



A Beginner's Guide to the ENERGY STAR Multifamily New Construction Program

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November 30, 2023

Today's Agenda

Overview of the MFNC program

Building Eligibility

Roles and Responsibilities

Certification Paths: ERI, ASHRAE, Prescriptive

Mandatory Req's

Policy Record & Program Revision Process

Certification Process

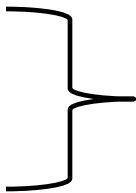
§ 45L Tax Credit

MFNC website & other resources

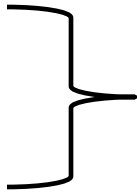
Q&A: energystarhomes@energystar.gov



ENERGY STAR Residential New Construction Eligibility

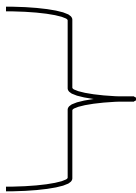


Single-Family
New Homes (SFNH)

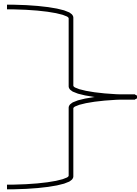


MFNC

ENERGY STAR Residential New Construction Eligibility



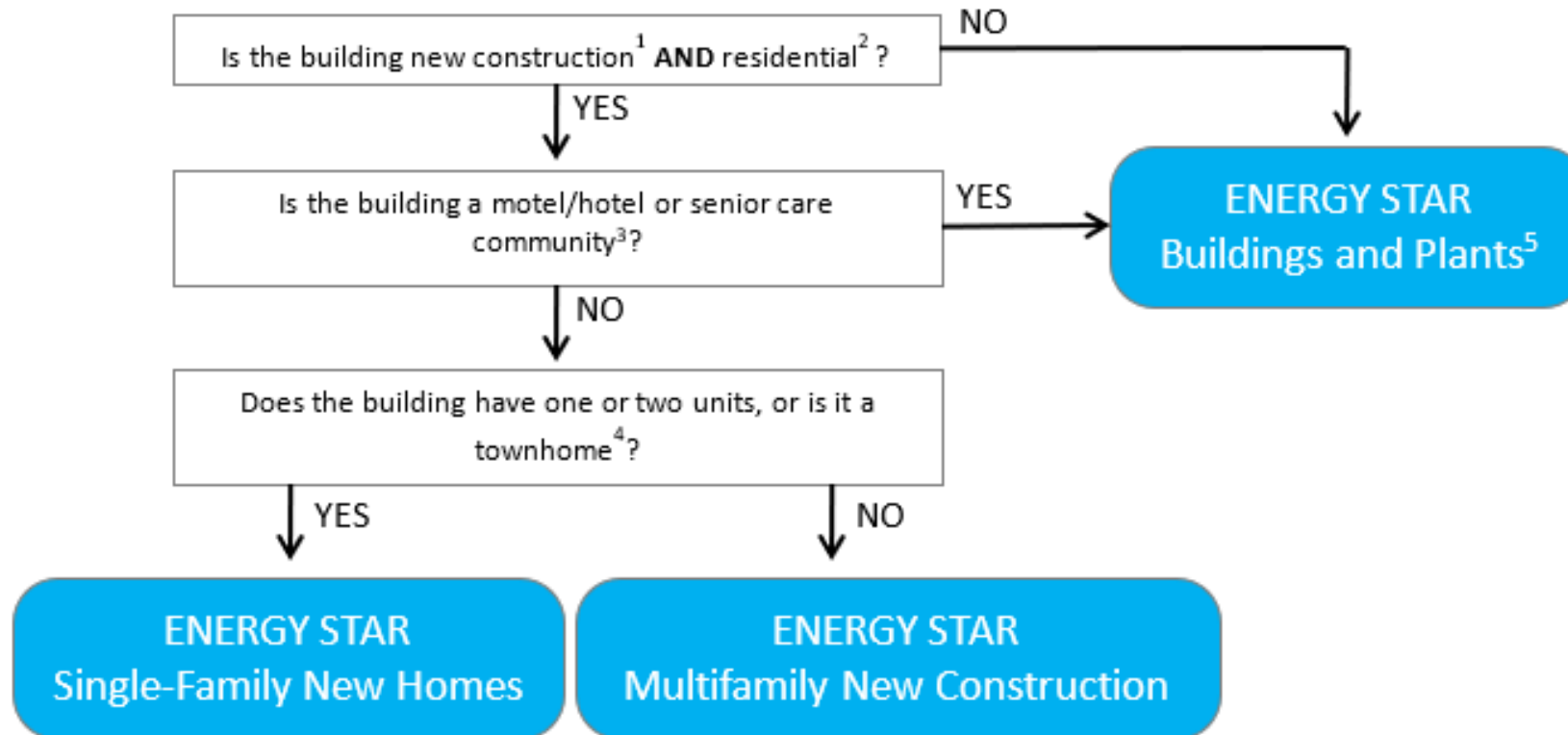
Single-Family
New Homes (SFNH)



MFNC

ENERGY STAR Residential New Construction Eligibility

EPA ENERGY STAR Multifamily New Construction Program Decision Tree





MFNC Program Overview

What does ENERGY STAR require?

Multifamily New Construction

Efficiency & Testing	<ul style="list-style-type: none">• Above-code performance of dwelling units and common spaces• Third-party inspection and functional tests
Comfort	<ul style="list-style-type: none">• Complete thermal enclosure system• Individually-sealed dwelling units• Properly sized & installed HVAC system
Air Quality	<ul style="list-style-type: none">• Dwelling-unit fresh air system• Kitchen and bath fans that work well and exhaust outside• Combustion safety
Durability	<ul style="list-style-type: none">• Complete water management system



MFNC Partners & Participants

ES MFNC Partners & Participants



Builder/
Developer



Rater



Functional
Testing Agent



HVAC
Designer



ASHRAE Modeler
(ASHRAE Path)



Architect



Multifamily Oversight Orgs
Home Certification Org (ERI Path)
Multifamily Review Org (ASHRAE / Prescriptive Paths)

ENERGY STAR MFNC Partners

Builders & Developers

Role & Expectations

- Work with a [Rater](#) in your area
- Either the Builder OR Developer must be a partner
- Responsible for Water Management System Requirements

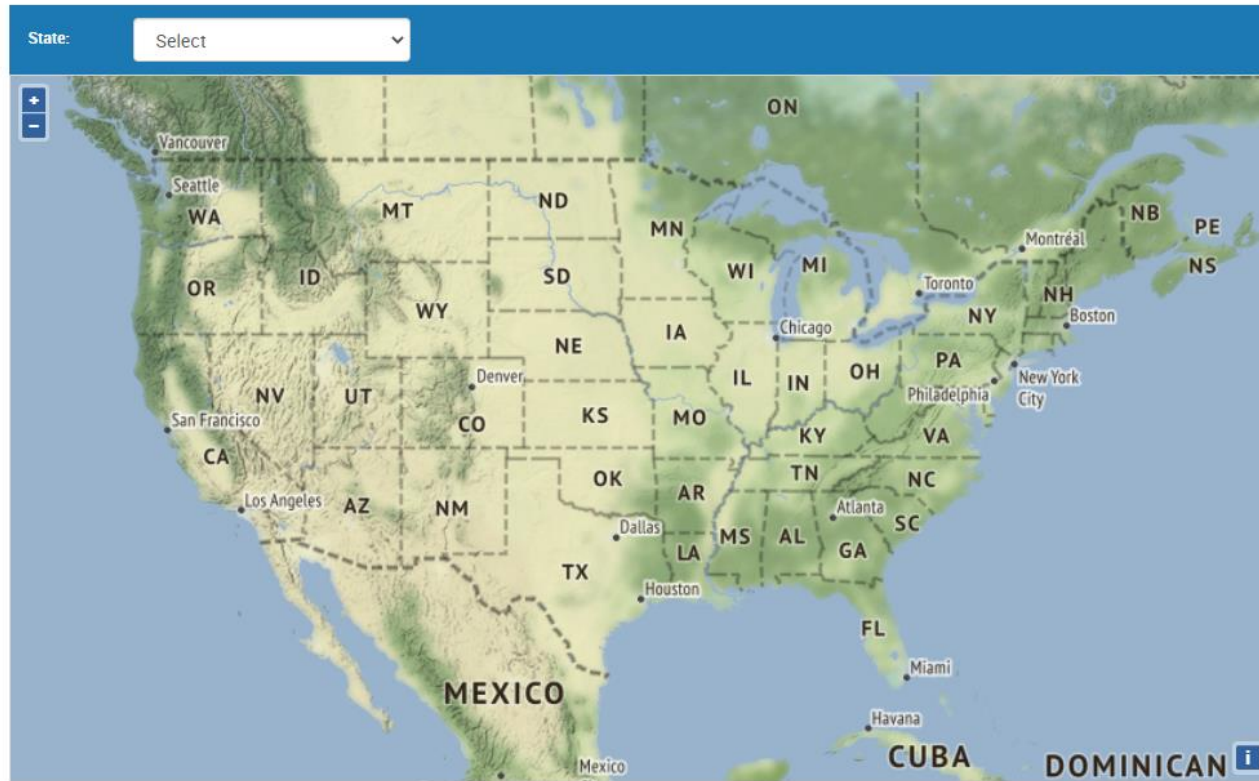


ENERGY STAR MFNC Partners

Locate Builders, Developers, Energy Rating Companies, and Incentives in Your Area

Use the interactive map below to search for home builders, developers, and energy rating companies in your area who are constructing and verifying ENERGY STAR certified new homes and apartments, as well as available incentives. Or, use our [Multifamily Building Locator](#) to search for ENERGY STAR certified apartments and condos.

Learn more about the features and benefits of ENERGY STAR certified homes and apartments.



