



Washington State Building Code Council

Improving the built environment by promoting health, safety and welfare

1500 Jefferson Street SE • P.O. Box 41449 • Olympia, Washington 98504
(360) 407-9277 • e-mail sbcc@des.wa.gov • www.sbcc.wa.gov

STATE BUILDING CODE OPINION NO. 20-11

CODE: 2018 Washington State Energy Code, Residential

SECTION: Table R406.2, Fuel Normalization Credits

QUESTION 1: Does fuel normalization credit system type 2 apply for a PTAC HP that meets minimum federal standards?

ANSWER 1: **No. PTAC units would be considered system type 5, Other, since they are not listed in the equipment efficiency tables [C403.3.2(1)C; C403.3.2(2)] cited by system type 2. To be considered system type 2, through the wall heat pumps would need to meet all requirements in the referenced tables C403.3.2(1)C and C403.3.2(2), including HSPF rating and listing per AHRI 210/240.**

QUESTION 2: Does fuel normalization credit system type 2 apply to central ducted residential heat pumps that meet minimum federal standards when used with supplemental gas heating meeting the requirements of Section R403.1.2?

ANSWER 2: **Yes, when installed per Section R403.1.2 with controls that prevent supplemental heater operation above 40°F. At final inspection the auxiliary heat lock out control shall be set to 35°F or less.**

QUESTION 3: What fuel normalization credit is taken if the electric resistance heat does not exceed 2 kW per dwelling?

ANSWER 3: **For single-family, duplex and townhouse dwellings, system type 4, as it references those systems meeting Section R403.7.1 including the exception for total installed electric resistance heating not exceeding 2 kW per dwelling, would apply. For R-2 dwellings, it would be system type 3.**

SUPERSEDES: None

REQUESTED BY: Kitsap County