

BridgeValley Utility Line Service Program

Electrical Distribution 1 (200 hours)

D-100 Series Training Modules - 26 Modules Includes CDL Class A and Heavy Equipment.

Purpose and Scope: This series will enable students to be of immediate limited assistance as a ground worker and to establish the training foundation upon which he/she, with further instruction and experience, will become a qualified and competent line service mechanic. This series will concentrate on safety, climbing and basic “D” mechanic duties.

D-100 Series Overview

Written for the beginner, D-100 is the entry-level series and seeks to introduce the student to Utility Line Work. The series begins with an overview of the energy delivery system and personal responsibility as in regard to safety and job requirements.

Completion of the series qualifies the student to climb poles using a fall restricting device and to perform a bucket truck rescue.

The series trains the student in the use of and/or assembly of materials, tools, and equipment common to electric utility industry and trains them to perform tasks typically required of entry-level apprentices.

Electrical Distribution 2 (160 hours)*

D-200 Series Training Modules - 26 Modules

*Includes additional 8-week OJT experience as available

Purpose and Scope: This series will concentrate on safety, climbing exercises, and intermediate “D” mechanic duties.

Note: 8 weeks OJT on Earn and Learn, student must complete the D200 series on line and take a D200 proctored final test,

[D-200 Series Overview](#)

After satisfactory completion of D-100, the student returns to begin study of D-200. As in all the series that will follow, the leadoff module is devoted to safety. If safety is indeed priority #1, then safety should be so presented. A review of the student's pole climbing skills follows.

Students are trained to identify circuits and determine the operating voltage. Climbing skills will be enhanced through the modules of install cross arm, install protective devices and brackets associated with a three-phase transformer bank, street light installation, and pole-top rescue.

Groundwork skills are enhanced with training in the setup and operation of industry common powered equipment including bucket trucks, pulling capstans, and various types of hydraulic equipment; training in the preparation, inspection, and/or adjustment of line grounds, crimping tools, etc, and; with training in the work methods required of meter reading, pole handling, and spill response.

Electrical Distribution 3 (160 hours)*

D-300 Series Training Modules (8 Weeks OJT) 21 Modules

*Includes additional 8-week OJT experience as available

PURPOSE AND SCOPE: This series will concentrate on safety, climbing exercises, and advanced "D" mechanic duties.

Note: 8 weeks OJT on Earn and Learn, student must complete the D300 series on line and take a D300 proctored final test,

[D-300 Series Overview](#)

After satisfactory completion of D-200, the student begins study of D-300. This series becomes a little more technical than the two previous sessions. Sections of the D-300 are introduced all through the course. After Safety (includes Dog Bite Prevention) and Pole Climbing, Basic Electricity is presented to allow the students to understand why we

do things the way we do. It then moves to voltage detectors, leading up to installing grounds and why they are installed. Transformer Theory and application, Seven (7) modules deal with secondary, overhead and underground, such as installing services and meters, splicing, fault locating, etc. Patrolling lines for damage comes next, with digger derrick set up and anchor installation following.