

**Imlah Electrical Consulting 2-24-25**

**Electrical Continuing Education**

**Interconnected Power Systems, Article 705**

**Course Outline, Instructor James Imlah \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Course Description:**

4-hour presentation of interconnected power systems, Article 705, as it relates to electrical installations. The presentation and training will be based on the latest adopted National Electrical Code. The power-point presentation will be submitted for Code Change CEU’s (Continuing Education units).

**Course Objectives:**

* The presentation will provide clarification and understanding the minimum requirements for interconnected electrical systems, as adopted “*National Electrical Code*” (NEC).
* Presentation and discussion of the NEC Grounding and Bonding requirements, Article 250
* NEC articles will reference the following articles: Generators (Article 445), Capacitors (Article 460), Interactive EV Chargers (Article 625), Interactive Inverters-Solar (Article 690), Wind Turbines (Article 694), and Energy Storage Systems (Article 706)
* Training will allow attendees to ask questions and have open discussion of electrical installations for interconnected power systems providing electrical power to structures.

**Class Content:**

* Presentation will cover significant changes in the following Articles and Chapters:
* Article 705 & 750 Interconnected Power Presentation, 2-hours
* Coffee break, 15 minutes
* Article 250 & 705 Grounding and Bonding of Interconnected Power Systems, 1.75-hours

**Materials Required:**

* Current published and latest NEC (NFPA-70) model code.

**Presentation Materials:**

* Program presentation Power Point Slides

**Course Attendees**

This course is designed for all Utah licensed electricians. Additionally, the training is open to others such as engineers, apprentices, trainees or other interested parties.

**Course Documentation**

* Upon competition of the training, 4-hours of CC (Code Change) CEU's will be submitted within 7 working days.
* A sign-in roster will be maintained for 5-years and made available upon request
* Course survey forms will be given to attendees and will be maintained for 5-years and made available upon request.
* Attendees will receive by e-mail or onsite Certificate of Completion for provided training