



PHOTOVOLTAIC PERMIT GUIDELINES

In order to minimize installation problems, plans must be provided that show compliance with all applicable building codes. In order to expedite the plan review and approval process, it is recommended that the plans include all of the information discussed in this handout. The following information is general and is intended only as a guide. Each project is unique and additional requirements may apply.

Site Plan

Provide a fully dimensioned site plan showing property lines, *all structures*, and the location of the main electrical service, all photovoltaic inverters and disconnects, etc (legible scale 1/8:12)

Roof Plan

Provide a roof plan showing the location of the photovoltaic panels and any required walkways to roof mounted equipment (including any roof mounted heating and air conditioning equipment, plumbing vents, sky lights, etc.). Roof plans should also identify the size and spacing of the existing roof framing members and the slope of the roof plus any required roof framing alterations needed.

Attachment Details

Provide details to show how the photovoltaic panels will be secured to the roof without interfering with any existing venting systems.

Engineering Calculations

Engineering calculations may be required on some photovoltaic systems to show that the existing roof is strong enough to support the added weight of the system.

Electrical Single Line Diagram

Provide a complete electrical single line diagram showing all electrical equipment, conductor size and type, conduit sizes, over current protection location and ratings, grounding electrode type and location, point of interconnection to existing service panel (i.e. back fed breaker), etc.

Product Specifications and Literature

Provide specifications on the inverters, solar panels, disconnect boxes and solar panel anchorage system to be used.

Signage Specifications

Provide a legend showing locations and wording of all required signs or placards at various photovoltaic system components.