



Power

630MW Power Station

Client

Origin Energy

Location

Dalby, Queensland



Darling Downs PDS model

Darling Downs Power Plant Queensland

CH2M HILL and GE Energy were awarded a US \$660 million (AUD \$780 million) engineer, procure and construct contract for Origin Energy's new 630 megawatt Darling Downs Power Station in Queensland, Australia.

The plant operates from single-fuel plant firing coal seam methane gas and utilizes an air-cooled condenser for the plant's primary cooling system. Once completed it will be the largest gas-fired power plant in Australia, producing enough power to supply 400,000 homes.

"The power station will be air-cooled, meaning it only uses 200 mega litres of water a year, around two to three percent of the water used by a typical water-cooled coal-fired power station," said Darling Downs Power Station Project Director, Paul Farnworth.

CH2M HILL is performing the engineering, design, and procurement of the offshore "balance of plant" equipment for the project, integrating with the GE-supplied three Frame 9E gas turbine generators, a C7 steam turbine generator, the plant control system, and three heat recovery steam generators.

Laing O'Rourke Australia is a partner with CH2M HILL for the site execution of the project works as well as supplying equipment, components and materials.

"We are pleased that our consortium team of CH2M HILL and GE were selected for Origin Energy's new power station," said Don Zabilansky, president of CH2M HILL's power business group. "We look forward to completing this marquee project, along with both GE and our site execution partner Laing O'Rourke."

Plant construction began August 2007. Commissioning is scheduled for late 2009, and the facility will be in full commercial operation in early 2010.