Program Summary for Minnesota:

- 10,660 ENERGY STAR certified homes and apartments built to date
- 494 ENERGY STAR certified homes and apartments built 2021
- 600 ENERGY STAR certified homes and apartments built in 2020
- 78 ENERGY STAR Residential New Construction Partners

See the [Market Share](#) for ENERGY STAR certified homes by State

Program Impact Equivalents for ENERGY STAR certified homes and apartments built in Minnesota for 2020:

- Reducing CO₂ emissions by 15,574 metric tons
- Growing 257,972 tree seedlings for 10 years
- Avoiding the consumption of 36,244 barrels of oil
- Removing 3,369 passenger vehicles from the road

[← BACK TO NATIONAL SEARCH](#)

Expand All Collapse All

Builders/Developers Serving Minnesota			
Energy Rating Companies Serving Minnesota			
Energy Rating Company	Service Areas	Partner Since	Number of Homes and Apartments Certified
[Redacted]	Dubuque ; Providence-Warwick ; Syracuse ; Chicago-Naperville-Elgin ; Rochester ; Other NC areas ; Athens-Clarke County ; Buffalo-Cheektowaga-Niagara Falls ; Other NH areas ; New York-Newark-Jersey City	2010	<ul style="list-style-type: none"> • Last 12 months in location selected: 394 • All time in location selected: 1136 • All time in all service areas: 24026
[Redacted]	Minneapolis-St. Paul-Bloomington ; Other MN areas ; Bay City ; Mankato-North Mankato ; Rochester	2005	<ul style="list-style-type: none"> • Last 12 months in location selected: 55 • All time in location selected: 774 • All time in all service areas: 775

ENERGY STAR MFNC Partners

Builders & Developers

Role & Expectations

- Work with a [Rater](#) in your area
- Either the Builder OR Developer must be a partner
- Responsible for Water Management System Requirements

Requirements

- Complete [Online Partnership Agreement](#)
- View online orientation [video](#)



ENERGY STAR MFNC Partners

Raters

Roles & Expectations

Verify that all requirements have been met, starting at Schematic/Design

- Rater Design Review and Field Checklists

Collect Additional Documentation

- HVAC Design Report
- HVAC Functional Testing Checklist*
- ASHRAE Path: ASHRAE Path Calculator, Model Input/Output Files
- ASHRAE/Prescriptive Paths: MF Workbook, Photo Documentation, Construction Docs



**Not required to be collected if completed by a credentialed contractor*

ENERGY STAR MFNC Partners

Raters

Requirements

- a) Be a Certified Rater, Approved Inspector, or an equivalent designation as determined by a Home Certification Organization (HCO) or Multifamily Review Organization (MRO)
- b) Have attended and successfully completed an EPA-recognized training class
 - SFNH & MFNC Rater Training
- c) Be an ENERGY STAR Partner



ENERGY STAR MFNC Participants

Functional Testing Agents

Roles & Expectations

Complete section(s) of the MFNC HVAC Functional Testing Checklists

Requirements

Maintain one of the [required credentials](#)

- H-QUITO credentialed contractor, functional testing credentials (including PE), or OEM representative

Watch online orientation & be listed [in the directory](#) (unless a credentialed contractor)



ENERGY STAR MFNC Participants

HVAC Designer


Roles & Expectations

Complete the MFNC HVAC Design Report and provide to the Rater

Requirements

None



		National HVAC Design Report ¹	
		ENERGY STAR Multifamily New Construction, Version 1 / 1.1 / 1.2 (Rev. 01)	
HVAC Designer Responsibilities:			
<ul style="list-style-type: none">• Complete one National HVAC Design Report for each building / project, which includes system design for all unique unit plans and common spaces. ¹• Obtain efficiency features (e.g., window performance, insulation levels, and infiltration rate) from the builder, architect, or Rater. ²• Provide the completed National HVAC Design Report to the Rater and the person / company completing the National HVAC Functional Testing Checklist. ²			
1. Design Overview			
1.1 Designer name: _____		Designer company: _____	Date: _____
1.2 Select which party you are providing these design services to: <input type="checkbox"/> Builder / Developer <input type="checkbox"/> FT Agent <input type="checkbox"/> MEP / Credentialed HVAC contractor			
1.3 Name of company you are providing these design services to (if different than Item 1.1): _____			
1.4 Project address: _____		City: _____	State: _____ Zip code: _____
2a. Dwelling Unit & Common Space Mechanical Ventilation Design ^{3,4}			Designer Verified
Airflow:			
2.1 Dwelling unit ventilation airflow design rate & run-time meet the requirements of Section 4 of ASHRAE 62.2. ⁵ <input type="checkbox"/> 2010 <input type="checkbox"/> 2013			<input type="checkbox"/>
2.2 Common space outdoor airflow design rate meet the requirements of Section 6 of ASHRAE 62.1 ⁶ <input type="checkbox"/> 2010 <input type="checkbox"/> 2013, without exceeding 2013 rates by more than 50%.			<input type="checkbox"/>
2.3 Access points to measure airflow rate are provided and accessible by the Rater. ²			<input type="checkbox"/>
List unique unit plan for which 62.2 ventilation rates were calculated in the spaces to the right: ⁷			
2.4 # of bedrooms:			
2.5 Square footage:			
2.6 Ventilation airflow rate required by ASHRAE 62.2:			

ENERGY STAR MFNC Participants

ASHRAE modelers

Role & Expectations

Create ASHRAE 90.1 whole building energy models

- Use Appendix G & the Simulation Guidelines

Complete the ASHRAE Path Calculator, at Design and As-Built

Requirements

Watch [online orientation](#) & be listed [in the directory](#)



ENERGY STAR MFNC Participants

Multifamily Oversight Organizations

Home Certification Organization (HCO)

ERI Path

Provide oversight similar to SFNH

Multifamily Review Organization (MRO)

ASHRAE and Prescriptive Paths

Provide oversight similar to MFHR





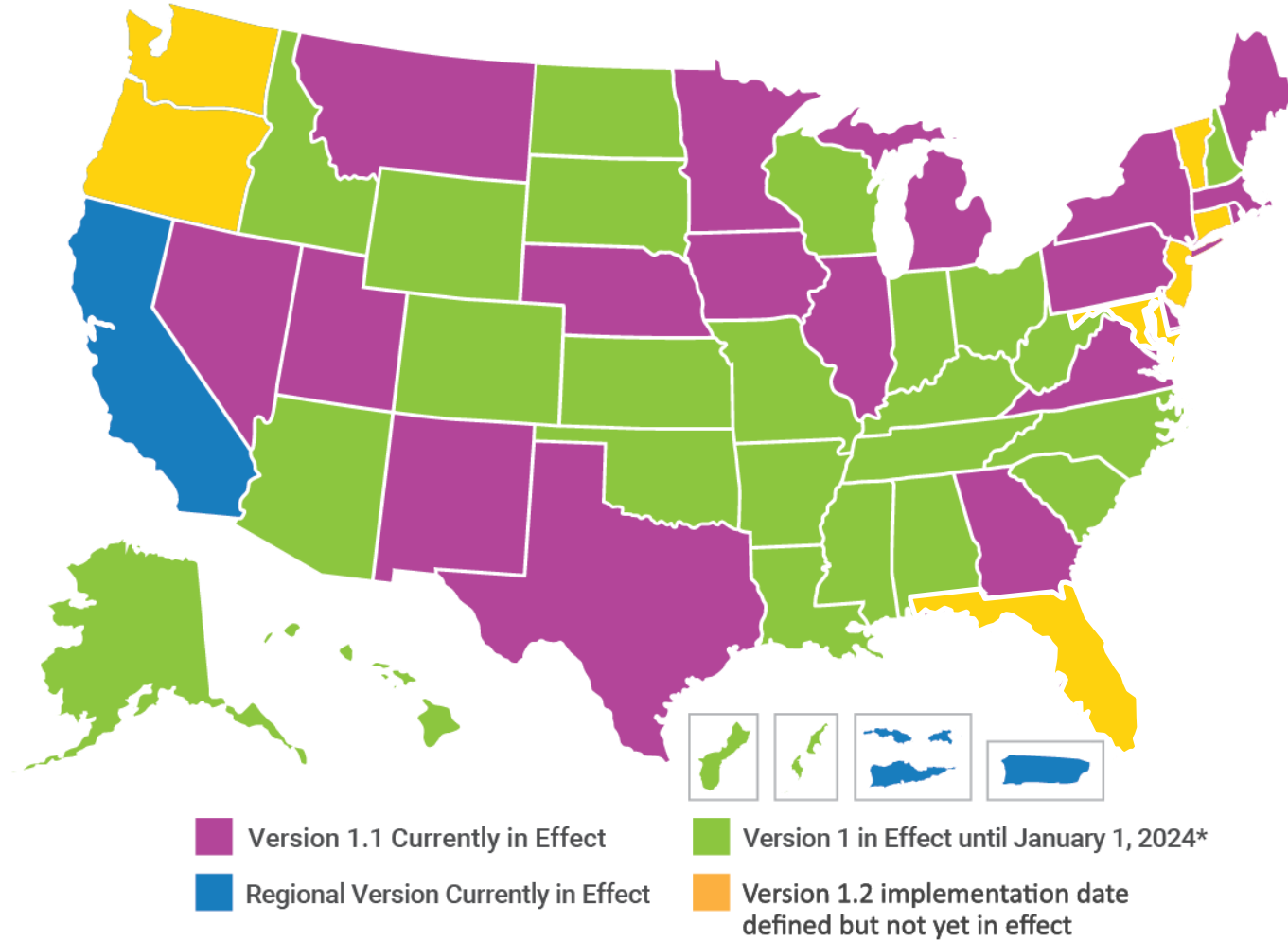
Multifamily New Construction Program Requirements

What does ENERGY STAR require?

