



Introduction to ENERGY STAR Multifamily New Construction

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Today's Agenda

Overview of the new **MFNC** program

Building Eligibility

Transition Timeline

Roles and Responsibilities

Certification Paths: ERI, ASHRAE, Prescriptive

Mandatory Req's: Compare to ESCH & MFHR

MFNC website

Q&A: energystarhomes@energystar.gov



ENERGY STAR Residential New Construction Programs: Past

Guidelines for new or gut rehab:

Single family homes

Low rise multifamily buildings

Some 4+5 story multifamily buildings

Certified Homes

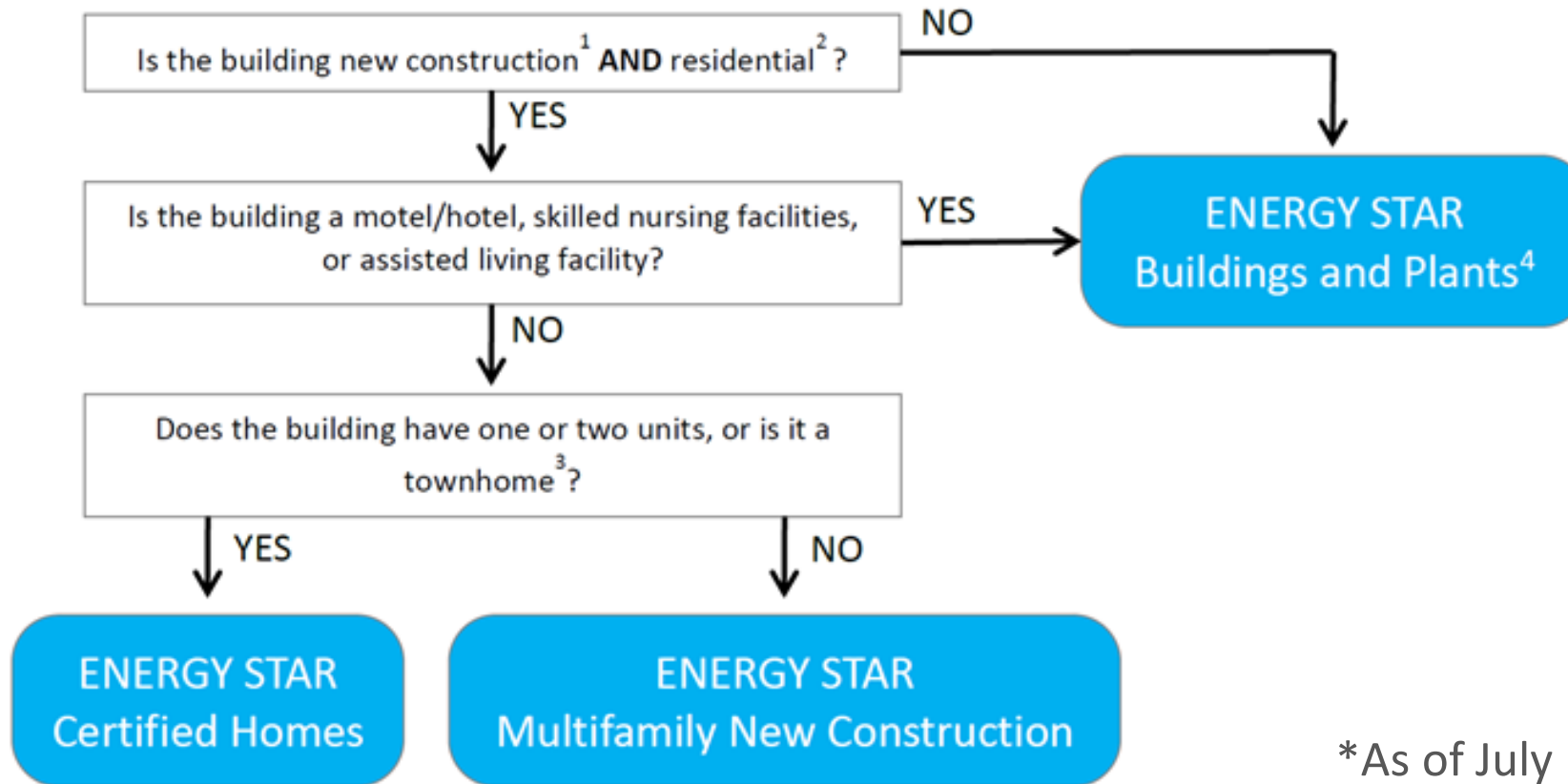


Mid and high rise multifamily buildings

MFHR



ENERGY STAR Residential New Construction Programs: Future*



*As of July 1, 2021

ENERGY STAR Residential New Construction Programs: Present



Certified Homes



MFHR



MFNC

ENERGY STAR Residential New Construction Programs: Present



Certified Homes



MFHR



MFNC

ENERGY STAR Residential New Construction Programs: Future*



Certified Homes

(permit before 7/1/2021)



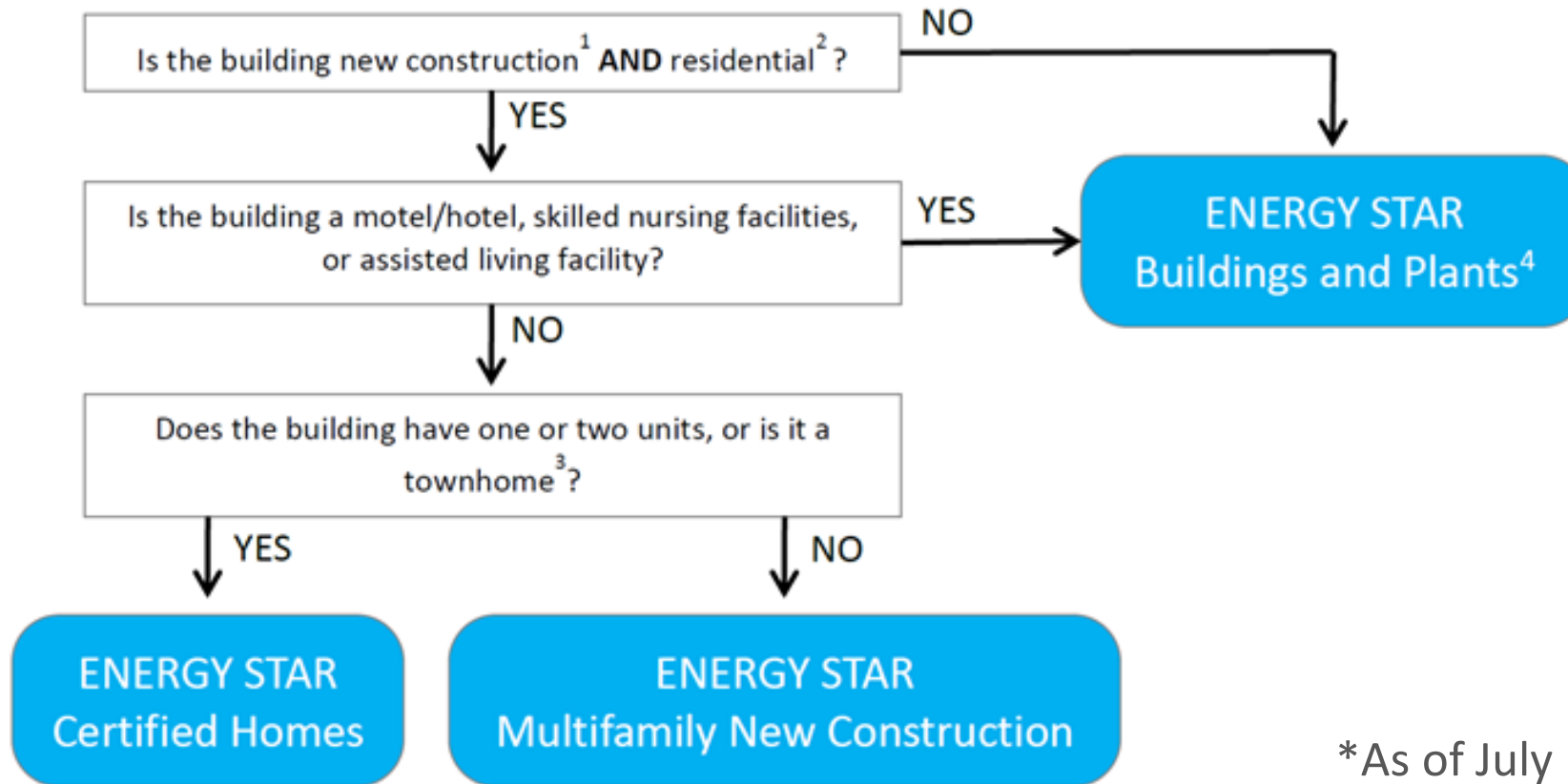
MFHR

(permit before 7/1/2021 + MFHR app. before 1/1/2021)



MFNC

ENERGY STAR Residential New Construction Programs: Future*

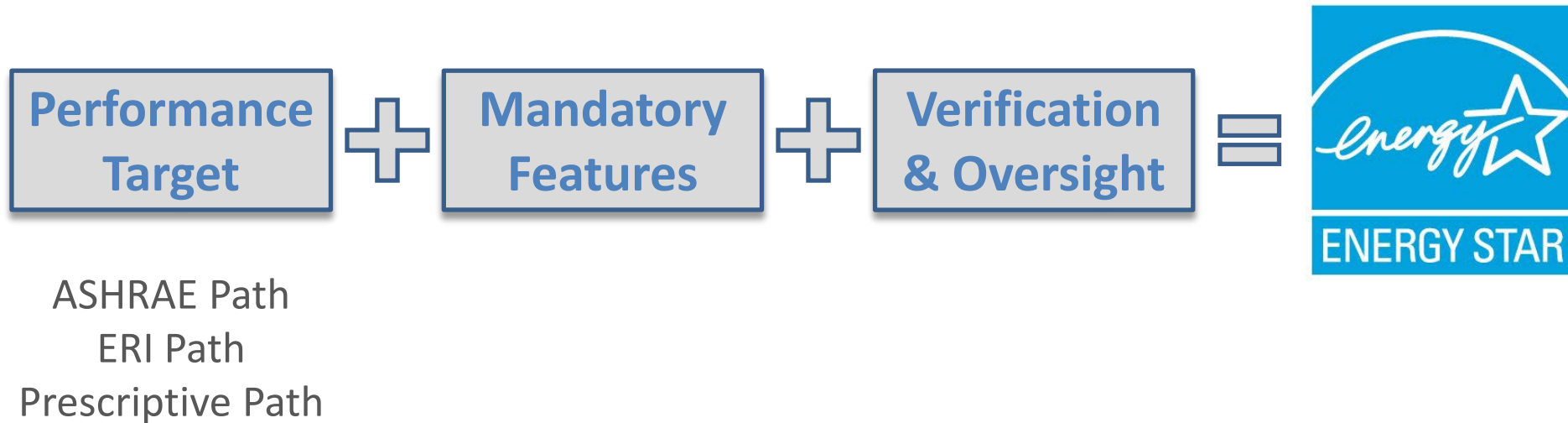


*As of July 1, 2021



MFNC Program Overview

MFNC Program Requirements Overview





MFNC Partners & Participants

ES MFNC Partners & Participants



Builder/
Developer



Rater



Functional
Testing Agent



HVAC
Designer



ASHRAE Modeler
(ASHRAE Path)



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

ES MFNC Partners & Participants



Builder/
Developer



Rater



Functional
Testing Agent



HVAC
Designer



ASHRAE Modeler
(ASHRAE Path)



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

**Blue indicates from Certified homes*

ES MFNC Partners & Participants



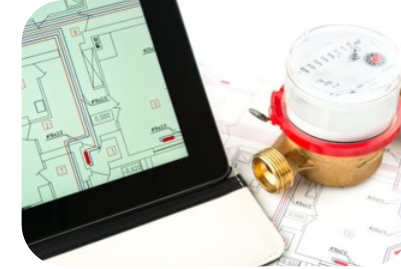
Builder/
Developer



Rater



Functional
Testing Agent



HVAC
Designer



ASHRAE Modeler
(ASHRAE Path)



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

**Purple indicates modified from Certified Homes*

ES MFNC Partners & Participants



Builder/
Developer



Rater



Functional
Testing Agent



HVAC
Designer



ASHRAE Modeler
(ASHRAE Path)



Multifamily Oversight Orgs
Home Certification Org (ERI Path)

Multifamily Review Org (ASHRAE / Prescriptive Paths)

**Red indicates from MFHR*

ENERGY STAR MFNC Partners

Builders & Developers

Role & Expectations

- 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

- Rater Design 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
- c) Complete [online Partnership Agreement](#)



ENERGY STAR MFNC Partners

Raters

Training

Current ENERGY STAR Rater:

- MFNC Rater Training

Similar format to ESCH

18 RESNET PDHs

Not yet taken ESCH Training:



- ESCH & MFNC Rater Training

Find a training

- [RESNET's Approved Rater Professional Development Courses](#)



Rater Design Review Checklist – Multifamily New Construction (MFNC)

2	High-Performance Fenestration	
1/2	Specified fenestration meets / exceeds requirements	

Footnotes:

4. All windows, doors and skylights must meet or exceed the U-factor and SHGC requirements specified in the table below.

	Dwelling unit doors and windows that are not classified as "Class A/W"	Dwelling unit windows that are classified as "Class A/W"	Common Space
IEBC	2009 IECC Table 402.1.1	2009 IECC Table 502.3	ENERGY STAR MF Reference Design – for Class AW
ASHRAE	2009 IECC Table 402.1.1	2009 IECC Table 502.3	2009 IECC Table 502.3
Prescriptive	ENERGY STAR MF Reference Design	ENERGY STAR MF Reference Design – for Class AW	ENERGY STAR MF Reference Design – for Class AW

* Classified as "Class AW" under the North American Fenestration Standard (AAMA / WDMA / CSA 101 / I.S.2 / A440).

† Opaque doors in common spaces in CZ 1-6 shall not exceed U-0.70, and in CZ 7-8, shall not exceed U-0.5.

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 rates 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 Certified Homes

Multifamily Review Organization (MRO)

