



City of Urbandale
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Electrical Upgrade Requirements

URBANDALE ORDINANCE 2004-07

SECTION 4.0013. Existing Dwelling requirements for upgrades and new services

- The Chief Electrical Inspector may, upon substantial evidence, determine that a complete upgrade and new service is required.
- A new service and complete upgrade is required if the calculated load exceeds the capacity of the existing service.
- An upgrade is required if a new service is installed.

A. Minimum service

The minimum replacement service size is 100 amperes.

B. An upgrade should include the following:

1. Conductors should be protected by the proper size overcurrent devices.
2. Convenience receptacle outlets in the kitchen and basement should be of the grounding type or ground-fault circuit-interrupter-type.
3. Convenience receptacle outlets serving kitchen counter-tops, in the bathroom, on the exterior and accessible from grade, and accessible receptacles in the garage should be provided with ground-fault-circuit-interrupter protection.
4. Every habitable room except the bathroom should be provided with not less than two electric convenience receptacle outlets.
5. Bathrooms should be provided with not less than one convenience receptacle outlet.
6. Laundries should be provided with not less than one convenience receptacle outlet.
7. Every stairway should be provided with a light that is controlled by a switch at the entrance to the stairway.

C. Minimum circuitry

There should be a minimum of two 20-ampere small appliance branch circuits to serve all receptacle outlets including refrigeration equipment in the kitchen, pantry, breakfast room, dining room or similar area of a dwelling unit. Such circuits, whether two or more are used, should have no other outlets except as provided by the National Electrical Code. Adequate circuits should be provided elsewhere to prevent overloads.

All conductors should be adequately secured and protected against physical damage as required in the National Electrical Code.

Required Inspections

- **Rough-In**
If work is to be covered up.
- **Final Inspection**