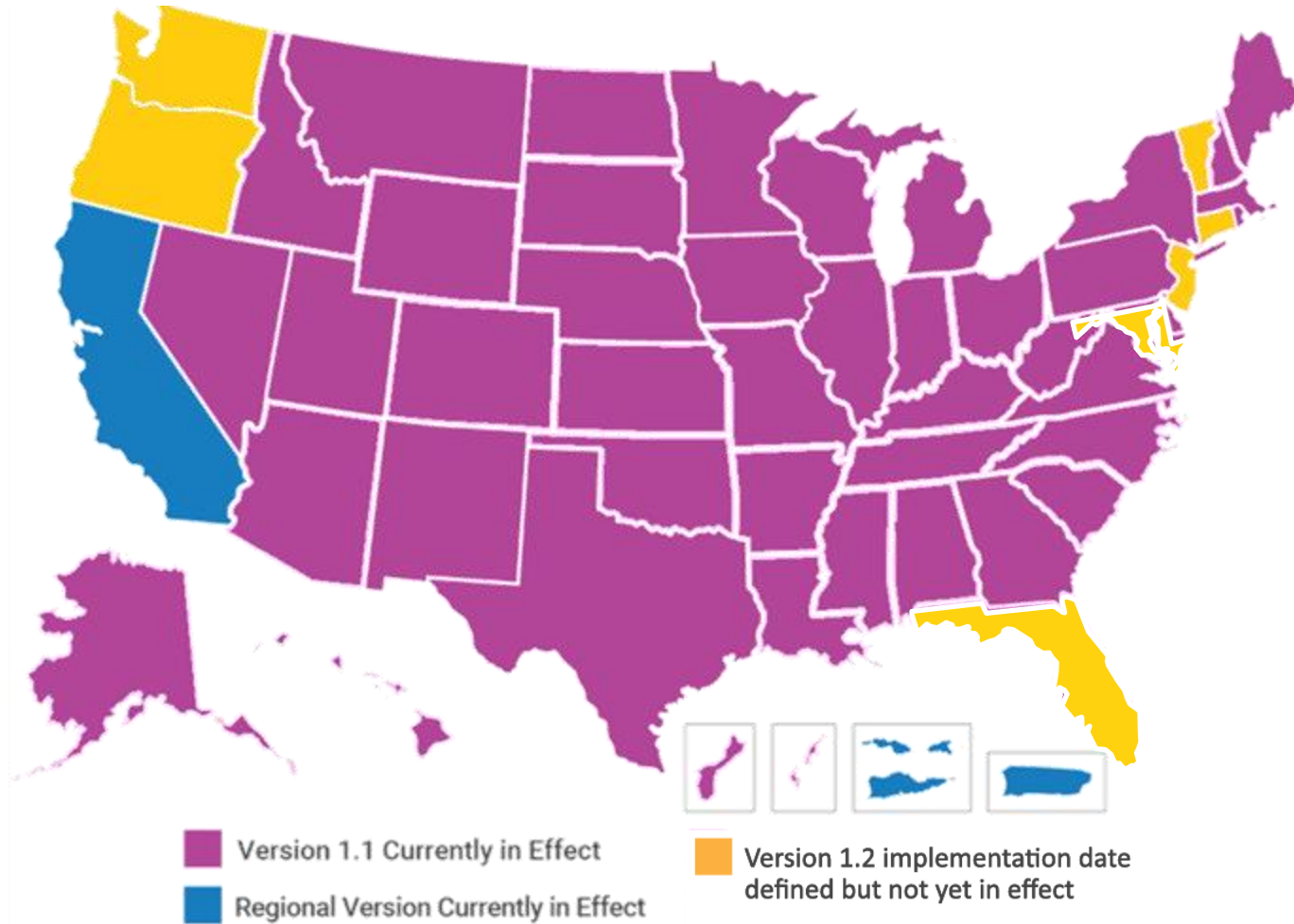
Multifamily New Construction

Efficiency & Testing	<ul style="list-style-type: none">• Above-code performance of dwelling units and common spaces• Third-party inspection and functional tests
Comfort	<ul style="list-style-type: none">• Complete thermal enclosure system• Individually-sealed dwelling units• Properly sized & installed HVAC system
Air Quality	<ul style="list-style-type: none">• Dwelling-unit fresh air system• Kitchen and bath fans that work well and exhaust outside• Combustion safety
Durability	<ul style="list-style-type: none">• Complete water management system

Above code performance – program versions



Above code performance – program versions (January)



Above code performance



Energy Rating Index (ERI) Path



- Available for any height bldg
 - Units meet an ENERGY STAR ERI Target
 - Common Spaces meet prescriptive measures
- ENERGY STAR Multifamily Reference Design
 - Townhomes use *SFNH* Ref Design
 - National v1 will be sunset in 2024
 - National v1.1 is 10% better than 2012-18 IECC
 - National v1.2 is 10% better than 2021 IECC
 - 2021 IECC thermal backstop

ASHRAE Path



Whole-Building Modeled Energy Savings

- 15% cost savings above ASHRAE 90.1 App G
 - ASHRAE Path Calculator, Simulation Guidelines
 - Year based on the Version and state commercial code
 - Alt. options:
 - Source savings for 90.1-2013+
 - WUFI metric for PHIUS cert. projects
- 10% above Title 24 in California
 - California Compliance Report

Prescriptive Path



- No energy modeling
- Available for all projects (except CA)
- ENERGY STAR Multifamily Reference Design specifications is required (in-unit and common areas)
- Additional req'ts beyond ENERGY STAR Multifamily Reference Design (e.g. in-unit lighting power density, building level window-to-wall ratio)

Third-party inspection and functional tests



Rater Inspections: pre-drywall and final

Rater Tests:

- Dwelling-unit air tightness (blower door)
- Dwelling-unit duct blaster test
- Dwelling-units ventilation airflow test
- Central exhaust duct tightness test
- Common space ventilation airflow tests

HVAC Functional Testing

Comfort

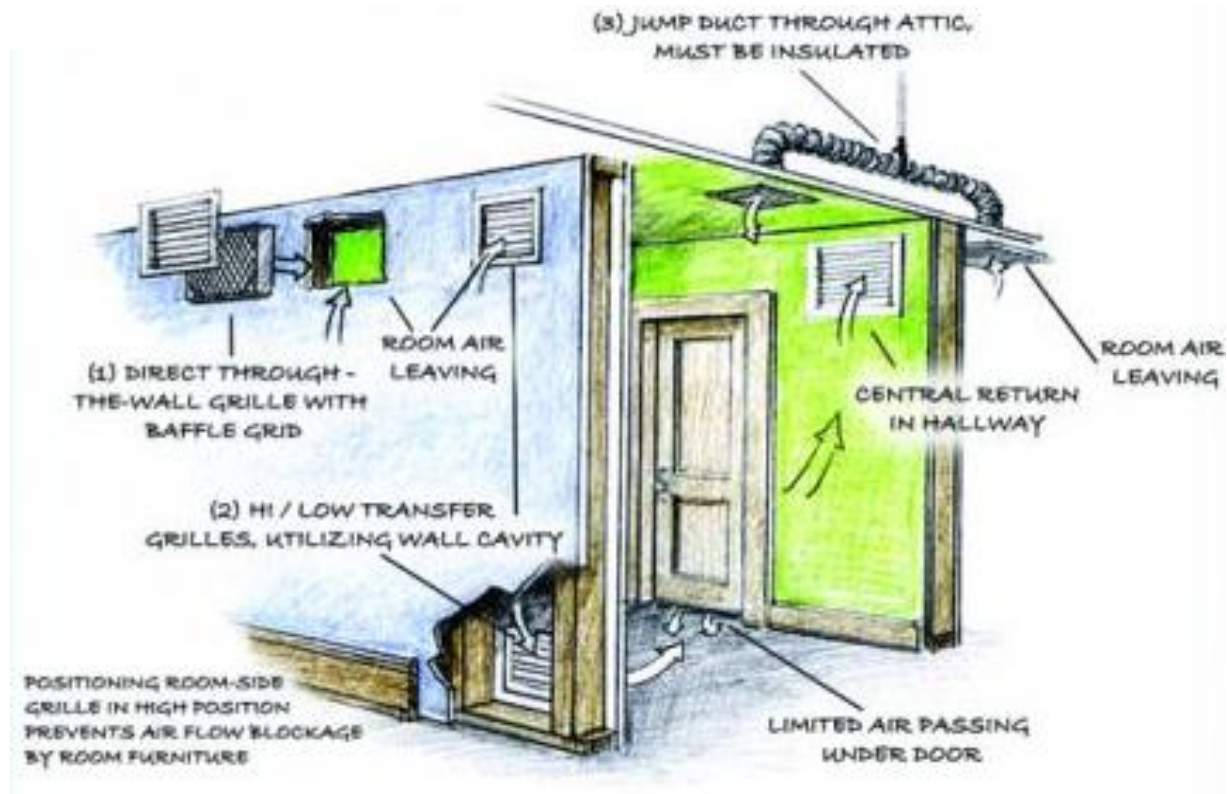
#1 - Complete Thermal Enclosure System

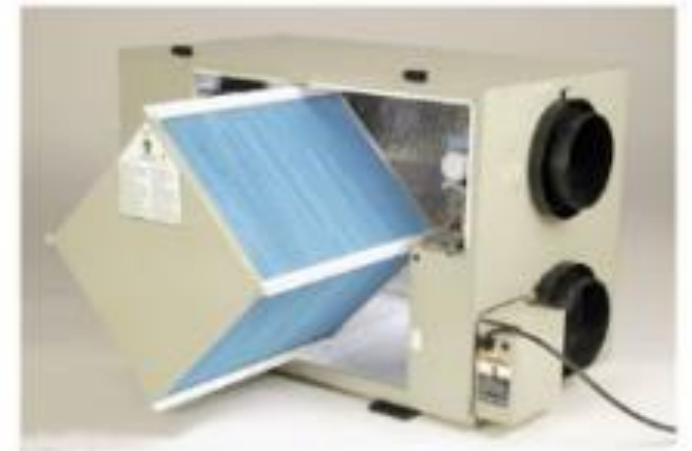


Comfort

#2 – Individually-sealed dwelling units

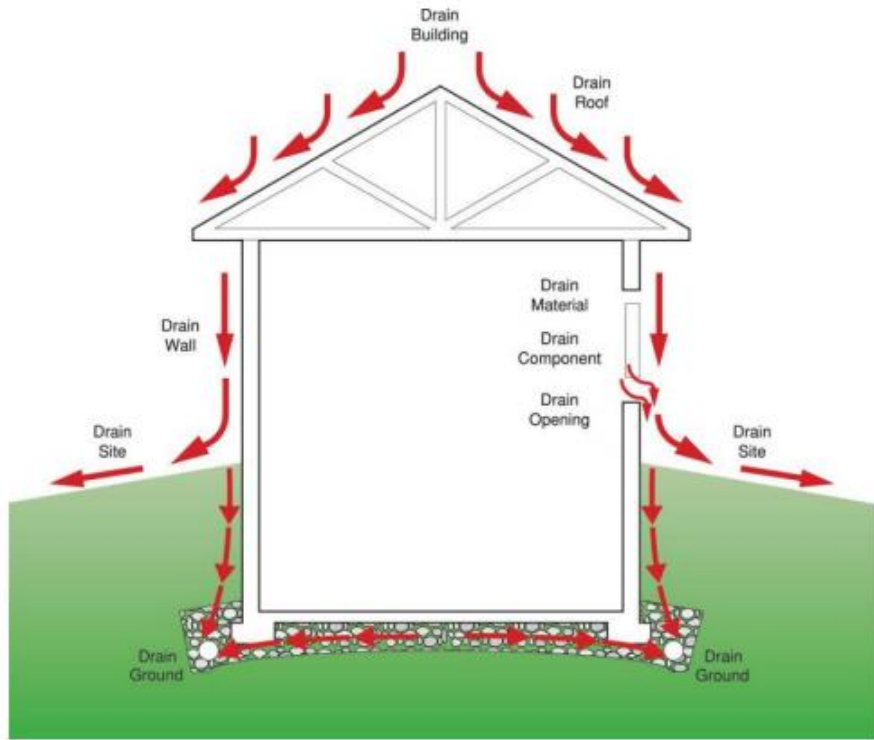












What does ENERGY STAR require?

