

## Heating, Ventilation, and Air Conditioning (HVAC) Contractor Checklist

As a contractor on an applicable Iowa Economic Development Authority assisted project, you are expected to implement best practices identified in the [Iowa Green Streets Criteria](#). Here are key HVAC strategies and best practices expected to be implemented in this project. As the HVAC contractor you should also familiarize yourself with the best practices checklists for all other trades including electrical, plumbing, site and general contractor. See sections 5 and 7 of the [Iowa Green Streets Criteria](#) for full details.

- Sizing:** Complete Manuals J, S & D and Properly Size HVAC System
- Verification:** For Residential Spaces: work with third-party HERS Rater to Achieve Required HERS Index. For New and Substantial Rehab Commercial Spaces Exceed ASHRAE 90.1-2013 Appendix G by at least 10 percent. For Moderate Rehab Commercial Spaces: Meet ASHRAE 90.1-2013 Appendix G.
- Heating:** Natural Gas Furnace  $\geq$  95 AFUE, Boiler  $\geq$  90 AFUE
- Air Conditioning:** Electric Forced Air  $\geq$  SEER 16/EER 13, Air-Source Heat Pump (9 HSPF)
- Geothermal Heat Pump:** 18 EER, 4 COP
- Ductwork and Joints:** Seal All with Mastic, for Unconditioned Spaces Duct Leakage Tests  $\leq$  4%
- Thermostat:** Programmable or Smart, Coordinate with Electrician
- Combustion Equipment:** Specify Power-Vented or Direct-Vent
- Ventilation:** Meet ASHRAE 62.2
- Quality Installation:** Implement and Complete ENERGY STAR Certified Homes National HVAC [Commissioning Checklist](#) and Provide to HERS Rater

The Iowa Green Streets Criteria promote public health, energy efficiency, water conservation, smart locations, operational savings and sustainable building practices. Benefits include improved energy performance and comfort, a healthier indoor environment, increased durability of building components, and simplified maintenance requirements that can lead to financial efficiencies for property managers and owners.

The Criteria follows closely the Enterprise Green Communities Criteria used in 22 states and nearly 50,000 homes and apartments. Enterprise's project pipeline includes projects that through implementing a robust integrative design approach met the criteria at no additional cost. In a 2012 study, Enterprise found a median 2% increase to total development cost. The average project achieved lifetime utility savings with a simple payback of 5.59 years.

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.

Full Green Streets Criteria can be accessed at: <https://www.iowaeconomicdevelopment.com/Community/green>