

SOLAR PV / ESS FIRE REVIEW AND INSPECTION

HOW TO USE THIS PACKET

Complete the project information below, then complete only the Solar PV pages, ESS pages, or both that apply to your permit. Mark items N/A when they are outside the approved scope. Do not mark PASS until the installed condition matches the approved permit documents. BFFR may require an on-site final inspection before the fire review hold is released.

SOLAR PV REVIEW / INSPECTION

\$275

ESS REVIEW / INSPECTION

\$275

SOLAR + ESS

\$550

when both apply

REINSPECTION

\$200

when applicable

1. PROJECT / PERMIT INFORMATION

PPRBD Permit #

Project Address

Owner / Applicant

City / ZIP

Contractor / Installer

Phone

Contractor Email

Date Completed

2. PROJECT TYPE - CHECK ALL THAT APPLY

☐ Solar PV☐ Roof-mounted☐ Ground-mounted☐ ESS☐ Solar + ESS

3. SYSTEM SUMMARY

SOLAR PV

Array Size (kW DC)

Module

Inverter

Array Location

PV Disconnect

ESS

Manufacturer

Model

Units

Total Capacity (kWh)

ESS Location

IMPORTANT

This packet documents BFFR fire-service and life-safety review items. It does not replace PPRBD electrical/building inspections, NEC compliance, manufacturer instructions, or any project-specific BFFR conditions.

SOLAR PV - ACCESS AND ROOF LAYOUT

Use this page for roof-mounted and ground-mounted Solar PV as applicable. Verify the installed array does not block required firefighter access, emergency openings, or the approved roof pathways. Mark N/A when the item does not apply.

		PASS	N/A	BFFR
IFC 1205 / Plans	Approved layout Array location and access match the approved permit drawings and any BFFR conditions.	☐	☐	☐
IRC R324 / Plans	Residential roof pathways Required roof access pathways are maintained from the roof edge toward the ridge as shown on the approved plans.	☐	☐	☐
IRC R324 / Plans	Ridge setbacks Required ridge setbacks and roof access clearances remain open and are not reduced by field changes.	☐	☐	☐
IRC R310 / Plans	Emergency escape openings PV modules, rails and equipment do not obstruct required emergency escape/rescue openings or access to them.	☐	☐	☐
IFC 1205 / Plans	Commercial roof access Required perimeter, interior pathways, smoke/heat vent access, skylight clearances, or other fire-service access is maintained.	☐	☐	☐
IFC / Plans	Ground-mounted access Ground-mounted arrays do not obstruct fire apparatus access, hydrants, disconnects, gates, or other emergency access.	☐	☐	☐
Approved Plans	Roof operations Array placement does not block approved firefighter operating areas, roof access points, or required ventilation locations.	☐	☐	☐
Approved Plans	No unapproved relocation Modules, inverters, combiners and related equipment have not been moved into required access areas without approval.	☐	☐	☐

SOLAR PV - CONTROLS, IDENTIFICATION AND FINAL CONDITION

		PASS	N/A	BFFR
NEC / IFC	Rapid shutdown Required rapid-shutdown equipment is installed, identified, accessible, and configured consistent with the approved design.	☐	☐	☐
NEC / Plans	PV disconnects Required PV disconnecting means and grid shutdown controls are in the approved location, readily accessible, and permanently identified.	☐	☐	☐
NEC / IFC	Directory / plaque Required directory or plaque identifies the location of disconnecting means where more than one location exists.	☐	☐	☐
NEC / IFC	Labels and markings Required PV, rapid-shutdown, service, inverter and equipment labels are installed, legible, durable, and visible after completion.	☐	☐	☐
Approved Plans	Array and equipment Array layout, inverter/combiner location, construction and equipment match the approved permit documents.	☐	☐	☐
Approved Plans	Wiring / conduit routing PV wiring and conduit are routed so they do not create an obstruction to required roof access or emergency operations.	☐	☐	☐
Approved Plans	Mounting / roof condition Roof penetrations and mounting are complete, and no loose parts, exposed sharp hazards, debris, or incomplete work remain.	☐	☐	☐
Firefighter Access	Clear emergency controls Disconnects, service equipment and emergency controls remain clear of storage, landscaping, fencing, snow accumulation, or other obstructions.	☐	☐	☐

SOLAR PV CONTRACTOR NOTES / ITEMS REQUIRING BFFR REVIEW

ENERGY STORAGE SYSTEM - LOCATION AND APPROVED INSTALLATION

Use these ESS pages for residential or commercial battery storage. Larger, unusual-chemistry, high-capacity, or specially engineered systems may require additional project-specific BFFR documentation and conditions.