Multifamily New Construction

Efficiency & Testing	<ul style="list-style-type: none">• Above-code performance of dwelling units and common spaces• Third-party inspection and functional tests
Comfort	<ul style="list-style-type: none">• Complete thermal enclosure system• Individually-sealed dwelling units• Properly sized & installed HVAC system
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Durability	<ul style="list-style-type: none">• Complete water management system

ENERGY STAR MFNC Program Documents

Mandatory Features

- Rater Design Review Checklist
- Rater Field Checklist
- HVAC Design Report
- HVAC Functional Testing Checklist
- Water Management System Requirements

ENERGY STAR MFNC Program Documents

Mandatory Features

- Rater Design Review Checklist
- Rater Field Checklist
- HVAC Design Report
 - HVAC Grading & SFNH alternative
- HVAC Functional Testing Checklist
- Water Management System Requirements

ENERGY STAR MFNC Program Documents

Mandatory Features

- Rater Design Review Checklist
- Rater Field Checklist
- HVAC Design Report
- HVAC Functional Testing Checklist
 - Sampling Protocols
- Water Management System Requirements

ENERGY STAR MFNC Supporting Documents and Tools

Mandatory Features

Features Mandatory

- Multifamily Workbook - Excel
 - What's in it?*
 - Rater Design Review and Field Checklists
 - Testing results
 - Compliance checks
 - When is it used?*
 - Required: ASHRAE & Prescriptive
 - Optional: ERI
- Photo Documentation
 - ASHRAE & Prescriptive submit to MROs
 - ERI submit to Provider

Verifiers and Oversight Organizations

Verification and Oversight

- Different Oversight Organizations for different pathways
 - ERI Path:
 - Similar to SFNH
 - [Home Certification Organization \(HCO\)](#)
 - Submitted at Final
 - ASHRAE and Prescriptive Paths:
 - Similar to MFHR
 - [Multifamily Review Organization \(MRO\)](#)
 - Submitted at Design (optional) & Final



Multifamily New Construction Policy Record & Revisions

Policy Record

[Home](#) » [Partner Resources](#) » [Residential New Construction](#) » [Program Requirements](#) » [Policy Record](#)

Residential New Construction

Program Requirements ▼

Single Family Homes ▶

Multifamily Buildings ▶

Manufactured Homes

ENERGY STAR NextGen

[Policy Record](#)

Stakeholder Feedback

Archives

EPA Policies and Temporary Allowances for the ENERGY STAR and Indoor airPLUS New Construction Programs related to COVID-19

Policy Record

It is expected that EPA will periodically revise the program requirements during their implementation in response to partner questions and evolving standards (e.g., ENERGY STAR labeled product specifications, NAECA standards, model energy codes). The purpose of this revision process is to be responsive to partner questions, to disseminate policy changes in a consistent manner, and to adapt the program as needed for success. Revisions will be made on an as needed basis; however, it is expected that the guidelines will not be updated more frequently than every three months and that after a year of implementation, the updates will slow to every six months.

Single Family

Multifamily

Manufactured

NextGen

Policy Record

- [Current Policy Record](#) (PDF, 1.92 MB) - This document contains policy issues that were received and have been resolved since the release of Version 1, some of which may result in modifications that will be incorporated into the next revision of the program documents. This document was posted on May 1, 2023.
- [Archive of Policy Record](#) (PDF, 1.3 MB) – This document contains all resolved policy issues that have previously appeared in the Current Policy Record. This document was posted on March 17, 2022.

[Click here](#) to view the policy record for the Multifamily High Rise Program. This document was last updated on October 5, 2022.



Policy Record (Example)

ENERGY STAR Multifamily New Construction Policy Record

ID	Log Date	Program Document	Classification	Topic
00212	08/17/2021	Rater Field Checklist, Version 1/1.1 (Rev,02)	Clarification	Item 3.7.1 – Mineral wool considered rigid insulation
				Issue: Partners have asked if mineral wool insulation could be used as continuous rigid insulation to meet reduced thermal bridging requirements.
				Resolution: Mineral wool can be considered 'rigid' because it has good structural integrity, even in its standard semi-rigid form. Therefore, it is permitted to be used as continuous rigid insulation to meet reduced thermal bridging requirements, <u>provided that</u> it is continuous across all structural members without thermal bridges other than fasteners and service openings.

MFNC Versions & Revisions

State / Territory	Buildings Permitted On or After This Date ¹ Must Meet the Adjacent Version	Multifamily New Construction Program Version	Revision
AL, AK, AZ, AR, CO, GU, HI, IN, ID, KS, KY, LA, MS, MO, NH, NMI, NC, ND, OH, OK, SC, SD, TN, WV, WI, WY	7/1/2020	National v1	Rev. 01
	7/1/2021	National v1	Rev. 02
	1/1/2024	National v1.1	Rev. 03
DC, DE, FL, IA, IL, MA, MD, MI, MN, MT, NV, NY, RI, TX	7/1/2020	National v1.1	Rev. 01
	7/1/2021	National v1.1	Rev. 02
	1/1/2024	National v1.1	Rev. 03

- **Version 1.1** required for projects permitted on or after January 1, 2024
- **Rev. 03** required for projects permitted on or after January 1, 2024

Unit Labeling (required)



Building Labeling (optional)

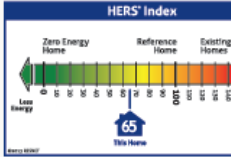


Unit Certificate (required)

Building Certificate (optional)



Builder/Developer Name: Gamble Builders
 Permit Date/Number: 4 April 2011
 Home/Unit Address: 1310 L Street
 Washington DC 20005
 Rating Company: G Force Testing
 Rater Identification Number: 2345678
 Rating Date: 6 July 2011
 ENERGY STAR Program/Version Number: 3.0



This value is not intended to be used for code compliance.

Standard Features of ENERGY STAR Certified New Homes and Apartments

Your ENERGY STAR certified new home or apartment has been designed, constructed, and independently verified to meet rigorous requirements for energy efficiency set by the U.S. Environmental Protection Agency (EPA), including:

Thermal Enclosure System

A complete thermal enclosure system that includes comprehensive air sealing, quality-installed insulation, and high-performing windows to deliver improved comfort and lower utility bills.

Air Infiltration Test: 4 ACH50

Primary Insulation Levels:
 Ceiling: R-30 Floor: R-10
 Wall: R-19 Slab: R-6

Primary Window Efficiency:
 U-Value: 0.60 SHGC: 0.27

Heating, Cooling, and Ventilation System

A high-efficiency heating, cooling system, and ventilation system that is designed and installed for optimal performance.

Total Duct Leakage: 4 CFM25 per 100 sq. ft.
 Duct Leakage to Outdoors: 4 CFM25 per 100 sq. ft.

Primary Heating (System Type • Fuel Type • Efficiency):
 Fuel-fired Hydronic Distribution • Natural Gas • 90 AFUE

Primary Cooling (System Type • Fuel Type • Efficiency):
 Ground-source Heat Pump • Electric • 14.5 SEER

Water Management System

A comprehensive water management system to protect roofs, walls, and foundations.

Flashing, a drainage plane, and site grading to move water from the roof to the ground and then away from the home or building.

Water-resistant materials on below-grade walls and underneath slabs to reduce the potential for water entering the home or building.

Management of moisture levels in building materials during construction.

Energy Efficient Lighting and Appliances

Energy efficient products to help reduce utility bills, while providing high-quality performance.

ENERGY STAR Certified Lighting: 75%

ENERGY STAR Certified Appliances and Fans:
 Refrigerators: 1 Dishwashers: 1
 Ceiling Fans: 4 Exhaust Fans: 3

Primary Water Heater (System Type • Fuel Type • Efficiency):
 Electric Resistance Heater • Electric • 0.94 EF



Builder/Developer Name: Gamble Builders
 Permit Date/Number: 4 April 2011
 Home/Unit Address: 1310 L Street
 Washington DC 20005

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 Refrigerators: 1 Dishwashers: 1
 Ceiling Fans: 4 Exhaust Fans: 3

Primary Water Heater (System Type • Fuel Type • Efficiency):
 Electric Resistance Heater • Electric • 0.94 EF

About this certificate
 This certificate provides a summary of the major energy efficiency and other construction features that contribute to this home or apartment meeting the ENERGY STAR, as described through independent inspections and verifications performed by a third-party professional. The Energy Rating Index or HERS Index for this home, if reported, is calculated in accordance with ANSI RESNET/ICC Standard 301, with any exceptions approved by EPA. Because the version of Standard 301 used to calculate this

index may not align with the version referenced by code, this value is not intended to be used to demonstrate compliance with code. Note that when a home or apartment contains multiple performance levels for a particular feature (e.g., window efficiency or insulation levels), the predominant value is shown. Also, homes and apartments may be certified to earn the ENERGY STAR using a sampling protocol, whereby one home or apartment is randomly selected from a set for representative inspections and testing. In

such cases, the features found in each home or apartment within the set are intended to meet or exceed the values presented on this certificate. The actual values for your home or apartment may differ, but offer equal or better performance. This certificate was printed using RESNET/ICC v15.1.1. © 1995-2018 NRES/ICC, Boulder, Colorado



The U.S. Environmental Protection Agency awards the ENERGY STAR to

L Street Building

1310 L Street, Washington, DC, 20005

Certification Date:

January 1, 2023



ENERGY STAR certified multifamily buildings are designed, constructed, and independently verified to meet rigorous requirements for energy efficiency set by the U.S. Environmental Protection Agency.

Built by: Gamble Builders
 Verified by: G Force Testing

Units: 100 Version: MFNC v1.1
 Oversight by: Generic HCO





Putting it all together....

Mandatory Minimum Requirements



Model unit-by-unit energy savings based on the ERI target (or savings above Title 24 in California) and follow a prescriptive package of energy efficient measures developed by EPA in common spaces.

ERI

Model energy savings of the building's design compared to ASHRAE 90.1 (or Title 24 in California).

ASHRAE

Use a prescriptive package of energy efficient measures developed by EPA.

(Not available in California.)

Prescriptive

MFNC Certification Process

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

DESIGN

Complete **Design Verification Documents**.

BUILD

Complete **Construction Verification Documents**.

CERTIFY

Rater submits all documentation to an oversight organization.

MARKET

ENERGY STAR certification label and ENERGY STAR certificate.
ENERGY STAR plaques available for purchase.



Mandatory Minimum Requirements



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ERI

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

✓ Builders

✓ Raters

✓ Functional Testing Agents

✓ Developers

ERI

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

- ✓ Builders
- ✓ Raters
- ✓ Functional Testing Agents
- ✓ Developers

DESIGN

Complete **Design Verification Documents.**

- ✓ Rater Design Review Checklist
- ✓ HVAC Design Report

Optional: Multifamily Workbook; Reference: Rater Field Checklist, Water Mgmt System Requirements

ERI

Conduct energy modeling to ensure that project design meets or exceeds the ERI Target.



ENERGY STAR. The simple choice for energy efficiency.



JOIN

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- Optional: Multifamily Workbook; Reference: Rater Field Checklist, Water Mgmt System Requirements*

ERI

Conduct energy modeling to ensure that project design meets or exceeds the ERI Target.

BUILD

Complete **Construction Verification Documents.**

- ✓ Rater Field Checklist
 - ✓ HVAC Functional Testing Checklist
 - ✓ Photo Documentation
- Optional: Multifamily Workbook; Reference: Water Mgmt System Requirements*

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

- ✓ Builders
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BUILD

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- ✓ HVAC Functional Testing Checklist
- ✓ Photo Documentation
- Optional: Multifamily Workbook; Reference: Water Mgmt System Requirements*

ERI

Update energy rating based on conditions. Register each unit in the project with an EPA-approved HCO.

CERTIFY

Rater submits all documentation to an oversight organization.

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

- ✓ Builders
- ✓ Raters
- ✓ Functional Testing Agents
- ✓ Developers

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BUILD

Complete **Construction Verification Documents.**

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- ✓ HVAC Functional Testing Checklist
- ✓ Photo Documentation
- Optional: Multifamily Workbook; Reference: Water Mgmt System Requirements*

CERTIFY

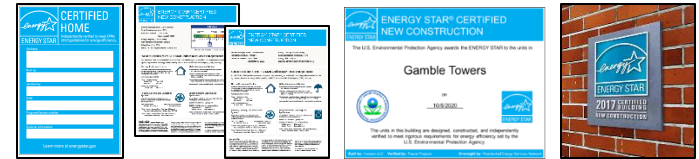
Rater submits all documentation to an oversight organization.

