



# ENERGY STAR<sup>®</sup> Overview & Program Updates

August 20, 2019





# Agenda

- Introduction
- Products
  - Specification Development
    - New! Connected Criteria for Large Loads and Smart Home Energy Management Systems (SHEMS)
    - Proposed Heat Pump Specification Revisions
  - Joint Utility Manufacturer Procurement (JUMP)
    - Next Generation Refrigeration Technologies
  - Emerging Technologies Award
  - Resources and Tools
- Residential
  - Updated Multifamily Program
  - Updated Manufactured Homes Program
  - New Construction Programs: Resources and Tools



## **ENERGY STAR Overview**





75% of households had a high understanding of the ENERGY STAR label



5.5 billion products

28,500 buildings

130 industrial plants

1.6 million homes

Source: The Consortium for Energy Efficiency's report *National Awareness of ENERGY STAR for 2016* <sup>3</sup>



# ENERGY STAR Products



## **ENERGY STAR Residential Certified Products**

Lighting & Fans

- Appliances
- Building Products
- Electronics
- Heating & Cooling Water Heaters
- Pool Pumps

Key product updates to be discussed

- Smart thermostats
- Electric vehicle charging equipment
- Storm Windows
- **Pool Pumps**
- Connectivity
- Large Load
- Smart Home Energy Management Systems (SHEMS)
- Cold Climate Heat Pumps







## **Recent Specifications of Interest**





Table 1: ENERGY STAR Certified Pool Pump Savings Compared to Standard New Pool Pumps

Type of Pool Pump	Annual Savings (\$)	Lifetime Savings (\$)	Payback (years)	
Small In-Ground	\$84	\$415	1.2	
Standard In-Ground	\$310 - <b>\$4</b> 45	\$1,500 - \$2,200	1.2	
Extra Small Above-Ground	\$7	\$30	2.7	
Standard Above-Ground	\$28	\$120	1.0	
Pressure Cleaner Booster	\$13	\$60	3.2	







# Specification Development



## 2019/2020 of New Product Specifications/Scoping

- Elevators
- Energy Battery Storage
- Microwaves
- Miscellaneous Refrigeration
- Portable AC
- Electronics:
  - Wireless Charging
  - Smart Home Energy Management Systems
  - Large Load Connected Criteria

## 2019 Planned Revised Specifications

- Electronics: Audio/Video, Computers (desktops), Displays, Small Network Equipment, Enterprise Storage, Set Top Boxes
- Heating, Ventilating, and Cooling: Central Air Conditioning/Air Source Heat Pumps (Cold Climate Heating), Furnaces (FERS)
- Appliances: Room Air Cleaners, Dehumidifiers, Dishwashers
- Home Envelope: Windows/Doors/Skylights
- Other: Vending Machines

*Green denotes products with final update specifications released in 2019* 



## **ENERGY STAR & Connectivity**



- ENERGY STAR optional criteria leverage the national platform that utilities can rely on and consumers look for, bringing together interested partners and stakeholders
- ENERGY STAR criteria provide consistent definitions and approaches, a consistent set of starter functionality, an emphasis on open standards, test methods for Demand Response (DR) functionality
- ENERGY STAR is a trusted resource that can help consumers find these connected products and identify the benefits they offer



## **Grid Interest in Connected Technologies**

- Energy efficiency continues to be a cost-effective component in the overall electricity supply market
- Effective distributed energy resources (DER) bundles need some loads that can be controlled automatically to
  - reduce energy consumption,
  - shift to another time period, or
  - accept electricity during a time of oversupply





## **ENERGY STAR Connected Criteria**

	Smart Thermostats	Refrigerators & Freezers	Clothes Washers	Clothes Dryers	Room A/C	Dish- washers	Electric Vehicle Supply Equipment	Lighting	Pool Pumps	Commercial Ice Makers (draft)
Energy Consumption Reporting		$\checkmark$	$\checkmark$	✓	✓	$\checkmark$		$\checkmark$	✓	$\checkmark$
Operational Status Reporting		$\checkmark$	$\checkmark$	$\checkmark$	√	$\checkmark$		$\checkmark$	$\checkmark$	$\checkmark$
Remote Management		$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$	~
Demand Response	$\checkmark$	$\checkmark$	✓	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$		$\checkmark$	$\checkmark$
Open Access	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$
DR override by Consumers	✓	$\checkmark$	✓	~	√	$\checkmark$	$\checkmark$		~	$\checkmark$
Connected Capability Not Optional	$\checkmark$									



