



PV Compliance Credit Outline:

1. Provide a PV credit that is large enough to tradeoff both the HPA and HPW for each climate zone.
2. The credit will be climate zone dependent and will vary based on the house size.
3. It will be a flexible credit, meaning that they can use it to trade away any feature, such as other envelope, water heating, or HVAC prescriptive features.
4. A minimum PV system requirements will be as follows:
 - a. For single family homes that are equal or less than 2000 square feet – consistent with EXCEPTION 3 to Section 110.10(b)1A below – a minimum of 2 kW PV system will be required which will include the HPA and HPW tradeoff.
 - b. For single family homes that are larger than 2000 square feet, the minimum 2 kW PV size will get scaled up based on the square feet of the house in each climate zone (See Table 1 below). For example, a 2,700 square feet house in CZ 12 will need a minimum of 2.23 kW system – this 2.23 kW system includes the HPA and HPW tradeoff.
5. If a 2.23 KW (or more) PV system is installed, the entire amount – minus the amount that is used for any tradeoff - will be used to lower the HERS score towards the ZNE goals. For example, if a 4 KW system is installed, but 0.7 KW is traded away for HPA and HPW, then 3.3 KW will be used to lower the HERS score.

EXCEPTION 3 to Section 110.10(b)1A: Single family residences with three stories or more and with a total floor area less than or equal to 2000 square feet and having a solar zone total area no less than 150 square feet



2016 Building Energy Efficiency Standards Lead Commissioner Hearing for 45-Day Language

Table 1 – PV Credit Tradeoff

	2000	2100	2700	4700
	Case1	Case2	Case3	Case4
01	2.00	2.02	2.02	2.17
02	2.00	2.01	2.07	2.20
03	2.00	2.01	2.01	2.04
04	2.00	2.01	2.08	2.21
05	2.00	2.00	2.00	2.02
06	2.00	2.00	2.02	2.04
07	2.00	2.00	2.00	2.00
08	2.00	2.01	2.12	2.20
09	2.00	2.02	2.19	2.42
10	2.00	2.02	2.19	2.40
11	2.00	2.03	2.24	2.64
12	2.00	2.02	2.23	2.48
13	2.00	2.03	2.28	2.76
14	2.00	2.02	2.20	2.54
15	2.00	2.04	2.27	2.89
16	2.00	2.02	2.16	2.45