ERI

Update energy rating based on conditions. Register each unit in the project with an EPA-approved HCO.

MARKET

ENERGY STAR certification label and ENERGY STAR certificate.
ENERGY STAR plaques available for purchase.



Mandatory Minimum Requirements



Model energy savings of the building's design compared to ASHRAE 90.1 (or Title 24 in California).

ASHRAE

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

- ✓ Builders
- ✓ Developers
- ✓ Raters
- ✓ ASHRAE Path Modelers
- ✓ Functional Testing Agents

DESIGN

Complete **Design Verification Documents**.

- ✓ Rater Design Review Checklist
 - ✓ Multifamily Workbook
 - ✓ HVAC Design Report
 - ✓ ASHRAE Calc.
- Reference: Rater Field Checklist, Water Mgmt System Requirements*

ASHRAE

Conduct energy modeling to ensure that project design achieves the required savings over ASHRAE 90.1 (or Title 24). Submit required documents to EPA-approved MRO.

BUILD

Complete **Construction Verification Documents**.

- ✓ Rater Field Checklist
 - ✓ Multifamily Workbook
 - ✓ HVAC Functional Testing Checklist
 - ✓ ASHRAE Path Calculator
 - ✓ Photo Documentation
- Reference: Water Management System Requirements*

CERTIFY

Rater submits all documentation to an oversight organization.

ASHRAE

Update energy model based on conditions. Submit project As-Built Submittal to an EPA-approved MRO.

MARKET

ENERGY STAR certification label and ENERGY STAR certificate.
ENERGY STAR plaques available for purchase.



Mandatory Minimum Requirements



Use a prescriptive package of energy efficient measures developed by EPA.

(Not available in California.)

Prescriptive

Prescriptive

JOIN

All **participants** met participation requirements **prior to** certifying multifamily buildings.

- ✓ Builders
- ✓ Raters
- ✓ Functional Testing Agents
- ✓ Developers

DESIGN

Complete **Design Verification Documents.**

- ✓ Rater Design Review Checklist
 - ✓ HVAC Design Report
 - ✓ Multifamily Workbook
- Reference: Rater Field Checklist, Water Mgmt System Requirements*

Prescr. →

Ensure the design meets all the mandatory requirements for Prescriptive Path projects. Submit required documents to EPA-approved MRO.

BUILD

Complete **Construction Verification Documents.**

- ✓ Rater Field Checklist
 - ✓ HVAC Functional Testing Checklist
 - ✓ Photo Documentation
 - ✓ Multifamily Workbook
- Reference: Water Management System Requirements*

Prescr. →

Submit project As-Built Submittal with required documents to an EPA-approved MRO.

CERTIFY

Rater submits all documentation to an oversight organization.

MARKET

ENERGY STAR certification label and ENERGY STAR certificate.
ENERGY STAR plaques available for purchase.





§ 45L Tax Credit

Key Takeaways

- Eligibility for the § 45L tax credit requires ENERGY STAR (or ZERH) certification
- For the ENERGY STAR tax credit, minimum eligible program versions are based on acquisition date (not permit date)
- Minimum eligible versions are published in tables by year on EPA's tax credit website
- Builders should collect approved documentation of ENERGY STAR certification for their records

Available Multifamily Credits for ENERGY STAR Certification

- Multifamily Homes - \$500 available for homes certified to eligible ENERGY STAR Multifamily New Construction (MFNC) program requirements, with a larger tax credit (\$2,500) available when prevailing wage requirements are met.

A larger tax credit (2x ENERGY STAR levels) is also available for homes that are certified to DOE's Zero Energy Ready Home (ZERH) Program, which requires ENERGY STAR certification as a prerequisite.

Preparing for the future: Minimum MFNC ENERGY STAR Program Versions Eligible for the § 45L Credit in 2027

- To support § 45L, EPA has defined a version's effective date as the first January 1 after the original release.
 - However, to better align with § 45L, for the three versions released in 2022 but not implemented (e.g., SFNH National v3.2, MFNC National v1.2, and MH v3), the effective date is defined as January 1, 2024 (rather than January 1, 2023).
- Based on legislative language, EPA anticipates MFNC National v1.2 will be required for acquisitions in 2027 in most states
- In California, MFNC CA v1.3 is required for the tax credit through at least 2026, but EPA anticipates MFNC CA v1.4 will be required in 2027



Multifamily Example (for all states except CA, OR and WA)

Acquisition Date	ENERGY STAR Version (45L)
2023 – 2026	MFNC National v1.1
2027	<i>Anticipated: MFNC National v1.2</i>

Permit Date	ZERH Version
≤ 2024	ZERH V1
2025	ZERH MF V2

Visit the ENERGY STAR Tax Credits webpage for more information:

www.energystar.gov/taxcredits





Multifamily New Construction Program Website

ENERGY STAR MFNC Requirements Pages



SINGLE FAMILY **MULTIFAMILY** MANUFACTURED UNDERGOING GUT REHAB

PROGRAM VERSIONS AT A GLANCE

Visit the [Multifamily New Construction Certification Process](#) page to learn about multifamily certification options.

STEP 1: SELECT A PATH

- ERI and Prescriptive
- ASHRAE / Title 24

STEP 2: Select State or Territory

ELIGIBILITY

The requirements on this tab apply to the ENERGY STAR Multifamily New Construction (MFNC) program, launched in 2019. This program is available for all attached residential new construction, except two-family dwellings. Visit the [Multifamily New Construction Building Eligibility](#) page to determine if your building's units are eligible. Townhouses must use the ERI path.

PROGRAM REQUIREMENTS

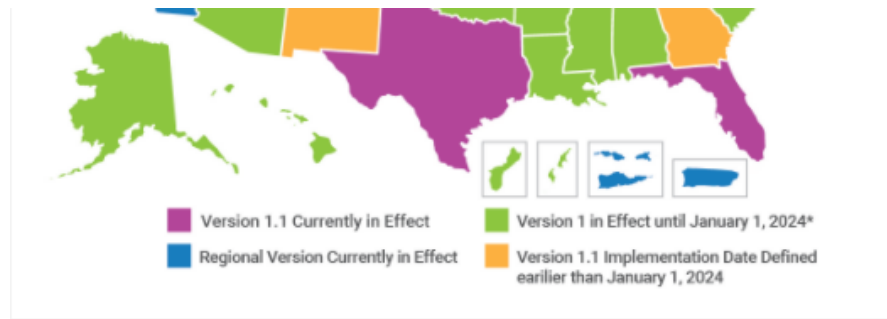
Program documents reflect Revision 02. Find details in the [Policy Record](#).

National Program Requirements
MFNC National Program Requirements Version 1/1.1/OR-WA 1.2 (PDF, 250 KB)

National Mandatory Measures

www.energystar.gov/mfnc

ENERGY STAR MFNC Requirements Pages



IMPLEMENTATION TIMELINE

***UPDATE:** All buildings permitted on or after January 1, 2024 will be required to meet the National Version 1.1 program requirements. There is no change for buildings built in locations where National Version 1.1 or a regional program requirement is already in effect.

To determine the program Version that a multifamily building is required to be certified under, identify the location and permit date of the building below. Note that regional program requirements, and associated implementation timelines, have been developed for buildings in CA, OR, PR, USVI, and WA.

State / Territory	Buildings Permitted On or After This Date ¹ Must Meet the Adjacent Version	Multifamily New Construction Program Version	Revision
AL, AK, AZ, AR, CO, GU, HI, IN, ID, KS, KY, LA, MS, MO, NH, NMI, NC, ND, OH, OK, SC, SD, TN, WV, WI, WY	07-01-2020	National Version 1	Rev. 01
	07-01-2021	National Version 1	Rev. 02
	01-01-2024	National Version 1.1	Rev. 02

National Mandatory Measures

- [MFNC Rater Design Review Checklist \(PDF, 312 KB\)](#)
- [MFNC Rater Field Checklist \(PDF, 775 KB\)](#)
- [MFNC HVAC Design Report \(PDF, 375 KB\)](#)
- [MFNC HVAC Design Supplement – Dwellings & Units \(PDF, 565 KB\)](#)
- [MFNC HVAC Design Supplement – Common Spaces & Central Systems \(PDF, 371 KB\)](#)
- [MFNC HVAC Functional Testing Checklist \(PDF, 332 KB\)](#)
- [MFNC Water Management System Requirements \(PDF, 88 KB\)](#)

Regional Program Requirements

- [MFNC California Program Requirements Version 1.2 \(PDF, 136 KB\)](#)
- [MFNC Caribbean Program Requirements, Version 1 \(PDF, 101 KB\)](#)

Regional Mandatory Measures

- [MFNC Caribbean Rater Design Review Checklist \(PDF, 212 KB\)](#)
- [MFNC Caribbean Rater Field Checklist \(PDF, 775 KB\)](#)

Download All

SUPPORTING DOCUMENTS

ENERGY STAR MFNC Requirements Pages

[SINGLE FAMILY](#) | **MULTIFAMILY** | [MANUFACTURED](#) | [UNDERGOING GUT REHAB](#)


PROGRAM VERSIONS AT A GLANCE

Visit the [Multifamily New Construction Certification Process](#) page to learn about multifamily certification options.

STEP 1: SELECT A PATH

- ERI and Prescriptive
- ASHRAE / Title 24

STEP 2: To see county design temperatures, select your state or territory.

Select State or Territory 

ELIGIBILITY

The requirements on this tab apply to the ENERGY STAR Multifamily New Construction (MFNC) program, launched in 2019. This program is available for all attached residential new construction, except two-family dwellings. Visit the [Multifamily New Construction Building Eligibility](#) page to determine if your building's units are eligible. Townhouses must use the ERI path.

PERFORMANCE TARGETS

For the ASHRAE Path, determine the [commercial code in effect in your state](#) and then choose from the Performance Target options in the table below. In states that have no commercial energy code or have adopted the 2009 IECC or earlier, buildings are required to meet a Performance Target of 15% over ASHRAE 90.1-2007, if permitted before January 1, 2024, and 15% over ASHRAE 90.1-2010, if permitted on or after January 1, 2024. For all other states, the Performance Target is 15% better than the energy code under which the building is permitted, unless choosing one of the equivalent options in the table below.

PROGRAM REQUIREMENTS

Program documents reflect Revision 02. Find details in the [Policy Record](#).

National Program Requirements
[MFNC National Program Requirements Version 1/1.1/OR-WA 1.2 \(PDF, 250 KB\)](#)

National Mandatory Measures

ENERGY STAR MFNC Requirements Pages

SINGLE FAMILY

MULTIFAMILY

MANUFACTURED

UNDERGOING GUT REHAB

PROGRAM VERSIONS AT A GLANCE

Visit the [Multifamily New Construction Certification Process](#) page to learn about multifamily certification options.