## **Connected Criteria for Large Load Ongoing Discussions**

- Landscape of home automation and the need for flexible loads has changed, placing increasing value on flexible and controllable loads and the tools needed to achieve them
- EPA is advancing our strategy on connected criteria to serve the evolving market and expanding coverage to linchpin products that have large potential in this space
  - Pool Pumps\*
  - Water Heaters
  - Central A/C
  - Air Source Heat Pumps
  - Electric Vehicle Supply Equipment\*
- EPA released a <u>Connected Criteria Large Load Discussion Guide</u> in February 2019 and <u>responded</u> on July 30, 2019.



## **Smart Home Energy Management System (SHEMS)**

- SHEMS is a combination of devices and services that are designed to work together to deliver occupancy-based optimization of energy use and that meets all the device and service requirements outlined in the eligibility requirement (see next slide). A SHEMS package:
  - Must be marketed as a complete offering but individual devices may be sold separately.
  - May include devices with energy savings or grid services potential beyond what is required for ENERGY STAR certification.
  - May be a subset of a larger home automation platform that provides other services.

Visit the **ENERGY STAR SHEMS website** for the most up to date information on the specification.





## **SHEMS Eligibility Criteria**

1. Required Base Services



## 3. Required Devices



4. Grid Services

2. Additional Platform Capabilities





5. Field Data Reporting





## **ENERGY STAR SHEMS Scope**

## Figure 2: Illustration of SHEMS Package

Minimum device and function requirements are shown inside the red dotted boundary, including at least one ENERGY STAR certified thermostat and two lighting devices, one of which shall be ENERGY STAR certified. Refer to section 4 for detailed information. Persistent occupancy sensing may be a stand-alone additional device or integrated into another required device.





## **Connected Criteria: Specific to Central AC and Heat Pumps**

- Optional Connected recognition has now been proposed for inclusion in the Version 6.0 specification currently under development
- Required functionality for grid services and consumer amenity:
  - Demand Response
  - Energy Reporting
  - Fault Reporting (based on Most Efficient criteria)



## **Connected Criteria: Specific to Central AC and Heat Pumps**

- Communication requirements are intended to harmonize with AHRI 1380 Standard for Demand Response
- Communication allowable via CTA-2045-A or Open ADR protocols
- At least for variable capacity equipment, controllers can be included in product evaluated for connected



## **Connected Criteria: Specific to Central AC and Heat Pumps**



Figure 1. Connected CAC/ASHP System (CCS)



## **Proposed Climate Differentiated ASHP Labeling**

- For Version 6.0, we have proposed ASHP certification marks with the words "Cold Climate" or "Moderate and Hot Climate"
- Manufacturers ensure the correct label is on the correct product, but can sell product anywhere
- Very flexible: programs, contractors, and consumers decide which climate is most appropriate

Moderate and Hot Climate	Cold Climate
SEER, EER, HSPF Criteria	Additional Criteria based on M1 test at 5°F
Higher EER, lower HSPF	Higher HSPF, lower EER



## **Proposed Climate Differentiated ASHP Labeling**

- As we work toward finalizing the specification, we have been seeking feedback from stakeholders on the value of an ENERGY STAR climate-based label
- We want to harmonize with the NEEP requirements, but have an opportunity to add testing rigor to a Cold Climate label
- A new federal test method for CACs and ASHPs will be going into affect in 2023, which includes a 5°F optional test point
- We are looking to:
  - Ensure COP at low temperatures
  - Ensure capacity can be maintained at low temperatures (with minimal electric resistance backup)



## **ENERGY STAR & Innovation**



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## ENERGY STAR Emerging Technologies Award

- Award Winning Technologies for 2019:
  - Air-to-water heat pumps
    - Transfer heat from outside air into a fluid to provide in home heating
  - Room Air Conditioners with Efficient Variable Output
    - Continuously control temperature
- EPA is looking for 2020 nominations over the next year
  - Commercially available, not widely adopted
  - Likely to reduce greenhouse gases