ASHRAE and Prescriptive Paths

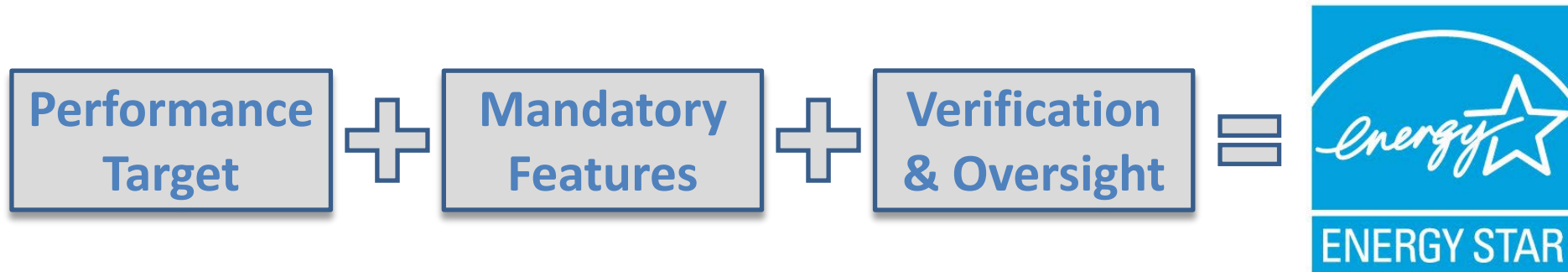
Provide oversight similar to MFHR



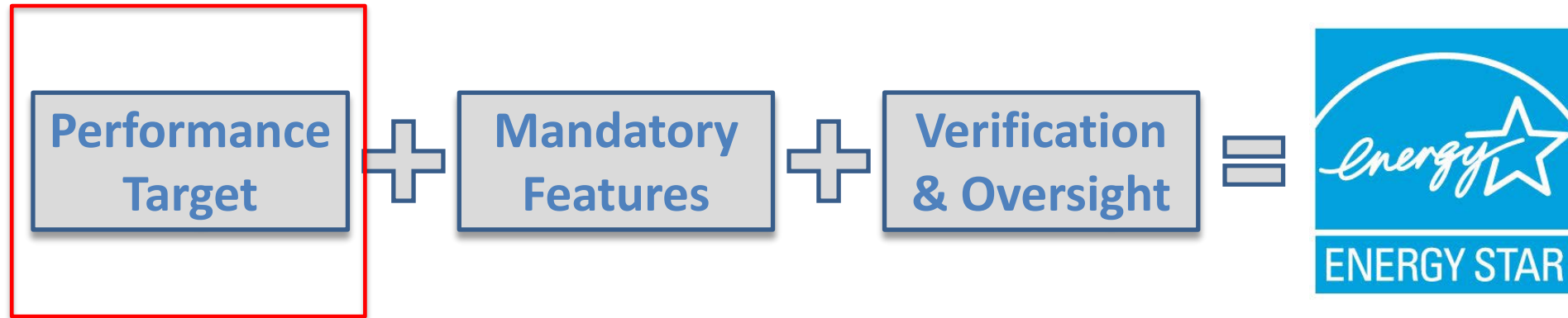


Multifamily New Construction Program Requirements

Key Components to Program Requirements



Key Components to Program Requirements



ASHRAE Path



Whole-Building Modeled Energy Savings

- 15% cost savings above ASHRAE 90.1
 - ASHRAE Path Calculator, Simulation Guidelines
 - Year based on the state commercial code
 - Alt. option: source savings for 2013+
- Alt. opt: WUFI metric for PHIUS cert. projects
- 10% above Title 24-2016 in California
 - California Compliance Report

Notes

- Low-rise allowed with some modifications

Energy Rating Index (ERI) Path



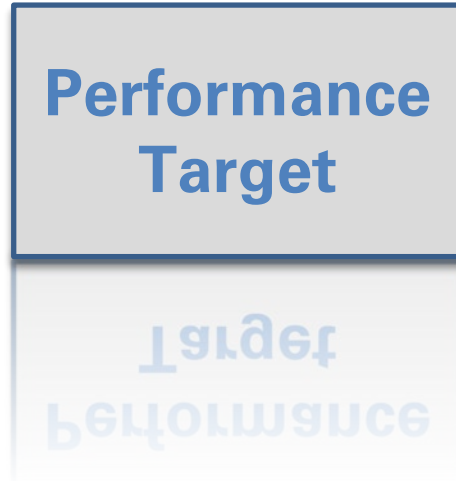
- ENERGY STAR Multifamily Reference Design
 - Version “1” and “1.1” to match Version “3” and “3.1” states based on Certified Homes Reference Design (generally modeling more stringent)
 - Also developed regional “1.2” for OR & WA
 - Townhomes use *Certified Homes* Ref Design

Energy Rating Index (ERI) Path



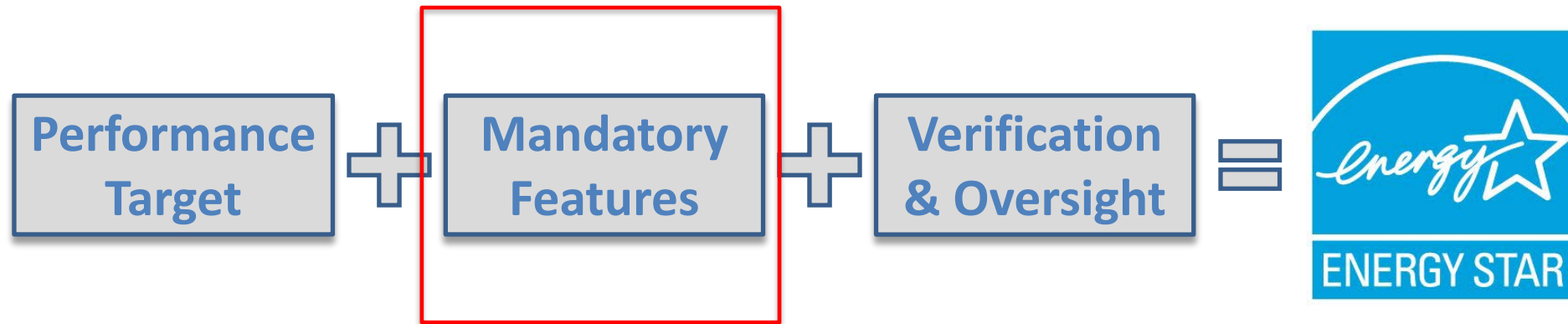
- ENERGY STAR Multifamily Reference Design
 - Version “1” and “1.1” to match Version “3” and “3.1” states based on Certified Homes Reference Design (generally modeling more stringent)
 - Also developed regional “1.2” for OR & WA
 - Townhomes use *Certified Homes* Ref Design
- “Available” for any height bldg, but for 6+ stories, check your software has implemented ANSI 301-2019 & the MFNC Reference Design
- Prescriptive common area measures

Prescriptive Path

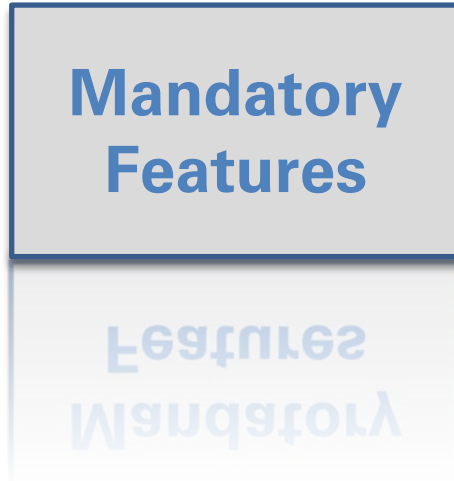


- No energy modeling
- Available for all projects (except CA)
- ENERGY STAR Multifamily Reference Design specifications is required (in-unit and common areas)
- Additional req'ts beyond ENERGY STAR Multifamily Reference Design (e.g. in-unit lighting power density, building level window-to-wall ratio)

Key Components to Program Requirements



Checklist Item/Prerequisite Summary



- Developed by evaluating req'ts from ESCH & MFHR and combining/adjusting as appropriate (both more and less stringent)
- Similar Checklist format as Certified Homes
- Added req'ts for central HVAC & HW systems
- Added req'ts in common areas
- Added req'ts to reduce hot water energy use

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

Features
Mandatory

ENERGY STAR MFNC Supporting Documents and Tools

Mandatory Features

Features Mandatory

- Multifamily Workbook - Excel
 - What's in it?*
 - Rater Design 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

ENERGY STAR MFNC Program Documents and Tools

National Rater Design Review Checklist

ENERGY STAR Multifamily New Construction, Version 1 / 1.1 / 1.2 (Rev. 01)

If pursuing Path A - Dwelling Unit HVAC Design, complete this page.

Project Name: _____ Number of Units: _____ Permit Date: _____
 Project Address: _____ City: _____ State: _____

1. Partnership Status

1.1 Rater has verified and documented that builder or developer has an ENERGY STAR partnership agreement using www.energystar.com/energy

1.2 USGBC Only: Rater has verified that rater is in the rater directory using www.usgbc.org/USGBCdir.asp

1.3 Rater name: _____ Designer name: _____
 Rater address: _____ Designer address: _____

2. High Performance Foundation

2.1 Foundation: _____
 2.2 Foundation: _____

3. High Performance Insulation

3.1 Insulation: _____
 3.2 Insulation: _____
 3.3 Insulation: _____

4. High Performance Windows

4.1 Window: _____
 4.2 Window: _____
 4.3 Window: _____
 4.4 Window: _____
 4.5 Window: _____
 4.6 Window: _____
 4.7 Window: _____
 4.8 Window: _____
 4.9 Window: _____
 4.10 Window: _____

Rater Name: _____ Date of Review: _____
 Rater Signature: _____ Rater Company Name: _____

Revised 10/18/2019 Page 1 of 6

National Rater Field Checklist

ENERGY STAR Multifamily New Construction, Version 1 / 1.1 / 1.2 (Rev. 01)

Project Name: _____ Number of Units: _____ Permit Date: _____
 Project Address: _____ City: _____ State: _____

1. General Information

1.1 Project Name: _____
 1.2 Project Address: _____
 1.3 Project City: _____
 1.4 Project State: _____

2. High Performance Foundation

2.1 Foundation: _____
 2.2 Foundation: _____

3. High Performance Insulation

3.1 Insulation: _____
 3.2 Insulation: _____
 3.3 Insulation: _____

4. High Performance Windows

4.1 Window: _____
 4.2 Window: _____
 4.3 Window: _____
 4.4 Window: _____
 4.5 Window: _____
 4.6 Window: _____
 4.7 Window: _____
 4.8 Window: _____
 4.9 Window: _____
 4.10 Window: _____

Rater Name: _____ Date of Review: _____
 Rater Signature: _____ Rater Company Name: _____

Revised 10/18/2019 Page 1 of 12

National HVAC Design Report

ENERGY STAR Multifamily New Construction, Version 1 / 1.1 / 1.2 (Rev. 01)

HVAC Design Report Responsibilities:

- Complete the National HVAC Design Report for each building project, which includes system design for all unique unit plans and common spaces.
- Obtain necessary permits in a timely manner, including permits from the builder, architect, or Rater.
- Provide the completed National HVAC Design Report to the Rater and the permit authority completing the National HVAC Functional Testing Checklist.

5. Design Overview

5.1 Design Name: _____
 5.2 Design Company: _____
 5.3 Design Date: _____
 5.4 Design Address: _____

6a. Dwelling Unit & Common Space Mechanical Ventilation Design

6.1 Mechanical Ventilation: _____
 6.2 Mechanical Ventilation: _____
 6.3 Mechanical Ventilation: _____
 6.4 Mechanical Ventilation: _____

6b. Mechanical Ventilation System

6.5 Mechanical Ventilation: _____
 6.6 Mechanical Ventilation: _____
 6.7 Mechanical Ventilation: _____
 6.8 Mechanical Ventilation: _____

6c. Mechanical Ventilation System

6.9 Mechanical Ventilation: _____
 6.10 Mechanical Ventilation: _____
 6.11 Mechanical Ventilation: _____
 6.12 Mechanical Ventilation: _____

Rater Name: _____ Date of Review: _____
 Rater Signature: _____ Rater Company Name: _____

Revised 10/18/2019 Page 1 of 12

National HVAC Functional Testing Checklist

ENERGY STAR Multifamily New Construction, Version 1 / 1.1 / 1.2 (Rev. 01)

HVAC Functional Testing Agent Responsibilities:

- The solely performing Functional Testing, the Functional Testing Agent ("FT Agent"), must be a contractor completed by an HVAC Quality Installation, Testing and Oversight organization (HQ-IT/O), or must hold an agreement certificate, as listed at www.energystar.com/energy, or must be a representative of the Original Equipment Manufacturer (OEM) to complete this checklist.
- Functional Testing checklists must be completed and signed by the FT Agent. An FT Agent is permitted to complete just the specific sections of this checklist that pertain to their area of expertise. However, all applicable sections must be completed by an FT Agent, which may result in multiple checklists signed by multiple FT Agents. FT Agents shall only sign checklists that contain items that they have verified. An FT Agent may conduct the test or inspection themselves, or witness the test or inspection being conducted by the building contractor or other HVAC professional.
- Functional Testing checklists must be completed for all unique unit plans and common spaces. Multiple checklists will be required to document all HVAC systems. All items on the Functional Testing Checklist are required to be verified using a measurement device. Items marked with an asterisk (*) are required to be verified using a measurement device.
- The completed checklist, along with the test or inspection report, must be retained by the FT Agent for quality assurance purposes. Furthermore, if the FT Agent is not a licensed contractor, they shall provide the completed and signed checklist to the builder/contractor and the Rater responsible for verifying the building, prior to the project's final certification. Documentation must provide the checklist upon request.

1. Functional Testing Overview

1.1 Functional Testing: _____
 1.2 Functional Testing: _____
 1.3 Functional Testing: _____
 1.4 Functional Testing: _____

2. Mechanical Ventilation System

2.1 Mechanical Ventilation: _____
 2.2 Mechanical Ventilation: _____
 2.3 Mechanical Ventilation: _____
 2.4 Mechanical Ventilation: _____

3. Mechanical Ventilation System

3.1 Mechanical Ventilation: _____
 3.2 Mechanical Ventilation: _____
 3.3 Mechanical Ventilation: _____
 3.4 Mechanical Ventilation: _____

Rater Name: _____ Date of Review: _____
 Rater Signature: _____ Rater Company Name: _____

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National Water Management System Requirements

ENERGY STAR Multifamily New Construction, Version 1 / 1.1 / 1.2 (Rev. 01)

Builder / Developer Partner Responsibilities:

- It is the exclusive responsibility of the Partner to ensure that each multifamily building is constructed to meet these requirements.
- While Partners are not required to maintain documentation demonstrating compliance for each multifamily building, Partners are required to develop a process to ensure compliance for each building (e.g., incorporate these requirements into the Scope of Work for relevant sub-contractors, require the site supervisor to inspect each building for these requirements, and/or subcontract the verification of these requirements to a third party).
- In the event that the EPA determines that a certified multifamily building was constructed without meeting these requirements, the building may be de-certified.

1. Water-Managed Site and Foundation

1.1 Foundation: _____
 1.2 Foundation: _____
 1.3 Foundation: _____
 1.4 Foundation: _____

2. Water-Managed Roof Assembly

2.1 Roof Assembly: _____
 2.2 Roof Assembly: _____
 2.3 Roof Assembly: _____
 2.4 Roof Assembly: _____

3. Water-Managed Drain Assembly

3.1 Drain Assembly: _____
 3.2 Drain Assembly: _____
 3.3 Drain Assembly: _____
 3.4 Drain Assembly: _____

Rater Name: _____ Date of Review: _____
 Rater Signature: _____ Rater Company Name: _____

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Multifamily Workbook

This entire spreadsheet is optional for ERO path projects, but it may be useful for project teams looking for alternate tracking options. It is submitted to the MRO initially to document compliance with requirements at Design, and then again after construction is complete. All information provided at Proposed Design enables the MRO to comment on whether the items is designed for compliance. Where information is not provided or is not adequately described at Proposed Design, MRO may at their discretion approve the submitter or request a re-submission. Items required to be completed at Design, are indicated below in the Tab Instructions and/or on each tab.

Introduction: _____
 While the Rater alerts that each requirement is met by checking a box and providing photo documentation, these tabs allow the MRO to verify that the checklist requirements have been met. The Rater alerts that each requirement is met by checking a box and providing photo documentation, these tabs allow the MRO to verify that the checklist requirements have been met. The Rater alerts that each requirement is met by checking a box and providing photo documentation, these tabs allow the MRO to verify that the checklist requirements have been met.

Tab Number	Tab Name	Tab Instructions
	Project Information	Enter general project information in this tab. This information will autopopulate tabs throughout the workbook.
1a	Rater Design Checklist	Use buttons at the top to enter project details. Applicable checklist items will display. Use the Show Footnotes(Hide Footnotes) buttons to display applicable footnotes as needed. View is optimized for 100% Zoom. Must have Rater Verified column completed at Proposed Design submital. This tab is not reviewed during the As-Built submital.
1b	Rater Field Checklist	Use buttons at the top to enter project details. Applicable checklist items will display. Use the Show Footnotes(Hide Footnotes) buttons to display applicable footnotes as needed. View is optimized for 100% Zoom. This tab is only reviewed during the As-Built submital.

