



*Arts & Innovation*

Appeal by Dom Betro -  
Electric Connection Fees for  
Grandvillas Senior Housing  
Project  
Staff Presentation

Board of Public Utilities  
Electric Committee  
September 4, 2015

# Overview

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- Appeal process
- Legal issues
- New or upgraded electrical service process
- Applicable electric rules
- Typical project timeframes
- Cost responsibilities
- Grandvillas Apartments, 5938 Grand Avenue

# Appeal Process

- RPU GM interprets rules and rates (Electric Rule “General Provisions”)
- If dispute, RPU Board shall interpret, subject to City Council approval
- Customer appeal - submit appeal letter
- Electric Committee shall hear appeal and make recommendations to RPU Board

# Appeal Process

## (Board Standing Rule 7.A.3)

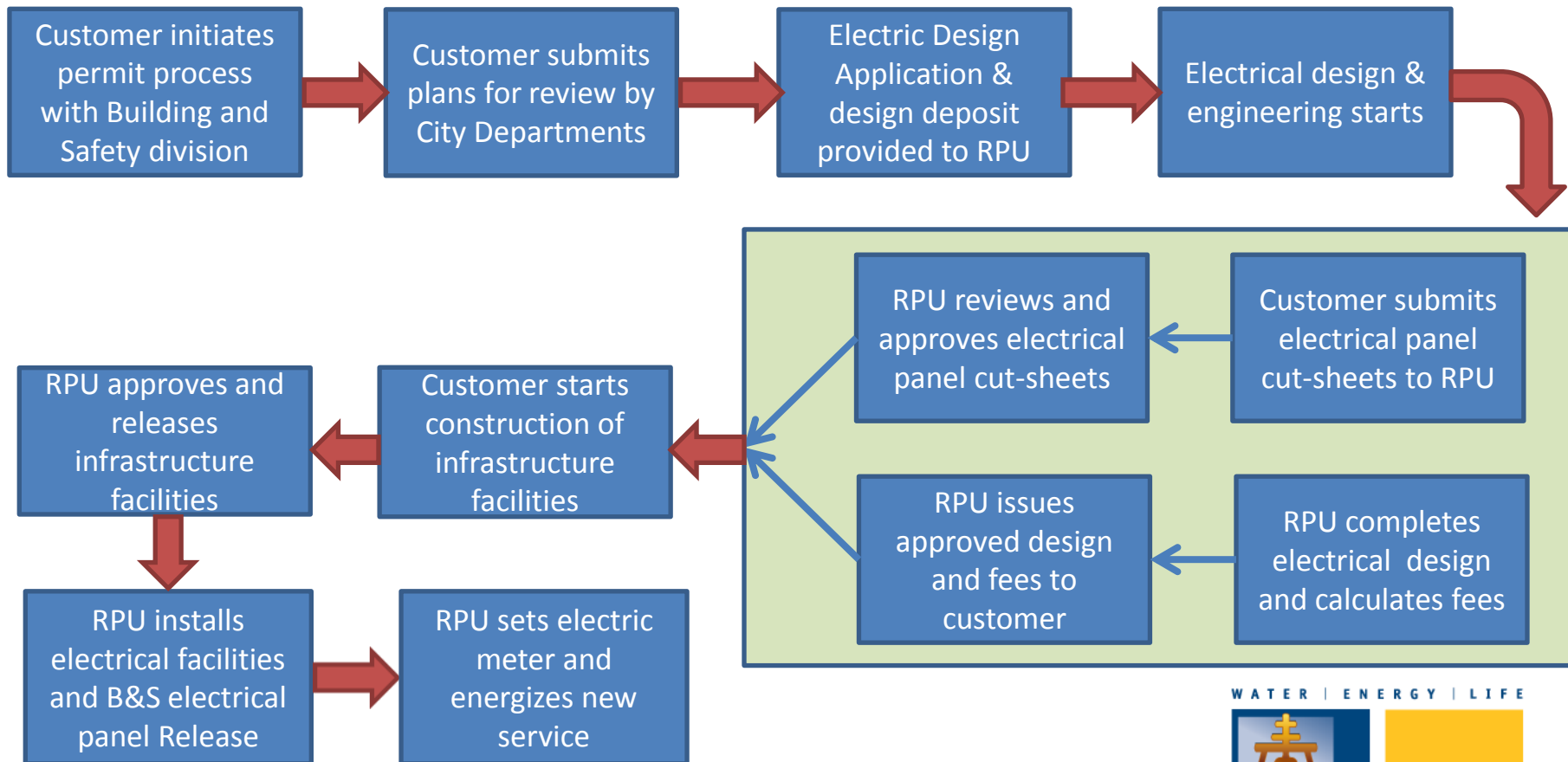
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- Staff presentation, information and reports
- Appellant presentation, comments and information
- Public comments
- Closing statements by appellant
- Closure of public testimony
- RPU Board members, including questions, discussion, motion and action

