



### Services Provided:

- Electrical Engineering
- Construction Review
- COVER Commissioning

4 Projects – 750 kW Total

### Equipment Details:

#### PV module:

HSC 72 POLY CAN-AM  
Canadian Solar CS6P

#### Inverter:

Solar Edge Inverters (1 & 3 Phase)

#### Racking:

HB Racking

### Contract Details:

**Term:** January to October 2015

### Reference Contact:

*Vigor Clean Tech*

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This portfolio included four projects in total. The client placed a high importance on standardizing the equipment and design details for the project portfolio. The System Owner had already decided to use Solar Edge Inverters for all projects prior to engaging us as the Engineers of Record.

Based on our client's requirements, and the provided layouts, we developed a consistent solution for each project that resulted in capacities within the FIT Contract limits:

- 1 Green Street – St Clements ON - 100 kW
- Derby Arena – Owen Sound, ON – 100 kW
- Shallow Lake Arena – Owen, Sound ON 250 kW
- Wellesley Public Arena – Wellesley, ON – 300 kW

This portfolio offered us two unique challenges; 1. The placement of inverters, 2. Wire sizing that accommodated for the voltage drop given the 208 VAC output of the inverters. Both challenges were overcome by grouping inverters with AC Recombiners and upsizing main feeders back to the transformer.

In addition to electrical engineering design services, we provided construction site reviews, preparation of as-built drawings, and COVER Testing to satisfy the various Local Distribution Company (LDC) requirements.