

## Plumbing Contractor Best Practices Checklist

As a contractor on this project, you are expected to implement mandatory and project selected optional best practices identified in the [Iowa Green Streets Criteria](#). The numbers in parenthesis below identify the applicable Green Streets criterion.

Here are **some** key strategies and best practices likely to be implemented by the plumber for this project. These strategies may not be all inclusive for this project as strategies are dependent on project design. As the plumbing contractor, familiarize yourself with the best practices checklists for all trades including general, HVAC, electrical, civil/site, and HERS Rater. See [Iowa Green Streets Criteria](#) for details. **NOTE:** All items below listed as Appendix M are only required for disaster recovery housing projects.

**Water-Conserving Fixtures (4.1):**

- Toilets: WaterSense-labeled and  $\leq 1.28$  gpf, OR dual-flush toilets, OR pressure-assisted toilets
- Urinals: WaterSense-labeled and  $\leq 0.128$  gpf maximum
- Showerheads: WaterSense-labeled and  $\leq 1.75$  gpm
- Kitchen Faucets:  $\leq 2.0$  gpm
- Lavatory Faucets: WaterSense-labeled and  $\leq 1.5$  gpm
- Static Service Pressure:  $\leq 60$  psi (buildings  $\leq 3$  stories)

**Water Heaters (5.1):**

- Install Power Vented or Direct Vent
- Provide adequate drainage including drains or catch pans with drains piped to exterior
- Natural gas  $\leq 55$  gallons - Energy Factor (EF)  $\geq .67$  and Energy Star Qualified
- Natural gas  $> 55$  gallons - (EF)  $\geq .77$  and Energy Star Qualified
- Electric  $\leq 55$  gallons - (EF)  $\geq 2.00$  and Energy Star Qualified
- Electric  $> 55$  gallons - (EF)  $\geq 2.20$  and Energy Star Qualified
- Electric Heat Pump - (EF)  $\geq 2.20$ , work with HVAC contractor on heat pump location
- Gas Instantaneous - (EF)  $\geq .90$  and Energy Star Qualified
- High Capacity Storage - Thermal Efficiency (TE)  $\geq .90$  and Energy Star Qualified

**Bathrooms (Appendix M):**

- Install all comfort height toilets at height of 17 to 19 inches from the floor to the seat top.
- Single-lever water controls at all plumbing fixtures and faucets.
- Mix valve with pressure balancing and hot water limiter to prevent scalding.
- Adjustable height, movable hand-held shower heads in all tubs and showers, in addition to fixed heads, if provided. Single lever diverter valves if needed.
- Offset controls in tub/shower with adjacent clear floor space for easy access from outside tub.

**Kitchens (Appendix M):**

- Single-lever water controls at all plumbing fixtures and faucets

Questions relating to the Green Streets Criteria should be directed to Jeff Geerts, Iowa Economic Development Authority Special Projects Manager, [Jeff.Geerts@iowaeda.com](mailto:Jeff.Geerts@iowaeda.com) or 515.348.6211.

By signing this checklist, I certify I have reviewed the above information and the Iowa Green Streets Criteria and confirm that the project team will incorporate the mandatory criteria into the project.

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Printed Name:

Signature:

Date: