

## **Indoor airPLUS Version 1 (Rev. 04) Verification Checklist**



Home Address:		City:	State:	Zip:				
Climate Zone (1-6): Radon Zone (1-3):								
Section	Requirements (Refer to full Indoor airPLUS Construction Specifications for details)		Must Correct	Builder Verified	Rater Verified	N/A		
ENERGY STAR V3	Note: The Rev. 04 checklist reflects only the additional Indoor airPLUS requirements and their corresponding section numbers that must be met after completing the ENERGY STAR requirements. ENERGY STAR remains a prerequisite for Indoor airPLUS qualification.							
ENER	ENERGY STAR Version 3 (or 3.1, 3.2) Program Requirements must be followed and the home shall be ENERGY STAR certified in conjunction with Indoor airPLUS qualification.							
	1.1	Drain or sump pump installed in basements and crawlspaces. In EPA Radon Zone 1, check valve also installed.						
		Exception Applied:   Slab-on-grade foundation   Free-draining soils						
	1.2	Layer of aggregate or sand (4 in.) with geotextile matting installed below slabs AND radon techniques used in EPA Radon Zone 1.						
ntrol		Exception Applied: ☐ Slab-on-grade foundation ☐ Free-draining soils ☐ Dry cli	mate					
о со		Basements/crawlspaces insulated, sealed and conditioned.						
Moisture Control	1.4	Exception Applied: \$\Bigcup 100\$-year flood zone \$\Bigcup Marine climate \$\Bigcup Dry cli \$\Bigcup Crawlspace sealed with capillary break and active dehumidification \$\Bigcup Raised	imate d pier foundation with no walls					
~	1.7	Protection from water splash damage if no gutters.						
	1.7	Exception Applied:						
	1.11	Supply piping in exterior walls insulated with pipe wrap.						
	1.11	Exception Applied:	cavity					
	1.14	Hard-surface flooring in kitchens, baths, entry, laundry, and utility rooms.						
Radon	2.1	Radon-resistant features installed in Radon Zone 1 homes in accordance with Construction Specification 2.1.						
Œ		Exception Applied:						
Pests	3.2	Corrosion-proof rodent/bird screens installed at all openings that cannot be fully sealed. (Not required for clothes dryer vents.)						
	4.1	Equipment selected to keep relative humidity < 60% in "Warm-Humid" climates.						
		Exception Applied:   Climate zones 4-8, 3B, 3C and portions of 3A and 2B						
HVAC Systems	4.2	Duct systems protected from construction debris AND no building cavities used as air supplies or returns.						
AC Sy	4.3	No air-handling equipment or ductwork installed in garage.						
HVA	4.6	Clothes dryers vented to the outdoors or plumbed to a drain according to manufacturer's instructions.						
	4.7	Central forced-air HVAC system(s) have minimum MERV 8 filter AND no ozone generators in home. Temporary filter installed to protect unit from construction dust.						
Combustion Pollutants	5.1	Emissions standards met for fuel-burning and space-heating appliances.						
		Identify appliance type:       □ Masonry heater       □ Factory-built wood-burning fireplace       □ Wood stove       □ Pellet stove         □ Natural gas/propane fireplace						
		Appliance model name/number:						
	5.2	CO alarms installed in each sleeping zone (e.g., common hallway) according to NFPA 720.						
	5.3	Multifamily buildings: Smoking restrictions implemented AND ETS transfer pathways minimized.						
		Attached garages: Door closer installed on all connecting doors.						
	5.4	Attached garages: In homes with exhaust-only whole-house ventilation EITHER  ☐ 70 cfm exhaust fan installed in garage OR  ☐ Pressure test conducted to verify the effectiveness of the garage-to-house air barrier.						

