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 sustainable 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 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 releated to these descriptions must meet with IHDA requirements.

IHDA Standard Required for All Projects	Additional item		Description
Achieve a total of 3 points in the application by certifying to one of the following certification standards			
			Minimum LEED for Homes Silver or other LEED NC certification level
			Enterprise Green Communities Certification
			NAHB National Green Building Standard Certification
			Certify as Net-Zero Capable (Enter Selected Pathway Here:_____)
Achieve 3 points in the application by selecting items from the list below (not applicable if any of the above criteria are selected)			
			10 or more additional elements as selected from the list below, **3 points in the application**
1 - Landscape/Hardscape Improvements			
X		1a	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
		1b	**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**
		1c	**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**
2 - Building Envelope			
X		2a	Minimum exterior wall insulation requirements meeting 2015 IECC
		2b	**Minimum of R-5 continuous insulation for the full building envelope (Must be combined with items 4b and 4c to receive all points selected)**
X		2c	Window U-Value of .32 in Zone 5, and .35 in Zone 4 per 2015 IECC
		2d	**Maximum window U-value of .28 (Must be combined with items 2b, 4b and 4c to receive all points selected)**
X		2e	Roof insulation value equal to 2015 IECC
		2f	**Minimum roof R-Value equal to R-65**
		2g	**Full perimeter slab insluation equal to R-10 to within 2'-0" of slab edge**
		2h	**Full slab insulation equal to R-5**
X		2j	Minimum blower door testing </= 5 ACH for representative sample of units on each floor (see standards for unit mix required)
		2k	Full building commissioning completed by certified Commissioning Agent in lieu of required blower door testing
3 - Plumbing			
		3a	**Water Sense certified plumbing fixtures in all units and all common areas**
X		3b	1.28 GPF water closets
X		3c	0.5 GPF urinals
X		3d	2.0 GPM showerheads
X		3e	2.0 GPM Kitchen faucets
X		3f	1.5 GPM bathroom fauctes
		3g	**Minimum boiler efficiency of 95%**
		3h	**Minimum water heater efficiency of 95%**
		3j	**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	Use of low VOC paints, sealants, adhesives, etc. throughout the entire building
		6b	Bathroom ventilation fans on a 10 minute continuous timer after switch turned off
		6c	Kitchen exhaust directly vented to the exterior
		6d	Minimum 80% fresh air mixed into mechanical system
		6e	Active or Passive Radon Mitigation System (check box if required to meet Authority requirements)
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 is sized large enough to power critical systems to the building (heat, cooling, lighting meeting code minimum requirements, etc. as needed based on building function).
	0		TOTAL ADDITIONAL ITEMS BEYOND IHDA STANDARDS