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| 1. **What are the installation requirements for the new EVSE?**    1. Estimate new branch circuits required for EVSE    2. Assess the circuit breaker protection requirements for each branch circuits. | |
| **EVSE Installation Requirements:** | **Pro Tips:**   * Each new EVSE must be supplied by a dedicated branch circuit. * Each branch circuit must be protected by a circuit breaker. * A circuit breaker must be rated for not less than 125% of the maximum current draw from the EVSE. * AC Level 1 EVSE are powered by 120 V and require a single-pole circuit breaker. * AC Level 2 EVSE are powered by 208 V or 240 V and require a double-pole circuit breaker. |
| 1. **What major equipment upgrades will be required for the new EVSE?**     1. Consider all possible equipment upgrades required at the facility.    2. Contact the local electric utility and share the potential load increase from EVSE and determine if distribution equipment upgrades are necessary. | |
| **Major Equipment Upgrades** | **Pro Tips:**   * Single-pole circuit breakers require one spare breaker position * Double-pole circuit breakers require two vertically adjacent spare breaker positions. * Larger EVSE installations may require a new service panel and/or a new utility interconnection. * Facilities may be responsible to upgrade distribution transformers when they are owned and operated by the facility. * Electric utility companies may consider service wire or distribution transformer upgrades due to the increase in load. * Typical AC Level 1 power: * Typical AC Level 2 power: |