Enter data/test results into yellow and orange cells. See instructions on each tab for further details.

Introduction | Project Information | 1a. Rater Design Checklist | 1b. Rater Field Checklist | 2. Unit Testing Results | 3a. Common Area Ventilation | 3b. Central Exhaust Duct Test | 4. Appliances | 5. A

Photo Guidance

ENERGY STAR MULTIFAMILY NEW CONSTRUCTION
 Photo Documentation Guidance Document

1 - APPLIANCES

1.1 Appliances: _____
 1.2 Appliances: _____
 1.3 Appliances: _____
 1.4 Appliances: _____

2 - DHW

2.1 DHW: _____
 2.2 DHW: _____
 2.3 DHW: _____
 2.4 DHW: _____





Multifamily New Construction Program Requirements - Comparison

MFNC Rater Design Review Checklist

What's different from Certified Homes or MFHR?

- PDF Checklist, also available in Excel; one per bldg

Partnership Status (Section 1)

High-Performance Fenestration & Insulation (Sect 2, 3)

- Fenestration & Insulation for dwelling units & common spaces (insulation based on commercial code)

Review of HVAC Design Report (Section 4)

- Collect and review 10 items; also allows HVAC Grading

Additional Construction Document Review (Section 5)

- Optional, covers air-sealing, and other new items

MFNC Rater Field Checklist

What's different from Certified Homes or MFHR?

- PDF Checklist, also available in Excel; one per bldg
- Rater verifies; Builder & LP can verify some items

Thermal Enclosure (Sections 1-4)

- Minimum insulation req'ts for projected balconies, elevated podiums, heated plenums, heated garages
- Fully-aligned Air Barriers & Reduced Thermal Bridging
- Compartmentalization test requirement: 0.30 cfm50/ft² of enclosure area (~6 ACH50 per unit)

MFNC Rater Field Checklist

What's different from Certified Homes or MFHR?

HVAC System & Duct Quality Installation (Section 5-10)

- Bedrooms \geq 150 cfm, pressure balanced (-5 to 5 Pa)
- Added Central Exhaust Duct Leakage test and HVAC Equipment Control & Hydronic Distribution req'ts (similar to code/MFHR requirements)
- DLTO still required for Townhomes; Total DL for others (exempt if in conditioned space with less than 10ft supply)
- Lower leakage allowance if returns are NOT ducted
- Measured ventilation airflows must exceed ASHRAE 62 rates

MFNC Rater Field Checklists (continued)

What's different from Certified Homes or MFHR?

NEW Sections 11-14

- Domestic Hot Water req'ts: heat traps on in-unit storage, inspect R-3 insulation on piping, Rater-measured HW temperature at faucets/showerheads
- Common Area Lighting Power Density Maximums (W/ft^2), efficient fixtures/bulbs (CFL/LED), automatic lighting controls, but no minimum footcandle req't
- Whole Building Energy Data Acquisition Strategy (buildings $> 50,000 \text{ ft}^2$): Lease agreements, utility aggregated data, energy monitors

MFNC HVAC Design Report

What's different from Certified Homes or MFHR?

- HVAC design report per building, not per system
- Design common areas to ASHRAE 62.1 & report common area heating & cooling loads and equipment selection
- Room-by-room load calcs required for Townhomes, but unit-level for other MF
- Verify inputs/ranges on dwelling unit load calcs (ie. internal gains, infiltration)
- HVAC items verified by Rater are on Design Report

MFNC HVAC “Functional Testing” Checklist

What’s different from Certified Homes or MFHR?

- Not ‘Commissioning’it’s ‘Functional Testing’
- FT Agent can be a H-QUITO Credentialed Contractor, OEM representative, Mechanical Engineer (PE), or have a commissioning credential (ie. ASHRAE BCxP, AEE CBCP, NEBB BSC or CxPP)
- **New** Section 5 covers ALL dwelling unit AND common systems, but Rater can verify these items
- **New** Sections 6-9 for central VRF heat pumps, boilers, chillers, pumps (Installing Contractor cannot verify these)

MFNC Water Management System Req'ts

What's different from Certified Homes or MFHR?

- Kept the Water Management System Builder Requirements from Certified Homes program
 - Responsibility of the Builder/Developer, not Rater
 - Applies to the building/project
 - Exemption for capillary break under open or ventilated garage slabs
 - New for MFHR projects

Verifiers and Oversight Organizations

Verification and Oversight

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

Unit Labeling (required)



Building Labeling (optional)

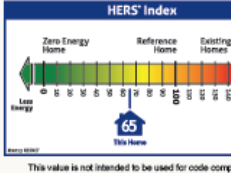


Unit Certificate (required)

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



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: 6 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 underlayment reduce the potential for water entering the home or building.

Management of moisture levels in building materials during or after 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

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 inspection and verification performed by a third-party professional. The Energy Rating Index or HERS Index for this home or apartment is calculated in accordance with ANSI ACCREDITED Standard 305, with any exceptions approved by EPA. Because the version of Standard 305 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 inspection 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 equivalent or better performance. This certificate was printed using REDMAPle - v15.1.1. © 1995-2018 NRES/CO, Boulder, Colorado



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

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: 6 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 underlayment 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

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 inspection and verification performed by a third-party professional. The Energy Rating Index or HERS Index for this home or apartment is calculated in accordance with ANSI ACCREDITED Standard 305, with any exceptions approved by EPA. Because the version of Standard 305 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 inspection 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 equivalent or better performance. This certificate was printed using REDMAPle - v15.1.1. © 1995-2018 NRES/CO, Boulder, Colorado



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

Gamble Towers

on
 10/5/2020



The units in this building are designed, constructed, and independently verified to meet rigorous requirements for energy efficiency set by the U.S. Environmental Protection Agency.

Built by: Hulson LLC Verified by: Passo Projects Oversight by: Residential Energy Services Network





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**.

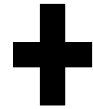
CERTIFY

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



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

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.

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.

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
- ✓ 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.

BUILD

Complete **Construction Verification Documents.**

- ✓ Rater Field Checklist
- ✓ 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

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.

BUILD

Complete **Construction Verification Documents.**

- ✓ Rater Field Checklist
- ✓ 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.

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

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**.

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.

Proposed Design Submittal:

EPA Documents

- ✓ Rater Design Review Checklist
- ✓ HVAC Design Report
- ✓ Multifamily Workbook
- ✓ ASHRAE Calc. (or CA Compliance Report)

Project Documentation

- ✓ Construction Documents
- ✓ Model Input / Output Files

Reference Documents:

- ✓ Rater Field Checklist
- ✓ Water Management System Requirements

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
- Reference: *Rater Field Checklist, Water Mgmt System Requirements*
- ✓ ASHRAE Calc.

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*

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
- Reference: *Rater Field Checklist, Water Mgmt System Requirements*
- ✓ ASHRAE Calc.

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.

As-Built Submittal:

EPA Documents

- ✓ Rater Field Checklist
- ✓ HVAC Functional Testing Checklist
- ✓ Multifamily Workbook
- ✓ ASHRAE Calc. (or CA Compliance Report)

Project Documentation

- ✓ Photo Documentation
- ✓ Model Input / Output Files

Reference Documents:

- ✓ Water Management System Requirements

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**.

Prescr. →

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

Proposed Design Submittal:

EPA Documents

- ✓ Rater Design Review Checklist
- ✓ HVAC Design Report
- ✓ Multifamily Workbook

Project Documentation

- ✓ Construction Documents

Reference Documents:

- ✓ Rater Field Checklist
- ✓ Water Management System Requirements

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.

As-Built Submittal:

EPA Documents

- ✓ Rater Field Checklist
- ✓ HVAC Functional Testing Checklist
- ✓ Multifamily Workbook

Project Documentation

- ✓ Photo Documentation

Reference Documents:

- ✓ Water Management System Requirements

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.



