

Millmerran Power Station Units 1 and 2

Project Case History

Millmerran Power Partners
Millmerran, Queensland, Australia

Plant Owner

Millmerran Power Partners

Plant Name

Millmerran Power Station
Units 1 and 2

Project Developer

InterGen

EPC Contractor

Bechtel

Location

Millmerran, Queensland, Australia

B&W Scope

- Two supercritical coal-fired boilers and related equipment
- Startup and commissioning advisory services

Boiler Specifications

- Boiler type: Pulverized coal-fired Spiral Wound Universal Pressure (SWUP™)-type supercritical boiler
- Design fuel: Low sulfur, bituminous coal (high ash)
- Capacity:
2 X 420 MW net
- Steam flow:
2,812,000 lb/h (354 kg/s)
- Superheater outlet pressure:
3596 psig (24.8 MPa)
- SH/RH outlet temperature:
1054/1105 F (568/596 C)

Other Equipment Supplied by B&W

- B&W Roll Wheel® pulverizers, Series 98



The Millmerran Power Station Units 1 and 2 began commercial operation in 2002 and are supplying much needed power to meet Australia's growing energy demand.

- DRB-XCL® low NO_x burners
- Sootblower boiler cleaning system by Diamond Power International, Inc., a B&W subsidiary

Contract Order

1999

Commercial Operation

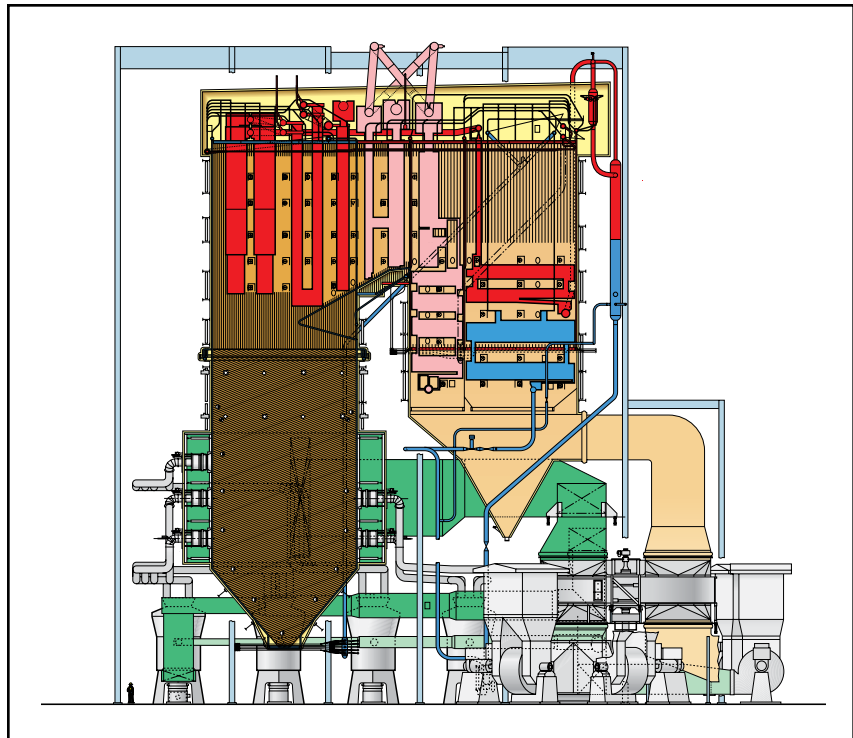
2002



(Continued on reverse side)

Project Facts

- Supercritical cycle uses less coal and reduces carbon dioxide emissions when compared to a conventional coal-fired power station.
- Plant uses low sulfur coal mined from the adjacent Commodore coal deposit.
- Power station uses only 10% of the water typically required by a generating plant of this size.
- Electricity produced is pooled in Australia's national grid to meet increased energy demand.



Sectional sideview of Millmerran Units 1 and 2.

Babcock & Wilcox

1200 E Market Street, Suite 650
Akron, Ohio, U.S.A. 44305
Phone: +1 330.753.4511

www.babcock.com    

The information contained herein is provided for general information purposes only and is not intended nor to be construed as a warranty, an offer, or any representation of contractual or other legal responsibility.

SWUP, DRB-XCL and B&W Roll Wheel are trademarks of The Babcock & Wilcox Company.



BABCOCK
& WILCOX

RENEWABLE | ENVIRONMENTAL | THERMAL

Established in 1867, Babcock & Wilcox is a global leader in renewable, environmental and thermal technologies and services for power and industrial applications.

For more information or to contact us, visit our website at www.babcock.com.