**Comment/Explanation\*:***Include your justification for your proposed change to the draft standard below.*
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iHPWHs come in a few varieties. There are currently 120V “plug-in” iHPWHs that do not have electric resistance elements. Installations using an iHPWH that do not have elements should not be required to use elements to make up hot water load.

As this footnote covers all HPWHs, integrated and split, clarification should be given that outdoor components should use outdoor temperatures.

**Proposed Change to the Draft Standard\***
*Use “strikethrough” and “underline” formatting to indicate all proposed changes. Changes must be shown with “hard-formatting” strikethrough and underline, not “track changes”.*

*Use a color other than red to indicate proposed changes to the draft.*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

v.2. For air-source HPWH, the simulation shall include the spaces where supply air intake is extracted and exhaust air is discharged, including outdoor installation of components. ~~Where necessary~~ If the Rated Home water heater has electric resistance elements, all air-source HPWH simulations shall include supplementary electric resistance elements to meet the hot water demand of the Dwelling Unit. The COP of an air-source HPWH shall be adjusted for the temperature of its supply air intake and the tank heat transfer shall be adjusted for the temperature of the space.