

IHDA SUSTAINABLE DESIGN CHECKLIST

Below represents a list of sustainable strategies enabling points to be awarded within the competitive round. Points may be achieved by either selecting a sustain certification, or by selecting items other than IHDA requirements as outlined in the Standards for Architectural Planning and Construction. If a sponsor elects to achieve building certification no additional items shall be selected, and the full 3 points shall be awarded to the application.

If a sponsor is not certifying their project, they may select items to provide within the project to receive the desired points level (1, 2 or 3 points). All items checked will be verified when the project is submitted for plan review and approval. All items to be included shall be selected by adding an 'X' in the 'Additional Item' column.

Items identified with an 'X' in the left column represent requirements by the Standards for Architectural Planning and Construction. Materials/products included within the project's scope of work related to these descriptions must meet with IHDA requirements. If the element being described is not contained within the project scope the 'X' may be removed from the checklist prior to submission of the application.

IHDA Standard Required for All Projects	Additional item	Description
<b>Achieve a total of 3 points in the application by certifying to one of the following certification standards</b>		
		Minimum LEED for Homes Silver or other LEED NC certification level
		Enterprise Green Communities Certification
		NAHB National Green Building Standard Certification
		Passive House Institute of the United States (PHIUS) Passive House Certification, or another pre-approved Net-Zero Capable certification
<b>Achieve up to 3 points in the application by selecting items from the list below (not applicable if any of the above criteria are selected)</b>		
		If 0-2 additional elements, <b>0 points in the application</b>
		Minimum 3 additional elements, <b>1 point in the application</b>
		If 5-7 additional elements, <b>2 points in the application</b>
		10 or more additional elements, <b>3 points in the application</b>
<b>1 - Landscape/Hardscape Improvements</b>		
X		<b>1a</b> Provide a landscape plan including only native or regional plantings only. Planting plan shall be provided and certified to by a Landscape Architect to meet this requirement
		<b>1b</b> Installation of an efficient or water reuse irrigation system. System must include separate zones for turf and planting areas, a timer/controller for activation of separate zones and a moisture sensor controller or rain delay controller
		<b>1c</b> Retain, infiltrate and/or harvest the first 1.0 inch of rain falling on the entire site within a 24 hour period. Selected methods must be proven by the project's Civil Engineer with proper calculations
<b>2 - Building Envelope</b>		
X		<b>2a</b> Minimum exterior wall insulation requirements meeting 2015 IECC
		<b>2b</b> Minimum of R-5 continuous insulation for the full building envelope (Must be combined with items 2b and 2c to receive all points selected)
X		<b>2c</b> Window U-Value of .32 in Zone 5, and .35 in Zone 4 per 2015 IECC
		<b>2d</b> Maximum window U-value of .28 (Must be combined with items 2b, 2c and 2e to receive all points selected)
X		<b>2e</b> Roof insulation value equal to 2015 IECC
		<b>2f</b> Minimum roof R-Value equal to R-65
		<b>2g</b> Full perimeter slab insulation equal to R-10 to within 2'-0" of slab edge
		<b>2h</b> Full slab insulation equal to R-5
<b>3 - Plumbing</b>		
		<b>3a</b> Water Sense certified plumbing fixtures in all units and all common areas
X		<b>3b</b> 1.28 GPF water closets
X		<b>3c</b> 0.5 GPF urinals
X		<b>3d</b> 2.0 GPM showerheads
X		<b>3e</b> 2.0 GPM Kitchen faucets
X		<b>3f</b> 1.5 GPM bathroom faucets
		<b>3g</b> Minimum boiler efficiency of 95%
		<b>3h</b> Minimum water heater efficiency of 95%
		<b>3j</b> Solar hot water heating system

4 - Mechanical		
X		4a Code required HVAC system only
		4b 95% Efficient furnace
		4c Minimum SEER 15 for all air conditioners
6 - Electrical		
X		5a Energy Star certified Clothes washer,
X		5b Energy Star certified Refrigerator
		5c Energy Star dishwasher
		5d Energy Star ceiling fans in each unit bedroom and living room
		5e Full Energy Star Lighting Package
		5f Full LED lighting package
		5g Minimum 20% of the total energy load of the building provided by renewable energy source (solar, wind, etc.)
6 - Indoor Air Quality		
		6a No smoking throughout building for full extended use period
		6b Use of low VOC paints, sealants, adhesives, etc. throughout the entire building
		6c Bathroom ventilation fans on a 10 minute continuous timer after switch turned off
		6d Kitchen exhaust directly vented to the exterior
		6e Minimum 80% fresh air mixed into mechanical system
X		6f Minimum blower door testing $\leq$ 5 ACH for representative sample of units on each floor
7 - Design for Resiliency		
		7a Certify no part of the building is considered within a 100 year floodplain including any basement where electrical, mechanical or plumbing equipment is located. If a basement is provided, the above equipment must be located above designated flood level.
		7b A back-up generator is provided for on site, or the electrical system is designed to allow connection of a portable generator, and sized large enough to power critical systems to the building (heat, cooling, lighting meeting code minimum requirements, etc. as needed based on building function).
		TOTAL ADDITIONAL ITEMS BEYOND IHDA STANDARDS