Top Takeaways from Certified Homes Background

ERI Path

1. ERI still a path, it is combined with prescriptive req'ts in common spaces.
2. Oversight is similar to process in Homes. QAD will have a new ENERGY STAR Rater Field QA checklist for MFNC projects and will include a sample of common spaces.
3. New Reference Design used within rating software will result in a different (likely lower, more stringent) ERI Target than Certified Homes.
4. Some different/new mandatory requirements, including common spaces.
5. HVAC Design Report now covers all systems in the building.
6. HVAC "Commissioning" Checklist replaced with HVAC "Functional Testing" Checklist & also covers all systems in the building.
7. Need to identify a Functional Testing Agent that has completed orientation, or use credentialed contractor.

Top Takeaways from Certified Homes Background

ASHRAE / Prescriptive

1. Prescriptive Path and ASHRAE 90.1 paths are now available.
2. Work with an MRO instead of an HCO for QA and oversight.
3. If doing ASHRAE, need the modeler to complete online orientation.
4. Some different/new mandatory requirements, including common spaces.
5. HVAC Design Report now covers all systems in the building.
6. HVAC “Commissioning” Checklist replaced with HVAC “Functional Testing” Checklist & also covers all systems in the building.
7. Need to identify a Functional Testing Agent that has completed orientation, or use credentialed contractor.

Top Takeaways from MFHR Background

1. Still have Prescriptive Path & now two Performance Paths (ASHRAE 90.1 & ERI)
2. For ASHRAE and Prescriptive, still submit to an MRO. There is no Project Application, but some additional files required with submissions.
3. For ERI, QA performed by HCO-approved Provider or similar, but only AFTER project is complete and units uploaded in Registry.
4. “Licensed Professional” not required, instead:
 - Rater (i.e., HERS Rater, Rating Field Inspector, equivalent) required for inspections and testing and they have to take training
 - Credentialed person needed to do Functional Testing and they must complete online orientation
 - For ASHRAE, need the modeler to complete online orientation

Top Takeaways from MFHR Background

5. New PDF checklist format.
6. Items on Rater Design and Rater Field checklist will feel familiar; HVAC Design Report, HVAC Functional Testing Checklist and Water Management System Requirements will have more content that is new.
7. No T&V Worksheets (but Excel-based Multifamily Workbook has some similar info)
8. No Photo Template to complete, but still need to provide MRO or QAD with photo documentation

ENERGY STAR MFNC and other Programs

Enterprise Green Communities, LEED v4 Homes, and LEED v4 Multifamily Mid-Rise

- Allow MFNC in lieu of Certified Homes or MFHR

PHIUS+ 2018

- Requires MFNC or Certified Homes, where eligible

DOE Zero Energy Ready Homes & EPA Indoor airPLUS

- Still evaluating if/when they can expand their building eligibility to match MFNC
- DOE Zero Energy Ready Homes must use ERI or Prescriptive Path



Multifamily New Construction Revisions

What is a Revision?

- 1 It clarifies
- 2 It simplifies
- 3 It improves

MFNC Versions & Revisions

- Rev. 01 required for projects permitted on or after July 1, 2020
- Rev. 02 available late October, must use Rev. 02 documents for projects permitted on or after July 1, 2021

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, GA, GU, HI, IN, ID, KS, KY, LA, ME, MS, MO, NH, NM, NMI, NC, ND, OH, OK, PR, SC, SD, TN, USVI, UT, VA, WV, WI, WY	07-01-2020	National Version 1	Rev. 01
CA	07-01-2020	California Version 1.2	Rev. 01
CT, DC, DE, FL, IA, IL, MA, MD, MI, MN, MT, NJ, NV, NY, RI, TX, VT	07-01-2020	National Version 1.1	Rev. 01



Multifamily New Construction Program Website

ENERGY STAR MFNC Requirements Pages


SINGLE FAMILY **MULTIFAMILY** MANUFACTURED UNDERGOING GUT REHAB

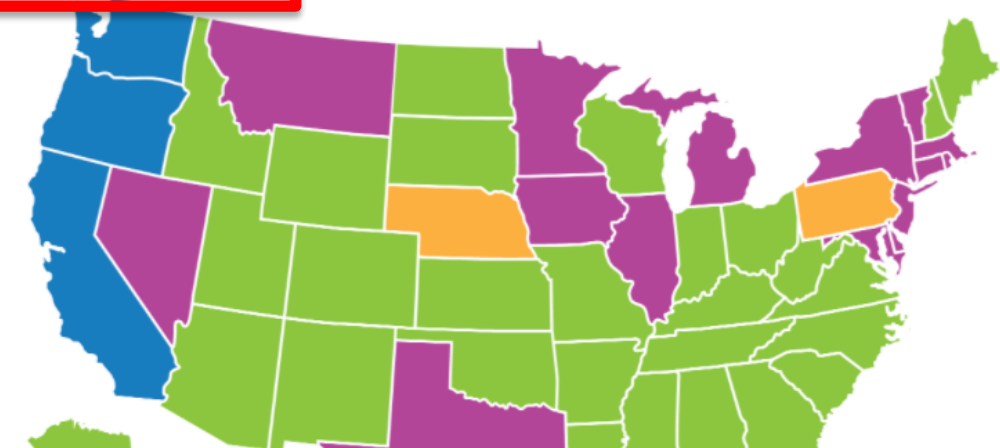
PROGRAM VERSIONS AT A GLANCE

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.

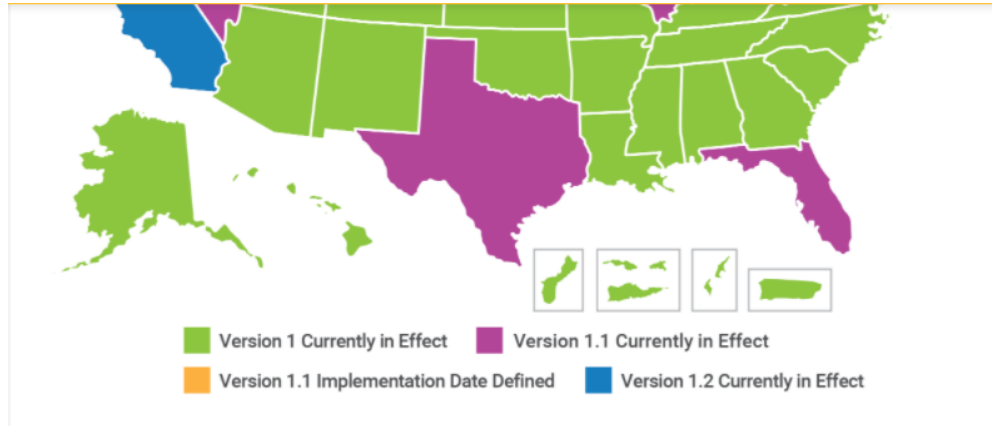
PROGRAM REQUIREMENTS

National Program Requirements
[MFNC National Program Requirements Version 1/1.1/OR-WA 1.2 \(PDF, 490 KB\)](#)

National Mandatory Measures
[MFNC Rater Design Review Checklist \(PDF, 523 KB\)](#)
[MFNC Rater Field Checklist \(PDF, 736 KB\)](#)

www.energystar.gov/mfnc

ENERGY STAR MFNC Requirements Pages



- National Mandatory Measures**
- [MFNC Rater Design Review Checklist \(PDF, 523 KB\)](#)
 - [MFNC Rater Field Checklist \(PDF, 736 KB\)](#)
 - [MFNC HVAC Design Report \(PDF, 415 KB\)](#)
 - [MFNC HVAC Functional Testing Checklist \(PDF, 407 KB\)](#)
 - [MFNC Water Management System Requirements \(PDF, 143 KB\)](#)

- Regional Program Requirements**
- [MFNC California Program Requirements Version 1.2 \(PDF, 387 KB\)](#)
 - [MFNC Caribbean Program Requirements, Version 1](#)

[Download All](#)

IMPLEMENTATION TIMELINE

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 the National Version 1.1 program requirements are being implemented in states that have adopted the residential 2012, 2015, or 2018 IECC, or an equivalent code. Note, as well, that regional program requirements, and associated implementation timelines, have been developed for buildings in CA, OR, 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, GA, GU, HI, IN, ID, KS, KY, LA, ME, MS, MO, NH, NM, NMI, NC, ND, OH, OK, PR, SC, SD, TN, USVI, UT, VA, WV, WI, WY	07-01-2020	National Version 1	Rev. 01

SUPPORTING DOCUMENTS

Verification Files

- [Multifamily Workbook \(EXCEL, 463 KB\)](#)
- [Photo Documentation Guidance \(PDF, 80 KB\)](#)

Example Documents

- [Multifamily Workbook Example \(EXCEL, 461 KB\)](#)

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.

