

Energy Cost Savings

Table 11 and Table 12 show the estimated annual per-dwelling unit energy costs of end uses regulated by the IECC, which comprise heating, cooling, water heating, lighting, fans, and mechanical ventilation that result from meeting the requirements of the 2018 and the 2009 IECC.

Table 11. Annual (First Year) Energy Costs for the 2009 IECC

Climate Zone	2009 IECC						
	Heating	Cooling	Water Heating	Lighting	Fans	Vents	Total
4B	\$640.59	\$228.83	\$201.45	\$180.10	\$137.74	\$0.00	\$1,250.97
5B	\$573.00	\$164.17	\$199.28	\$169.76	\$136.44	\$0.00	\$1,106.21
6B	\$847.90	\$125.05	\$234.24	\$182.20	\$144.54	\$0.00	\$1,389.39
7B	\$925.44	\$91.79	\$243.61	\$179.77	\$149.20	\$0.00	\$1,440.61
Average	\$605.12	\$158.55	\$203.32	\$170.90	\$137.51	\$0.00	\$1,137.89

Table 12. Annual (First Year) Energy Costs for the 2018 IECC

Climate Zone	2018 IECC						
	Heating	Cooling	Water Heating	Lighting	Fans	Vents	Total
4B	\$333.32 (-48.0%)	\$203.97 (-10.9%)	\$184.04 (-8.6%)	\$148.86 (-17.3%)	\$99.85 (-27.5%)	\$0.00 (0.0%)	\$870.20 (-30.4%)
5B	\$329.02 (-42.6%)	\$165.12 (0.6%)	\$182.10 (-8.6%)	\$140.32 (-17.3%)	\$110.98 (-18.7%)	\$0.00 (0.0%)	\$816.55 (-26.2%)
6B	\$476.50 (-43.8%)	\$123.45 (-1.3%)	\$213.53 (-8.8%)	\$150.60 (-17.3%)	\$109.64 (-24.1%)	\$0.00 (0.0%)	\$964.07 (-30.6%)
7B	\$533.08 (-42.4%)	\$95.46 (4.0%)	\$221.93 (-8.9%)	\$148.59 (-17.3%)	\$100.91 (-32.4%)	\$0.00 (0.0%)	\$999.06 (-30.7%)
Average	\$347.00	\$159.47	\$185.73	\$141.26	\$110.34	\$0.00	\$833.46

Table 13 shows the first year energy cost savings as both a net dollar savings and as a percentage of the total regulated end use energy costs. Results are weighted by single- and multifamily housing starts, foundation type, and heating system type.