

# **SOLAR QUESTIONS**

## **HOW DO I START THE PROCESS TO PUT SOLAR PANELS ON MY HOME ?**

### **– No ESS (Energy Storage System)**

SUBMIT **2 SETS** of Plans (**SINGLE-SIDED**), \$50 Fee and Plan Review application.

PLANS MUST HAVE THE EXACT MEASUREMENTS OF ALL ROOF PLANES, SOLAR PANELS AND SETBACKS.

MUST ALSO INCLUDE ROOF PLANE(S) AND SOLAR ARRAY PERCENTAGES .

***\*\*FAILURE OF ANY OF THESE REQUIREMENTS WILL RESULT IN REJECTION OF YOUR PLANS\*\****

## **HOW DO I GET A PERMIT TO ADD AN ENERGY STORAGE SYSTEM (ESS) TO MY HOME - IF I HAVE EXISTING SOLAR PANELS? \***

**LOCATION = OUTSIDE on detached garage or home**

Submit a SITE PLAN(see page 2), completed ESS Application and \$50 fee to receive permit to install.

Please include the FD Project # for the Solar installation -if you don't have one you may need a Plan Review – see below for instructions.

Notify Fire Prevention once it is installed – Before activation.

*\*It is possible to use an ESS without Solar panels – use this procedure for that as well*

## **HOW DO I GET A PERMIT TO ADD AN ENERGY STORAGE SYSTEM (ESS) TO MY HOME - IF I WANT TO ADD (one or both) New Solar Panels, OR New Structure/Enclosure/Room (in basement, yard or garage)?**

**This will require a Plan Review (and Building permit)**

SUBMIT **2 SETS** of Plans (**SINGLE-SIDED**), \$50 Fee and Plan Review application.

PLANS MUST HAVE THE EXACT MEASUREMENTS OF ALL ROOF PLANES, SOLAR PANELS AND SETBACKS.

MUST ALSO INCLUDE ROOF PLANE(S) AND SOLAR ARRAY PERCENTAGES .

***\*\*FAILURE OF ANY OF THESE REQUIREMENTS WILL RESULT IN REJECTION OF YOUR PLANS\*\****

### **ALSO**

Submit a SITE PLAN(see page 2), ESS Application and \$50 fee to receive permit to install ESS.

***\*\*MISSING DOCUMENTS OR INFORMATION WILL RESULT IN REJECTION OF YOUR APPLICATION\*\****

***THESE ARE FIRE DEPARTMENT REQUIREMENTS.***

***ADDITIONAL PLANS, FEES, APPLICATIONS ETC, MAY BE REQUIRED BY BUILDING & WIRES DEPARTMENTS***

## WHAT ARE THE MASSACHUSETTS CODES & REQUIREMENTS FOR SOLAR PANEL/PHOTOVOLTAIC SYSTEMS?

527 CMR 1.00, Comprehensive Fire Safety Code

Board of Fire Prevention (BFPR) - New code adopted - 12/9/2022

2021 NFPA 1 with MA amendments - Corrected Amendments – 02/03/2023

780 CMR, Massachusetts State Building Code

9th edition - 10/20/2017 - 2015 IBC with MA amendments

10th edition – TBD (Jan 2024?) - 2021 IBC with MA amendments

## WHAT ARE THE MASSACHUSETTS CODES & REQUIREMENTS FOR ENERGY STORAGE SYSTEMS (ESS)?

527 CMR 1.00: Chapter 52.9 and 2020 NFPA 855: Chapter 15

## WHAT NEEDS TO BE ON THE SITE PLAN FOR ENERGY STORAGE SYSTEMS (ESS)?

1. Location and layout diagram of the room or area in which the ESS is to be installed.
2. Details on wall construction for rooms or areas where ESS are installed.
3. The quantities and types of ESS units.
4. Manufacturer's specifications, ratings, and listings of ESS.
5. Description of energy storage management systems and their operation.
6. Location and content of required signage.
7. Details on fire suppression, smoke or fire detection, gas detection, thermal management, ventilation, exhaust, and deflagration venting systems, if provided.
8. Support arrangement associated with the installation, including any required seismic support.
9. Description of scope of work for retrofit or repairs of ESS.

***THESE ARE FIRE DEPARTMENT REQUIREMENTS.***

***ADDITIONAL PLANS, FEES, APPLICATIONS ETC, MAY BE REQUIRED BY BUILDING & WIRES DEPARTMENTS***