1.   Scope

This standard provides information on determining when and how service and supply conduits need to be internally sealed. Under specific circumstances, conduits shall be internally sealed to prevent gas from entering the company's or the customer's equipment.

2.   Sealing of Conduit Systems

2.1   Per the latest revision of the IEEE NESC Part 3 Section 322, all conduits that enter through an exterior wall, floor, or roof shall have seals inside at that end of the conduit. Additionally, any gaps between the conduit and the wall, floor, or roof that it protrudes from shall be sealed.

2.2   In subdivisions with gas and power joint trench, all conduits shall be sealed.

3.   Conduit Sealing Methods

3.1   When conduit is installed and has been mandrelled, it shall be sealed with conduit sealing caps or expandable plugs. The stock numbers for these are:

Type	Conduit Size	Stock #
Cap	3"	240442
Cap	4"	240444
Plug	4"	240711
Plug	6"	240712

Table 1 - Conduit Plugs & Caps

3.2   If CIC is installed and requires sealing, it shall be sealed with cold shrink covers under 255050.

3.3   When cable is terminated, NV Energy crews shall remove existing plugs, caps, or covers, and install an approved permanent NOFIRNO seal as follows:

    3.3.1   Cable inserts placed around each cable type per the Table 2

Cable Type	Cable Size	Stock #
Primary	1/0	241272
Primary	750	241274
Primary	1000	241274
Secondary/ Service	2/0	241270
Secondary/ Service	4/0	241270
Secondary/ Service	350	241271
Secondary/ Service	500	241271
Secondary/ Service	750	241273

Table 2 - Cable Sleeves

    3.3.2   Use filler sleeves, 241276, to pack the remainder of the conduit leaving a 3/4" gap between the fillers and the end of the conduit.

    3.3.3   NOFIRNO sealant, 241120, used to install a 3/4" seal and pat with a damp cloth.

    3.3.4   NOFIRNO seals can be cut with a hole saw to install additional cable as necessary. A new seal would have to be reapplied around the tampered area.

NVEnergy	**Electric Service Requirements**	**RE-11**
	Conduit Sealing	

Drawn:	Eng:	Appr:	Date:		**Revision: 00**
JR	JR	DA	11/18		**Page 1 of 1**