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Canadian Solar supplies modules for 100 MW Ontario PV plant

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The solar developer will supply more than 450,000 modules for the project, as well as providing engineering, procurement and construction services.



The 100 MW solar plant will add to Ontario's impressive PV portfolio, particularly at utility scale.
Flickr/Disposable Dreams

Global solar developer Canadian Solar has entered into a partnership with CarbonFree Technology to deliver a 100 MW solar PV plant for the city of Kingston and Loyalist Township in Ontario, Canada.

CarbonFree Technology is a Toronto-based developer of solar and clean energy project, and has also secured the services on Samsung Renewable Energy, Inc., which will act as a development partner on the project.

For its part, Canadian Solar is supplying 464,500 polycrystalline [silicon modules](#), and will also undertake all engineering, procurement and construction (EPC) services. The company will also manufacture the medium voltage inverter houses, which will shelter 125 SMA inverters, manufactured locally. Once completed, the 100 MW solar PV plant will provide clean solar energy to the Ontario Power Authority, which has signed a 20-year feed-in tariff (FIT) contract with the plant.

Debt financing for the project was secured via a syndicate of local banks, with project equity put forward by Connor, Clark & Lunn Infrastructure, Regime de rentes du Mouvement Desjardines, CAAT Pension Plan, and Industrial Alliance. CarbonFree Technology will oversee construction maintenance and will work with Samsung to deliver operations and maintenance once the plant comes online in late 2015. The fully operational plant, which will have a nameplate capacity of 140 MW built in, will generate enough solar energy to power 17,000 local households each year.

"We sincerely appreciate the care and diligence Samsung Renewable Energy has put into developing this blue-chip project, and look forward to continuing to work closely with them, Connor, Clark & Lunn and with our equity and debt partners as the project is constructed," said CarbonFree Technology CEO, David Oxtoby.

The 100 MW solar PV plant will become [one of the largest single utility scale projects in North America](#), and will equal the largest plant currently in production in Canada – the 100 MW Grand Renewable Solar project in Haldimand County, Ontario. Canadian Solar also provided modules and EPC services for this US\$301 million project, which is on course for completion in mid-2015.

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