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Date: (Filing No. S- )

**ENERGY, UTILITIES AND TECHNOLOGY**

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**STATE OF MAINE  
SENATE  
132ND LEGISLATURE  
SECOND REGULAR SESSION**

COMMITTEE AMENDMENT “ ” to S.P. 676, L.D. 1730, “An Act Regarding the Beneficial Electrification Policy of the State”

Amend the bill by striking out the title and substituting the following:

**'An Act to Make Small Plug-in Solar Generation Devices Accessible for All Maine Residents to Address the Energy Affordability Crisis'**

Amend the bill by striking out everything after the enacting clause and inserting the following:

**'Sec. 1. 35-A MRSA §3475** is enacted to read:

**§3475. Plug-in photovoltaic and battery systems**

**1. Definitions.** As used in this section, unless the context otherwise indicates, the following terms have the following meanings.

**A. "Eligible system" means a plug-in photovoltaic system or plug-in battery system with an export capacity of 1,200 watts or less that is:**

**(1) Listed or certified in accordance with UL 3700, the Outline of Investigation for Interactive Plug-in Photovoltaic Equipment and Systems, and any other applicable standards developed by UL LLC, formerly known as Underwriters Laboratories, or the National Electrical Safety Code specific to plug-in photovoltaic systems and plug-in battery systems;**

**(2) Listed or certified in accordance with a standard comparable to UL 3700 from a nationally recognized testing laboratory; or**

**(3) Configured in accordance with the National Electrical Safety Code that is adopted by rule by the Technical Building Codes and Standards Board, established in Title 5, section 12004-G, subsection 5-A.**

**B. "Interconnection agreement" means an agreement between a person and a transmission and distribution utility governing the connection of an interconnecting**

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1 generating facility to the transmission and distribution utility's system and the ongoing  
2 operation of the interconnecting generating facility after it is connected to the system.

3 C. "Plug-in battery system" means an alternating current-coupled energy storage device  
4 that:

5 (1) Connects to a retail electricity customer's electrical system wiring through a  
6 standard electrical outlet;

7 (2) Is capable of charging from or discharging to the electrical system to which it  
8 is connected independently of any photovoltaic system; and

9 (3) Is intended to offset on-site electricity consumption by the retail electricity  
10 customer, perform energy arbitrage or participate in grid-support operations.

11 D. "Plug-in photovoltaic system" means a photovoltaic generation device that:

12 (1) Connects to a retail customer's electrical system wiring through a standard  
13 electrical outlet in a manner that is consistent with the requirements of  
14 interconnected electric power sources established in the National Electrical Code  
15 that is adopted by rule by the Technical Building Codes and Standards Board,  
16 established in Title 5, section 12004-G, subsection 5-A;

17 (2) Is intended primarily to offset part of the retail electricity customer's electricity  
18 consumption; and

19 (3) Uses inverters that are configured to shut off after 0.2 seconds if power is  
20 disrupted.

21 **2. Authorization.** Subject to the requirements of this section, a retail electricity  
22 customer may install and operate one or more eligible systems at the customer's service  
23 address for the purpose of offsetting on-site electricity consumption.

24 **3. Capacity limitations.** A retail electricity customer may install and operate one or  
25 more eligible systems with a combined inverter output of up to 420 watts, measured in  
26 alternating current, per service address. A retail electricity customer may install and operate  
27 plug-in photovoltaic systems and plug-in battery systems with combined inverter output  
28 exceeding 420 watts, but no more than 1,200 watts, per service address, as long as each  
29 system is installed by an electrician licensed in the State and uses a dedicated circuit with  
30 a single outlet and the customer complies with the notification requirement in subsection  
31 5.

32 **4. Net energy billing; prohibition.** An eligible system installed and operated in  
33 accordance with the requirements of this section may not be used for net energy billing  
34 pursuant to sections 3209-A and 3209-B.

35 **5. Notification for output exceeding 420 watts.** A retail electricity customer that  
36 installs an eligible system in accordance with subsection 3 shall provide a notification to  
37 the transmission and distribution utility in whose service territory the eligible system is  
38 installed in a form prescribed by the commission within 30 days of installation. The  
39 notification must include, but is not limited to, the retail customer's service address, the  
40 inverter capacity of the eligible system and a statement that the retail electricity customer  
41 is in compliance with the requirements of this section. A transmission and distribution  
42 utility may not deny the installation of an eligible system that complies with the  
43 requirements of this section.

