

Electrical 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 electrical contractor for this project. These strategies may not be all inclusive for this project as strategies are dependent on project design. As the electrical contractor, familiarize yourself with the best practices checklists for all trades including general, HVAC, plumbing, 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.

- Thermostat (5.1):** Install a programmable communicating thermostat (Smart Thermostat).
- Photovoltaic / Solar Hot Water Ready (5.3a):** Wire/plumb project for installation or future install.
- All-Electric Ready (5.5a):** For Disaster Recovery housing projects provide electric service designed and wired for a seamless switch to electricity for the following uses throughout the project: space heating, space cooling, water heating, clothes dryers, equipment for cooking.
- Lighting (5.8):** High-efficient fixtures only. All recessed fixtures Insulation Contact Air-Tight models.
- Access to Broadband – Broadband Ready (2.15a):** Incorporate broadband infrastructure so that when broadband service comes to a community, the property can be easily connected. Include a network of mini-ducts or conduits throughout the building, extending from the expected communications access point to each network termination point in the building. Include: Conduit from the property line (expected broadband access point) to the utility room, conduit from the utility room and leads to expected network termination points in each dwelling unit and common space.
- Entrances (Appendix M):** Install keyless lock and a light focused on lockset, general illumination for night visitors, and/or motion detector controls that turn on light(s) when someone approaches.
- Switches and Controls (Appendix M):**
 - a. Locate light switches above floor, 36" - 44" maximum.
 - b. Install easy-touch rocker or hands-free switches.
 - c. Install electrical outlets, at least 18" minimum height from the floor.
 - d. Place additional electrical outlets for equipment at bed and office desk locations, four-plex boxes each side for computer and electronic equipment as well as personal use equipment.
 - e. Locate electrical panel with top no more than 54" above floor located with a minimum 30" x 48" clear floor space in front.
 - f. Install a programmable communicating thermostat (smart thermostat). Coordinate with HVAC Contractor. Place thermostats at 48" maximum height.
- Home Automation (Appendix M):**
 - a. Occupancy/Motion Sensor Switches: Motion detector light switches in garages, utility spaces, entrances, and basements.
 - b. Safety Features: Audible and visual indicators for doorbell and smoke detectors.
- Garage Door (Appendix M):** Install power overhead door.

Questions relating to the Green Streets Criteria should be directed to Jeff Geerts, Iowa Economic Development Authority Special Projects Manager, 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.

Printed Name:

Signature:

Date: