the largest greenfield U.S. coal plant since the late 1980s.



### ELM ROAD GENERATING STATION

**Overview:** Bechtel is providing project management, engineering, procurement, construction, and startup services for this two-unit 1,230 MW, pulverized-coal-fired power plant located on the western shore of Lake Michigan in the city of Oak Creek, Wisconsin. Construction began in June 2005. Unit 1 began commercial operation in 2009; commercial operation of Unit 2 is expected in 2010.



### SANDOW STEAM ELECTRIC STATION UNIT 5

**Overview:** Bechtel is providing lump-sum, turnkey engineering, procurement, construction, and startup services for this 565 MW (net), lignite-fired, CFB boiler power plant in Milam County, Rockdale, Texas, approximately 65 miles northeast of Austin. Plant construction began in June 2006 and was completed in 2009.



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## BECHTEL POWER

Frederick, Maryland USA  
301-228-8609  
bechtel.com

San Francisco

Houston

London

Brisbane