# Legal Issues

- Prop 26 - Rates must not exceed cost to provide electric service
- Pub. Utilities Code 385
  - Created 2.85% surcharge on customer bill to fund Public Benefits Programs
  - One permitted use of funds is low income assistance
    - Energy efficiency services
    - Rate discounts

# Electrical Service Process Chart



# City Plan Check Process

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- Customer initiates plan check and permit process with Building and Safety
- Customers may submit hard copy plans or ePlans (Online) to Building and Safety
- RPU reviews plans and provides corrections or approves submittal

# Electric Application and Design Deposit


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- Applicant submits application for electric service design:
  - Electrical drawings and single-line
  - City Planning approved site plan
  - Elevation plans, street improvement and grading plans
  - Load schedules
- RPU collects design deposit prior to initiating electric design
- RPU approves or requests additional project information prior to initiating design



# Electric Service Design Application

- Customer submits complete and signed application

 <b>PUBLIC UTILITIES</b>	<b>City of Riverside</b> 3730 University Avenue, 3rd Floor Riverside, CA 92501 (951) 826-5421	<b>APPLICATION FOR ELECTRIC SERVICE DESIGN</b>
<b>Project Address / Tract No/ Etc.:</b> _____		
<b>Project Description:</b> _____		
<small>As applicant, I request that the Public Utilities Department prepare the design and determine the customer service charges for providing electric service to the above addressed project. This application is for the electric service design only and is separate from the Electric Service Application needed to set-up an electric service meter account. I understand that service will be provided in accordance with the current Public Utilities Department Electric Rules and Rate Schedules and the following conditions:</small>		
<ol style="list-style-type: none"><li>1. Customer provided service facilities shall be furnished, installed, and inspected in accordance with design drawings prepared and approved by the Department. Customer facilities not installed, inspected nor approved in accordance with the approved Department drawing will not be accepted.</li><li>2. Copies of approved Department design drawings and the amount of the service charges to be paid will be mailed to the Applicant at the address furnished below. However, in any event, it shall be the responsibility of the applicant to obtain the approved drawing and pay the service charge.</li><li>3. Applicant shall pay all service charges prior to installation of Department furnished facilities.</li></ol>		
<small>The design, size, number, type and location of service facilities to be furnished and installed is dependent upon the electric information sheet and approved architectural plot plan submitted by the Applicant. The Applicant shall notify the Department in writing of any changes, deletions, omissions, additions or revisions to the plan or information submitted that would affect the final design or service charges.</small>		
<small><i>If you have any questions regarding these matters or require further information please feel free to stop by the office or contact our Department Service Representative at (951) 826-5489.</i></small>		
<b>Applicant/Authorized Representative:</b> _____		
<b>Corporate or Applicants name(s):</b> _____		
<b>Title:</b> _____		
<b>Signature Applicant/ Representative:</b> _____ <b>Date:</b> _____ <small>(Person responsible for charges)</small>		
<b>Mailing Address:</b> _____ <small>(For plans and notification of charges)</small>		
<b>Telephone Number and FAX Number:</b> _____		
<b>E-Mail Address:</b> _____		
<b>OFFICE USE ONLY:</b>		
<b>Electric Division Representative Signature:</b> _____ <b>Date:</b> _____		
<small>REVISED 4/23/13 RL</small>		

