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State Adoptions of the International Energy Conservation Code

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The International Energy Conservation Code (IECC) is developed and published on a three-year cycle. It is the most widely adopted energy code 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.

Updated December 2022

Contact codes@nahb.org for questions and visit the [Code Adoption Kit page](#) for more.

Summary

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 table 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	5
2018 IECC	16
2015 IECC	13
2012 IECC	2
2009 IECC	5
No Statewide Code	7
State Developed Code	4
Total	52

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 has been reduced, equipment trade-offs have been added, and programmable thermostat requirement was removed. The maximum building leakage was relaxed to 5 ACH50 in CZ 2 & 3.	State Agency
<u>Alaska</u>	2018 IECC (Required by Alaska Housing Finance Corp.)	X	1/1/2019		7,8	Ceiling insulation was reduced in CZ 6 & 7 with energy-heel trusses. Continuous exterior insulation is not required. Insulation levels were increased for floors and slabs. Building leakage was relaxed to 4 ACH50.	State Agency
<u>Arizona</u>	No State Code				2,3,4,5	Four major jurisdictions have adopted the 2018 IECC. Chandler and Cave's Creek have adopted 2021 IECC with amendments.	SWEEP
<u>Arkansas</u>	2009 IECC	X	1/1/2015		3,4	Duct testing is optional. Relaxed CZ 4 window U-factor to .50. Ceiling R-value decreased to 30. New SHGC requirement added. Removed programmable thermostat requirement. Removed high efficacy lighting requirement. Arkansas is currently working on an update to their energy code.	State Agency
<u>California</u>	State Code		8/30/2022		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. Several jurisdictions have adopted 2021 IECC. Fort Collins has amended to be more stringent than the IECC 2021. Louisville and Superior adopted solar ready appendix.	State Adoptions
<u>Connecticut</u>	2021 IECC	X	10/1/2021		5	Adopted 2021 IECC as of Oct 1. 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/100ft2. Amended ERI score to 61.	State Agency
<u>Delaware</u>	2018 IECC		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	The fenestration U-factor increased in stringency to 0.30. Wall insulation increased to 13+10 or equivalent. There is no option for cavity-only wall insulation. Basement wall r-values increased to 13+10 or equivalent.	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
<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

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Hawaii	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
Idaho	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
Illinois	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
Indiana	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
Iowa	2012 IECC	X	6/1/2014		5,6	Wall R-values reduced from R-20+5 to R-20 in CZ 6. Relaxed maximum building leakage rate to 4 ACH50. Increased the allowable duct leakage from 4 to 6 cfm/100 sq ft. Panned duct returns allowed but must meet duct tightness requirements.	State Agency
Kansas	No State Code				4,5		State Agency
Kentucky	2009 IECC	X	6/1/2018		4	Modified basement insulation to stop at frost depth.	State Agency
Louisiana	2021 IECC	X	6/20/2022		2,3	Louisiana has adopted 2021 IECC with an amendment process still ongoing and expected to end June 2023. Amended attic hatches, Minor amendments to building testing procedures, Minor amendments to duct testing procedures.	State Agency
Maine	2015 IECC		12/1/2010		6,7	Maine has adopted the 2021 IECC as a stretch code.	State Agency
Maryland	2018 IECC		3/1/2019		4, 5		State Agency
Massachusetts	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

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<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
<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>	2021 IECC	X	6/10/2022		6	IECC 2021 adopted June 10, 2022. Certified jurisdictions were allowed up to 90 days from their notification date to adopt the code. 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
<u>Nevada</u>	2021 IECC		7/28/2021		3,5	The state adopted the 2021 IECC unamended with optional EV ready appendices. Local jurisdictions are currently on a 2018 or earlier edition and may adopt the code with amendments. 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>	2021 IECC	X	9/16/2021		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 CZs. 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

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North Carolina	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
North Dakota	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
Ohio	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
Oklahoma	2015 IECC	X	11/1/2016	2018 IECC in review	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
Oregon	State Code		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
Pennsylvania	2018 IECC (Required by Alaska Housing Finance Corp.)	X	2/15/2022		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
Puerto Rico	2018 IECC	X	11/15/2018		1	Window U-factors were modified and based on overhang,	State Agency
Rhode Island	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
South Carolina	2009 IECC		1/1/2013		3		State Agency
South Dakota	No State Code				5,6		State Agency
Tennessee	2018 IECC	x	4/25/2020		3,4	Deleted sections 402.4.2.1 and 403.2.2. Alleviating duct sealing requirements and testing air tightness level requirements.	State Agency

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<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. Several jurisdictions in Texas have gone through the adoption and amendment process for the 2021 IECC. The North Central Texas Council of Governments has created a set of amendment recommendations that several jurisdictions in Texas have elected to follow.	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>	State Code	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. Vermont is currently in a new code adoption process with meetings being held mid-December, 2022.	State Agency
<u>Washington</u>	State Code	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