



# Missoula County Residential Solar PV Permitting Checklist

This document is intended to explain the permitting process for residential solar electric (photovoltaic) systems in Missoula County, outside the Missoula city limits. For projects within the Missoula city limits, please refer to the City of Missoula's solar permitting information at <https://www.ci.missoula.mt.us/2275/Going-Solar>.

## I) Roof Mounted Solar:

1. Apply for Land Use – Zoning Compliance Permit. Fee = \$100.

Permit Requirements:

- A. Schematic elevations of all four sides of the house, including the new overall height after the solar panels are added.
- B. Site plan (a rough sketch is fine) showing property boundaries, existing structures, proposed structure locations, wells, drain fields, replacement area (if not known please contact the health department for a copy of the septic permit), access, driveways, and all known easements and right-of-ways, etc.

2. Apply for Building Permit. Fee = \$90

Permit Requirements:

- A. If the solar panels are going on an existing roof, the permit requires installer schematics and a letter from a licensed Montana Engineer stating the building can handle the additional load along with the snow load, wind shear, and seismic zones.
- B. If upgrades to the roof are required by the engineer, a building inspection is required to verify the modifications prior to installation of the solar panels. If structural modification is required to handle the new roof load then an additional building permit could be required. The fee is \$90 for an additional building permit, plus the cost of the design modifications determined by the engineer.
- C. If upgrades to the existing roof are not required, then the only inspection required is a final inspection at the completion of the project.

3. Apply for an Electrical Permit. Fee = \$62.

Permit Requirements:

- A. This permit must be obtained by a licensed electrician. Neither the homeowner nor the solar installer may obtain the permit unless they are licensed electricians. The exception is solar projects which will not be tied to the electric grid, in which case the homeowner may obtain the electrical permit.
- B. If a service upgrade is required, an additional \$52 service upgrade fee will be charged.

## II) Pole/Ground Mounted Solar:

1. Apply for Land Use – Zoning Compliance Permit. Fee = \$50.

Permit Requirements:

- A. Overall height of structure (elevations or profile).
- B. Site plan (a rough sketch is fine) showing property boundaries, existing structures, proposed structure locations, wells, drain fields, replacement area (if not known please contact the health department for a copy of the septic permit), access, driveways, and all known easements and right-of-ways, etc.

2. Apply for a Building Permit. Fee = \$90.

Permit Requirements:

- A. If structure is over 8 feet in height a set of plans stamped by a Licensed Montana Engineer that include footing, foundation, wind shear (90 mph wind gusts of 3 seconds), seismic zone C or D (depending on location), and snow load (depending on location), and install schematics are required.

3. Apply for an Electrical Permit. Fee = \$62.

- A. This permit must be obtained by a licensed electrician. Neither the homeowner nor the solar installer may obtain the permit unless they are licensed electricians. The exception is solar projects which will not be tied to the electric grid, in which case the homeowner may obtain the electrical permit.

- B. If a service upgrade is required, an additional \$52 service upgrade fee will be charged.

## III) Floodplain Information:

1. For both roof mounted and pole/ground mounted solar projects, determine whether the property is located within a designated floodplain. This information can be found by entering the property address at <https://gis.missoulacounty.us/CAPS/Floodplain/>.
2. If the proposed location is within floodplain contact the Floodplain Administrator for additional information. (406) 258-4841 or [tklietz@missoulacounty.us](mailto:tklietz@missoulacounty.us)
3. If a floodplain permit is required the fee is \$675.

## (IV) Apply for a Permit Online:

All permits required for solar installations are available through Odyssey, Missoula County Public Work's online permitting system: <https://webapps.missoulacounty.us/publicpermitting/>.

Information required for an online permit application:

1. Geocode, address, and/or legal description. You can obtain this information at: <http://gis.missoulacounty.us/propertyinformation/>
2. Property owner name, address, and phone number (so owner can be contacted).
3. Contractor's name, address, phone number, email address, and current MT contractor's license number.
4. Electrician's license number (for electrical permits).

### To Create Account:

- 1) Click "Register>>"
- 2) Create your personal account and allow one full day for the account to be verified.
- 3) Be sure to make note of your user name and password!
- 4) After verification, you can start applying, paying and tracking your permits online.

### To Apply for a Permit:

- 1) Click "Login>>" and enter the user name and password that you created during registration.
- 2) Click the "Login" Button
- 3) Select the type of permit you are applying for from the list on the left of the screen: Address/Approach, Building, Electrical, Excavation, Land Use/Zoning (LUZC), Mechanical, or Plumbing.
- 4) After selecting the type of permit, fill in the requested information in each field.
- 5) Note: below the "Property Owner" section there is a check box that defaults to "Contractor Same as Property Owner." If the Contractor is different than the owner, click the check box to open the Contractor information.
- 6) At the top of the "Property Owner", "Contractor", "Design Professional" and "Tenant" Sections there is a link "Fill from account information" which will auto fill from your account information.
- 7) A site plan is required for Building, Land Use/ Zoning Compliance, Excavation, and Address/Approach Permits. Example site plans and more information on building permit application requirements are available at <http://www.missoulacounty.us/government/public-works/public-works/building-division>.
- 8) If applicable, upload electronic files associated with the permit in the "Drop files here" box; it will only accept PDF files under 10MB. **For Building permits: one complete set of hard copy plans** must be submitted to the Missoula County Building Department at 6089 Training Drive, Missoula, MT 59808. Or you can request that we print out the PDF plans at a cost of \$5.00 per page (24" x 36").
- 9) After inputting all required information for your permit, click on the "Accept Terms and Conditions" box.
- 10) Click on "Submit" at the bottom of the page.
- 11) You will receive a message that the permit was successfully submitted.
- 12) You can pay the permit fee by clicking on the **View Permit** (green button), and then the **\$ Fees** (orange button). At the bottom of the page is a blue link "Pay by Credit Card or eCheck" –**Pop-Up blockers must be off**. This link will re-direct you to MT Interactive which accepts Visa, Master Card, Discover or eChecks. Note: there is a 3rd party processing fee of \$1.25 + 1.995% for credit cards and \$2.00 for eChecks.
- 13) Inspections cannot be scheduled on-line. To schedule an inspection, please call our office at 406-258-3701 with the permit number, address, and the type of inspection.
- 14) Contact the Public Works office at 406-258-3701 or 3702 if you have questions.