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. Projects in states that have adopted as the commercial code the 2012 IECC, 2015 IECC, 2018 IECC, ASHRAE 90.1-2010, ASHRAE 90.1-2013, ASHRAE 90.1-2016, or equivalent, will be required to meet a Performance Target of 15% better than the energy code under which the building is permitted, unless choosing one of the equivalent options in the table below. All other projects must meet the national requirement of 15% over ASHRAE 90.1-2007.

PROGRAM REQUIREMENTS

National Program Requirements

[MFNC National Program Requirements Version 1/1.1/OR-WA 1.2](#) (PDF, 490 KB)

National Mandatory Measures

[MFNC Rater Design Review Checklist](#) (PDF, 523 KB)

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



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. Projects in states that have adopted as the commercial code the 2012 IECC, 2015 IECC, 2018 IECC, ASHRAE 90.1-2010, ASHRAE 90.1-2013, ASHRAE 90.1-2016, or equivalent, will be required to meet a Performance Target of 15% better than the energy code under which the building is permitted, unless choosing one of the equivalent options in the table below. All other projects must meet the national requirement of 15% over ASHRAE 90.1-2007.

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.

PROGRAM REQUIREMENTS

National Program Requirements

[MFNC National Program Requirements Version 1/1.1/OR-WA 1.2](#) (PDF, 490 KB)

National Mandatory Measures

[MFNC Rater Design Review Checklist](#) (PDF, 523 KB)

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

MFNC Caribbean Program Requirements, Version 1

Multifamily High Rise Program (New Construction) ▶

Manufactured Homes

Homes Undergoing Gut Rehab

Policy Record

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 graphic below illustrates the process that eligible multifamily buildings follow to earn the ENERGY STAR.

Step 1: Join ▶

Step 2: Design ▶

Step 3: Build ▶

Step 4: Certification ▶

Step 5: Marketing and Labeling ▶

ENERGY STAR Partner Pages

Residential New Construction Partner Resources



Sell the Value of Certified Homes

Use a customizable training kit and other marketing resources to prepare sales staff

[START TODAY →](#)

1 2 3

POLICY CHANGES & CLARIFICATIONS

EPA revises program requirements in response to partner questions and evolving standards.

- Feb. 19, 2020: [Current ENERGY STAR Multifamily New Construction Policy Record \(PDF, 646 KB\)](#)
- Nov. 12, 2019: [Current ENERGY STAR Certified Homes Policy Record \(PDF, 788 KB\)](#)

[See more >](#)

PROGRAM REQUIREMENTS



[Access current program requirements.](#)

WORKING WITH ENERGY STAR



[Access resources that support program participation.](#)

MARKETING RESOURCES



[Educate customers about the value of ENERGY STAR.](#)

MY ENERGY STAR ACCOUNT

View and manage information about your organization's ENERGY STAR participation and contacts; access all of your password-protected tools or resources.

My ENERGY STAR Account

username

SIEBERSM

password

EDUCATIONAL RESOURCES

PARTNER LOCATOR

HOME BUYER INFORMATION

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 ▶

Certified Homes Partner Locator

Tools & Resources

Related Programs ▶

Home Buyer Information

Complaints and Certification Review

Working 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](#) and [technical support](#) to both partners and other organizations. 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 about participating with ENERGY STAR, including partnership eligibility and training requirements.



Builders & Developers



Utilities & Other Program Sponsors



Energy Rating Companies

- Raters
- Providers



Other Participants:

- Architects & Designers
- ASHRAE Energy Modelers
- Functional Testing Agents (FTAs)
- Home Appraisers
- Home Builders Associations
- Home Certification Organizations (HCOs)
- Housing Agencies
- HVAC Contractors
- Lenders
- Multifamily Review Organizations (MROs)
- Manufactured Homes Quality Assurance Providers (QAPs)
- Manufactured Homes Retailers
- Real Estate Professionals

Stakeholder Pages - Rater

Residential New Construction
Program Requirements ▶
About the ENERGY STAR Residential New Construction Program
Working with ENERGY STAR ▼
Builders & Developers ▶
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Marketing Resources ▶
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Certified Homes Partner Locator
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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	▶
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Working with ENERGY STAR	▼
Builders & Developers	▶
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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]

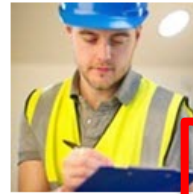
Stakeholder Pages – Functional Testing Agents

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. Include [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

Residential New Construction Partner Resources



Sell the Value of Certified Homes

Use a customizable training kit and other marketing resources to prepare sales staff

[START TODAY →](#)

1 2 3

POLICY CHANGES & CLARIFICATIONS

EPA revises program requirements in response to partner questions and evolving standards.

- Feb. 19, 2020: [Current ENERGY STAR Multifamily New Construction Policy Record \(PDF, 646 KB\)](#)
- Nov. 12, 2019: [Current ENERGY STAR Certified Homes Policy Record \(PDF, 788 KB\)](#)

[See more >](#)

PROGRAM REQUIREMENTS



[Access current program requirements.](#)

WORKING WITH ENERGY STAR



[Access resources that support program participation.](#)

MARKETING RESOURCES



[Educate customers about the value of ENERGY STAR.](#)

MY ENERGY STAR ACCOUNT

View and manage information about your organization's ENERGY STAR participation and contacts; access all of your password-protected tools or resources.

My ENERGY STAR Account

username

SIEBERSM

password

EDUCATIONAL RESOURCES

PARTNER LOCATOR

HOME BUYER INFORMATION

Marketing Materials

commitment to energy efficiency to residents, employees, and the community. Program participants are eligible to order an aluminum building plaque to promote the building's energy-efficient construction.

Multifamily Plaque Templates*

Partners may use these plaques on projects that have earned the ENERGY STAR label to promote their accomplishment and participation with ENERGY STAR.

Designed to Earn Mark*

If the project has earned the Designed to Earn Mark, you may use these marks for their approved design.

SOCIAL MEDIA

ENERGY STAR Homes on Twitter

Follow @ENERGYSTARHomes on Twitter for energy savings tips, ENERGY STAR Certified Homes program updates, and to engage with other program partners.

ENERGY STAR on Facebook

Like the ENERGY STAR Facebook page to stay connected with the program and engage with other companies, organizations, and individuals interested in energy efficiency on a page that is viewed by thousands of Facebook users every day.

ADDITIONAL RESOURCES

Marketing Tools (PDF, 426 KB)

Review this document to learn about many of the free marketing resources available for ENERGY STAR builder partners.

Multifamily Marketing Tools (PDF, 392 KB)

Review this document to learn about additional marketing resources available for ENERGY STAR multifamily builder and developer partners.

Key Resources to Remember (PDF, 372 KB)

Find additional web resources for partners.


*Only available via partners' My ENERGY STAR Account (MESA)

Marketing Materials

ENERGY STAR Multifamily New Construction MARKETING TOOLS



Building and labeling ENERGY STAR certified homes and apartments is only the first step to being a successful ENERGY STAR partner. To extend the value of your partnership, educate prospective buyers and renters about the features and benefits with these resources. All resources detailed below can be found at www.energystar.gov/mesa.

