

## STATE BUILDING CODE OPINION 22-Oct02

**CODE:** 2018/2021 Washington State Energy Code-Residential

**SECTION:** Primarily R405, R406 and C406

**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 until the Department of Energy or AHRI publish more definitive guidance.

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

HSPF	Ducted Split HSPF2	Ducted Package HSPF2	Ductless HSPF2
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