STEP 1: SELECT A PATH

- ERI and Prescriptive
- ASHRAE / Title 24

STEP 2: To see county design temperatures, select your state or territory.

Select State or Territory



ELIGIBILITY

The requirements on this tab apply to the ENERGY STAR Multifamily New Construction (MFNC) program, launched in 2019. This program is available for all attached residential new construction, except two-family dwellings. Visit the [Multifamily New Construction Building Eligibility](#) page to determine if your building's units are eligible. Townhouses must use the ERI path.

PERFORMANCE TARGETS

For the ASHRAE Path, determine the [commercial code in effect in your state](#) and then choose from the Performance Target options in the table below. In states that have no commercial energy code or have adopted the 2009 IECC or earlier, buildings are required to meet a Performance Target of 15% over ASHRAE 90.1-2007, if permitted before January 1, 2024, and 15% over ASHRAE 90.1-2010, if permitted on or after January 1, 2024. For all other states, the Performance Target is 15% better than the energy code under which the building is permitted, unless choosing one of the equivalent options in the table below.

PROGRAM REQUIREMENTS

Program documents reflect Revision 02. Find details in the [Policy Record](#).

National Program Requirements

[MFNC National Program Requirements Version 1/1.1/OR-WA 1.2 \(PDF, 250 KB\)](#)

National Mandatory Measures

ENERGY STAR MFNC Certification Process Page

Residential New Construction

- Program Requirements ▼
- Single Family Homes ▶
- Multifamily Buildings ▼
 - Multifamily New Construction Certification Process
 - Designed to Earn for Multifamily
 - Multifamily New Construction Building Eligibility
 - Multifamily Building Locator
 - Multifamily High Rise Program (New Construction) ▶
- Manufactured Homes
- Homes Undergoing Gut Rehab
- Policy Record
- Archives
- EPA Policies and Temporary Allowances for the ENERGY STAR

Multifamily New Construction Certification Process

There are three paths to earning the ENERGY STAR for multifamily new construction projects. Builders/developers may choose:

1. **ERI Path:** Use an approved rating tool software to determine unit-by-unit energy savings based on the ERI target (or savings above Title 24 in California) and follow a prescriptive package of energy efficient measures developed by EPA in common spaces; OR
2. **ASHRAE Path:** Use an energy modeling software approved to determine energy cost savings of the building's energy efficient design compared to ASHRAE (or Title 24 in California); OR
3. **Prescriptive Path:** Use a prescriptive package of energy efficient measures developed by EPA. (Not available in California)

Regardless of which path is chosen, each building must meet certain minimum mandatory requirements, and these are verified in the field by an approved Rater.

The step-by-step graphic below illustrates the process that eligible multifamily buildings follow to earn the ENERGY STAR. Visit the [ENERGY STAR Technical Bulletins](#) page to learn more about each of these steps, including [A Rater's Guide to the ENERGY STAR Multifamily New Construction Program Paths](#) (PDF, 234 KB).



ENERGY STAR Partner Pages

Resources for ENERGY STAR Residential New Construction Partners

Find program requirements, resources, and training for ENERGY STAR residential new construction partners, and learn about the benefits of partnership.

Residential New Construction Program Requirements

To earn ENERGY STAR certification, a new home or apartment must meet strict energy efficiency requirements established by EPA's ENERGY STAR Residential New Construction program.



Single Family Homes



Multifamily Homes



Manufactured Homes

Working with ENERGY STAR

Builders, developers, energy rating companies, utilities, and other energy efficiency program sponsors can partner with ENERGY STAR.

[Learn More](#)

Already a partner? Log in to your My ENERGY STAR Account (MESA) for partner-only tools and resources and to update partnership information.

[Log In](#)

Organizations such as real estate professionals and HVAC contractors can work with ENERGY STAR in other ways.

[Learn More](#)

Stakeholder Pages

- Residential New Construction**
 - Program Requirements ▶
 - About the ENERGY STAR Residential New Construction Program
 - Working with ENERGY STAR** ▼
 - Builders & Developers ▶
 - Energy Rating Companies
 - Utilities & Other Program Sponsors ▶
 - Other Participants** ▶
 - Marketing Resources ▶
 - Educational Resources ▶
 - Partner Locator
 - Tools & Resources
 - Related Programs ▶
 - Home Buyer Information
 - Complaints and Certification Review

Partner with ENERGY STAR

ENERGY STAR is the government-backed symbol for energy efficiency recognized by more than 90% of American households. ENERGY STAR certified homes and apartments are designed and constructed to be significantly more energy efficient than those built to code while lowering homeowner utility bills and providing superior comfort, quality, and durability.

ENERGY STAR provides [marketing](#), [technical](#), and programmatic support to partners to help them maximize their success.

There are opportunities for various types of organizations to support the construction of energy-efficient new homes and apartments through the ENERGY STAR Residential New Construction program. Learn more about participating with ENERGY STAR, including eligibility to partner with the program.



Builders & Developers



Energy Rating Companies



Utilities & Other Program Sponsors

[Join Now](#)

Stakeholder Pages - Rater



Residential New Construction
Program Requirements ▶
About the ENERGY STAR Residential New Construction Program
Working with ENERGY STAR ▼
Builders & Developers ▶
Energy Rating Companies
Utilities & Other Program Sponsors ▶
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Marketing Resources ▶
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Certified Homes Partner Locator
Tools & Resources
Related Programs ▶
Home Buyer Information
Complaints and Certification Review

Energy Rating Companies

The demand for home energy rating services is strong and growing. Energy Rating Companies (ERCs), comprised of trained and certified professionals (e.g., Home Energy Raters, HERS Raters, Providers), can [partner with ENERGY STAR](#) to **expand their service offerings** while becoming an **invaluable asset** to their builder clients.

Third party verification is a central component of the ENERGY STAR Residential New Construction programs and gives homebuyers and renters confidence that their new homes are energy-efficient. ERCs participating in either ENERGY STAR Certified Single-family New Homes or ENERGY STAR Multifamily New Construction (MFNC) can increase their revenue by gaining exclusive access to thousands of ENERGY STAR builder and developer partners. ERCs work closely with builders and developers to design homes and multifamily buildings that meet the [Program Requirements](#) and verify critical construction details during and after construction.

Partnering with ENERGY STAR is an opportunity for ERCs to **expand their service** offerings beyond simply providing energy ratings or individual performance tests (i.e., blower door tests). ERCs can become an invaluable asset to their clients and transition to the role of energy consultants by providing value throughout the construction process.

ERC partners can leverage the ENERGY STAR brand and take advantage of a suite of [sales and marketing resources](#) to help attract and recruit clients. ERC partners also become eligible for national recognition from EPA in the form of [ENERGY STAR Awards](#) if they meet eligibility criteria and demonstrate exemplary leadership in the verification of certified homes and apartments.

ENERGY STAR provides technical support in the form of webinars and resources posted online that can help Energy Rating Companies improve their understanding of building science. If you have a question about ENERGY STAR requirements that is not easily addressed by ENERGY STAR resources, email energystarhomes@energystar.gov for one-on-one support.

Visit the [Partner Locator](#) to find active ENERGY STAR partners and incentives near you.

Training Requirements

To begin or maintain an active partnership with ENERGY STAR, an Energy Rating Company must have at least one individual on staff who is a certified rater, approved inspector, or an equivalent designation as determined by a Home Certification Organization (HCO) or [Multifamily Review Organization \(MRO\)](#) and has completed required training through a HCO-accredited training provider for the ENERGY STAR program they will use to certify homes.

Current providers include:

- [RESNET-Approved Training Providers](#) [EXIT](#) (Approved trainings list [EXIT](#))



Stakeholder Pages - Rater

Required training by ENERGY STAR program:

- **Single-Family:**
 - ENERGY STAR Certified Homes Version 3 / 3.1 training *or*
 - ENERGY STAR Certified Homes Caribbean Version 3 training
 - For individuals who will primarily be working in Puerto Rico or the U.S. Virgin Islands, it is recommended that they complete training using these materials instead of the ENERGY STAR Certified Homes Version 3 / 3.1 materials.
- **Multifamily:**
 - ENERGY STAR Certified Homes Version 3 / 3.1 training, *and*
 - ENERGY STAR Multifamily New Construction (MFNC) Version 1 training (to certify MFNC projects on or after January 1, 2020)
 - Download the list of [MFNC trained raters](#) (EXCEL, 13 KB)

All of the above-listed trainings present the technical content of each program's Rater Design Review Checklist and Rater Field Checklist. The training takes the trainee through each section of the checklist, explaining in great detail each individual checklist requirement, how to verify it, and explanation of any corresponding footnotes. Upon completing the training, raters will have a solid understanding of how to verify and complete the checklists they are responsible for in the ENERGY STAR certification process.

Stakeholder Pages - Rater

Required training by ENERGY STAR program:

- **Single-Family:**
 - ENERGY STAR Certified Homes Version 3 / 3.1 training *or*
 - ENERGY STAR Certified Homes Caribbean Version 3 training
 - For individuals who will primarily be working in Puerto Rico or the U.S. Virgin Islands, it is recommended that they complete training using these materials instead of the ENERGY STAR Certified Homes Version 3 / 3.1 materials.
- **Multifamily:**
 - ENERGY STAR Certified Homes Version 3 / 3.1 training, *and*
 - ENERGY STAR Multifamily New Construction (MFNC) Version 1 training (to certify MFNC projects on or after January 1, 2020)
 - Download the list of [MFNC trained raters](#) (EXCEL, 13 KB)

All of the above-listed trainings present the technical content of each program's Rater Design Review Checklist and Rater Field Checklist. The training takes the trainee through each section of the checklist, explaining in great detail each individual checklist requirement, how to verify it, and explanation of any corresponding footnotes. Upon completing the training, raters will have a solid understanding of how to verify and complete the checklists they are responsible for in the ENERGY STAR certification process.

MFNC Rater Training Contacts	
As of 2020-09-03	
Organization Name	Contact: Full Name
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]

Stakeholder Pages - ASHRAE Modeler

- Residential New Construction**
- Program Requirements ▶
- About the ENERGY STAR Residential New Construction Program
- Working with ENERGY STAR ▼
 - Builders & Developers ▶
 - Energy Rating Companies
 - Utilities & Other Program Sponsors ▶
 - Other Participants ▼
 - ASHRAE Modeler Directory
 - FT Agent Directory
 - Housing Agencies ▶
 - HVAC Contractors ▶
 - Home Certification Organizations (HCOs) ▶
 - Multifamily Review Organizations (MROs) ▶
 - Manufactured Homes Quality Assurance Providers (QAPs)
- Marketing Resources ▶
- Educational Resources ▶
- Certified Homes Partner Locator
- Tools & Resources
- Related Programs ▶

Other Participants

There are opportunities for a number of different types of organizations to support the ENERGY STAR Residential New Construction program and the construction of energy-efficient new homes and apartments. Learn more about how different types of organizations can participate with ENERGY STAR, including their eligibility to partner with the program.