The ENERGY STAR Emerging Technology Award is given to innovative technologies that meet rigorous performance criteria to reduce energy use and lower greenhouse gas emissions, without sacrificing features or functionality



## **Joint Utility Manufacturer Procurement (JUMP)**

- Due to the success of ENERGY STAR and utility consumer rebates, refrigerator energy savings have dwindled to the point where:
  - Rebates, in terms of dollars, have decreased and are not as effective
  - Utilities have trouble claiming enough energy savings and some are looking for other ways to incentivize replacement programs
- Market transformation (MT) is evolving as viable program model to advance energy efficiency However, MT programs typically require long-term investments to achieve significant savings.
- To invigorate the ENERGY STAR brand, JUMP is the short-term energy savings opportunities that fit both Resource Acquisition (RA) and MT program designs
  - Focus on next-generation refrigerator models with significant per unit incremental energy savings – JUMP START



# **JUMP Start**

- Identify appliance manufacturers that have "next-generation" refrigerators that use 40% less energy than the US DOE Standard by Fall 2019
  - Support the manufacturer(s) with market entry (e.g. matchmaking, market intelligence, etc.)—value proposition
- Recruit utilities
  - Exploring low-income
  - Traditional consumer rebates
  - Online Marketplaces
- Timeline
  - Summer 2019: Inform program sponsors of available technologies
  - Fall 2019/ENERGY STAR Products Partner Meeting: Connect manufacturers with product in market to interested utilities



## **Current Status and Activities**

- Reaching out to utilities to determine interest and best opportunities
- Initial interest from several manufacturers
- Beko is farthest along, with new designs using:
  - R600A refrigerant (a refrigerant with low global warming potential)
  - Electronics with mechanical valve technology for cold air distribution in up to three separate cooling zones, single compressor
  - Electromechanical valve technology coupled with sensors to move air at any compartment at any desired time and velocity thanks to the use of high capacity inverter compressors
  - Utilizing sensor technology to adopt household habits and using machine learning sensor electronics to direct the cold air at any time to wherever is needed
  - Current Models (Spring 2019):
    - 24" bottom mount, meets ENERGY STAR Most Efficient 2019 criteria. Most efficient in its class in the US, 294 kWh/yr for 10.3 cu-ft, R600A refrigerant
  - Coming Fall 2019 (Beko claims):
    - 28" top mount, meets ENERGY STAR Most Efficient 2019 criteria. Most efficient top mount in the US, 320KWh/yr for 13.8 cu-ft. (no icemaker)
    - Beko will share more at the ENERGY STAR Products Partner Meeting



## **ENERGY STAR Specification Search Tool**

- Search for product specification requirements
- Find information on the specification version and effective date
- Identify new specifications under development



## energystar.gov/specifications

## ENERGY STAR. The simple choice for energy efficiency.



	Lear 9773 ENERGY STAR	About ENERGY STAR	Product Finder	Home Help   <b>f Ƴ</b>	X C Sign In			
ENERGY STAR Cer Certified models meet	tified Dehumidifiers all ENERGY STAR requirements as listed in the	e Version 4.0 ENERGY STAR →		Manage Mor	e Views Filter Visualize Ex	Find in this Dataset		
ENERGY STAR Uniq	For Dobumidifiors that are effective as of Ostober ENERGY STAR Partner	Brand Name	Model Name					
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2,286,689	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN50BA-A3I		OTAD Cartified	Hele Martin		
2,299,719	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN50BA-A3I					
2,307,949	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN50BA-A3I		lies Diyers			
2,282,142	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN60AN-A3	ENERGY ST deliver supe	AR certified clothes dryers erior efficiency and performance	SAVENOW		
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2,301,373	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN70AP-A3	Filter Your Results				
2,301,374	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN70AP-A3	Q, filter by keyword	Miele - TWF160 WP		Compare	
2,293,050	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN70AS-A3E	Price®	Drum Capacity (cu-ft): 4.1 Type: Electric	Combined Energy Factor (CEF) Estimated Annual Energy Use	: 6.37 (kWh/yr): 133	
2,293,051	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN70AS-A3E	Q low to high	Paired ENERGY STAR Clothes Washer	Available: Yes		
2,299,725	Gree Electric Appliances Inc. of Zhuhai	GREE	GDN70AS-A3E	Under \$500 (0)	\$1,499.00		CLICK FOR PRODUCT DETAILS	
ENER	RGV STAR F	Product		<ul> <li>\$700-\$999 (0)</li> <li>\$1000-\$1249 (0)</li> <li>\$1249-\$1499 (0)</li> <li>\$1249-\$1499 (0)</li> <li>\$1500 and up (0)</li> <li>Price not available€(319)</li> </ul>	Miele - TWB120 WP Drum Capacity (cu-ft): 4.1 Type: Electric Paired ENERGY STAR Clothes Washer	Combined Energy Factor (CEF, Estimated Annual Energy Use Available: <b>No</b>	Compare : 6.37 (kWh/yr): 133	
Finde	Finder is a Consumer			Type® C Electric Clothes Dryer (232) G Gas Clothes Dryer (87) ® Do not filter	CLICK FOR PRODUCT DETAILS			
Shop QP lis Spon	ping tool a st for Progra sors	nd the am		Brand Name@ Amana (1) Asko (1) Beko (2) Blomberg (2) Blomberg (2) Crosley (5) Electrolux (21) * Show more	Clothes Dryers Mail-in Rebate ? CenterPoint Energy   612-399-1 Miele - TWI180 WP	\$75 545	Valid: 01/01/2017 - 12/31/2019 Visit website to learn more	