Materials	6.1	All composite wood products certified low-emission. See	spec.				
	6.2	Interior paints and finishes certified low-emission. See spec.					
	6.3	Carpet, carpet adhesives, and carpet cushion certified low-emission. See spec.					
Final	7.1	HVAC system and ductwork verified to be dry and clean AND new filter installed.					
	7.2	Home ventilated before occupancy.					
	7.3	Equipment manuals, Indoor airPLUS label, and certificate provided for owner/occupant.					
Rater Company:			Builder Company:				
Rater Sig	nature:	Date:	Builder Signature:	Date:			

## **Guidance for Completing the Indoor airPLUS Verification Checklist:**

- Only ENERGY STAR certified homes verified to comply with these specifications can earn the Indoor airPLUS label. See Indoor airPLUS Construction Specifications for full descriptions of the requirements, terms, exceptions, abbreviations, references and climate map used in this checklist. Verification is not complete until this checklist is completed in full and signed.
  - Note: ENERGY STAR footnotes and exceptions will always be utilized unless otherwise noted in the Indoor airPLUS Construction Specifications. In some cases, Indoor airPLUS modifies or excludes certain ENERGY STAR exceptions or alternate pathways.
- Check one box per line. Check "N/A" for specifications that do not apply for specific conditions (e.g., climate) according to the exceptions described in the Indoor airPLUS Construction Specifications. Check either "Builder Verified" or "Rater Verified" for all other items to indicate who verified each item. Items may be verified visually on site during construction, by reviewing photographs taken during construction, by checking documentation, or through equivalent methods as appropriate.
- The Rater who conducted the verification, or a responsible party from the Rater's company, must sign the completed verification checklist. The builder must also sign the checklist if any items in the "Builder Verified" column are checked, and by so doing accepts full responsibility for verifying that those items meet Indoor airPLUS requirements.
- The Rater shall retain the rating documentation, all required ENERGY STAR Certified Homes documentation, and the Indoor airPLUS Verification Checklist for the home for a minimum of 2 years from final verification. The Rater shall coordinate with the Provider and/or builder to provide an Indoor airPLUS label and certificate for each qualified home.
- Raters who operate under a Sampling Provider are permitted to use a RESNET-approved sampling protocol for Indoor airPLUS homes located outside California, and a sampling protocol approved by the California Energy Commission for homes located in California, to verify any item designated "Rater Verified." For example, if the approved sampling protocol requires rating one in seven homes, then the checklist will be completed for the one home that was rated. Only Raters are permitted to use sampling. All items verified by the builder shall be verified for each qualified home or unit within a multifamily building. For example, if a Rater verifies 10 items on the Indoor airPLUS Checklist and the builder verifies the remaining checklist items, then an approved sampling protocol is permitted to be used only on the 10 Rater-verified items.

However, the builder may provide the Rater with a single signed copy of the checklist for an entire building or group of units with builderverified items under the condition that all units within the building or group utilize: 1) the same HVAC system type (i.e. ductless mini-split, forced air, hydronic); 2) the same combustion appliances and combustion pollutant controls; and 3) the same low-emission materials certification/standard for all products (within their respective categories) verified in Section 6 of the Indoor airPLUS Construction Specifications. If there are no builder-verified items, the Rater may also utilize one checklist per group of units if the above criteria are met. Groups of units with any of the following conditions will require a separate and unique checklist to be completed and signed by the Rater and builder:

- Any units with differing HVAC system type (i.e., ductless mini-split, forced air, hydronic);
- Any units with differing combustion appliance types (e.g., masonry heater, pellet stove, wood-burning fireplace) stove, factory-built, etc.) or combustion pollutant controls; or Any units/groups with low-emission materials or finishes addressed in Section 6 that are compliant based on different certifications/standards within their product category.
- Exception: Builders and Raters may use a single checklist for units utilizing low-emission materials certified to different labels or standards, provided that documentation of the certifications for those materials are retained by the builder and available for inspection upon request.

For further information on the Indoor airPLUS program, visit www.epa.gov/indoorairplus

