

RESIDENTIAL SOLAR AND WIND PERMIT FAQ'S (FREQUENTLY ASKED QUESTIONS)

BUILDING DIVISION

Permit & Plan Requirements

1. Application
2. Site plan – engineered scale and according to Coconino County site plan requirements
3. One line electrical diagram (Solar PV and Wind); plumbing diagram (Solar Thermal)
4. Roof plan showing adjacent framing at panels
5. Roof mounting detail
6. Equipment list with specification, such as:
 - a) panels
 - b) inverters
 - c) hardware
7. Electrical panel tie in detail
8. Foundation plan for grade set Solar PV; Foundation and tower plan for wind systems.

Electrical Note:

All work to be done according to 2005 National Electric Code by recognized wiring methods.

Structural Note:

All snow load designed roofs typically meet the additional dead load requirements of the Solar PV or Solar Thermal installation. A structural review of the roof framing will be required.

Residential Solar Photovoltaic (PV) System Permit Fee

Example of an average 3.5 KW system of 15 panels for a 2000 sf home

Building Permit	45.34
Plan Check	<u>22.67</u>
	\$68.01
Electric Permit	30.00
2 circuits @ \$5.00 each	10.00
1 subpanel	10.00
1 inverter	10.00
15 panels @ \$5.00	<u>75.00</u>
	\$135.00
	\$68.01
	<u>\$135.00</u>
Total	\$203.01

Residential Solar Thermal (Hot Water) Permit Fee

Example of an average 3 panel system for a 2000 sf home

Building Permit	45.34
Plan Check	<u>22.67</u>
	\$68.01
Plumbing Permit	30.00
Tank Heat Exchanger	5.00
Expansion Tank	5.00
3 panels @ 10.00 each	30.00
Water line	<u>10.00</u>
	\$80.00
	68.01
	<u>80.00</u>
Total	\$148.01

Residential Wind Energy System (Generator and Tower) Permit Fee

Note: Wind Energy Systems are subject to the Development Standards as established in the Coconino County Zoning Ordinance. For questions please contact the Coconino County Planning and Zoning Department.

Wind Energy Systems, towers and foundations shall be engineered and the plans prepared and sealed by an Arizona Registered Professional Engineer.

Example of a small residential generator, 2-4 KW Wind Energy System

Building Permit	45.34
Plan Check	<u>22.67</u>
	68.01
Electrical Permit	30.00
2 circuits @ \$5.00 each	10.00
2 inverter	10.00
1 sub panel	10.00
1 wind generator	<u>12.00</u>
	\$72.00
	68.01
	<u>72.00</u>
Total	\$140.01