

wsec.ai — Code Compliance Report

2021 Washington State Energy Code, Residential (WAC 51-11R)

Submission ID: SAMPLE-0000-0000-0000



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PROJECT INFORMATION

Project Name	Sample Residence — Two Story
Project Address	1200 W Example Ave, Spokane, WA 99201
Contact Name	Sample Project
Contact Email	sample@wsec.ai
Contact Phone	—

ANALYSIS SETUP

Code Version	WSEC 2021	2021 WSEC-R 2nd Edition
Project Type	new	
Occupancy Type	R-3 Single/Two Family/Townhouse	
Climate Zone	CZ 5B	Per IECC climate zone map
Floor Area	2450 sf	
Dwelling Classification	MEDIUM	R406.3 dwelling size table

R406.2 — FUEL NORMALIZATION CREDIT

System Type	Description	Credit (All Other)	Citation
Type 5	Electric resistance + inverter ductless mini-split (largest zone), or ≤ 2 kW installed	2	WAC 51-11R-40610 Table R406.2

R406.3 — ENERGY CREDITS SELECTED

Cat.	Option	Description	Column	Credit	Citation
1	1.4	Maximum envelope package — R-21+16ci walls + fenestration U ≤ 0.18 + floor R-48	All Other	2.5	WAC 51-11R-40621 Table R406.3 Option 1.4
5	5.7	Electric heat pump water heater — UEF ≥ 2.9 split system	All Other	2.5	WAC 51-11R-40621 Table R406.3 Option 5.7
2	2.3	Air leakage ≤ 0.6 ACH50 + HRV min. 80% sensible efficiency	All Other	2	WAC 51-11R-40621 Table R406.3 Option 2.3

COMPLIANCE SUMMARY

Required Credits (R406.3 dwelling tier)	8
Fuel Normalization Credit (R406.2)	2
Sum of Option Credits (R406.3)	7
TOTAL EARNED CREDITS	9
Gap (Earned – Required)	1

✓ **COMPLIANT** — Credits earned meet or exceed required credits

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