

BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

WALLA WALLA COUNTRY CLUB,)
)
) Complainant,) DOCKET UE-143932
)
) v.)
)
PACIFIC POWER & LIGHT)
COMPANY,)
)
) Respondent.)
_____)

EXHIBIT NO.__(DJM-6)
NESC EXCERPT
August 14, 2015

353. Deliberate Separations—Equal to or Greater than 300 mm (12 in) From Underground Structures or Other**A. General**

1. These rules apply to a radial separation of supply and communication cables or conductors from each other and from other underground structures such as sewers, water lines, gas and other fuel lines, building foundations, steam lines, etc., when separation is equal to or greater than 300 mm (12 in).

NOTE: For radial separation less than 300 mm (12 in) see Rule 354.

2. The radial separation should be adequate to permit access to and maintenance of either facility to limit damage to the other.

B. Crossings

1. Where a cable crosses under another underground structure, the structure shall be suitably supported to limit the likelihood of transferring of a detrimental load onto the cable system.
2. Where a cable crosses over another underground structure, the cable shall be suitably supported to limit the likelihood of transferring a detrimental load onto the structure.
3. Adequate support may be provided by installing the facilities with sufficient vertical separation.

C. Parallel Facilities

Where a cable system is to be installed directly over and parallel to another underground structure (or another underground structure installed directly over and parallel to a cable), it may be done providing all parties are in agreement as to the method. Adequate vertical separation shall be maintained to permit access to and maintenance of either facility without damage to the other.

D. Thermal Protection

Cable should be installed with sufficient separation from other underground structures, such as steam or cryogenic lines, to avoid thermal damage to the cable. Where it is not practical to provide adequate clearance, a suitable thermal barrier shall be placed between the two facilities.

354. Random Separation—Separation Less Than 300 mm (12 in) from Underground Structures or Other Cables**A. General**

1. These rules apply to a radial separation of supply and communication cables or conductors from each other and from other underground structures when the radial separation between them will be less than 300 mm (12 in).
2. Radial separation of supply and communications cables or conductors from steam lines, gas, and other fuel lines shall be not less than 300 mm (12 in) and shall meet Rule 353.
3. Supply circuits operating above 300 V to ground or 600 V between conductors shall be so constructed, operated, and maintained that when faulted, they shall be promptly de-energized initially or following subsequent protective device operation (phase-to-ground faults for grounded circuits, phase-to-phase faults for ungrounded circuits).
4. Communication cables and conductors, and supply cables and conductors buried in random separation may be treated as one system when considering separation from other underground structures or facilities.

B. Supply Cables or Conductors

The cables or conductors of a supply circuit and those of another supply circuit may be buried together at the same depth with no deliberate separation between facilities, provided all parties involved are in agreement.

C. Communication Cables or Conductors

The cables or conductors of a communication circuit and those of another communication circuit may be buried together and at the same depth with no deliberate separation between facilities, provided all parties involved are in agreement.