SolarHomes

Approved Installer Application Form

Application checklist

In order to become an Approved Solar Installer and offer the SolarHomes rebate to clients, **your company must submit the following:**

- ☐ application to become an Efficiency Trade Network (ETN) member efficiencyns.ca/trade-network
- ☐ offer a minimum 1-year warranty on all workmanship
- ☐ names of all solar installers and any electricians on staff and/or subcontracted
- ☐ Red Seal certificates for any electricians on staff and/or subcontracted
- ☐ safety certifications for all solar installers on staff and/or subcontracted
  - ☐ First Aid (Emergency or Standard) Certificate
  - ☐ Fall Protection (Compliant with Nova Scotia OH&S Act section 21.3) Certificate
- ☐ Solar Installer training certificate for each Installer*

**If you are subcontracting installs, we ask that at least one person in your company obtains the requirements above.*

Please Note: Installers new to the industry will be considered on probation, where Efficiency Nova Scotia may at its sole discretion complete inspections on their first 3 projects for quality and safety.

Solar PV Design and Installation Training Curriculum Requirements

As a program requirement, all installers must have taken comprehensive hands-on training for Solar PV design and installation.

The PV installation course that you choose must cover, at a minimum, the following topics:

- Electrical fundamentals
  - Understand the following and how they relate to one another: DC & AC, voltage & current, series & parallel connections, grounding & bonding, and wire sizing
  - Calculate wire sizing for a given system
- Solar energy principles
  - Understand solar energy, how time and season affect the sun's path, solar PV potential, and be able to define and explain how each of the following site characteristics impact solar PV production: shading, slope, azimuth
  - Calculate solar PV potential for a given site
- PV modules
  - Understand and be able to interpret manufacturer's data sheets
  - Calculate Voc and Isc and describe how each is used in a systems design
  - Calculate string and array sizing for a given system

- Inverters
  - Understand and be able to interpret manufacturer's data sheets
  - Understand the difference between string inverters and micro-inverters
  - For a given string inverter, calculate maximum string and array sizing
  - For a given micro-inverter, calculate maximum number of inverters per circuit
- Racking
  - Understand and be able to interpret manufacturer's data sheets
  - Understand the differences between roof mounted and ground mounted systems
  - Explain and be able to demonstrate each of the following racking methods: truss & rafter penetrating racking system, non-penetrating truss & rafter system
- Installation
  - Hands-on experience installing and connecting racking, inverters, and modules

Business Information

Business Name:	
Business Contact Name:	**Title:**
Phone:	
Email Address:	
Mailing Address:	
City/Town:	**Postal Code:**

Solar Installer and/or Electrician Information

Please complete for all **solar installers** on staff and/or subcontracted and include:

- First Aid (Emergency or Standard) Certificate
- Fall Arrest training certifications (Compliant with Nova Scotia OH&S Act section 21.3)

Please complete for all **electricians** on staff and/or subcontracted and include:

- Red Seal certificate

Type	Contact Name	Subcontractor Company (if applicable)
☐ Installer ☐ Electrician		
☐ Installer ☐ Electrician		
☐ Installer ☐ Electrician		
☐ Installer ☐ Electrician		
☐ Installer ☐ Electrician		
☐ Installer ☐ Electrician		

Terms and Conditions

I hereby consent and acknowledge that:

1. *All information provided in this application is complete and accurate.*
2. *Administration of this program requires the sharing and exchange of information between Efficiency Nova Scotia and Nova Scotia Power. I hereby consent to the release, use, storage and exchange of information between Efficiency Nova Scotia and Nova Scotia Power, including, but not limited to, the companies status as an Approved Installer, issues with installations or customers, plan review or inspection results, status of applications for the purposes of determining eligibility as an approved installer, quality assurance and general administration of the SolarHomes Program.*
3. *Efficiency Nova Scotia may at its sole discretion, approve or reject an application at any time.*
4. *Installers may be required to take supplemental and/or safety training to maintain status as an Approved Installer.*
5. *Terms and Conditions for the SolarHomes Program as well as the requirements to be on the Approved Installers list are subject to change at any time.*
6. *Installations completed under the SolarHomes Program may periodically be reviewed by Efficiency Nova Scotia and/or their third-party representatives for quality assurance and evaluation purposes.*
7. *I agree to provide a minimum of one (1) year warranty of workmanship on all solar installs performed through Efficiency Nova Scotia's SolarHomes program.*
8. *I understand that a construction electrician is required to perform electrical connections including combiner boxes, panel boards, micro-inverters that are not assembled with factory installed connectors, utility switches rapid shutdowns, and meter bases. This includes the grounding of the systems and bonding of the frames to ground. I further understand that a construction electrician is required when a separate ground or bond wire is used in the installation of a solar PV system.*
9. *I am the signing authority for the organization.*

_____ _____

Name Company Name

_____ _____/_____/_____

Signature DD MM YYYY

Please send completed application and supporting documents to:

Email:

network@efficiencyns.ca

(please note that we cannot accept high-risk attachments such as ZIP, EXE or files that exceed 10MB).

Fax:

902 470 3599

Attention: ETN

Mail:

Efficiency Nova Scotia
230 Brownlow Avenue
Suite 300
Dartmouth, NS B3B 0G5

Attention: ETN