



Energy Code State Amendments

The International Energy Conservation Code (IECC) is developed and published on a three-year cycle. It is the most widely adopted energy codes for residential construction in the United States.

When a state or jurisdiction goes through the code adoption process, there are typically public hearings and an opportunity to amend the code prior to adoption. NAHB has developed a series of adoption kits that include highlights of changes from the previous model code edition, associated cost increases and a list of suggested amendments that offer more cost-effective and affordable energy conservation provisions than available in the model codes.

[Visit www.nahb.org/advocacy/top-priorities/building-codes/ to access these resources.](http://www.nahb.org/advocacy/top-priorities/building-codes/)

This document includes the latest state energy code adoptions along with the significant amendments and effective dates. For each state, links to the applicable regulation and state agency are included for further information. The following summary also acts as a guide to the color coding used in the table.

State Code Adoption Summary	
<i>Code</i>	<i>States</i>
2021 IECC	0
2018 IECC	17
2015 IECC	15
2012 IECC	3
2009 IECC	8
No Statewide Code	7
State Developed Code	2
Total	52

Updated June 2021

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Alabama</u>	2015 IECC	X	10/1/2016		2,3	Attic hatch R-value reduction, Equipment trade-offs, Removed programmable thermostat requirement. CZ 2 & 3 not to exceed 5 ACH50.	State Agency
<u>Alaska</u>	2018 IECC	X	1/1/2019		7,8	Alaska Housing Finance Corporation has a minimum energy efficiency requirement for mortgages. It is a frequently used program, hence most new homes use the AHFC requirements which are based off of the 2018 IECC. Continuous exterior insulation is not required.	State Agency
<u>Arizona</u>	No State Code				2,3,4,5	As a home rule state, mandatory building energy codes are adopted and enforced on a local level. Four major jurisdictions have adopted the 2018 IECC.	SWEEP
<u>Arkansas</u>	2009 IECC	X	1/1/2015		3,4	Duct testing optional, Increased CZ 4 window U-factor, Ceiling R-value decreased, New SHGC requirement, Removed programmable thermostat requirement, Removed high efficacy lighting requirement, REScheck can be used to show compliance based on the UA Trade Off Approach to the 2009 IECC.	State Agency
<u>California</u>	2019 Title 24		1/1/2020		2,3,4,5,6	California develops and adopts its own set of codes, including the California Energy Code.	State Agency
<u>Colorado</u>	No State Code		7/1/2008		4,5,6,7	Colorado does not have a state adopted code. However, state law requires local jurisdictions in Colorado to adopt and enforce one of the three most recent versions of the IECC upon updating any other building code.	State Adoptions