TODAY'S DATE: \_\_\_\_\_

1. Project Address • Tract • Tract Number • Etc
2. Project Contact Person: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_
3. IN-SERVICE DATE: \_\_\_\_\_
4. INDICATE: New Service \_\_\_\_\_ Temp Service \_\_\_\_\_ Addition \_\_\_\_\_ Revision \_\_\_\_\_  
Other: \_\_\_\_\_
5. COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

120/240V 1-PHASE 3W \_\_\_\_\_ 120/208V 3-PHASE \_\_\_\_\_ 277/480V 3-PHASE 4W \_\_\_\_\_

Other: \_\_\_\_\_

Main Switch Size(s): \_\_\_\_\_

RESIDENTIAL • SINGLE FAMILY • DUPLEXES • APARTMENTS

**Indicate Number and Size of Major Electrical Equipment:**

\_\_\_\_\_ Tons A.C.      \_\_\_\_\_ kW Dryer      \_\_\_\_\_ kW Water Heater  
 \_\_\_\_\_ kW Heater      \_\_\_\_\_ kW Range      \_\_\_\_\_ kW Pool/Spa  
 \_\_\_\_\_ Square Feet / House      \_\_\_\_\_ kW Oven      \_\_\_\_\_ Other

COMMERCIAL / INDUSTRIAL  
(NON-RESIDENTIAL)

Indicate all electric equipment as shown below. Include all lighting, receptacles, air conditioning, motors, welders, manufacturing assemblies, etc. Fully describe the equipment and its intended usage. Also indicate any future equipment and estimated date of installation.

[illegible]

The above information may be shown on a separate sheet or on electrical plans and load schedules and submitted with this form.

As Applicant's Engineer:

Connected Load: \_\_\_\_\_ KW

Estimated Demand: \_\_\_\_\_ KW

## OFFICE USE ONLY:

Expected Estimated Demand: \_\_\_\_\_

Approved by: \_\_\_\_\_

# Electrical Design and Engineering Phase

- Electrical design plans and fees are generated in about 6 to 8 weeks depending on work load and design requirements
- Customer submits new electrical panel cut-sheets for utility review and approval prior to purchase and installation
- New or upgraded electric service fees are due prior to the installation of electric meter and electrical facilities
- Fees cover cost for engineering, inspection, service crew labor and materials
- Transmittal letter is sent to customer with copy of utility plans and fees



# Electrical Panel Cut-sheets Form

## SWITCHBOARD DRAWING MAILING DISTRIBUTION

City of Riverside  
Public Utilities  
3750 University Ave, 3<sup>rd</sup> Fl  
Riverside, CA 92501

DATE: \_\_\_\_\_

For Riverside Public Utilities Use **ONLY**:

PROJECT DESIGNER/PLANNER: _____	AMPACITY: _____
PHONE NUMBER: _____	VOLTAGE CLASS: _____
PROJECT/SUB-PROJECT#: _____	PHASING: _____
CONSTRUCTION W.O. #: _____	PERMIT# _____

### **PROJECT:**

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

### **SWITCHBOARD MANUFACTURER:**

BUSINESS NAME: \_\_\_\_\_  
CONTACT NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
PHONE NUMBER: \_\_\_\_\_

### **ELECTRICAL CONTRACTOR:**

BUSINESS NAME: \_\_\_\_\_  
CONTACT NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
PHONE NUMBER: \_\_\_\_\_  
E-MAIL ADDRESS: \_\_\_\_\_

SENIOR ELECTRICAL ENGINEER: \_\_\_\_\_  
(Approved for distribution)

# Customer Starts Construction

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- Customer installs all trenching, backfill, conduits, vaults, transformer concrete pads, etc., per RPU drawings and standards
- Customer installed underground facilities must be inspected and approved by RPU
- Customer procures and installs new electrical panel per RPU approved cut-sheets

