**Electric Vehicle Infrastructure Training (EVITP)**

**COURSE DESCRIPTION:**

The Electric Vehicle Infrastructure Training Course is an 8hr class designed to inform and teach students on the Introduction of electric vehicles and charging equipment, utilize the 2017 NEC for calculation and proper installation and analysis of single-phase line to load on 3 phase, 4wire wye systems.

**TEXT MATERIALS / REFERENCES:**

2017 Edition of National Electrical Code (NEC)

Power points

Test Question involving class discussion.

**CONTENT / TIME SPENT:**

1. Power Points, handouts, and test questions (Introduction) 2.5 hrs.
2. Power Points, handouts, and test questions (Charging Equipment) 2 hrs.
3. Power Points, handouts, and test questions (2017 NEC) 2 hrs.
4. Handouts and test questions (Analysis of single-phase line to line loads on 3-phase, 4 wire WYE systems) 1.5 hrs.

**LEARNING OBJECTIVES:**

After the students have taken the class, they will be able differentiate the different types of electric vehicles on the road today as well the charging equipment used for operation of the electric vehicles. The utilization of 2017 NEC for proper and safe installation as per code requirements.

**INSTRUCTORS:**

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