Drum Capacity (cu-ft)@

Less than 4.4 (20)

Miele - TWI180 WP Drum Capacity (cu-ft): 4.1

Paired ENERGY STAR Clothes Washer Available: Yes

Type: Electric

27

Combined Energy Factor (CEF): 6.37

Estimated Annual Energy Use (kWh/yr): 133



## **Highlighting Connected Functionality for Consumers**



- Qualified product list
  - (3) additional fields, on QPL advanced view
    - *Connects Using:* Wired Ethernet, Wi-Fi, Zigbee, HomePlug Green PHY
    - Communication Standard Application Layer : SEP 1.x, SEP2.x, OpenADR
    - Direct on-premises Openstandard Based Interconnection – Yes/No
- Product finder
  - Product finder would indicate connected Y/N
  - Results of a product finder search include "connects using" (e.g., Wi-Fi)



## **Application Programming Interface (API) Features of Product Finder**

APIs allow program sponsors to develop customized product lists that fit the criteria of their incentive for internal use or to help customers shop for the products eligible for an incentive.

Certified Product Datasets are:

- Updated daily
- Provide filter and export options

## data.energystar.gov

## **ENERGY STAR Certified Product Data Sets and APIs**

## Product Data Sets

In addition to the consumer product finders for ENERGY STAR certified models, EPA maintains 504 related product data sets at data energystar gov that are updated daily. The interface for these data sets allow users to generate a variety of reports, to create accounts for saving and sharing their work and to export data in a variety of different formats. EPA offers a guide on how to analyze these data sets and create data visualizations.

## Product Finder API

Developers can access the information in these data sets via API at

data energystar gov/developers and link to other databases, build apps, and more. More information about updates to data sets and EPA's approach to API versioning is available here.

## Keep Up with Changes

Want to know about changes to the ENERGY STAR data sets and API? Want to connect with other developers who are using the API? Sign up for the, ENERGY STAR Products API Google Group.

### PRODUCTS

#### Appliances

- Dehumidifiers (Finder) (Dataset) (API)
- Residential Clothes Dryers
   (Finder) (Dataset) (API)
   (Finder) (Dataset)
- Residential Clothes Washers (Finder) (Dataset) (API)
- Residential Dishwashers (Finder) (Dataset) (API)
- Residential Freezers (Finder) (Dataset) (API)
- Residential Refrigerators (Finder) (Dataset) (API)
- Room Air Cleaners (Finder) (Dataset) (API)

### **Building Products**

- Roof Products (Finder) (Dataset) (API)
- Windows, Doors, & Skylights 
   (NFRC Directory) Extremation

#### Electronics

- Audio/Video
   (Finder) (Dataset) (API)
- Set-Top Boxes Dat (Finder) (Dataset) (API) (Fin
- Telephones
   (Finder) (Dataset) (API)
- Televisions (Finder) (Dataset) (API)

