

The National Fire Protection Association (NFPA) has developed a series of standards for fire safety, including the National Fire Protection Association (NFPA) 70: National Electrical Code (NEC).

The maps and table on the following pages detail the status of residential provisions of the NEC and focus on AFCI and GFCI requirements in each state. The table includes hyperlinks to state building code agencies as well as relevant documents.

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AFCI and GFCI Requirements

Arc-fault circuit interrupters (AFCIs) have been on the market since about the year 2000. They differ from ground-fault circuit interrupters (GFCIs), which were introduced into the NEC in the 1960s. Where GFCIs are designed to protect people from shock if parts of an electric

AFCI Requirements in Effect by State

Covered Circuits in One- and Two-Family Dwellings				
Family Rooms, Dining Rooms, Living Rooms, Parlors, Libraries, Dens, Sunrooms, Recreation Rooms, Closets, Hallways and Similar Rooms or Areas AND Kitchen and Laundry Areas		Bedrooms AND Family Rooms, Dining Rooms, Living Rooms, Parlors, Libraries, Dens, Sunrooms, Recreation Rooms, Closets, Hallways and Similar Rooms or Areas	BedroomsOnly	No Statewide Adoption of AFCI Provisions
Total: 33		Total: 6	Total: 2	Total: 9
California	Oklahoma	Alabama	Idaho	Alaska
Colorado	Pennsylvania	Arkansas	Tennessee	Arizona
Connecticut	Rhode Island	Illinois		Indiana
Delaware	South Dakota	North Carolina		Kansas
Florida	Texas	Oregon		Michigan
Georgia	Vermont	South Carolina		Mississippi
Hawaii	Virginia†			Missouri
Iowa	Washington			Nevada
Kentucky	West Virginia			Utah
Louisiana	Wisconsin*			
Maine	Wyoming			
Maryland				
Massachusetts				
Minnesota				

Amendments to AFCI and GFCI Provisions by State

No Statewide Adoption of Residential Electrical Code	Amendments to Both <u>AFCI</u> And <u>GFCI</u> Provisions	Amendments to <u>AFCI</u> ProvisionsOnly	Amendments to <u>GFCI</u> ProvisionsOnly	No Amendments to AFCI or GFCI Provisions
Total: 6	Total: 12	Total: 8	Total: 8	Total: 17
Alaska	Idaho	Arkansas	Connecticut	Alabama
Arizona	Indiana	Michigan	District of Columbia	California
Kansas	Massachusetts	Montana	Georgia	Colorado
Mississippi	North Carolina	New Hampshire	Iowa	Delaware

State (City)	Residential Electrical Code Adopted and Effective Date	Technical Amendments To AFCI & GFCI	Documents	Notes
Click on the state or city for the agency website.	IRC International Residential Code—Electrical Section NEC National Electrical Code		Download documents to use bookmark references.	
Alabama	2008 NEC Effective 10/1/2016		Adoption	The 2015 IRC was adopted, and the 2008 NEC is deemed equivalent to the electrical requirements of the IRC. The 2020 NEC only applies to state projects. The Division of Construction Management , which adopted the 2020 NEC, does not have jurisdiction over residential property.
Alaska	No Statewide Adoption		Adoption	"Public structures" and any place of employment are required to be completed under the 2020 NEC (effective 4/16/2022). "Public structures" are buildings such as hotels, resident housing with more than one rental unit, restaurants, taverns, lodging houses, children's homes, auditoriums, town halls, or any structure designed or used for public assembly, whether publicly or privately financed.
City of Anchorage	2017 NEC Effective 10/27/2020	AFCI/GFCI	Amendments	AFCI requirements were amended to remove outlet branch-circuit type AFCI devices from the list of accepted means of protection. Central heating equipment was added to the exception for AFCI protection. Additional required receptacles were added for exterior parking and crawlspaces. One- and two-family homes and townhouses are required to have one EV charging rough-in per dwelling unit.
Arizona	No Statewide Adoption			
City of Phoenix	2017 NEC Effective 7/1/2019	GFCI	Amendments	Adds "other indoor damp and wet locations" to the areas 7MC q7 (h)-5u7 (h)-0 (t)0y3nn