Oversight Organizations	Multifamily Professionals	Real Estate Industry Professionals	Other Stakeholders
<ul style="list-style-type: none"> Home Certification Organizations (HCOs) Multifamily Review Organizations (MROs) Manufactured Homes Quality Assurance Providers (QAPs) 	<ul style="list-style-type: none"> ASHRAE Path Energy Modelers Functional Testing Agents (FTAs) 	<ul style="list-style-type: none"> Home Appraisers Housing Agencies Lenders Manufactured Homes Retailers Real Estate Professionals 	<ul style="list-style-type: none"> Architects & Designers Home Builders Associations HVAC Contractors



Architects & Designers

Residential architects and designers can help their builder clients design home plans that meet the rigorous energy efficiency requirements of the ENERGY STAR Residential New Construction program. By designing energy efficiency into the front-end of a project, a team can ensure that critical building science details and efficiency features are included that offer direct resident benefits, including energy-savings, comfort, and durability.

Architects and designers can better promote their multifamily projects by using the [Designed to Earn the ENERGY STAR mark](#).



ASHRAE Path Energy Modelers

The ENERGY STAR Multifamily New Construction program offers a certification path which requires whole-building energy models that demonstrate energy cost savings above ASHRAE Standard 90.1. Energy modelers tasked with developing these building models are required to complete an [online orientation](#), which will provide an overview of the Multifamily New Construction program and its requirements.

After completing the online orientation, email energystarhomes@energystar.gov to share contact information with EPA and include "ASHRAE Modeling Orientation" in the subject line. Recognized Energy Modelers are added to the [ASHRAE Path Energy Modeler Directory](#).

Stakeholder Pages – ASHRAE Modeler

ASHRAE Path Energy Modeler Directory

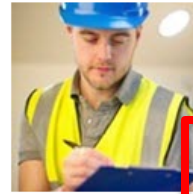
After completing the orientation and sharing contact information with EPA, recognized ASHRAE Path Energy Modelers are added to the directory below. Learn about [ASHRAE Path Energy Modelers](#) on our [Other Participants](#) page to get started.

Individual Name	Organization	Email	Phone Number	City	State
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Stakeholder Pages – Functional Testing Agents

- Related Programs ▶
- Home Buyer Information
- Complaints and Certification Review

added to the [ASHRAE Path Energy Modeler Directory](#).



Functional Testing Agents (FTAs)

Professionals who hold EPA-recognized credentials can complete parts of the [ENERGY STAR Multifamily New Construction HVAC Functional Testing Checklist](#) (PDF, 354 KB).

Functional Testing Agents must be a contractor credentialed by an HVAC Quality Installation Training and Oversight organization (H-QUITO) or must be one of the following:

ACG Certified Commissioning Authority (CxA)	Licensed Professional Mechanical Engineer
ACG Certified Commissioning Technician (CxT)	NEBB Building System Commissioning Certified Technician (BSC CxCT)
AEE Certified Building Commissioning Professional (CBCP)	NEBB Building System Commissioning Certified Professional (BSC BP)
AEE Existing Building Commissioning Professional (EBCP)	NEEM Commissioning Process Professional (CxPP)
ASHRAE Building Commissioning Professional (BCxP, formerly the Commissioning Process Management Professional (CPMP))	Representative of the Original Equipment Manufacturer (OEM)
BCCB Certified Commissioning Professional	

Professionals seeking to provide Functional Testing services in support of the ENERGY STAR Multifamily New Construction Program must complete an [online orientation](#) [EXIT →](#), which will provide an overview of the program and its requirements. Note: online orientation is not required for [credentialed HVAC contractors](#).

After completing the online orientation, email energystarhomes@energystar.gov to share contact information and a copy of your credential certificate or documentation with EPA. In the [Functional Testing Orientation](#) in the subject line. Recognized Functional Testing Agents are added to the [Functional Testing Agent Directory](#).

Stakeholder Pages – Functional Testing Agents

Functional Testing Agent Directory

The entity performing Functional Testing, the Functional Testing Agent ("FT Agent"), must be a contractor credentialed by an HVAC Quality Installation Training and Oversight organization (H-QUITO), must hold an approved credential, or must be a representative of the Original Equipment Manufacturer (OEM). Learn about [Functional Testing Agents](#) on our [Other Participants](#) page to get started.

After completing the orientation and sharing contact information with EPA, recognized Functional Testing Agents (FTAs) are added to the directory below.

Raters: To confirm the status of an unlisted Functional Testing Agent, please contact energystarhomes@energystar.gov.

FT Agent Name	Organization	Location	Phone	Email	Credential(s)
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Marketing Materials



Single Family Homes



Multifamily Homes



Manufactured Homes

Working with ENERGY STAR

Builders, developers, energy rating companies, utilities, and other energy efficiency program sponsors can partner with ENERGY STAR.

[Learn More](#)

Already a partner? Log in to your My ENERGY STAR Account (MESA) for partner-only tools and resources and to update partnership information.

[Log In](#)

Organizations such as real estate professionals and HVAC contractors can work with ENERGY STAR in other ways.

[Learn More](#)

Resources & Training



Technical Guidance & Webinars

Access technical information about the program, supplemental guidance, and sign up for webinars on a variety of topics.



Marketing Resources

Educate prospective homebuyers about the features and benefits of ENERGY STAR certified homes and apartments using a variety of no cost resources.



Awards & Recognition

Learn about awards and other recognition available for ENERGY STAR residential new construction partners.

Marketing Materials

Residential New Construction

[Program Requirements](#) ▶

[About the ENERGY STAR Residential New Construction Program](#)

[Working with ENERGY STAR](#) ▶

Marketing Resources ▼

[Fact Sheets and Infographics](#)

[Recognition and Awards](#) ▶

[Web Promotion Tools](#)

[Educational Resources](#) ▶

[Partner Locator](#) ▶

[Tools & Resources](#)

[Related Programs](#) ▶

[Home Buyer Information](#)

[Complaints and Certification Review](#)

Marketing Resources for Partners

Building ENERGY STAR certified homes and apartments is only the first step for partners. As an ENERGY STAR partner, you have access to a variety of resources at no cost that will help educate homebuyers and residents of the value of ENERGY STAR, and set your company apart.



MARKETING TOOLS

[ENERGY STAR Certified New Homes Overview Flyer \(web & print\)*](#)

Display this full-color flyer in model homes and sales centers or distribute to prospective homebuyers as a take-away. This overview flyer provides a high-level summary of all the features and benefits of certified homes.

[ENERGY STAR Certified New Homes Technical Flyer & Tri-fold Brochure \(web & print\)*](#)

Display this full-color flyer in model homes and sales centers or distribute to prospective homebuyers as a take-away. This technical flyer provides more detail about the high-value energy efficient features found in certified homes, along with a QR code that homebuyers can use to learn more. Co-brandable tri-fold version available.

[Seasonal Partner Communications Toolkit*](#)

Access updated, ready-to-print, co-brandable materials for display in model homes and sales centers, inclusive and diverse imagery, and a variety of digital assets for use on your websites and social media accounts. The Toolkit will be updated regularly each spring/fall season.

[Digital Assets*](#)

- **ENERGY STAR certified house graphic** - A stand-alone version of the ENERGY STAR certified house graphic for use on your website or other materials;
- **Postcards** - A set of postcards that you can customize with your logo and brand assets for mailing to consumers or to display in model homes; and

Market Your Building

Residential New Construction

- Program Requirements ▼
- Single Family Homes ▶
- Multifamily Buildings ▼
 - Multifamily New Construction Certification Process ▶
 - Multifamily New Construction Building Eligibility
 - MFNC Caribbean Program Requirements, Version 1
 - Multifamily High Rise Program (New Construction) ▼
 - Program Requirements
 - Building Eligibility
 - Certification Process
 - Guidance Documents
 - Training Resources
 - MFHR Developers
 - Licensed Professionals
 - Energy Professionals
 - Utility Support
 - Benchmarking
 - Certified Multifamily Units
- Manufactured Homes

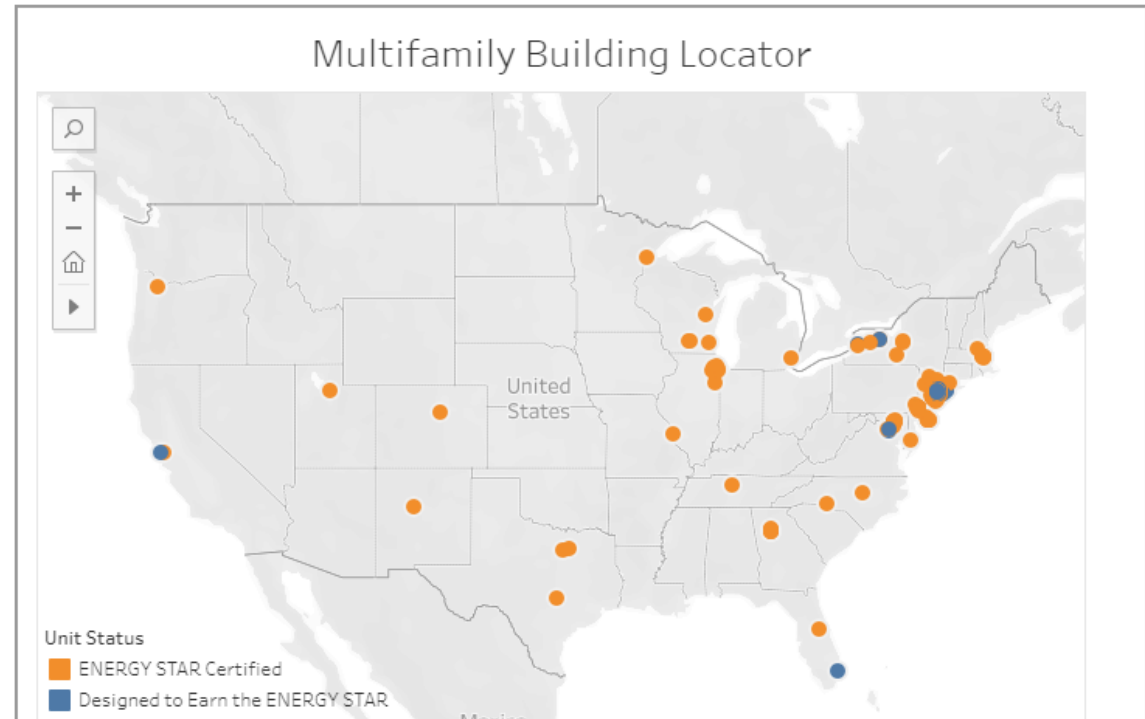
Certified Multifamily Units

Looking for an ENERGY STAR certified apartment or condo? Use the Building Locator or browse our List of Buildings with ENERGY STAR Certified Apartments to find buildings with certified units near you that deliver better quality, comfort, and value.

MULTIFAMILY BUILDING LOCATOR

Click on a location within the map to see more information, including a link to the building's profile (where available). Designed to Earn the ENERGY STAR designates buildings under construction where the design has met the ENERGY STAR requirements, but post-construction verification is still required for apartments to earn ENERGY STAR certification.

