

## SEEDS Alberta Training Offered

### RenuWell Project

The RenuWell Project will demonstrate how re-purposing legacy oil and gas infrastructure to community solar development can provide significant benefits to energy industries, the environment, and the economy. The widespread deployment of this concept will position Alberta as a world-wide leader in energy diversification. Irrigation Canal Power Co-op Ltd (IRRICAN), Elemental Energy, Canadian Solar, and SkyFire Energy will work to reclaim the orphaned well sites, with Iron and Earth and MHC partnering to develop and deliver a workforce training program.

The first intake will be for 15 students. The training will be held at MHC and is scheduled to take place early Spring 2021.

### Introduction to Trades for Women and Non-Binary

This is a Government funded program for unemployed or under-employed Albertans. Students get exposure and hands on experience in multiple trades as well as math & science for the trades, and essential skills training. Last year, one of our students was placed with Terralta Inc installing solar panels.

Next intake will be in January 2021. Applications for the program will start in late Fall 2020.

### PV101: Solar Training – Solar Electric Design and Installation Course (Grid Direct)

PV101 is your gateway to a career in the solar industry. It all starts with the fundamentals, and a solid understanding of various components, system architectures, and applications for PV systems. Other topics include site analysis, system sizing, array configuration, and performance estimation; electrical design characteristics such as wiring, overcurrent protection, and grounding; a detailed look at module and inverter specifications and characteristics; mounting methods for various roof structures and ground mounts; and an introduction to safely and effectively commissioning grid-direct PV systems. This course focuses on grid-direct PV systems, the largest and fastest growing segment of the PV industry, but covers material critical to understanding all types of PV systems. This course includes hands-on installation of a working system on the final day.

Our program is CSA and NABCEP Certified and meets the prerequisite of in-class and hands-on experience training electricians need for writing the CSA Solar Photovoltaic (PV) Systems Certified (SPVC) Certification (NOC 7241).

This course is eligible for the Canada-Alberta Job Grant! Get 2/3 of your cost covered by visiting [www.alberta.ca/canada-alberta-job-grant](http://www.alberta.ca/canada-alberta-job-grant)

### PV Systems Commissioning Course

The PV Systems Commissioning course is for those interested in constructing, operating, commissioning, and maintaining PV systems. PV Commissioning Specialists understand and follow a quality-oriented process for achieving, verifying, and documenting the performance and safety of PV systems. Included in this course is a thorough introduction to solar photovoltaic systems and covers existing global standards, safety, documentation, design, diagnostic testing, troubleshooting and customer training. You will become familiar with the solar PV construction, develop an understanding of the components inside and out as well as learn to review design documentation, conduct tests and perform preventative & corrective maintenance.

### MHC Pre-Employment Programs Related to Renewable Energy

#### Pre-employment Electrician

This program is designed to help you become more marketable when seeking employment in the electrical trade. Gaining entry-level skills needed to give you a better chance of getting hired and becoming indentured as an apprentice. If you are looking for a career in solar installations this is the program for you!

#### Pre-employment Welding

This program is designed to help you become more marketable when seeking employment in the welding trade. You will gain the entry-level skills needed to give you a better chance of getting hired and becoming indentured as an apprentice. If you are looking for a career in wind turbines this is the program for you!

Please contact Erin Ferris at [eferris@mhc.ab.ca](mailto:eferris@mhc.ab.ca) or visit [mhc.ab.ca](http://mhc.ab.ca) for more information and to sign up for courses