



Riverside Transmission Reliability Project (RTRP) – Update

Board of Public Utilities
July 24, 2017

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RTRP OVERVIEW

Riverside Transmission Reliability Project (RTRP) will provide RPU customers with :

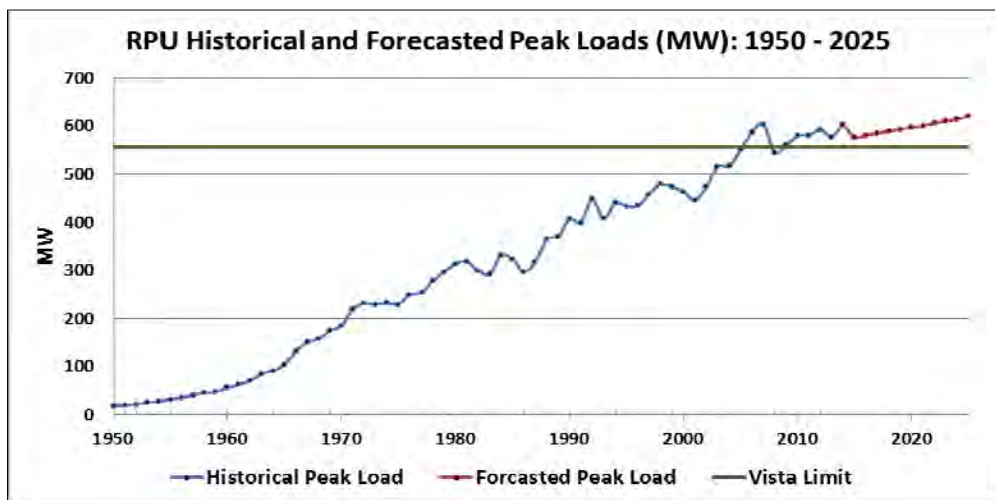
- ✓ **transmission capacity to serve existing and projected load**
- ✓ **long-term system capacity for load growth**
 - ✓ **system reliability**

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RPU'S POWER NEEDS CONTINUES TO GROW

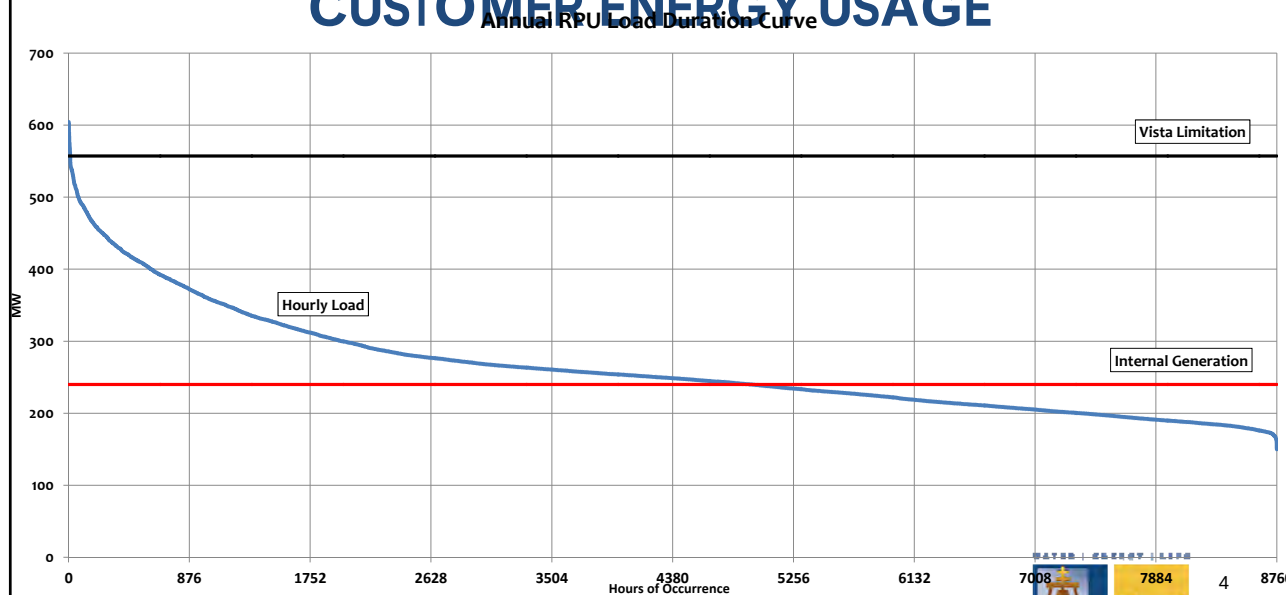


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CUSTOMER ENERGY USAGE



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CATASTROPHIC TRANSFORMER FAILURE



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RTRP HISTORY

California Independent System Operator (CAISO)
1) determined need and 2) directed construction
to begin in June 2006

