


## Multi-megawatt systems in North America

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 **Large power plant under construction on the East Coast:** SunEdison LLC is currently building a 21.5 MW power plant in Davidson County, North Carolina. The first stage, installing 5.4 MW of power, is already completed. In the second phase, 16.1 MW is scheduled to connect to the grid in December 2010. Energy supplier Duke Energy Corp. will purchase the electricity. Both power plants, located in Cotton Grove, consist of monocrystalline modules from Suntech Power, which will use Wattsun single-axis tracking systems from Array Technologies Inc. Advanced Energy Industries Inc. is the inverter supplier. The owner of the power plant is a fund founded jointly by SunEdison and a bank. +++ **16 MW planned for Texas:** Texas energy provider CPS Energy intends to purchase electricity for 30 years from a 16 MW system in its grid area. The project, named Blue Wing, is being planned and built by Juwi Solar Inc., the US subsidiary of German renewable system integrator Juwi Holding AG. The power plant will be completed before the end of 2010 and begin feeding in to the grid in 2011. CPS

Energy is owned by the city of San Antonio, which already has contracts for a total of 41 MW of PV power. The company hopes to cover one-fifth of its customers' maximum daily demand with renewable resources by 2020. +++ **Maryland's state government purchases solar electricity:** Project planner Constellation Energy Group Inc. plans to build a PV system with around 16 MW of power in Maryland. The state's energy authorities are providing long-term power purchase agreements for two of Constellation Energy's wind projects and one solar project as part of the Generating Clean Horizons initiative. The system will be built on 40 hectares of land owned by the University of Maryland. In addition to providing 15.9 MW for the state, it will provide 1.2 MW to the university, which also signed a power purchase agreement with the project planner. +++ **New Mexico utility inks 22 MW deal with First Solar:** Public Service of New Mexico (PNM), the largest utility in the state, in January announced that it signed a contract with First Solar Inc. for five thin-film PV power plants totaling 22 MW (AC). All five plants are scheduled to come on line by late 2011. The New Mexico Public Regulation Commission must still approve the contract, which is part of PNM's plan

to add 45 MW of utility-scale PV in the 2010-2011 timeframe. The plan was submitted to the energy regulator for approval on Jan. 25.

 **Ontario solar farms:** The Ontarian government, Samsung C&T Corp. and Korea Electric Power Corp. on Jan. 21 signed an agreement for South Korean company Samsung to set up wind turbine and crystalline solar panel production facilities in Ontario, and to supply 2.5 GW of wind and solar farms throughout the province. The agreement calls for 2,000 MW of wind farms and 500 MW of solar parks by 2016. The first 100 MW of solar farms are scheduled to come on line by the first quarter of 2013 and will be built in southern Ontario. An initial 10 MW PV farm is currently under negotiation with the Six Nations of the Grand River, the most populated aboriginal reserve in Canada.

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### Further information

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