### Heating & Cooling

- Boilers (Finder) (Dataset) (API)
- Commercial Boilers (Finder) (Dataset) (API)
  - Furnaces (Finder) (Dataset) (API)
  - Geothermal Heat Pumps (Finder) (Dataset) (API)
  - Light Commercial HVAC (Finder) (Dataset) (API)
- Room Air Conditioners
   (Finder) (Dataset) (API)
  - Smart Thermostats (Finder) (Dataset) (API)

## Office Equipment

- Computers (Finder) (Dataset) (API)
- Data Center Storage (Finder) (Dataset) (API)
- Displays (Finder) (Dataset) (API)
- Enterprise Servers (Finder) (Dataset) (API)
- Imaging Equipment (Finder) (Dataset) (API)
- Large Network Equipment (Finder) (Dataset) (API)
- Small Network Equipment (Finder) (Dataset) (API)
- Uninterruptible Power Supplies (Finder) (Dataset) (API)

### Other

- Electric Vehicle Supply Equipment (Finder) (Dataset) (API)
- Lab Grade Refrigerators and Freezers



# **ENERGY STAR Products Partner Meeting September 10-12, 2019 in Charlotte, NC**

- Partners and industry gather to discuss new program initiatives, product specifications or other outreach activities.
- Opportunity to network with others to develop relationships and collaborations to promote ENERGY STAR.
- Register until August 21 at
   <u>www.energystar.gov/partnermeeting</u>



ENERGY STAR® PRODUCTS PARTNER MEETING

Appliances | Electronics | Electric Vehicle Chargers | HVAC | Lighting | Smart Home Energy Management Systems | Smart Thermostats | Water Heaters



# **ENERGY STAR Residential**



## **Residential Sector Opportunities for Energy Efficiency Program Sponsors**

ENERGY STAR offers opportunities to enable and accelerate the deployment and integration of energy efficiency across the residential sector through:

- New Construction Programs
  - ENERGY STAR Certified New Homes
    - Single-family
    - Low- and high-rise multifamily
    - Manufactured









## What is an ENERGY STAR Certified Home or Apartment?











# **How Can Program Sponsors Participate?**

In 2018, 72 utilities nationwide offered incentives for ENERGY STAR home certification:

- Financial
  - Through these utilities offering incentives, there were 15,752 builder companies that participated in the programs in 2018
  - For homebuyers: rebate or utility bill discount
- Non-monetary
  - Technical assistance
  - Marketing support



## **ENERGY STAR Certified Manufactured Homes Program Update**

- The updated Version 2 specification simplifies the program requirements:
  - Removes the performance path option, only the prescriptive path remains
  - Thermal zones are aligned with HUD's zones, previously EPA had its own defined zones
  - Three packages partners can choose from (significant reduction in package options):
    - Electric heat pump package (8.2 HSPF / 14 SEER)
    - High-efficiency furnace package (90-15 AFUE)
    - Envelope-only package (Windows and envelope)
- Available to use now, mandatory starting June 1, 2020

#### ENE Billy Requirements

National Program Requirements ENERGY STAR Certified Manufactured Homes, Version 2

Con standards brane have explain to be certified through the DEEROY STAR Certifical tetraductured shares program Decality and mobility and single when hower and maliferity biologing run or cal wave free UCPCINT CTAR freedom the Manufactured Homes program. But may be registe for certification through other EARING'STAR rese Carvanuation programs. For more information with your certification certification through the EARING'STAR rese Carvanuation programs. For more information

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#### Partnership and Plant Certification Requirements

Manufactured toward plants must meet the following inquinements prior to certifying harves as ENERGY STAR: • Sign as ENERGY STAR Factoristic lighternest, available at www.evergingto.cov/home/Fill.

Bogn on ENERGY'S THY Protecting Agebraics, available of swan and <u>supply controlledors</u>.
 Complete a plant confiltration process through an CPA-secondard Dashy Assumed Provider (DAP). \*A list of recognized DAPs can be found in a way amonghic contribution declandprocess.

If a plant is on-certified by its QAP for any reason, it may no langer produce ENEINGY STAR certified manufactured hones and must immediately coses all use of the ENEINGY STAR name and logo.

