



**CITY OF RICHLAND  
ENERGY SERVICES DEPARTMENT**

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## **ELECTRICAL COMMERCIAL PLAN REVIEW**

Revised January 21, 2013

The following items pertain to both small and large commercial plan reviews. The following items are required by Energy Services Electrical Engineering Division in order for the Utility to determine the electrical fees and utility design.

### **Required Items to be Provided:**

- Electric Utility Site Plan or Civil Site Plan showing location of electrical service equipment and electrical panels - You may also propose a delivery point or location of the utility transformer and electric meter on your plans. (The Utility may relocate transformer to meet state and national electrical codes but needs to see the location of the service equipment on the plans.)

- Service Delivery voltage to building(s) -The following voltages are available.  
**Check one:**

#### **Overhead Service Delivery :**

- Single Phase, 120/240 volt, 3-wire grounded
- Three Phase, 240/120 volt, 4-wire grounded (special use)
- Three Phase, 208Y/120 volt, 4-wire grounded wye
- Three Phase, 480Y/277 volt, 4-wire grounded wye

#### **Underground Service Delivery:**

- Single Phase, 120/240, 3-wire grounded
- Three Phase, 208Y/120 volt, 4 wire grounded wye
- Three Phase, 480Y/277 volt, 4 wire grounded wye

- Electrical load data either in Panel Schedules, or a list showing heating, air conditioning, lighting and motor loads. Panel Schedules should show equipment sizes, capacities, cable size, Interrupt duty and voltage. Load information from similar-sized facilities located elsewhere may be submitted as an alternative to panel or equipment schedules.
- Electrical one-line diagram or riser diagram showing the serving utility equipment, the service equipment, and all known electrical panels. Service wire size and type are needed.

**Conditional Items: Required for Some Commercial Plan Reviews:**

- Civil Plan showing existing and proposed infrastructure: water, sewer, storm drainage, CATV, phone and gas utility lines, equipment and easements
- Civil Grading Plan
- Civil Landscaping Plan
- Panel shall be tagged with individual addresses. To obtain addressing schematic contact Development Services at (509) 942-7794.

Comments: \_\_\_\_\_

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