



# TRANSCANADA - CANADIAN SOLAR

**CLIENT:** Canadian Solar

**LOCATION:** Multiple Locations Canada

## PROJECT DETAILS

The TransCanada - Canadian Solar Project is a multiple, utility scale, photovoltaic facilities project developed by Canadian Solar. TransCanada later purchased each project at its respective completion. RLC was hired to serve as Owner's Engineer, on behalf of TransCanada, to review and comment on Canadian Solar's design and construction efforts and practices.

## SCOPE OF SERVICES

The overall effort involved the following six projects:

- **Brockville 1** – Brockville 1 is a 10 MW Photovoltaic project located in Brockville, Ontario. Brockville 1 utilizes a mix of Canadian Solar CS6P-230P (14,560) and CS6P-235P (42,000) solar panels comprising a project total of 56,560 panels (13,219 MWdc). The panels are configured into twenty arrays, each array supplying a 480 volt, 500 kW, Advanced Energy Solaron inverter.
- **Brockville 2** – Brockville 2 is a 9 MW Photovoltaic project located in Brockville, Ontario. Brockville 2 utilizes a mix of Canadian Solar CS6X-280 (2,464), CS6X-285 (2,464), CS6X-290 (28,776) and CS6X-295 (9,504) solar panels comprising a project total of 43,208 panels (12,541 MWdc). The panels are configured into eighteen arrays, each array supplying a 480 volt, 500 kW, Advanced Energy Solaron inverter.
- **William Rutley** – William Rutley is a 10 MW Photovoltaic project located in Ingleside, Ontario. William Rutley utilizes a mix of Canadian Solar CS6P-280P (24,640) and CS6P-

285P (24,640) solar panels comprising a project total of 49,280 panels (13,921 Wdc). The panels are configured into twenty arrays, each array supplying a 480 volt, 500 kW, Advanced Energy Solaron inverter.

- **Burritts Rapids** – Burritts Rapids is a 7 MW Photovoltaic project located in Smith Falls, Ontario. Burritts Rapids utilizes a mix of Canadian Solar CS6P- 280P (4,928) and CS6P-285P (29,568) solar panels comprising a project total of 34,496 panels (9,807 Wdc). The panels are configured into fourteen arrays, each array supplying a 480 volt, 500 kW, Advanced Energy Solaron inverter.
- **Mississippi Mills** – Mississippi Mills is a 10 MW Photovoltaic project located in Kanata, Ontario. Mississippi Mills utilizes a mix of Canadian Solar CS6P- 290P and CS6P-295P solar panels comprising a project total of 13,939 MWdc. The panels are configured into twenty arrays, each array supplying a 480 volt, 500 kW, Advanced Energy Solaron inverter.
- **Liskeard 1, 3 & 4** – Liskeard 1, 3 & 4 is a multiple 10 MW Photovoltaic project (combined total of 30 MW) located in Timiskaming, Ontario. The Liskeard projects utilize a mix of Canadian Solar CS6P-290P and CS6P- 295P solar panels. The panels are configured into ten arrays, each array supplying a 480 volt, 1000 kW, General Electric inverter.

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