

OFFICE OF THE SECRETARY OF STATE
SHEMIA FAGAN
SECRETARY OF STATE

CHERYL MYERS
DEPUTY SECRETARY OF STATE



ARCHIVES DIVISION
STEPHANIE CLARK
DIRECTOR

800 SUMMER STREET NE
SALEM, OR 97310
503-373-0701

PERMANENT ADMINISTRATIVE ORDER

BCD 9-2021
CHAPTER 918
DEPARTMENT OF CONSUMER AND BUSINESS SERVICES
BUILDING CODES DIVISION

FILED
09/29/2021 1:41 PM
ARCHIVES DIVISION
SECRETARY OF STATE
& LEGISLATIVE COUNSEL

FILING CAPTION: Modifying the scope of work for Limited Renewable Energy Technician license

EFFECTIVE DATE: 10/01/2021

AGENCY APPROVED DATE: 09/29/2021

CONTACT: Laura Burns
503-373-0226
laura.l.burns@oregon.gov

1535 Edgewater St NW
Salem, OR 97304

Filed By:
Laura Burns
Rules Coordinator

RULES:

918-282-0033, 918-282-0400

AMEND: 918-282-0033

REPEAL: Temporary 918-282-0033 from BCD 7-2021

RULE TITLE: Limited Renewable Energy Contractor

NOTICE FILED DATE: 08/04/2021

RULE SUMMARY: Increases the kilowatt limit of electrical installations on which the LRT can work from 25 to 50 kilowatts AC.

RULE TEXT:

In addition to the requirements of OAR 918-282-0000, a limited renewable energy contractor:

- (1) Engages in the business of or makes the limited types of electrical installations limited to 50 KW AC, calculated as the sum of the manufacturer's rated capacity of the AC side of the inverters connected to the generating equipment, and 600 volts nominal or less, specified in ORS 479.630(16);
- (2) Continuously employs at least one general supervising electrician, general journeyman electrician or limited renewable energy technician to act as signing supervising electrician to:
 - (a) Obtain and sign permits; and
 - (b) Supervise the electrical installations authorized by ORS 479.630(16).

STATUTORY/OTHER AUTHORITY: ORS 479.630

STATUTES/OTHER IMPLEMENTED: ORS 479.630

AMEND: 918-282-0400

REPEAL: Temporary 918-282-0400 from BCD 7-2021

RULE TITLE: Solar Licensing

NOTICE FILED DATE: 08/04/2021

RULE SUMMARY: Allows the LRT to install all DC wiring and DC connections up to the load side of an inverter; Allows the LRT to install AC electrical wiring and connections to the termination of the final factory-provided interconnecting cable on the exterior of a structure that extends a maximum distance of 10 feet from the renewable energy system, and extends no more than three feet within an accessible space of a structure, and does not connect to the structure's wiring system; and Allows the LRT to make connections to generators that are sized to facilitate the inverter in an off-grid system.

RULE TEXT:

The purpose of this rule is to clarify the scope of work for solar installations. It does not affect the scope of licenses established in ORS 479.630.

(1) For the purposes of this rule the following definitions apply:

(a) "Building Integrated" means photovoltaic (PV) cells, devices, modules, or modular materials that are integrated into the outer surface or structure of a building and serve as the outer protective surface of that building or structure, such as the roof, skylights, windows or facades.

(b) "Module" means a complete, environmentally protected unit consisting of solar cells, optics, and other components, exclusive of tracker, designed to generate dc power when exposed to sunlight.

(c) "Racking" means the material, supports, attachment, frame, skeleton used to attach a solar system or module to a building, structure, or ground mounting.

(d) "Rack mounted PV module" means a PV module that is attached to racking.

(2) Persons placing or installing structural elements, including footings, roofs, carports, racking, and building integrated PV modules are not required to possess an electrical license.

(3) The total generating capacity of a PV system, measured in KW AC, is determined by calculating the sum of the manufacturer's rated capacity of the AC side of the inverters connected to the solar panels.

(4) The following licensing requirements apply to PV system installations:

(a) For PV systems not exceeding 50 KW AC a Limited Renewable Energy Technician, General Journeyman Electrician, General Supervising Electrician or a Limited Residential Electrician working within the scope of their license is required to perform the following:

(A) Installation or attachment of PV modules to racking.

(B) Making electrical connections between modules, including installation of all conductors that connect to and/or interconnect all PV modules regardless of the type of electrical connection including plug-type interconnections.

(C) Making electrical connections to combiner boxes and inverter(s), including installation of all conductors between arrays and combiner boxes, up to the load side of the inverter.

(D) All elements of system grounding utilizing wire-type conductors on the DC side of the inverter.

(E) Making AC electrical wiring and connections to the termination of the final factory-provided interconnecting cable on the exterior of a structure that extends a maximum distance of 10 feet from the renewable energy system, and extends no more than three feet within an accessible space of a structure, and does not connect to the structure's wiring system.

(b) For PV systems exceeding 50 KW AC a General Journeyman Electrician, General Supervising Electrician or a Limited Residential Electrician working within the scope of their license is required to perform the following:

(A) Installation or attachment of PV modules to racking.

(B) Making electrical connections between modules, including installation of all conductors that connect to and/or interconnect all PV modules regardless of the type of electrical connection including plug-type interconnections.

(C) Making electrical connections to combiner boxes and inverter(s), including installation of all conductors between

arrays and combiner boxes, up to the load side of the inverter.

(D) All elements of system grounding utilizing wire-type conductors.

(E) Electrical connections to building electrical system including all AC connections on the line side of the inverter(s).

STATUTORY/OTHER AUTHORITY: ORS 455.117, ORS 479.730, ORS 479.630

STATUTES/OTHER IMPLEMENTED: ORS 479.730, ORS 479.630