State (City)	Residential Electrical Code Adopted and Effective Date	Technical Amendments To AFCI & GFCI	Documents	Notes
Illinois	2008 NEC Effective 7/1/2011		Adoption City and County Adoptions	Building codes, including the electrical code, may be adopted at the local level. All new construction must comply with the 2008 or later edition of the NEC for those jurisdictions which have not adopted a code locally.
City of Chicago	2017 NEC Effective 3/1/2018	AFCI	Amendments	AFCI protection requirements were expanded to include all circuits in dwelling units.
Indiana	2018 IRC Effective 12/26/2019	AFCI/GFCI	Amendments	AFCI protection requirements have been completely removed from the IRC, as have the provisions for tamper-resistant receptacles. GFCI protection was modified for spas, hot tubs, and hydromassage tubs.
Iowa	2020 NEC Effective 5/1/2021	GFCI	Amendments	GFCI requirements were removed for 240-volt receptacles.
Kansas	No Statewide Adoption			2008 NEC was adopted by the state for state-owned buildings only.
City of Wichita & Sedgwick County	2017 NEC Effective 1/1/2021	GFCI	Amendments	GFCI protection for 240-volt receptacles are not required until 1/1/2024. GFCI protection is not required for outdoor outlets under 210.8(F) until 1/1/2024. Storage areas and future habitable spaces in unfinished basements require a light and a wall switch.
Kentucky	2017 NEC Effective 8/1/2019		Adoption	
Louisiana	2020 NEC Effective 1/1/2023	GFCI	Amendments	The GFCI provisions for outdoor outlets were amended. An exception was included for HVAC equipment.
Maine	2020 NEC Effective 7/2/2021	GFCI	Amendments	The GFCI provisions for outdoor outlets were amended, the requirements for surge protection were removed, and the zone where receptacles are prohibited near bathtubs and shower spaces was reduced to the pre-2020 dimensions.
Maryland	2017 NEC Effective 3/25/2019		Adoption	For the applicable electrical requirements, refer to the local electrical code and the National Electrical Code as adopted and enforced by the State Fire Marshal, authorized fire officials, or building officials.

State (City)	Residential Electrical Code Adopted and Effective Date	Technical Amendments To
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State (City)	Residential Electrical Code Adopted and Effective Date	Technical Amendments To AFCI & GFCI	Documents	Notes
Oregon	2020 NEC Effective 4/1/2021	AFCI/GFCI	Amendments Adopted Code	GFCI protection is not required for 240-volt receptacles, finished portions of basements (if not otherwise required), single receptacles for appliances that are not easily moved or fastened in place.

State (City)	Residential Electrical Code Adopted and Effective Date	Technical Amendments To AFCI & GFCI	Documents	Notes
South Carolina	<u>1- & 2-Family</u> 2021 IRC Effective 1/1/2023	AFCI/GFCI	Adoption	The electrical section of the 2021 IRC with amendments applies to one- and two-family dwellings, and the 2020 NEC with amendments applies to multifamily.
	<u>Multifamily</u> 2020 NEC Effective 1/1/2023		Amendments	The GFCI & AFCI provisions were amended to only include 120-volt receptacles and branch circuits. GFCI protection was removed for finished pC 3.7-2.9 (n)-0.6 (d)-6.1 (

State (City)	Residential Electrical Code Adopted and Effective Date	Technical Amendments To AFCI & GFCI	Documents	Notes
Utah	<u>1- & 2-Family</u> 2015 IRC Effective 7/1/2019 <u>Multifamily</u> 2020 NEC Effective 7/1/2021	AFCI	Adoption IRC Amendments NEC Amendments	The electrical section of the 2015 IRC with amendments applies to one- and two-family dwellings, and the 2020 NEC with amendments applies to multifamily. AFCI protection requirements have been deleted for new construction. AFCI protection is also not required for extensions of existing circuits or an added outlet which does not significantly increase the existing electrical load—not including changes which are part of a remodel or addition. In the NEC, GFCI protection for receptacles does not include 240-volt receptacles, finished portions of basements, and outdoor outlets if not required by other provisions. The zone where receptacles are prohibited near bathtubs and shower spaces was reduced to the pre-2020 dimensions. Codes are adopted by the Utah legislature, with the Building Code Commission making recommendations.
Vermont	2020 NEC Effective 4/15/2022	AFCI/GFCI	Amendments	GFCI protection is amended to only apply to readily accessible receptacles. In laundry areas, it only applies to those receptacles installed within 6 feet of a washing machine or sink. AFCI protection is not required where a branch circuit is extended solely for the purpose to hardwire s(r)1.3 938 357.48 13.44 re f* BT 0 g -0.001 Tc -R8

