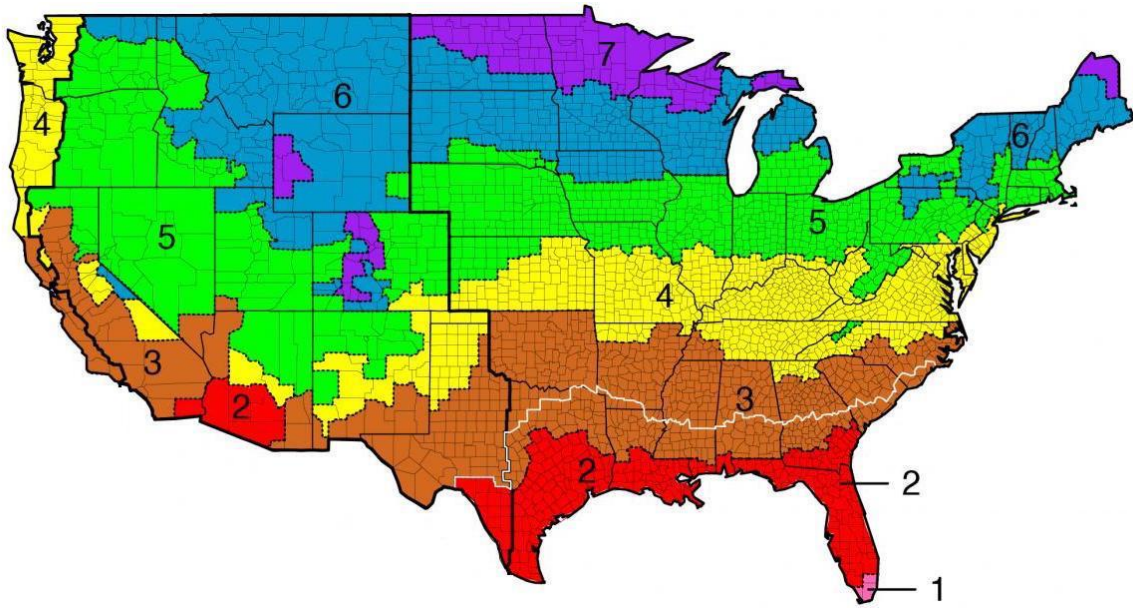


U.S. Department of Energy Recommended* Total R-Values for New Wood-Framed Houses



All of Alaska is in **Zone 7**, except the following boroughs in **Zone 8**: Bethel, Northwest Arctic, Dellingham, Southeast Fairbanks, Fairbanks N. Star, Wade Hampton, Nome, Yukon-Koyukuk, and North Slope.

Hawaii, Guam, Puerto Rico, and Virgin Islands are in **Zone 1**.

Zone	Gas	Heat Pump	Fuel Oil	Electric	Attic	Cathedral Ceiling	Cavity	Insulation Sheathing	Floor
1	•	•	•	•	R30 to F49	R22 to R38	R13 to R15	None	R13
2	•	•	•		R30 to R60	R22 to R38	R13 to R15	None	R13
				•	R30 to R60	R22 to R38	R13 to R15	None	R19 - R25
3	•	•	•		R30 to R60	R22 to R38	R13 to R15	None	R25
				•	R30 to R60	R22 to R38	R13 to R15	R2.5 to R5	R25
4	•	•	•		R38 to R60	R30 to R38	R13 to R15	R2.5 to R6	R25 - R30
				•	R38 to R60	R30 to R38	R13 to R15	R5 to R6	R25 - R30
5	•	•	•		R38 to R60	R30 to R38	R13 to R15	R2.5 to R6	R25 - R30
				•	R38 to R60	R30 to R60	R13 to R21	R5 to R6	R25 - R30
6	•	•	•	•	R49 to R60	R30 to R60	R13 to R21	R5 to R6	R25 - R30
7	•	•	•	•	R49 to R60	R30 to R60	R13 to R21	R5 to R6	R25 - R30
8	•	•	•	•	R49 to R60	R30 to R60	R13 to R21	R5 to R6	R25 - R30

Source: Department of Energy, Energy.gov

*These recommendations represent cost-effective levels of insulation based on the best available information on local fuel and materials costs and weather conditions. Consequently, the levels may differ from current local building codes.