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Connecticut</u>	2015 IECC	X	10/1/2018		5	The ACH for low-rise attached dwellings greater than 850 sq ft is set at 5 ACH50. Dwellings less than 850 sq ft are 6.5 ACH50. Added an exception to duct leakage testing where an existing HVAC system is extended to an addition with less than 40 linear ft of new duct in unconditioned space shall not be required to test. Changed the rough-in and post construction test to 8 cfm/100ft ² . Amended ERI score to 61.	State Agency
<u>Delaware</u>	2018 IECC	X	12/11/2020		4	No revisions to the energy code were adopted.	State Agency
<u>District of Columbia</u>	2015 IECC	X	5/29/2020		4	Building envelope requirements were made more stringent. Thermal bridging must be taken into consideration when calculating the overall R-value for multi-family buildings.	District Agency
<u>Florida</u>	2018 IECC	X	12/31/2020		1,2	HRVs and ERVs must have a minimum efficacy of 1.2 cfm/W. Electric resistance space heating is prohibited from being the primary heat source in CZ 2. Lighting equipment must meet minimum lumens per watt.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Georgia</u>	2015 IECC	X	1/1/2020		2,3,4	REScheck is allowed for compliance. Fenestration requirements and framed wall R-Values were correlated across all Zones. R-Values were relaxed under HVAC attic platforms and for attic access hatches. Sampling is allowed for R-2. Building tightness of less than 5 ACH50 (7 ACH50 for multifamily) is required for all Climate Zones. The maximum ERI was increased.	State Agency
<u>Hawaii</u>	2018 IECC	X	12/15/2020		1	Sampling is allowed for single- and multi-family units. SHGC is dependent on overhang. Mass walls 6 in. or greater are exempted from R-Value requirements. Jalousie windows are exempted from requirements. Solar water heating is required for single-family. Trade-offs (Points Option) are allowed.	State Agency
<u>Idaho</u>	2018 IECC	X	1/1/2021		5,6	CZ 5 fenestration and ceiling requirements were relaxed. Wood frame wall R-Value was relaxed for Zone 6. Sampling is allowed for single-family. Visual inspection for building tightness is allowed. Pipe insulation requirements were relaxed. High efficacy lighting was reduced to 75%. Special log home wall provisions were introduced.	State Agency
<u>Illinois</u>	2018 IECC	X	7/1/2019		4,5	REScheck is allowed for compliance. No jurisdictions may adopt above-code requirements. Building tightness was relaxed to 4 ACH50. Sampling is allowed for low-rise multifamily. Basement insulation can extend to within 6 in. of the basement floor. Basement wall insulation was reduced. Restrictions on rooms with fuel-burning appliances were removed.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Indiana</u>	2018 IECC		12/26/2019		4,5	Energy conservation construction documents for 1- and 2-family homes only need to be submitted if required by the local jurisdiction. Fenestration, ceiling and wall values were relaxed. The building official may not require inspection by a third party. Verification through visual inspection is allowed.	State Agency
<u>Iowa</u>	2012 IECC	X	6/1/2014		5,6	Wall R-values reduced from R-20+5 to R-20 in climate zone 6 Relaxed maximum building leakage rate to 4 ACH50 Increased the allowable duct leakage from 4 to 6 cfm/100ft2 Panned duct returns allowed but must meet duct tightness requirements.	State Agency
<u>Kansas</u>	No State Code				4,5		State Agency
<u>Kentucky</u>	2009 IECC	X	6/1/2018		4	Modified basement insulation to stop at frost depth.	State Agency
<u>Louisiana</u>	2009 IECC	X	2/1/2018		2,3	Amended attic hatches, Minor amendments to building testing procedures, Minor amendments to duct testing procedures.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Maine</u>	2009 IECC		12/1/2010		6,7		State Agency
<u>Maryland</u>	2018 IECC		3/1/2019		4, 5		State Agency
<u>Massachusetts</u>	2015 IECC	X	1/1/2018		5	The fenestration U-factor was relaxed. REScheck is allowed. Continuous ventilation is required and its performance must be verified. Fan sound ratings are limited to 1 sone.	State Agency
<u>Michigan</u>	2015 IECC	X	9/20/2017		5,6,7	Ceiling and basement wall insulation was reduced for CZ 5. Wood frame wall values were reduced for CZ 6 & 7.	State Agency
<u>Minnesota</u>	2012 IECC	X	2/14/2015		6,7	Wall R-values were relaxed to remove continuous insulation requirement. Special basement insulation installation requirements were added. Ducts require a vapor retarder in some locations. Balanced mechanical ventilation is required..	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Mississippi</u>	No State Code				2,3		State Agency
<u>Missouri</u>	No State Code				4,5	There is no state code in Missouri. However, jurisdictions may adopt energy codes individually.	State Agency
<u>Montana</u>	2012 IECC	X	11/7/2014		6	Wall R-values were relaxed to remove continuous insulation requirement. Building tightness was relaxed to 4 ACH50. Building cavities may be used for return ducts. Most hot water piping insulation requirements were removed.	State Agency
<u>Nebraska</u>	2018 IECC	X	7/1/2020		5	Local jurisdictions may waive specific requirements where they are not justified.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Nevada</u>	2018 IECC	X	6/26/2018		3,5	The state adopted the 2021 IECC unamended. However, northern and southern jurisdictions may amend the code. Amendments in S. NV relaxed the air leakage to 4 ACH50 (4.5 ACH50 when sprinklered). The Total UA Alternative may be used to meet the ERI Compliance Alternative. The ERI reference design ventilation rate was modified.	State Agency
