

Environmental Health Division

Submit an **accurate site plan** with the following:

- Exact location of existing septic system (tank and dispersal field)
- Replacement area (shall be sized using current standards, either 1000 sq ft/ bedroom or provide site evaluation)
- All existing wells (ag and domestic) on parcel and within 100' of property line
- All existing and proposed improvements

Confirm there are septic records on file with Environmental Health by calling (530) 666-8646 or emailing ehhealth@yolocounty.org. **If there is no septic information on file**, there are 3 options to fulfill this requirement:

- Provide a copy of the approved County septic permit with an approved as-built site plan.

OR
- Provide pictures of exposed septic tank lids with a description of directional orientation. (This option may require additional information because the dispersal system location must also be identified.)

OR
- Hire a licensed septic contractor to locate the existing septic tank and dispersal system. Provide Environmental Health a report and an as-built site map written/ drawn by a hired septic contractor to include all components of a septic system.

For any questions or additional information, contact the Environmental Health Division at (530) 666-8646.

Building Division

Submit **two sets of complete plans and applicable information**. Plans must be legible and drawing sizes shall be a minimum of 11"x17" to a maximum of 30"x42" and include the following:

- Site plan - include a complete parcel with the location of proposed solar panels, electrical and equipment. Identify existing location of electrical main, building(s) and structure(s) with its use listed (i.e. house, barn...), existing driveway from county road to be used, well(s), septic system(s) and leach field(s), set-backs and directional arrows. Google Earth snap shot of the parcel is not a site plan.
- Foundation, piers, and footing details
- Soils report required for commercial ground mount foundation systems. Residential foundation design shall be based on 1500 lbs per sq ft
- Electrical line diagram, load calculations, conductor sizing, service size and location
- Manufacturer's installation specifications and instructions (Inverter and solar panel tracking)
- Structural plans and calculations
- Elevation showing panel installation and panel heights
- Battery bank information

Design criteria must meet the following and shall also be listed on your plans:

- Seismic Zone D or provide analysis and calculations from California Registered Engineer
- Basic velocity 110 mph 3 second gust exposure C or provide speed calculations from California Registered Engineer
- 2016 editions of the California Codes: Building (CBC), Electrical (CEC), and Fire (CFC).

Include a flood determination for properties with the following flood zone: A, AE, AO

If the existing building(s) / or structure (s) being improved are in the flood zone or of a distance of 50' or less from the flood line, then the NFIP requirements apply:

- A substantial improvement form shall be required
- Provide proof that the existing building(s) / or structure(s) already meet the NFIP requirements.

If the photovoltaic system serves the grid or ag-pumps only, these are exempt from the NFIP requirements.

For any questions or additional information, contact the Building Division at (530) 666-8775.

Planning Division

Submit a **site plan** that identifies setbacks from property lines and water features.

A small solar ground mount system (occupying less than 2.5 acres) shall be required to meet setbacks for the zone in which it is located, but may encroach into rear or side setbacks up to 5 ft from property lines, and may encroach into the front yard setback in an agricultural zone.

Any ground mount system that occupies more than 2.5 acres of land shall require issuance of a Site Plan Review or Use Permit, prior to building permit submittal.

Please contact the Planning Division at (530) 666-8078 for assistance.

Public Works Division

Any temporary or new driveways associated with a solar project will require a separate **Public Works encroachment permit**. Any existing driveways must be included in plans submitted to the Building Division.

Contact the Public Works Division at (530) 666-8039 for more information.

Complete submissions can be reviewed and approved **faster**. For **streamlined processing**, submit **all** requirements for each Division. Submit all materials to the Building Division.

Before you submit, do you have...

- Complete set of plans with appropriate design criteria for the Building Division. If applicable, include flood determination and NFIP requirements.
- Accurate site plans and septic records for the Environmental Health Division. If no septic records available, complete an alternative method for septic requirement.
- Site plan that identifies setbacks for the Planning Division. If system occupies more than 2.5 acres, a Site Plan Review or Use Permit is required.
- If temporary or new driveways are required, a Public Works encroachment permit must be submitted to the Public Works Division.

Yolo County
Department of Community Services
Environmental Health Division



Building Division
Planning Division
Public Works Division

292 W Beamer St
Woodland, CA

<http://www.yolocounty.org>

GROUND MOUNT SOLAR SYSTEMS

Permitting requirements for
**Environmental Health,
Building, Planning, and Public
Works Divisions**



Yolo County
**Department of
Community Services**

Revised April 2017

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