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Skills:

- Tools of the trade
- Material Identification
- T&D system overview
- Net Zero Grid overview
- Climbing Techniques
- Rigging (basic)
 - Slings & Chains
 - Making up and using rope blocks (LG & SM)
 - Handline Use
 - Snub rope use
 - Running line use (rope throw)
 - Basic Knots
 - Sagging wire
 - Pulling guys
- Setup & Operation of a Digger Derrick
- Signal Person Training
- Care and use of tools & equipment
- Installing & removing meters (1-phase & 3-phase)
 - 1- phase meter checks
 - Line-side voltage
 - (back-feed)
 - Load and/or phase to ground fault
 - Load-side phase to phase fault
 - 3- phase 3-wire meter checks
 - Line-side voltage
 - (back-feed)
 - Load and/or phase to phase fault to center phase
 - Load-side phase to phase fault to the 2-outside phases
 - 3- phase 4-wire meter checks
 - Line-side voltage
 - (back-feed)
 - Load and/or phase to ground fault
 - Load-side phase to phase fault

- Basic Electricity
- CDL & driver license conformation
- Forklift operation
- Climbing Gear
 - fitting and sizing
 - handling and care
 - inspection and maintenance
 - techniques
- Setting and removing poles
 - Installing ground rod
- Installing and removing anchors and guys
- Line Construction
 - Crossarm Build (single/double)
 - Fused Cutout installation
- Live-line tool use
 - Replacing the fuse in cutout (telescopic stick 30')
 - Operating shotgun stick
 - Operating switch stick
- Basic connections
- Hazardous tools
- Interview and resume
 - Create resume
 - Interview tips for a behavior-based system
 - Mock interview
 - Practice cast test
 - Review basic hiring process
 - Review the basics for physical abilities testing

Safety:

- Qualified electrical worker (1910.269)
- Pole inspection
- Isolate & Isolate
- Grounding principals
 - Vehicles & equipment
 - Transmission & Distribution lines/circuits
 - Grounding cables and mechanical jumpers
- Work zone safety
- Qualified observer
- Fall protection
- Pole top rescue
- Lockout tagout
- Hearing protection
- CPR/First Aid
- Bloodborne pathogens
- Environmental safety
 - Oil spill prevention & cleanup
 - PCB awareness
 - Enclosed & confined spaces
 - Fire & electrical hazards
- Line of fire/ Drop zone
- Call before you Dig (811)
- Radio protocol emergency calling
- DOE Human Performance
- Pre Job-Brief
- Migratory birds
- Ladder
- Cargo and load securement
- Tree trimming and chainsaw use
- Fire extinguisher use (basic)
- General electrical safety
- Excavation planning (trenching and shoring)

Other

- Mobile phone use
 - Load break tool
 - Operation and use
 - Inspection and maintenance
 - Introduction to underground
 - Transformers
 - Basic principles
 - Core types and configurations
 - N - Y-T-windings
 - Voltages
 - Amps
 - Impedance
 - Polarity
 - What determines additive and subtractive
 - How to change relative polarity
 - Efficiency of 1-PH & 3-PH
 - Tap changers
 - Types and sizing
 - Ratios
 - Types of transformers
 - CSP (completely self-protected)
 - SP (self-protected)
 - C (conventional)
 - Polyphase or bank
 - Delta configuration or WYE or both
- Formulas
 - Determine amps 1-PH & 3-PH + (rule of thumb)
 - Determine impedance for banking
 - Determine impedance for low voltage at full load
 - Determine voltage expectation for a wye system
 - Determine ratio output for voltage & for amperage
- Installing and removing 1-phase and 3-phase
- Banking and un-banking
- Introduction to test equipment
- Load and unload poles
- Safety Prevention
 - Insect
 - Animal
 - Poisonous plants
- Housekeeping
- Introduction to bucket truck
- Stretching program introduction
- Career goals
 - Utility
 - Contractor
 - Union
 - Non-union
- Proper clothing and footwear
- Social Media awareness
- T&D overview
- Yard repair and cleanup