



# Washington State Building Code Council

*Improving the built environment by promoting health, safety and welfare*

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## STATE BUILDING CODE OPINION NO. 22-02

**CODE:** 2018/2021 Washington State Energy Code  
**SECTION:** Primarily R405, R406, and C406, cited efficiency values

**QUESTION:** Our current residential and commercial energy codes specify certain equipment performance minimums in terms of their tested HSPF. Beginning next year, the HSPF is being replaced with HSPF2 to reflect a new testing method that better represents actual operating conditions. This creates a problem for determining compliance with the energy code since new equipment will only be listed with HSPF2, not an HSPF rating, that is currently in the 2018 code.

Will the SBCC be providing a conversion chart to providing equivalence between HSPF and HSPF2 for the Commercial and Residential energy codes?

**ANSWER:** The following table may be used to convert SEER, EER and HSPF to the new DOE efficiency standards. These approximations may be used for permits applied for before the Department of Energy or AHRI publish more definitive guidance, or until January 31, 2023, whichever is earlier.

SEER	Ducted SEER2	Ductless SEER2
14.0	13.4	14.0
14.5	13.8	14.5
15.0	14.3	15.0
15.5	14.8	15.5
16.0	15.2	16.0
17.0	16.2	17.0
17.5	16.7	17.5
18.0	17.2	18.0
19.0	18.1	19.0
20.0	19.0	20.0

EER	Ducted EER2	Ductless EER2
10.2	9.8	10.2
11.0	10.5	11.0
11.5	11.0	11.5
11.7	11.2	11.7
12.0	11.5	12.0
12.2	11.5	12.2
12.5	12.0	12.5
13.0	12.5	13.0

<b>HSPF</b>	<b>Ducted Split HSPF2</b>	<b>Ducted Package HSPF2</b>	<b>Ductless HSPF2</b>
8.0	6.8	6.7	7.7
8.2	7.0	6.9	7.9
8.8	7.5	7.4	8.4
9.0	7.7	7.6	8.6
9.5	8.1	8.0	9.1
10.0	8.5	8.4	9.5
11.0	9.4	9.2	10.4

**SUPERSEDES:** None

**REQUESTED BY:** City of West Richland