

Solar Energy Society of Alberta
is proud to present:

PHOTOVOLTAIC SYSTEM DESIGN AND MODELLING



Eric Smiley P. Eng.

Course Cost: \$480.00* \$432 for SESA members

Lunch will be provided both days

October 27 - 29, 2017

To register or for more information go to: www.solaralberta.ca Questions: (780) 443-7788

Class location: NAIT Alternative Energy Centre, Edmonton, AB

Upon completion participants will be able to:

- Interpret specifications for major components of Photovoltaic (PV) systems;
- Specify major components of grid-tie, battery-based, and grid-tie battery backup PV systems;
- Specify the Balance of System (BOS) components of PV Systems.
- Apply the appropriate sections of the CEC to PV system design;
- Identify mounting methods and structural constraints, as well as commissioning safety procedures for roof top PV arrays.

Software and Modelling Section:

- Prepare pre-feasibility and feasibility reports using RETScreen Software.
- Conduct performance modelling using System Advisor Model (SAM) Software.
- Identify the abilities and limitations of other software tools (e.g. HOMER)

Upon completion students will receive a Certificate of Completion from the Solar Energy Society of Alberta. Participants should also bring appropriate clothing for working outside.

* SESA does not charge GST

Instructor

Mr. Smiley is the principal of Reid Wylde Engineering Ltd. on Vancouver Island, a renewable energy engineering company. His past experience includes coordinating the Green Building and Renewable Energy Technology Diploma Program at Vancouver Island University. Mr. Smiley holds a Master's Degree in energy system modelling and is a Field Safety Representative for Solar Photovoltaic in BC. He has 20 years of experience in residential and small commercial renewable energy system design, installation and sales. In addition to working on off-grid renewable energy projects, Mr. Smiley continues to teach renewable energy and engineering courses for various organizations in both the US and Canada.

This course is suitable for electricians or those with equivalent knowledge and experience.

YOU MAY QUALIFY FOR AN ALBERTA JOB GRANT