#### ENERGY STAR Gerafication Process

- An one-atoms parts must be certified by an ENV-reception CAP to be eligible to produce full-form EDA's certified resultances from the CAP and the STREAM and the CAP and the CAP and the CAP and the CAP and the resultances for the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and be Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairments for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairment for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibit 1 and the Mendady Repairment for All Carefuld Instruments of the CAPSTAT STAHT Reference Design Formes specified in Exhibi
- Plants then recoporate the ENETROY START program requirements into the Design Approval Primary Inspection Approval (DAPIA), approved packages, the plant Duality Control Manual, and the Manufacture's Installation Manual.
- 3. Once centred, partis may produce our leads EXERD'STARLISTER standard, and marks in accordance with the design and instantion providence assemption and may be place centration provides. The standard broadbook instantion of hybrid and instantion providence assemption and marks for unstanting with the DAR-k approved packages and the plant's quartip comparison of parts. (Bind and with the DBRHY TARK Instance as installed in a scordance with the plant's Quartip control (SLC) personality allowed plants in the DBRHY TARK Instance as installed in a scordance with the plant's Quartip Control Manual.
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- Plants matriceport all homes that are confiled as ENERGY STAR to their GAP and ensure that an ENERGY STAR lated is affood offer adjustration the HUE Data. Plants or inside the electric pane cover of the home. Role to each QAP for additual details on Matrice plantments.
- 1. The GAP of procedures with the later or procedured with interested provide full solutions and the procedure watths Facility







## **ENERGY STAR Multifamily New Construction Program**

- The Certified Homes program and the Multifamily High-Rise program have been combined under the ENERGY STAR <u>Multifamily New</u> <u>Construction (MFNC) program</u>
- Three options to achieving the Performance Target (ERI, ASHRAE 90.1, Prescriptive)
  - projects must meet the national requirement of 15% over ASHRAE 90.1- 2007 (with exceptions)
- Adopted the Certified Homes checklist-style for its program documents.





# **ENERGY STAR New Construction Programs: Tools & Resources**

- Marketing Tools
  - Consumer brochures, fact sheets, online content
  - Promotional opportunities (Website listing, awards)
  - Sales training
- Technical and Educational Resources
  - Comprehensive program requirements and documentation
  - Verification guidance
  - Best practices for program design and implementation
  - Webinars and training videos on a variety of technical topics
- Partner Support
  - Technical assistance for builders and Raters
  - Enhanced support for Market Leader Award recipients
  - Networking opportunities (annual stakeholder meeting for partners)







# ENERGY STAR® RaterPRO<sup>™</sup>

- <u>RaterPRO</u> is a free mobile app that helps home energy raters complete on-site inspections for Energy Rating Index ratings and ENERGY STAR certifications
- Paperwork is complete before a rater leaves the inspections
  - ENERGY STAR field checklist is filled out
  - Updates to construction specs are synced to the office
  - Action report sent to building
  - Photos/notes automatically included in job file





# **ENERGY STAR Tools and Resources for Manufactured Homes**

- ENERGY STAR Certified Manufactured Homes Brochure
  - 1-page, quad-fold consumer brochure highlights the features and benefits of an ENERGY STAR certified manufactured home
  - Spanish language version also available
  - Copies of the Brochure can be ordered from the New Homes section of ENERGY STAR's publications web page at <u>www.energystar.gov/publications</u>
- Fact Sheet for Affordable Housing
  - Two-page fact sheet that highlights ENERGY STAR's tools and resources that can be used by affordable housing stakeholders to improve energy efficiency. Greater energy efficiency helps improve resident comfort, reduce operating costs, and decrease greenhouse gas emissions
  - Audience: Architects & Designers, Builders, Community Developers, Home Energy Providers/Raters, Local Governments, Utilities/Program Sponsors





# **ENERGY STAR Residential New Construction Partner Meeting September 11-12, 2019 in Charlotte, NC**



- Partners and industry gather to discuss new program initiatives, program updates or other outreach activities.
- Opportunity to network with others to develop relationships and collaborations to promote ENERGY STAR.
- Register until August 21 at <u>www.energystar.gov/partnermeeting</u>



# **Questions?**

Maureen McNamara Environmental Protection Agency <u>mcnamara.maureen@epa.gov</u> Nora Lovrien Buehler, ICF ENERGY STAR Midwest Regional Account Manager <u>Nora.LovrienBuehler@icf.com</u>

# THANK YOU