		PASS	N/A	BFFR
IFC 1207 / IRC R324 Listing	ESS equipment is listed/labeled as required and the installed manufacturer/model matches the approved permit documents.	☐	☐	☐
Listing / Mfr.	Installation instructions Equipment is installed in accordance with the listing and manufacturer installation instructions.	☐	☐	☐
Approved Plans	Approved location ESS is installed only at the approved location and is not relocated into a prohibited sleeping-room location, egress path, or other restricted area.	☐	☐	☐
IFC / IRC / Plans	Separation Required separation between ESS units and from doors, windows, openings, equipment, or combustible construction is maintained.	☐	☐	☐
Approved Plans	Room / wall protection Where required, wall/ceiling construction, enclosure, room protection, or exterior clearances match the approved design.	☐	☐	☐
IFC / IRC	Vehicle impact ESS exposed to vehicle impact is protected by the approved barrier, bollard, curb, or location outside the vehicle impact zone.	☐	☐	☐
Approved Plans	Emergency access ESS equipment, disconnects and emergency controls are accessible and are not obstructed by storage or other conditions.	☐	☐	☐
Approved Plans	Capacity / quantity Number of units and total energy capacity do not exceed the approved permit design.	☐	☐	☐

ENERGY STORAGE SYSTEM - CONTROLS AND FINAL CONDITION

		PASS	N/A	BFFR
IFC / IRC / Plans	Detection Required smoke alarm, heat detector, fire alarm, or other detection is installed and operational where required by the approved design.	☐	☐	☐
IFC / Listing	Ventilation Where the ESS can produce hydrogen or other flammable gas, required ventilation is installed and operational.	☐	☐	☐
Approved Plans	Shutdown / disconnect Required ESS disconnect or shutdown means is installed, readily accessible, permanently identified, and matches the approved design.	☐	☐	☐
IFC / NEC	Signage and labels Required ESS, battery-hazard, electrical and emergency-control labels are installed, legible, durable and visible after completion.	☐	☐	☐
Listing / Plans	Emergency information Required emergency/shutdown information and manufacturer instructions are available at the location or as required by the approved plan.	☐	☐	☐
Approved Plans	Installed condition System is complete and undamaged with no leaking, swelling, impact damage, overheating, altered equipment, or field-modified battery units.	☐	☐	☐
Large / Commercial	Project-specific documents Where required, commissioning documents, hazard-mitigation analysis, test information, or other project-specific documentation has been provided.	☐	☐	☐
Firefighter Access	Clear operating area Required working space and emergency access around ESS/disconnects remains clear and usable.	☐	☐	☐

ESS CONTRACTOR NOTES / ITEMS REQUIRING BFFR REVIEW

BFFR FINAL INSPECTION / PERMIT STATUS**1. PERMIT / INSPECTION INFORMATION**

PPRBD Permit #

Inspection Date

Project Address

Inspector

2. INSPECTION SCOPE☐ Solar PV☐ ESS☐ Solar + ESS☐ Reinspection**3. INSPECTION RESULT**☐ PASS - BFFR fire review approved☐ Corrections required☐ Not ready / partial☐ Reinspection required**4. BFFR CORRECTIONS / INSPECTION NOTES****5. PAYMENT VERIFICATION**☐ Required Solar / ESS fee verified paid☐ Payment still outstanding**6. PPRBD / BFFR STATUS**☐ BFFR HOLD REMAINS☐ BFFR FINAL APPROVAL POSTED

Posted / Released By

Date

IMPORTANT

Payment alone does not release the fire review. BFFR final approval is posted only after all applicable fee, documentation, correction, and inspection requirements are complete.