



# SOLAR HOT WATER UNITS

## Permits Required:

Roof-mounted solar units require a plumbing permit for connection to the potable water system and sometimes require an electrical permit for any pumps. Also the weight and/or installation of the solar unit can cause structural failure. Therefore State building codes require permits for installation of all solar hot water units.

## Information Required:

The applicant must submit a completed building permit application and electrical application if electrical work is proposed. Two sets of plans (drawn to scale) with the following information are required:

- a) Location of the panels on the roof.  
- Trusses, or span, size, and spacing of rafters.
- b) Location of the tank in the house (slab or wood-framed floor).  
- Span, size, spacing, and direction of joists.
- c) Anticipated weight of the panels and the water tank.
- d) Details of how the unit will be connected to the structure.
- e) Manufacturer's specifications and installation instructions.

## Permit Fees:

Fees listed include applicable 12% State and 9% City administrative charges.

Current as of July 2019	Solar H/W
Building Permit & Plan Review	207.59
Plumbing Permit	115.09
<b>*Total</b>	<b>\$322.68</b>

Electrical (if needed 1 branch circuit)	91.89
<b>*Total (w/electrical):</b>	<b>\$414.57</b>

\* It is important to note that review time for Supplemental Information is billed at \$113.91 per hour (1/2 hour \$56.95 minimum).

## Field Inspections:

Inspections are scheduled [online](#).\*

Final Plumbing - Inspection of the potable water connection to ensure proper backflow prevention is provided.

Final Electrical - Required when wiring is installed.

Underfloor Framing - Sometimes required. This inspection depends upon the information provided at the time the application was made (item c above).

Framing - Inspection of the panel connection to the roof structure.

Final Building - To close the record.

Note: In cases where electrical permits are needed, the electrical permit application must be signed by the supervising electrician or owner of the property for owner installations.

\*If you do not have access to a computer, inspections can be scheduled by contacting Inspection Support staff during business hours at 541-682-5283.