<u>New Hampshire</u>	2015 IECC	X	9/15/2019		5,6	The information required on construction documents was relaxed. Required air leakage was relaxed to 7 ACH50. Duct leakage requirements were relaxed. Mechanical ventilation requirements were deleted. Continuous insulation requirement was removed.	State Agency
<u>New Jersey</u>	2018 IECC	X	9/3/2019		4,5	Air leakage can be tested or visually inspected. The chapter on existing buildings was deleted.	State Agency
<u>New Mexico</u>	2018 IECC	X	9/25/2020		3,4,5	The air leakage rate was set at 4 ACH50 for all Zones. Envelope and duct tightness can also be visually inspected. Six counties are required to meet building and duct tightness requirements. HERS ratings were added for compliance.	State Agency
<u>New York</u>	2018 IECC	X	5/12/2020		4,5,6	Lighting loads were amended for residential buildings more than 3 stories.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>North Carolina</u>	2015 IECC	X	1/1/2019		3,4,5	Relaxed the ACH50 to 5 or 0.30 CFM50/sq ft of surface area. Exempted duct systems smaller than 750 sq ft from being tested. Removed mechanical ventilation fan efficiencies. Relaxed SHGC to 0.30. Amended ceiling R-value to 38 or 30 ci.	State Agency
<u>North Dakota</u>	2018 IECC	X	1/1/2020		6,7	The requirement for continuous insulation was removed, and basement insulation requirements were relaxed. Multifamily and townhouses may use commercial requirements for air leakage. Air leakage was relaxed to 5 ACH50, and a visual inspection option was added. Building cavities may be used as return plenums.	State Agency
<u>Ohio</u>	2018 IECC	X	7/1/2019		4,5	Alternate compliance paths from OHBA were added. Insulation values were relaxed for basement and crawl space walls in CZ 5. Air leakage requirements were relaxed to 5 ACH50. Building cavities may be used as return plenums.	State Agency
<u>Oklahoma</u>	2015 IECC	X	11/1/2016		3,4	The energy section was aligned with the 2009 IRC. Fenestration and insulation values were relaxed. Air leakage requirements were relaxed to 7 ACH50, or a visual inspection is allowed as an alternative. Duct leakage requirements were relaxed, and a visual inspection is allowed. Duct testing is not required if entirely inside conditioned space.	State Agency
<u>Oregon</u>	2017 ORSC		10/1/2017		4,5	Oregon Residential Specialty Code--State developed code, Alternate prescriptive path for log homes, Prescriptive measures based on 2015 IECC.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Pennsylvania</u>	2015 IECC	X	12/31/2015		5,6	Added footnote J to table R402.1.2 that allows R-18 insulation provided the wall framing factor is 20%. Relaxed air leakage to 5 ACH50 for all CZ.	State Agency
<u>Puerto Rico</u>	2018 IECC	X	11/15/2018		1	Window U-factors were modified and based on overhang,	State Agency
<u>Rhode Island</u>	2015 IECC	X	8/1/2019		5	Envelope requirements for windows, ceiling, basement and crawlspace walls were reduced. The required building tightness becomes more restrictive yearly with a requirement of 5 ACH50 as of 2022. Duct tightness was relaxed to 8 cfm/100 sq ft. Building cavities may be used as return plenums.	State Agency
<u>South Carolina</u>	2009 IECC		1/1/2013		3		State Agency
<u>South Dakota</u>	No State Code				5,6		State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Tennessee</u>	2009 IECC	x	2/2/2017		3,4	Deleted sections 402.4.2.1 and 403.2.2. Alleviating duct sealing requirements and testing air tightness level requirements.	State Agency
<u>Texas</u>	2015 IECC	X	9/1/2016		2,3,4	CZ 2 & 3, A 65 or lower score from September 1, 2016, to August 31, 2019, A 63 or lower score from September 1, 2019, to August 31, 2022, A 59 or lower score after September 1, 2022 CZ 4, A 69 or lower score from September 1, 2016, to August 31, 2019, A 67 or lower score from September 1, 2019, to August 31, 2022, A 63 or lower score after September 1, 2022	State Agency
<u>Utah</u>	2015 IECC	X	7/1/2016		5,6	REScheck with 2006 IECC incorporated as optional compliance path, Building tightness relaxed to 5 ACH50, Duct tightness relaxed to 10 cfm/100 sq ft, Equipment tradeoffs incorporated into performance compliance, Alternate log home prescriptive path.	State Agency
<u>Vermont</u>	2015 IECC	X	9/1/2020		6	Envelope trade-offs are allowed to avoid continuous insulation. Basement wall cavity and slab edge requirements are more restrictive. Party walls must have R-10 insulation.	State Agency
<u>Virginia</u>	2015 IECC	X	9/4/2018		4	Amended CZ 4 ceiling insulation to R-38 & wood frame walls to R-15 or R-13+1. Amended air leakage to 5 ACH50, changed the CZ ERI to 62.	State Agency

State / District <i>Click for Regulation</i>	Model Code	Amended	Effective Date	Upcoming Adoption Date	Climate Zone(s)	Amendment Summary	Additional Code Links
<u>Washington</u>	2018 IECC	X	2/1/2021		4,5	Wall cavity stringency was increased slightly. Building tightness was relaxed to 5 ACH50.	State Agency
<u>West Virginia</u>	2009 IECC		11/30/2013		4,5		State Agency
<u>Wisconsin</u>	2009 IECC	X	1/1/2016		6,7	Air tightness tested to 7 ACH50 or visual inspection.	State Agency
<u>Wyoming</u>	No State Code				5,6,7	Both residential and commercial building codes are voluntary. As a state, Wyoming's codes are based on the 1989 Model Energy Code (MEC). Some jurisdictions have chosen more stringent codes than what is suggested.	SWEEP