# RPU Inspector Approves Facilities

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- RPU inspector coordinates with customer during all phases of construction
- Inspector ensures all new construction meets RPU standards and requirements
- Inspector acts as liaison between customer and staff for construction issues
- Inspector confirms new electrical panel meets RPU standards and specifications

# RPU and Building & Safety Release

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- RPU inspector releases customer installed underground facilities to electric crews
- Building and Safety Division releases main electrical service panel to RPU
- RPU verifies that applicant has set up electric account with Customer Service
- RPU verifies that applicant has paid all associated electric service fees



# Install Electric Meter and Service

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- RPU electric crews install electrical facilities (e.g., transformer and service conductors)
- RPU installs electric meter and associated equipment based on service size
- RPU electric crews coordinate electrical panel energization date with Customer

# TYPICAL TIMEFRAMES

- Building & Safety Plan Check
  - 6 to 8 weeks depending on the number of corrections
- Electric Utility Design and Engineering
  - 6 to 8 weeks depending on design complexity and work-load
- Construction, Inspections, and Electrical Facilities Installation
  - 6 to 8 Weeks depending on the level of construction complexity and RPU crew availability
- Meter Installation
  - 3 to 5 days after RPU receives B&S electric panel release

# Typical Project Timeframe

Project Activity	Weeks																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Building and Safety Plan Check																			
Electric Utility Design and Engineering																			
Construction, Inspection, and Electrical Facilities Installation																			
Electrical Meter Installation																			

# Electric Rule No. 2 & 10

- Electric Rule 2 – Character of Electric Service
  - Customer service voltage (1 or 3 phase)
  - Underground service
  - Change of connected load
- Electric Rule 10 – Distribution System Additions
  - Customer is responsible for installing all trenching, backfilling, conduits, pullboxes, transformer pads.
  - Applicant pays all electrical facilities related to development necessary to complete extension

# Electric Rule No. 11

- Electric Rule 11 – Electric Service Facilities
  - Application for Electric Service
  - Installation of underground conduits, trenching and structures at applicants expense
  - Electric panel release, fees, customer electric account set-up
  - Total cost of utility facilities shall be paid by applicant
  - Service design and engineering deposit
  - Service panel location approved by utility

# Cost Responsibilities and Credits

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- Utility rates limited to costs reasonably related to the cost of service
- Prior to December 2010, under Rules 10 and 11, RPU provided a partial credit to new customers for cost related to the construction of new facilities to serve a particular customer
- On December 14, 2010, the City Council discontinued such subsidy by amending Rules 10 and 11
- Staff no longer has ability to offer credits for the construction facilities related to serve a particular customer

# Example: Grandvillas Apartments

## **Permit No. 12-3553 Activity**

- November 20, 2012 - Staff receives first plan check submittal
- November 29, 2012 - Staff completes first plan review and provides corrections
- March 18, 2013 - Customer submits design deposit and additional requirements for RPU's review and approval
- April 15, 2013 - Staff approves work order for initiating design
- October 17, 2013 - Staff approves final work order package
- October 28, 2013 - Staff sent customer final work order drawings and estimated fees

## **Permit No. 15-1088 Activity**

- March 19, 2015 - Customer reapplied for permit and plan check review
- May 12, 2015 - RPU approved plans since previously reviewed under Permit No. 12-3553

# Example: Grandvillas Cost Summary

## RPU Work Order Breakdown of Fees:

○ Design and engineering	\$4,460
○ Install - underground labor and materials	\$22,394
○ Install - overhead labor and materials	\$4,212
○ Removal – overhead labor	\$2,060
Work Order Total	\$33,126
Transformer Costs	\$18,330
Total Customer Charge	\$51,456
Design Deposit	\$2,500
<u>Amount Remaining Due</u>	<u>\$48,956</u>



# QUESTIONS ?

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[RiversidePublicUtilities.com](http://RiversidePublicUtilities.com)