If you are experiencing issues with the interactive features of the map or tables below, try opening the map in a new tab by [clicking here](#) **EXIT** →



Market Your Building

ENERGY STAR Multifamily High Rise Building Profile

Building Developer:

ABC Development Corporation

Licensed Professional:

XYZ Architectural Designs

Year Certified:

2014

Construction Type:

New Construction

Sector:

Market Rate

The Main Street Building

123 Main Street
Washington, DC 20005

[\[Web Address\]](#)



Technologies Used:

- Steel frame walls with R-13 fiberglass and R-5 rigid insulation
- 15 SEER AC
- Low-flow fixtures, ENERGY STAR appliances and CFLs



Building Description:

EPA has created this fillable PDF template that also allows you to upload a picture of the building and developer company logo. Building Profiles are an opportunity to showcase the unique energy efficiency features of your building to consumers and prospective clients alike. Building Profiles are linked from www.energystar.gov/mfhr and will be posted to the ENERGY STAR MFHR Consumer Page www.energystar.gov/certifiedapartments.

A Building Profile includes general information and a description of the building, specific energy efficiency measures, and a photo of the building and the developer company logo. Developers can add a link to either their website or building website if they comply with the ENERGY STAR Web Linking Policy.

BUILDING PROFILE HIGHLIGHT

Interested in learning more about the energy saving features in ENERGY STAR certified apartments? Use the gray arrows below to search the profiles of multifamily high rise buildings with ENERGY STAR certified units. Interested in having your multifamily high rise building highlighted? Instructions on how to submit a Building Profile are available in the Building Profile Kit (PDF, 901KB).



Awards

Partner of the Year

Partner of the Year Award



Market Leader Award

ENERGY STAR Residential New Construction Market Leader Award Winners

Each year, the ENERGY STAR Residential New Construction program presents Market Leader Awards to outstanding partners who have made important contributions to energy-efficient construction and environmental protection by building or verifying an outstanding number of ENERGY STAR certified homes and apartments, or by sponsoring a local program that supported these activities during the previous year. We proudly recognize their efforts as ENERGY STAR partners.

2023 Award Winners

- Builders and Developers
- Manufactured Housing Builders
- Energy Rating Companies
- Sponsoring Organizations

Builders and Developers

- ASH-Dom, LLC
- Beazer Homes - Arizona
- Beazer Homes - Atlanta
- Beazer Homes - California

Technical Bulletins

Residential New Construction	
Program Requirements	▶
About the ENERGY STAR Residential New Construction Program	
Working with ENERGY STAR	▶
Marketing Resources	▶
Educational Resources	▼
ENERGY STAR Webinars	▶
Technical Bulletins	
Supplemental Program Guidance	

Technical Bulletins

- [A Rater's Guide to the ENERGY STAR Multifamily New Construction Program Paths Technical Bulletin, December 16, 2020 \(PDF, 360 KB\)](#)
This technical bulletin highlights the differences and similarities between the three different ENERGY STAR Multifamily New Construction paths (ERI, ASHRAE and Prescriptive) and clarifies the Rater's responsibilities for each Path.
- [How to Get Your ENERGY STAR Multifamily New Construction Project Team Ready Technical Bulletin, August 12, 2020 \(PDF, 360 KB\)](#)
The transition to EPA's ENERGY STAR Multifamily New Construction (MFNC) program is fast approaching. Is your project team ready? Key participants for the Multifamily New Construction program include builders / developers, raters, functional testing agents, and ASHRAE path energy modelers. This technical bulletin highlights the key steps to complete before starting an MFNC project.
- [Four Misunderstood Facts About ENERGY STAR Homes Technical Bulletin, October 29, 2019 \(PDF, 346 KB\)](#)
Builder partners sometimes misunderstand ENERGY STAR program requirements and overestimate the level of upgrades needed to participate. The truth is that ENERGY STAR might be an easier lift than you think. This technical bulletin presents four facts about ENERGY STAR program requirements that are commonly misunderstood.
- [Whole-House Ventilation Rate Responsibilities for Designers, Contractors, and Raters Technical Bulletin, March 14, 2019 \(PDF, 207 KB\)](#)

Technical Bulletins

ENERGY STAR Multifamily New Construction Certification Process for Raters			
	ERI	ASHRAE	Prescriptive
Getting Started	Confirm that your Developer/Builder and your Energy Rating Company (ERC) have signed a partnership agreement with EPA by checking the ENERGY STAR Partner List . Confirm that the Rater for the project (1) holds approved credentials (e.g., Certified Rater, Approved Inspector), (2) has completed required ESMFNC training and (3) (optionally) is listed on the MFNC Trained Raters list . Confirm that the Functional Testing Agent has or will complete online orientation and confirm if, as the Rater, you will complete any aspects of the Functional Testing Checklist (i.e., Section 5 or by using HVAC Grading). Optional: Hold kick-off meeting and/or provide program documents to design team. Note: No ENERGY STAR project application is required to enroll in the MFNC program!		
	Confirm Energy Rating Company is engaged with Home Certification Organization (HCO) and aware of quality assurance requirements.	Engage Multifamily Review Organization (MRO) . Confirm that the energy modeler has or will complete the online orientation .	Engage Multifamily Review Organization (MRO) .
Design	Request HVAC Design Report from HVAC designer or MEP. Complete Rater Design Review Checklist (PDF OR within the Multifamily Workbook). Optional: Review construction drawings to confirm design complies with all program requirements as listed in the 4 other key program documents (Rater Field, HVAC Design, HVAC Functional Testing & Water Management). Strongly recommended: Submit proposed design documentation to oversight organization for review.		
	Complete preliminary energy modeling (dwelling units). Optional: Complete MF Workbook (with Design components completed).	Complete preliminary energy modeling (building). Complete MF Workbook (with Design components completed).	(No modeling required). Complete MF Workbook (with Design components completed).
Build	Verify all items on Rater Field Checklist (via inspections and diagnostic tests). Collect HVAC Functional Testing Checklist, completing Section 5 if applicable.		
	Optional: Update MF Workbook.	Update MF Workbook.	Update MF Workbook.
Post Construction	Complete final energy model to reflect as-built conditions for all dwelling units. Submit each dwelling unit's energy model to HCO.		
	Complete final energy model to reflect as-built conditions. Submit As-Built Submittal (ABS) to MRO.	Complete final energy model to reflect as-built conditions. Submit As-Built Submittal (ABS) to MRO.	(No modeling required). Submit As-Built Submittal (ABS) to MRO.
Marketing & Labeling	Save copies of all documents per oversight organization requirements. Send ENERGY STAR dwelling unit labels (and building certificates, if requested) to Developer/Builder.		
	Coordinate with HCO or Rating Provider to report certified units to EPA.	No action required. MRO reports certified projects to EPA.	No action required. MRO reports certified projects to EPA.
Quality Assurance	Follow HCO protocol for file/field quality assurance reviews.		
	[10% of units by Rater file-reviewed, 1% of units field-reviewed, including sample of common space in building]	Follow MRO protocol for file/field quality assurance reviews. [100% file review, 1% of all projects field-reviewed, based on MRO's volume, not by Rater]	Follow MRO protocol for file/field quality assurance reviews. [100% file review, 1% of all projects field-reviewed, based on MRO's volume, not by Rater]



Technical Bulletin: How to Get Your ENERGY STAR Multifamily New Construction Project Team Ready August 12, 2020

The transition to EPA's ENERGY STAR Multifamily New Construction (MFNC) program is fast approaching. Is your project team ready?

Key participants for the Multifamily New Construction program include builders / developers, raters, functional testing agents, and ASHRAE path energy modelers. The ENERGY STAR Multifamily team created the guide below to highlight key steps to complete before starting an MFNC project.

- [Builders / Developers](#)
- [Raters](#)
- [Functional Testing Agents](#)
- [ASHRAE Path Energy Modelers](#)

Builders / Developers

Builders and developers work with [ENERGY STAR Rater partners](#) to construct ENERGY STAR certified multifamily buildings that meet EPA requirements for improved comfort, energy efficiency, and durability.



To identify an ENERGY STAR Rater near you who has trained in the specifics of MFNC, visit the [Energy Rating Companies](#) page to download a [list of MFNC trained raters](#).

While the Rater is responsible for verifying many [program requirements](#), it is the responsibility of the builder/developer to review the [National Water Management System Requirements](#) and ensure that each multifamily building is designed and constructed to meet those requirements.

Partnership: Multifamily builders and/or developers must sign an [ENERGY STAR Partnership Agreement](#) with EPA acknowledging their roles and responsibilities as a partner and documenting their commitment to meet the MFNC Program Requirements.

Credentials/Prerequisites: None.

Training: [Builder / Developer Orientation Video](#) is viewed as part of the Online Partnership Agreement above.

Directory: [ENERGY STAR Partner Locator](#)

Visit the [Builders & Developers](#) page and the [MFNC Certification Process](#) page to learn more.

2023 ENERGY STAR Partner Meeting Webinar Series

Complete	ENERGY STAR: The Year in Review/The Year Ahead
Now	A Beginners Guide to the ENERGY STAR Multifamily New Construction Program
Tuesday, December 5 th 1 PM Eastern	45L Tax Credit Update
Thursday, December 7 th 1 PM Eastern	Overview of the Latest Revisions (Rev.13 & 04) of the ENERGY STAR Single-Family and Multifamily Programs
Monday, December 11 th 1 PM Eastern	Strengthening the ENERGY STAR Certification System's Quality Assurance and Quality Control Requirements
Tuesday, December 12 th 1 PM Eastern	Just Launched: ENERGY STAR NextGen New Homes and Apartments Program

Register at www.energystar.gov/partner_resources/residential_new/educational_resources/energy_star_webinars.

Each webinar will be recorded and available for playback afterward on our Recorded Webinars page:
www.energystar.gov/partner_resources/residential_new/educational_resources/energy_star_webinars/recorded_webinars



ENERGY STAR Recorded Webinars

- [Overview of ENERGY STAR Multifamily New Construction](#) (4/27/22)
- [Start with ENERGY STAR \(Multifamily New Construction\)](#) (6/16/21)
- [ENERGY STAR MFNC Multifamily Workbook Tutorial](#) (6/3/20)
- [Raising the Bar: Advancing the Versions of ENERGY STAR Residential New Construction](#) (9/27/21)



Today's Agenda

- ✓ Overview of the **MFNC** program
 - ✓ Building Eligibility
 - ✓ Roles and Responsibilities
 - ✓ Certification Paths: ERI, ASHRAE, Prescriptive
 - ✓ Mandatory Req's
 - ✓ Policy Record & Program Revision Process
 - ✓ Certification Process
 - ✓ § 45L Tax Credit
 - ✓ MFNC website & other resources
- Q&A: energystarhomes@energystar.gov



ENERGY STAR Multifamily New Construction

Web & Email:

Main: energystar.gov/newhomespartners
Technical: www.energystar.gov/mfnc
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