



Savary Island Off-Grid Solar Specialists

www.sunshinecoastrenewables.ca

Call: **(604) 332-3568** for estimate

Location:	Malaspina Promenade, Savary Island
Installation:	Up-grade existing 220 Watt PV Panels to 440 Watt Bi-Facial Panels
Inverter:	Magnum MS4024PAE (24 V system)
Solar Array size:	1760 Watt Longi Bi-Facial Panels
DC Charge Controller:	Outback FM80 MPPT
Battery Storage:	12 Rolls Surrette KP-33 2V
Project Description:	Project involved the replacement of an old 4 panel array of 220 Watt REC panels with Bi-Facial 440 Watt panels oriented to capture both morning and evening sun. The newest innovation in Solar PV panel design are Bi-Facial panels where the solar cells are located on <i>both</i> faces of the panel. The roof mounting frame was modified and re-built to allow the panels to be mounted almost vertically.

Original 4 Panel Configuration – oriented west to capture evening sun



Dismantle / Removal of Existing Panels and Mounting Frame



Re-built Panel frame at 80% degree angle with new supports using Fast-rack system to accommodate new 72 Cell Panels



New 440 Watt Bi-Facial Panel configuration with both morning and evening sun capture...



