City of Dixon
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Residential Energy Storage System

ONLINE PERMIT SUBMITTAL – PLEASE READ BELOW

To submit through the Dixon Civic Access Portal please go to City of Dixon, CA and you can find other information here Welcome to the Official Website of the City of Dixon, CA - Forms, Fees, and Permits. You may also apply for a permit using SolarAPP+ using the Dixon Civic Access portal and you may find further information here Welcome to the Official Website of the City of Dixon, CA - SolarApp+ Permitting Instructions.

CONVENTIONAL PERMIT SUBMITTAL – GENERAL REQUIREMENTS

☐ A separate application and building permit is required for Energy Storage Systems.

☐ Minimum plan size is 11"x17" with a minimum font size of 10.
- Please include 2 full sets of plans and 2 sets of supporting documents. Provide manufacture's specifications and installation instructions for all new equipment.

☐ If a photovoltaic system is being applied for at the same time, please refer to the City of Dixon PV checklist for the submittal requirements.

☐ Include the applicable codes on the cover sheet for the project.

☐ Include a complete scope of work on the cover sheet for the project. Identify if the system is to be used as a partial home backup or a whole home backup.

☐ The City of Dixon strongly encourages ESS power storage units to be installed outside the garage. If power storage units must be mounted on the exterior of the structure, they shall be located such that they are not visible from a public or private street. A physical screening structure such as but not limited to a fence or natural vegetation may be required.

☐ When mounted in the garage, they shall be mounted on the interior sidewall of garages rather than the end wall. An area 18 feet x 16 feet wide clear of obstructions must be maintained for a standard 2 car garage (18 feet x 8 feet for a single car garage). This can be demonstrated by providing a dimensioned plan of the garage and a cross section illustrating the energy storage systems mounted a minimum 48 inches above the finished

floor to keep clear of most hoods, trunks, vehicle door swings, etc.

ELECTRICAL REQUIREMENTS

- ☐ Provide an accurate site and floor plan showing the following:
  - A legend or key for the site and floor plan.
  - The location of the structure and the location where the system is to be installed.
  - All equipment that is to be interconnected with the ESS (e.g., utility service, subpanel, PV system, etc.) shall be identified as new or existing equipment.
  - Show required (indoor/outdoor) working clearances for existing/new electrical equipment.
  - Show conduit/cable routing of the ESS, PV, and related circuits.

- ☐ Provide an elevation drawing of the system equipment.

- ☐ Show method and location of required ventilation equipment (if required) for indoor installations. (CEC 110.13(B))

- ☐ Show trench or overhead runs, as applicable, and denote whether conductors are routed indoors or outdoors.

- ☐ Show location and/or method of rapid shutdown initiation of the ESS, when integrated with a PV system (CEC 690.12) and the point of interconnection between the ESS and other power production sources.

- ☐ Provide documentation from a National Recognized Testing Laboratory (NRTL) showing that the ESS is listed as a multi-mode inverter per UL 1741. (CEC 705.4)

- ☐ Add a note that plug-in type back-fed circuit breakers connected to an interconnected supply shall be secured in in accordance with (CEC 408.36(D).

- ☐ Provide a permanent plaque or directory denoting all electric power sources on or in the premises, which shall be installed at the main service panel and at all locations of all electric power production sources capable of being interconnected. (CEC 705.10)

- ☐ Disconnecting means shall be provided for the ESS. Disconnects are required within 5’ of main service panel or if structural conditions exist may be within 10’ of main service panel and within in sight. Permanent plaque or directory denoting location is required.

- ☐ Please demonstrate unobstructed access on the plans to all required disconnects or as determined by the City of Dixon Fire Department.

- ☐ Provide maximum aggregate ratings of the ESS on the plans and they will be subject to the location restrictions as shown on Table R330.5 of the 2025 CRC.

- ☐ Permit and installation will be subject to the provisions of the 2025 California Residential Code section R330 and the 2025 California Electrical Code.