

**Stoneham Fire Department**

**Residential Solar Panel/ Energy Storage System (ESS) Plan Review Application**

Fee: \$100 (Plan Review & Inspection)

Property Address: \_\_\_\_\_ Company: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Contact Phone: \_\_\_\_\_

Contact E-mail: \_\_\_\_\_

Type of work (check all that apply):		
<input type="checkbox"/> Solar Panels	<input type="checkbox"/> New Install (no existing panels)	<input type="checkbox"/> Removal
<input type="checkbox"/> Energy Storage System (ESS)	<input type="checkbox"/> Addition to existing system	<input type="checkbox"/> Modification

PV Array Fire Setback Calculations	
Total Roof Area:	PV Array Area:
% of Roof Covered by PV Array:	

\*\*If PV array area is greater than 33% of the total roof area, a minimum 36 inch setback must be provided on either side of all roof ridges. If PV array area is less than 33% of the total roof area, a minimum 18 inch setback must be provided on either side of all roof ridges.

\*\*A minimum of two 36 inch access pathways from gutter to ridge must be provided on all roofs. One of these pathways must be on the street/driveway side of the house. Additionally, every roof plane with a PV array must be provided with a 36 inch access pathway on the same roof, an adjacent roof, or straddling the same and adjacent roof.

Energy Storage System Information	
ESS Model:	Total Number and KWH of ESS:
ESS Location and Mounting Surface (please be specific):	

\*\*All work must be in compliance with the following codes, as well as any other applicable building/electric codes:

- 2021 Massachusetts Fire Safety Code (527 CMR 1) Chapter 11, Section 12 – Photovoltaic Systems
- 2021 Massachusetts Fire Safety Code (527 CMR 1) Chapter 52 – Energy Storage Systems
- 2020 NFPA 855 - Standard for the Installation of Stationary Energy Storage Systems

Signature of Applicant \_\_\_\_\_ Date \_\_\_\_\_

**Applicants must submit all required documentation listed on Page 2 before plans will be reviewed.**

*SFD Use Only:*

*Fee Paid?*      Yes \_\_\_\_\_      No \_\_\_\_\_      Cash      Check

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## **Photovoltaic Array Required Documentation**

- 3 complete sets of plans showing:
  - Access Pathways
  - Setbacks from ridge
  - Meter/inverter/disconnect locations
  - Trees that obstruct access to the roof
  - Signage
- A Check for \$100 made out to the Town of Stoneham
- A self-addressed and stamped envelope for us to return the approved plans (unless you agree to pick them up in person)
- Photo of the property from the street
- This completed cover sheet

## **Energy Storage System Required Documentation**

- 3 complete sets of plans showing:
  - Location of ESS and all disconnects
  - Diagram of the room or area in which the ESS is to be installed.
  - Details on wall construction for rooms or areas where ESS are installed
  - Vehicle impact protection (if required)
  - Location of interconnected smoke/heat alarms (if required)
  - Signage
- Manufacturer's specifications, ratings, and listings of ESS.
- A Check for \$100 made out to the Town of Stoneham
- A self-addressed and stamped envelope for us to return the approved plans (unless you agree to pick them up in person)
- This completed cover sheet