<p>Partner Mark</p> <p>The Partnership Mark helps ENERGY STAR partners communicate their commitment to the ENERGY STAR program and energy efficiency. Use the mark in advertising, on your website, on signage, and in promotional materials to associate your apartments with the nationally recognized and trusted ENERGY STAR program. To ensure you are using the marks correctly, obtain a copy of ENERGY STAR's Brand Book.</p> 	<p>Certified Apartments Brochure & Insert</p> <p>Partners may use the co-brandable, tri-fold brochure and insert to help residents understand the big message behind the little label: better is better. The brochure helps residents learn about the features and benefits of living in any ENERGY STAR certified apartment, while the insert provides additional information on ENERGY STAR Multifamily New Construction program requirements.</p> 
<p>Promotional Mark & Web Buttons</p> <p>The Promotional Mark is used in educational and promotional materials intended to inform others about the benefits of the ENERGY STAR program. Use the Promotional Mark to showcase the energy efficient features of your homes and apartments, such as including a designated "Energy Efficiency" section on your website.</p> <p>The marks are also available as web buttons that can be easily uploaded to your site to promote your ENERGY STAR partnership and allow you to easily link back to the Multifamily New Construction consumer-facing landing page.</p> 	<p>Plaques</p> <p>Buildings that earn the ENERGY STAR can promote their commitment to energy efficiency to residents, employees, and the community. Partners can choose to use a pre-designed plaque or use plaque template files to create their own building plaque to promote the building's energy efficient construction.</p> <p>Ready to Order Plaque: Partners can order aluminum building plaques through an identified vendor.</p> <p>Plaque Templates: Partners can use template plaque files to create their own building plaque.</p> 
<p>Designed to Earn Mark</p> <p>Multifamily new construction projects can achieve Designed to Earn the ENERGY STAR recognition if the design is verified to meet rigorous requirements for energy efficiency set by the U.S. Environmental Protection Agency.</p> <p>Use the mark in promotional materials for approved project designs to showcase your commitment to energy efficiency and high-performance design.</p> 	<p>ENERGY STAR Sales Training Kit (STK) & Selling the Value of ENERGY STAR to Renters</p> <p>The ENERGY STAR Sales Training Kit helps sales agents describe the features and benefits of ENERGY STAR certified homes in a way that aligns with customers' own values. Coming soon, to complement the STK, is an additional resource designed to train leasing staff on highlighting the key features and benefits of renting an ENERGY STAR home or apartment.</p> 
<p>Promotional Language</p> <p>Sample text is provided to help promote your ENERGY STAR certified apartments and partnership to consumers. Simply copy and paste the sample text to your organization's web site. Use this content in combination with our web banners and buttons to take advantage of ENERGY STAR's web linking policy.</p> 	<p>Communicating the Benefits of ENERGY STAR</p> <p>This resource is a collection of ideas for "silent sales signs" that highlight the distinct features of ENERGY STAR certified apartments. It provides examples of display methods and recommended language that can be used in a sales office or model unit to showcase the benefits of ENERGY STAR certification to consumers.</p> 

*The "My ENERGY STAR Account" (MESA) site is password protected. If you don't know your username or password, contact energystarhomes@energystar.gov.

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

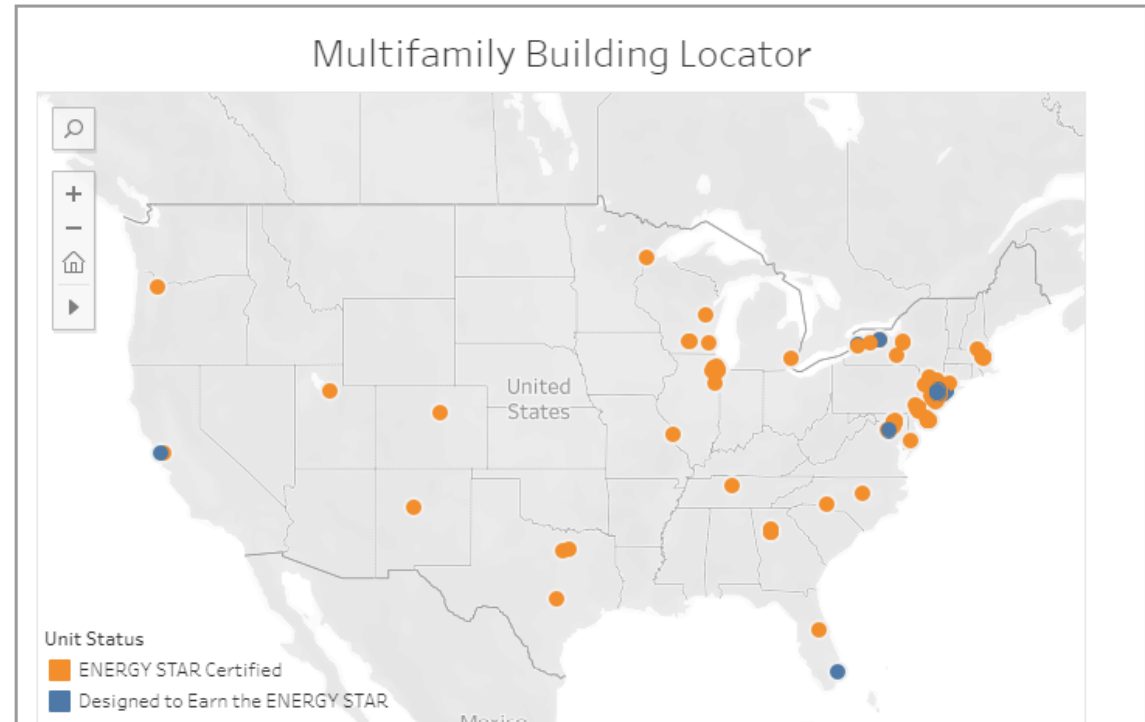
Certified Multifamily Units

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).



FRANKLIN MANOR (PDF, 614 KB)

999 BROAD STREET (PDF, 700 KB)

LINC32 AT ORANGE STATION (PDF, 696 KB)

Resources

- Program Requirements and Policy Record: www.energystar.gov/mfnc
- MFNC required if permitted on or after 7/1/2021. Multifamily buildings permitted prior to July 1, 2021, may continue to certify through the MFHR or Certified Homes program, based on the eligibility requirements of those programs. Projects that will be certified through the MFHR program must submit their MFHR Project Application to a Multifamily Review Organization (MRO) before January 1, 2021.
- Rater Training required for projects certified Jan 2020 +
- Contact energystarhomes@energystar.gov with any questions, for webinar recordings, or to be added to the stakeholder list for multifamily updates

ENERGY STAR Recorded Webinars

- [ENERGY STAR MFNC Multifamily Workbook Tutorial \(6/3/20\)](#)
- [Deep Dive: Technical Details of the ENERGY STAR Multifamily New Construction Program \(3/5/20\)](#)
- [How to Utilize the ENERGY STAR Multifamily New Construction Program \(2/6/20\)](#)
- [Introduction to ENERGY STAR Multifamily New Construction \(12/4/19\)](#)



ENERGY STAR Residential New Construction Partner Meeting Webinar Series

- [ENERGY STAR Residential New Construction Programs: The Year in Review/The Year Ahead](#), EPA's ENERGY STAR Residential New Construction Team
Wednesday, October 28, 2020 at 1:00pm ET
- [ES Multifamily New Construction Revision 02](#), Rebecca Hudson, EPA
Friday, October 30, 2020 at 1:00pm ET
- [HVAC Grading and Standard 310](#), Dean Gamble, EPA
Thursday, November 5, 2020 at 1:00pm
- [Indoor airPLUS Version 2](#), Nick Hurst, EPA
Tuesday, November 10, 2020 at 1:00pm ET
- [ES Certified Homes Revision 11](#), Dean Gamble and Elliot Seibert, EPA
Thursday, November 12, 2020 at 1:00pm ET
- [ES Marketing Materials & Communications for Residential New Construction Partners](#), Marta Montoro, EPA
Tuesday, November 17, 2020 at 1:00pm ET
- [WaterSense Labeled Homes Version 2.0](#), Jonah Schein, EPA
Thursday, November 19, 2020 at 1:00pm ET





Q & A