ARTICLE INTERCONNECTED **705** ELECTRIC POWER PRODUCTION SOURCES

Introduction to Article 705—Interconnected Electric Power Production Sources

Anytime there is more than one source of power supplying a building, safety concerns arise. In cases where a source such as a generator is used strictly for backup power, Articles 700, 701, or 702 require transfer switches and other safety measures to be implemented. When interconnected electrical power production sources, such as wind powered generators, solar PV systems, or fuel cells are connected in parallel with utility power, there is no transfer switch. In fact, there will often be multiple sources of electrical supply connected simultaneously.

Article 705 covers the requirements for the interconnection of electric power sources that operate in parallel with a primary source. The primary source is typically the electric utility power source, but it can be an on-site source.

Part I. General

705.1 Scope

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Scan this QR code for a video of Mike explaining this topic; it's a sample from the videos that accompany this textbook. www.MikeHolt.com/20PVvideos

This article covers the installation of electric power production sources operating in parallel with the primary source of electricity. ►Figure 705–1



▶ Figure 705–1

Note: The primary source of electricity typically includes the electric utility or it can be an on-site power source(s).

Author's Comment:

- Other on-site sources include:
 - Energy storage systems, Article 706.
 - ▶ Fuel cells, Article 692.
 - Generators, Article 445.
 - Solar PV systems, Article 690.
 - Large-scale PV electric power production facilities, Article 691.
 - Storage batteries, Article 480.
 - Wind electric systems, Article 694.