

## PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

Copy for:

RESOLUTION NO. E-959

Orig. and Copy

to Secretary

Director

Numerical File

Alphabetical File

Accounting Officer

R E S O L U T I O N

UTILITIES DIVISION

SECTION: Electric

DATE: June 11, 1957

SUBJECT: Permission to Modify Loading District Limits and Conditions  
Per Rule 43 of General Order No. 95

WHEREAS: DESERT ELECTRIC COOPERATIVE, INC. has by letter dated February 12, 1957, requested permission to build its overhead lines under less severe loading conditions than those specified in General Order No. 95; and

WHEREAS: The company has made a showing to the effect that conditions in the field, equivalent to those prescribed for heavy loading districts are not experienced below 4,500 feet, that an intermediate loading condition is experienced between 4,000 and 4,500 feet, and that a light loading condition is experienced up to 4,000 feet; and

WHEREAS: No lessening of adequate safety will ensue as the result of modifying the provisions of General Order No. 95 so as to meet such field conditions and good cause appearing,

IT IS HEREBY ORDERED that Desert Electric Cooperative, Inc., under the provisions of Rule 43 of General Order No. 95, be granted permission to deviate from Rules 43.1 and 43.2 of General Order No. 95 by using in the design, construction and maintenance, the modified loading district limits and conditions hereinafter specified:

1. Light loading shall apply where the elevation above sea level is 4,000 feet or less. This loading shall be taken as the resultant stresses due to wind, ice and dead weight under the conditions specified in Rules 43.2-A, 43.2-B, and 43.2-C.
2. Intermediate loading shall apply where the elevation above sea level is greater than 4,000, but not greater than 4,500 feet. This loading shall be taken as the resultant stress due to wind, ice and dead weight under the following conditions:
  - A. Wind - A horizontal wind pressure of 4 pounds per square foot of projected area on cylindrical surfaces, and 7 pounds per square foot on flat surfaces shall be assumed.
  - B. Ice - A radial thickness of one-quarter inch of ice, weighing 57 pounds per cubic foot, on all conductors shall be assumed in computing vertical and wind loadings.
  - C. Temperatures - Temperature shall be considered to be 15° F. at the time of maximum loading. The normal temperature for computing erection conditions is 60° F. Maximum temperature

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shall be assumed as 130° F. in computing sag under this condition.

- 3. Heavy loading shall apply where the elevation above sea level exceeds 4,500 feet. This loading shall be taken as resultant stress due to wind, ice and dead weight under the conditions specified in Rules 43.1-A, 43.1-B and 43.1-C.
- 4. The modified loading district limits and conditions shall apply only within the certified service area of the Desert Electric Cooperative, Inc., as established by the Commission's Decision No. 52526, dated January 31, 1956.

The Secretary is directed to cause appropriate notice to be given said utility of the granting of such authorization.

I hereby certify that the foregoing Resolution was duly introduced, passed and adopted at a regular session of the Public Utilities Commission of the State of California, held on the 11th day of June, 1957, the following Commissioners voting favorably thereon:

PETER E. MITCHELL  
RAY E. UNTEREINER  
MATTHEW J. DOOLEY  
REX HARDY  
C. LYN FOX

  
Secretary