

# SOUTHERN NEVADA CODE AMENDMENT FORM – 2018

COMMITTEE: NEC

CODE SECTION: 705.31

REVISE AS FOLLOWS:

## **705.31 Location of Overcurrent Protection.**

### **(A) One and two family dwellings**

Overcurrent protection for electric power production source conductors, connected to the supply side of the service disconnecting means in accordance with 705.12(A), shall be located at the point where the electric power production source conductors are connected to the service within the panel board enclosure.

### **(B) Other Occupancies**

Overcurrent protection for electric power production source conductors, connected to the supply side of the service disconnecting means in accordance with 705.12(A), shall be located within 3m (10 ft) of the point where the electric power production source conductors are connected to the service.

Informational Note: This overcurrent protection protects against short-circuit current supplied from the primary source(s) of electricity.

*Exception to (B): Where the overcurrent protection for the power production source is located more than 3 m (10 ft) from the point of connection for the electric power production source to the service, cable limiters or current-limited circuit breakers for each ungrounded conductor shall be installed at the point where the electric power production conductors are connected to the service.*

**JUSTIFICATION:**

To address a safety concern, this change prevents unprotected conductors in one and two family dwellings from leaving the panel board enclosure. Having these conductors leave the panel board unprotected subjects them to the available fault current values from the utility. In the event of a fault, this could result in a fire or death from electrocution.

The required overcurrent protection will ensure compliance with the interrupting rating requirements in 240.4 and 110.9.

**SNBO CRITERITA:** Check all applicable SNBO Criteria that apply to amendment proposal:

A		B		C		D		E		F	X	G		H		I		J	
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**COST IMPACT:**

**Will increase the cost of construction if a panel change out is necessary**

**COMMITTEE ACTION:**

Boulder City	Clark County	Henderson	Las Vegas	Mesquite	Pahrump	North Las Vegas	CC School District	Industry		
								1	2	3
x	X	X	X			X		X	X	X

**RESULT: PASSED**