



## Code Technical Comparison

<b>Codes</b>			
<b>Parameters</b>	<b>2015 IECC (ME Base)</b>	<b>2018 IECC</b>	<b>2021 IECC Prescriptive</b>
<b>Air Leakage</b>	≤ 3 ACH50	≤ 3 ACH50	≤ 3.0 ACH50
<b>Ceiling Insulation</b>	R-49	R-49	R-60/U-0.024
<b>Wall Insulation</b>	20=+5 or 13 + 10	30 or 20+5 or 13+10	R-30 or 20+5 or 13+10 or 0+20/U-0.045
<b>Fenestration</b>	U-0.32	0.3	U 0.30
<b>Slab R-Value/Depth</b>	10, 4 ft	10, 4 ft	10, 4 ft
<b>Floor R-Value (CZ6/7)</b>	30/38	30/38	30/38
<b>Duct Leakage (Rough in; Post)</b>	4 cubic ft/min per 100 sq ft	4 cubic ft/min per 100 sq ft	≤4.0cfm/sq.ft. prescriptive/baseline perf. AEO 100% ducts/AH in conditioned space
<b>Mechanical Ventilation</b>	Required	Required	Required
<b>Energy Rating Index (ERI) (CZ6/7)</b>	54/53	61/58	54/53 With 5% 51/50
<b>Lighting Improvements</b>	75% of lamps must be high-efficacy	90% of fixtures must be high-efficacy	>70 lumens/watt, controls
<b>Electrification Requirements</b>	N/A	N/A	N/A
<b>ERV</b>	Not Required	Not Required	Required CZ7
<b>Heating/Cooling</b>			AEO Packages
AFUE Natural Gas/Oil	78%/83%	80%; 83% for oil	>95%
HSPF for ASHP	7.7	8.2	>10/16 SEER
AC SEER	13	13	16
COP Ground Source Heat Pump	N/A	N/A	>3.5
COP Air to Water Heat Pump	N/A	N/A	10HSPF/16 SEER
<b>Water Heating</b>			AEO Packages
EF Fossil Fuel Heater	0.627	0.615	>.82
EF Electric Heater	0.948	0.948	>2.0
Solar Water Heater Load	N/A	N/A	>0.4
<b>Zero Energy Ready</b>	No	No	Yes
<b>DOE Determination</b>	24.9% more EE than 2009 IECC	1.68% more EE than the 2015 IECC	~10-15% more EE than 2015 IECC*
<b>Costs</b>	Pending Determination	Pending Determination	Pending Determination

*\*estimates; no published determination. Based on code provisions and historical data.*