

ENERGY STAR®
New Homes

Participation Levels & Incentives Summary

Performance Level ¹	Level 1		Level 2		Level 3		Climate Choice		
	COH	AEP	COH	AEP	COH	AEP	COH	AEP	
Columbia Gas/AEP Ohio	\$450	\$450	\$750	\$750	\$1,000	\$1,000	Custom TBA		
Columbia Gas/Other electric	\$750	N/A	\$1,200	N/A	\$1,600	N/A			
AEP Ohio/All electric	N/A	\$750	N/A	\$1,200	N/A	\$1,600			
AEP Ohio/Other heat fuel	N/A	\$500	N/A	\$900	N/A	\$1,200			
Multi Single homes	50%								
Multifamily homes	25%								

Level 1 Technical Requirements

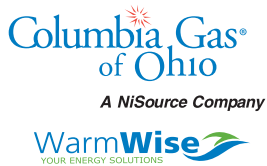
- ENERGY STAR version 2.0 compliant (maximum HERS 85)
- ENERGY STAR Central A/C or Heat Pump (includes ductless mini-splits and packaged units)
- ENERGY STAR Central Heat with minimum 92 AFUE (furnace), 85 AFUE (boiler) or 8.5 HSPF (heat pump). Note: Furnace and heat pump efficiency thresholds are higher than minimum ENERGY STAR
- All supplies and returns fully ducted & mastic sealed OR v3.0 compliant
- HVAC installation compliant with v3.0 HVAC Contractor Checklist page 1, includes:
 - Manual J, S & D
 - Direct or power vented space and domestic hot water heating combustion appliances if located within the pressure boundary
 - ENERGY STAR, ASHRAE 62.2 compliant mechanical ventilation²
- Maximum 5.0 ACH50 building envelope air leakage
- 60% ENERGY STAR bulbs or Advanced Lighting Package compliant

Level 2 Technical Requirements

(differences from Level 1 in **bold**)

- ENERGY STAR version 2.0 compliant **with maximum HERS 65 (HERS 70 for all-electric homes) OR ENERGY STAR version 2.5 compliant (site specific HERS target)**
- ENERGY STAR Central A/C or Heat Pump (includes ductless mini-splits and packaged units)
- ENERGY STAR Central Heat with minimum 92 AFUE (furnace), 85 AFUE (boiler) or 8.5 HSPF (heat pump). Note: Furnace and heat pump efficiency thresholds are higher than minimum ENERGY STAR
- All supplies and returns fully ducted & mastic sealed OR v3.0 compliant
- HVAC installation compliant with v3.0 HVAC Contractor Checklist page 1, includes:
 - Manual J, S & D
 - Direct or power vented space and domestic hot water heating combustion appliances if located within the pressure boundary
 - ENERGY STAR, ASHRAE 62.2 compliant mechanical ventilation²
- Maximum 5.0 ACH50 building envelope air leakage
- **80% ENERGY STAR bulbs or Advanced Lighting Package compliant**
- **All ENERGY STAR appliances if supplied by builder**

Call 1-877-771-5506 or email ESHomesOH@MaGrann.com



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Level 3 Technical Requirements

(differences from Level 2 in **bold**)

- **ENERGY STAR version 3.0 fully compliant, including** site specific HERS target and all checklists and requirements for HVAC installation², envelope and duct tightness
- ENERGY STAR Central A/C or Heat Pump (includes ductless mini-splits and packaged units)
- ENERGY STAR Central Heat with minimum 92 AFUE (furnace), 85 AFUE (boiler) or 8.5 HSPF (heat pump). Note: Furnace and heat pump efficiency thresholds are higher than minimum ENERGY STAR
- 80% ENERGY STAR bulbs or Advanced Lighting Package compliant
- All ENERGY STAR appliances if supplied by builder

Climate Choice Home

A limited number of “near zero energy” demonstration projects will be funded with a customized incentive. Technical requirements will be based on the new ENERGY STAR Concept Home guidelines with a maximum energy rating threshold below HERS 40 prior to the addition of on-site renewable generation, Integrated Design Team approach and post occupancy monitoring. Details to be announced in 2011.

Qualifying Building Types

Homes must be new construction or complete gut rehab meeting one of the following definitions³

Single Family — A structure containing one or two single family dwelling units. Must have a roof, foundation, exposure on at least three sides, and a separate external entrance for each unit. Includes most single homes, twins and duplexes.

Multi-Single Family — A structure containing three or more dwelling units. Each unit has a separate external entrance. Includes most townhomes and garden/patio apartments.

Multifamily — A structure up to three floors above grade or above garage, containing three or more dwelling units that share common external entrance(s). Includes most apartment buildings.

Modular construction requires in-plant and on-site verification compliant with ENERGY STAR guidelines available at http://www.energystar.gov/index.cfm?c=bldrs_lenders_raters.homes_guidelns_modular.

For more information, contact MaGrann Associates, program management contractor for the AEP Ohio/Columbia Gas ENERGY STAR New Homes program by calling 1-877-771-5506 or email ESHomesOH@MaGrann.com.

¹ Each Unit must have individual central space heating or cooling supplied by either AEP Ohio or Columbia Gas of Ohio to be eligible for incentives from the corresponding utility.

² All homes are required to have automatically controlled mechanical ventilation that is ducted to the outside and capable of delivering fresh air in accordance with ASHRAE Standard 62.2-2004 (i.e., the minimum ventilation rate is determined by the following formula: $CFM = (0.01 \times CFA) + (7.5 \times OCC)$, where CFA = Conditioned Floor Area and OCC = number of occupants = number of bedrooms + 1). The following types of systems are acceptable:
- ENERGY STAR qualified exhaust fan systems, including ceiling, wall mounted, or remotely installed in-line fans;
- HVAC integrated systems, only if the air handler has a fan that is run by an electronically controlled or brushless DC motor (“ECM”);
- HRV (Heat Recovery Ventilation) or ERV (Energy Recovery Ventilation) systems.

³ Homes must be registered within 60 days of construction start and no later than 15 days after completion of the pre-drywall inspection (Thermal Bypass/Enclosure Checklist).

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