

WATERSENSE v2.0 PRESCRIPTIVE CHECKLIST



Home Innovation
NGBS GREEN CERTIFIED™

Home Innovation offers a streamlined option for NGBS Green certified buildings to earn the EPA's WaterSense label by demonstrating compliance with selected NGBS practices. Dual-certification with WaterSense best equips a builder to highlight the property's overall water efficient design, in addition to the broad green certification achievement.

There are two options for newly-constructed and renovated buildings to demonstrate compliance: (1) Performance & (2) Prescriptive. **This document details the building practices required for the Prescriptive Path.** This path can be pursued by new construction (following the full compliance path, NOT single-family certified) and renovation projects. All references practices are from the 2020 NGBS.

GREEN BUILDING PRACTICES

LEAKS

No leaks are identified.

- Pressure-loss test on all water supplies detects no leaks.
- Free of visible leaks from hot water delivery system.
- Free of visible leaks from toilet(s), as determined through visual assessment and by conducting a dye tablet test in each toilet to ensure the flapper is not leaking.
- Free of visible leaks from bathroom faucets(s).
- Free of visible leaks from showerhead(s).
- Free of visible leaks from bathroom tub faucet(s), i.e., tub spout(s), when showerhead(s) is activated, as determined through visual assessment after showerhead has been activated for one minute.
- Free of visible leaks from kitchen and other sink faucet(s).
- Free of visible leaks from other fixtures or appliances (e.g., clothes washers, dishwashers, hose bibs, irrigation systems) at point of use of connection to water distribution system.

Multifamily Note: sampling permitted per Home Innovation's Alternative Multifamily Verification Protocol.

TOILETS

Toilets are WaterSense labeled.

Confirm the following NGBS practices:

- 802.5.4(2) / 11.802.5.4(2)
- 802.5.4(3) / 11.802.5.4(3)

LAVATORY FAUCETS

Lavatory faucets are WaterSense labeled and have a maximum flow rate of 1.2 gallons per minute (gpm).

Confirm the following NGBS practices:

- 802.5.1(2) / 11.802.5.1(2)
- 802.5.1(5) / 11.802.5.1(5)

Contact us online at www.homeinnovation.com/NGBSGreenContact.

GREEN BUILDING PRACTICES

SHOWERHEADS

Showerheads are WaterSense labeled.

Confirm the following NGBS practices:

- 802.4(1) / 11.802.4(1)

KITCHEN FAUCET

All kitchen faucets have a maximum flow rate of 1.5 gpm.

Confirm the following NGBS practices:

- 802.5.2(2) / 11.802.5.2(2)

APPLIANCES

When installed, clothes washer is ENERGY STAR or equivalent with an Integrated Water Factor of 3.8 or less.

N/A

Confirm the following NGBS practices:

- 802.2(3) / 11.802.2(3)

When installed, dishwasher is ENERGY STAR or equivalent.

N/A

Confirm the following NGBS practices:

- 802.2(1) / 11.802.2(1)
- 703.6.2 / 11.703.6.2 [*Optional – only available when following Prescriptive Path for Energy Efficiency*]

HOT WATER DISTRIBUTION

The maximum volume from the water heater to the termination of the fixture supply at furthest fixture is 64 ounces (0.5 gallon).

Confirm the following NGBS practices:

- 802.1(2) / 11.802.1(2)

IRRIGATION

Spray sprinkler systems: pressure-regulating valve or WaterSense labeled spray sprinkler bodies are installed.

N/A

Confirm the following NGBS practices:

- 802.6.5(1) / 11.802.6.5(1)

Notes:

- This item applies to spray sprinkler irrigation; this does not apply to areas with micro-irrigation or drip irrigation.
- Spray sprinkler body must be WaterSense labeled. An irrigation sprinkler nozzle tested in accordance with ASABE/ICC 802 Landscape Irrigation Sprinkler and Emitter Standard does not satisfy this item. NGBS practice 802.6.2 contributes toward but does not fully satisfy the intent of this practice.

GREEN BUILDING PRACTICES



Smart irrigation controllers are installed and WaterSense labeled.

Confirm the following NGBS practices:

- 802.6.4(1) / 11.802.6.4(1)

N/A

Notes:

- Confirm that the controllers are WaterSense labeled and featured on <https://www.epa.gov/watersense/irrigation-controllers>. It is insufficient to be in accordance with the performance criteria without certifying through EPA.



Irrigation system is designed, installed, and/or audited by an irrigation professional certified through a WaterSense labeled program.

Confirm the following NGBS practices:

- 802.6.1 / 11.802.6.1

N/A

Notes:

- Professional must be certified through a WaterSense labeled program and listed at <https://www.epa.gov/watersense/irrigation-pro>.
- *Exception:* if no certified irrigation professionals are accepting new work in the city, county, or metropolitan area where the building is located, this requirement can be satisfied with an audit conducted by a non-certified irrigation professional using the *ASABE S636 Landscape Irrigation System Uniformity and Application Rate Testing Protocol* to complete the irrigation audit. Use of this exemption must be documented and retained with the verifier's records.

ADDITIONAL PRACTICES FOR MULTIFAMILY



Implement additional efficiency for toilets, showerheads, or hot water distribution systems.

OPTION A: All installed toilets have a maximum flush volume of 1.1 gpf.

Confirm the following NGBS practice:

- 802.5.4(4a) / 11.802.5.4(4a)

Notes:

- WaterSense compliance requires higher efficiency (1.1 gpf) than the included NGBS practices (1.2 gpf).

OPTION B: Showerheads have a maximum flow rate of 1.8 gpm.

Confirm the following NGBS practice:

- 802.4(2a) / 11.802.4(2a)

OPTION C: A central hot water recirculation system is implemented in multifamily buildings in which the hot water line distance from the recirculating loop to the engineered parallel piping system (i.e., manifold system) is less than 30 ft. (9,144 mm) and the parallel piping to the fixture fittings contains a maximum of 64 ounces (0.5 gallons).

Confirm the following NGBS practice:

- 802.1(5) / 11.802.1(5)