

SUMMARY: Amends Washoe County Code by repealing certain sections and revising provisions of National Electrical Code.

BILL NO. 800

ORDINANCE NO. 627

AN ORDINANCE AMENDING CHAPTER 100 OF THE WASHOE COUNTY CODE BY REVISING AND ADOPTING PROVISIONS OF THE 1984 NATIONAL ELECTRICAL CODE AND REPEALING OTHER SECTIONS OF THE CODE.

THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF WASHOE DO ORDAIN:

SECTION 1. Section 100.330 of the Washoe County Code is hereby amended to read as follows:

100.330 "National Electrical Code" defined. As used in sections 100.330 to 100.404, inclusive "National Electrical Code" means the 1984 Edition of the National Electrical Code adopted by the National Fire Protection Association.

SECTION 2. The Washoe County Code is amended by adding the provisions set forth as sections 3 to 5, inclusive, of this ordinance.

SECTION 3.

100.377 National Electrical Code section 230-21 amended: Service Entrance Equipment Poles. Section 230-21 is hereby amended to read as follows:

230-21 (a) Service entrance equipment poles. The minimum requirements for all service equipment poles are:

(1) Construction grade, rather than laminated, solid timber poles having a minimum cross-section of 6 inches by 6 inches or a circular pole having a minimum top circumference of 16 inches shall be used and shall be placed 16 feet above grade. Poles shall be installed to a minimum depth of 4 feet into the ground and backfilled with concrete or compacted earth; and

(2) Service poles shall be pressure treated with an approved wood preservation or shall be wood naturally resistant to decay. Service poles may also be constructed solely of metal.

SECTION 4.

100.395 National Electrical Code Section 230-72 amended: Grouping of disconnects. Section 230-72 of the National Electrical Code is hereby amended to read as follows:

230-72. Grouping of Disconnects.

(a) General. The two to six disconnects for each ser-

vice as permitted in section 230-71 shall be grouped. Each disconnect shall be marked to indicate the load served.

Exception No. 1: Services as permitted in section 230-2.

Exception No. 2: One of the two to six service disconnecting means permitted in section 230-71, when used only for a water pump also intended to provide fire protection, shall be permitted to be located remotely from the other disconnecting means.

(b) Additional Service Disconnecting Means. The one or more additional service disconnecting means for fire pumps or for emergency, legally required standby, or optional standby services permitted by section 230-2 shall be installed at a location sufficiently remote from the one to six service disconnecting means for normal service to minimize the possibility of simultaneous interruption of supply.

(c) Location. The method of service disconnection shall be installed on the exterior of the building or structure at a readily accessible location nearest the entry point for the service entrance conductors. If the method of service disconnection and meter are located in a cabinet for aesthetic or architectural reasons, there shall be a sign attached to the cabinet door which reads "Main Disconnect Location."

(d) Access to Occupants. In a multiple-occupancy building, each occupant shall have access to his disconnecting means.

(e) Identification of service disconnects. When the service disconnecting means is inside the structure a shunt trip shall be installed on the outside of the building a minimum of 7 feet above grade with a 12 inch triangle painted with red fluorescent paint. The location of the shut trip shall be determined by the building official.

SECTION 5.

100.399 National Electrical Code Section 250-83 amended: Made and other electrodes. Section 250-83 of the National Electrical Code is hereby amended to read as follows:

250-83. Made and Other Electrodes. No electrode listed in this section may be installed without prior approval from the building and safety division of the department of public works, except as otherwise provided by this section.

Where service entrance equipment is located on a pole installed in compliance with section 230-24, the following grounding methods are solely applicable:

(a) Rod and pipe electrodes, not less than 8 feet in length, consisting of the following material installed in the following manner:

(1) Electrodes of rods of steel or iron shall be a minimum diameter of 5/8ths of 1 inch and shall have the outer surface galvanized or metal-coated for corrosion protection.

(2) Electrode rods of non-ferrous material or their equivalent shall be listed and shall be of a minimum diameter of 1/2 of 1 inch.

(3) Electrodes consisting of not less than 20 feet of bare copper conductor not smaller than No. 4 gauge installed per section 250-81 or coiled within 2 inches from the bottom of a concrete pier which has a minimum size of 2 square feet by 2 feet deep.

(4) Where driven rods are used, they shall be driven to a depth of at least 8 feet below the surface at a point 18 inches away from the service pole. Conduit used to protect the ground electrode conductor shall be physically connected to the electrode with an approved clamp.

(b) When splicing the grounding electrode conductor, two approved splice bolt connections shall be used. Six inches is the minimum overlap of the splice.

SECTION 6. Sections 100.377, 100.379, 100.380, 100.385, 100.387, 100.390, 100.397, 100.400, 100.401, 100.402, 100.4025, 100.403 and 100.404 are hereby repealed.

Proposed on the 25th day of September, 1984.

Proposed by Commissioner/s/ Lillard:


Passed on the 16th day of October, 1984.

Vote:

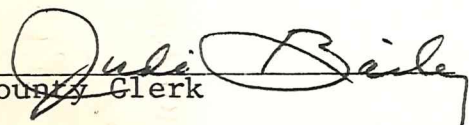
Ayes: Commissioners: Williams, King, Lillard, McDowell

Nays: Commissioners: None

Absent: Commissioners: Ritter


Chairman of the Board

ATTEST:


County Clerk

This ordinance shall be in force and effect from and after the 29th day of October, 1984.