REASONS:

1. The sole source of bulk electrical energy supply - SCE's Vista Substation
2. Beginning in 2006, RPU's electrical demand exceeded 557 MW of capacity from SCE's Vista Substation
3. Available local generation does not meet RPU's forecast needs

More information outlined in attached RTRP Briefing Document
dated May 17, 2017



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PROJECT STATUS AS OF MAY 17, 2017

In July and August 2016, SCE reached settlement agreements with two developers. SCE's resulting proposed modifications to the RTRP project are:

1. SCE proposed a "Hybrid" (UG/ OH) Alternative as its preferred alternative in lieu of the originally supported project.
2. The Hybrid Alternative is acceptable to SCE, RPU and the developers of the Riverbend and Vernola Apartment Community.

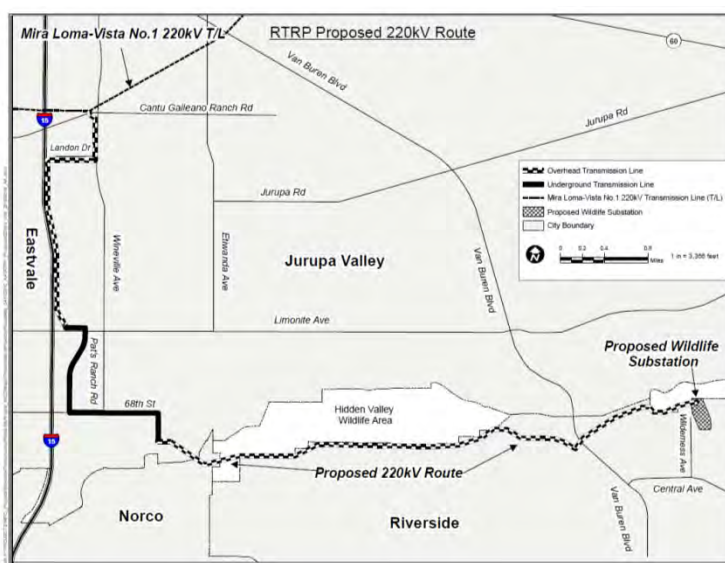
CPUC is currently completing a Subsequent EIR to analyze the environmental impacts based on the Hybrid Alternative.

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RTRP 230KV ROUTE PROPOSED W/HYBRID ALTERNATIVE



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PROJECT STATUS (CONT'D)

The CPUC's Energy Division has inquired about the option of full undergrounding in Jurupa Valley

Undergrounding will significantly increase the overall costs to SCE and Transmission Access Charge (TAC) customers and delay the Project's implementation

- | | |
|--|---|
| 1. Original Proposed Project costs | \$222M (\$2015) |
| 2. Proposed Hybrid Alternative costs | \$353M (\$2015); 50%+ increase to original Proposed Project |
| 3. Other full underground Alternatives | \$420-445M (\$2015); 89%+ increase to original Proposed Project |

RTRP Hybrid Alternative effectively addresses changed ground conditions while minimizing the overall cost to customers and construction delays.



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COMMUNITY CONCERNS AND OUTREACH

1. EMF (Electricalmagnetic Field) Concerns
2. Economic & Social Impacts
3. Environmental Justice
4. Involvement of City of Jurupa Valley and other communities in proceedings



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COMMUNITY CONCERNS AND OUTREACH (CONT'D)

Considerable public outreach has been conducted on the project since 2006 including:

1. Project Newsletters
2. Public Notices – *The Press Enterprise, La Prensa, Hispanic News, Black Voice News, The Riverside County Record*
3. Press Releases
4. RPU, SCE, and CPUC Websites
5. Telephone Information Line
6. Public Open Houses
7. Agency & Elected Official Briefings

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NEXT STEPS AT CPUC

The RTRP Hybrid Alternative is the best solution for all parties, addressing the ENA (Electrical Needs Area) while avoiding unnecessary and unwarranted costs to TAC (Transmission Access Charge) customers

Anticipated timeline for next steps toward 230KV construction include:

Item	Estimated Date
NOA and Draft Subsequent EIR	August 2017
Final Subsequent EIR issued	February 2018
ALJ Prehearing Conference	March 2018
ALJ Proposed Decision	August 2018
Final Decision	September 2018
Start Construction	April 2019
Construction Complete	December 2023

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NEXT STEPS – RTRP 69KV IN RIVERSIDE

RPU to continue right of way acquisition for RERC-Harvey Lynn and RERC-Freeman 69KV lines

Anticipated timeline for next steps toward 69KV construction include:

Item	Estimated Date
Begin Material Yard site-prep	July 2017
Begin construction of RERC-Harvey Lynn 69KV	June 2018
Begin construction of RERC – Freeman 69KV	April 2019
Construction completion	October 2020

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RECOMMENDATION

That the Board of Public Utilities receive and file this update.

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