

270-MW CCPP with GT24 advanced gas turbine for the USA

A consortium led by ABB has won orders worth a total of US\$ 190 million from *Berkshire Power Company, LLC*, to build, maintain and operate a 270-MW combined cycle power plant in Massachusetts, USA. The plant will be located at Agawam, 160 km west of Boston. Construction is scheduled to begin in April of this year and commercial operation will start up in late 1999.

The consortial partner is Black & Veatch Construction Inc, of Kansas City, Missouri. ABB deliveries include a GT24 gas turbine, steam turbine, generator, heat recovery steam generator, and the overall power plant control system. ABB will also be responsible for the engineering for the power island, for commissioning the plant, and for operating and maintaining it for the first ten years.

The power plant incorporates ABB advanced gas turbine technology, with low-NO_x burners for low emissions, high thermal efficiency and reduced operating costs.

ABB wins order for 960-MW combined cycle facility in Taiwan

ABB has been awarded a contract to build a 960-MW gas-fired combined cycle power plant in Taiwan. The order, valued at US\$ 660 million, was placed by *Ever Power IPP Co Ltd*. Ever Power is an affiliate of the Ever Fortune Group, based in Taichung, Taiwan.

Power from the plant will be sold to the national utility, Taiwan Power Company. The plant is scheduled for connection to the national grid by July 1999.

ABB will supply four GT24 advanced gas turbines, heat recovery steam generators, two steam turbines, the electricity generators, the overall power plant control system and the balance of plant equipment. In addition, ABB will build a 13-km long natural gas pipeline to feed fuel to the plant and a 20-km high-voltage transmission line to connect the plant to the national grid. ABB will also be responsible for the engineering and the complete installation and commissioning work, and will operate and maintain the plant for the first eight years.

Modernization and maintenance order for a 1370-MW combined cycle plant in the USA

Midland Cogeneration Venture Limited Partnership (MCV) has placed an order with ABB for the modernization and maintenance of a gas-fired combined cycle power plant in Midland, Michigan, USA. The total value of the contract is about US\$ 170 million.

Under the terms of the contract, ABB will modernize 11 gas turbines and provide maintenance services and parts for the up-graded equipment.

With a power output of 1370 MW, Midland is North America's largest cogener-

ation power plant. The modernization is part of MCV's programme for a continual improvement in plant efficiency and performance.

PreussenElektra relies on ABB technology for load dispatching

Following a three-month trial period, ABB Netzleittechnik GmbH has handed over to *PreussenElektra AG* the computer system recently installed by the company in the utility's load dispatching center at Lehrte, near Hanover, Germany.

From now on, advanced power system management equipment from ABB worth approximately US\$ 15 million will be in charge of planning, control and optimization of generation scheduling and power supply on the utility's 380/220-kV transmission system. The area covered reaches from the Danish border to Frankfurt am Main and from the Dutch border to the boundaries of Mecklenburg-Vorpommern, Sachsen-Anhalt and Thüringen. In addition, the computer system is being used by PreussenElektra to plan, carry out and document its power business in Germany and with Scandinavia, Holland and Switzerland. Eleven computer workplaces are necessary for optimized load dispatching. Ten simulation databases working in parallel were installed for planning, simulation and personnel training.

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