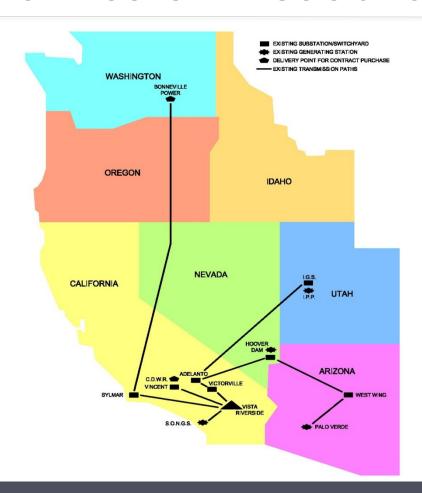


Riverside Transmission Reliability Project

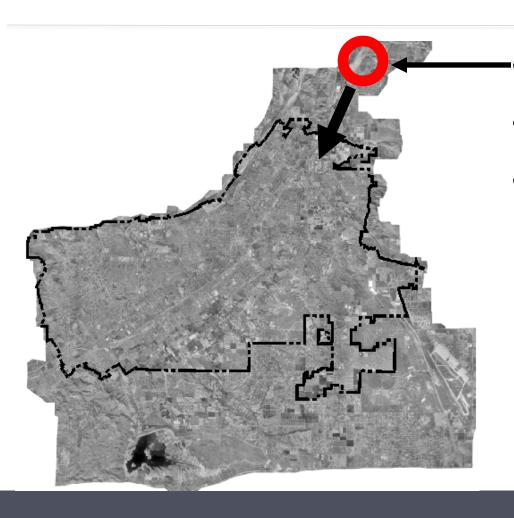
Board of Public Utilities September 20, 2013

RPU Generation and Transmission Resources





Energy Delivery to RPU



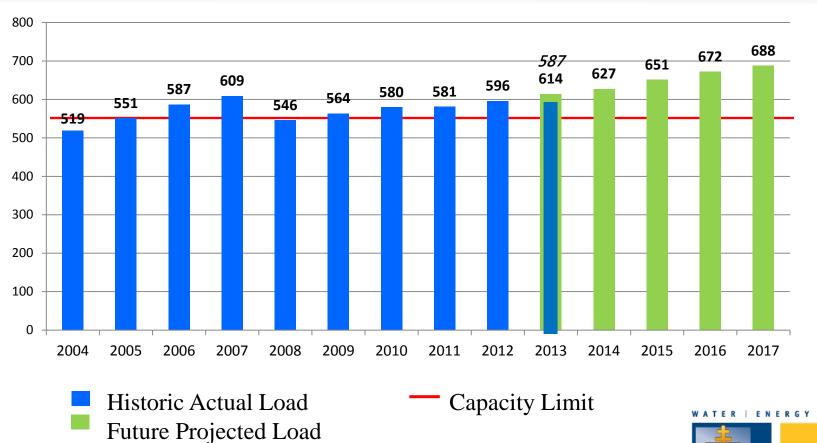
SCE's Vista Substation

557 MW

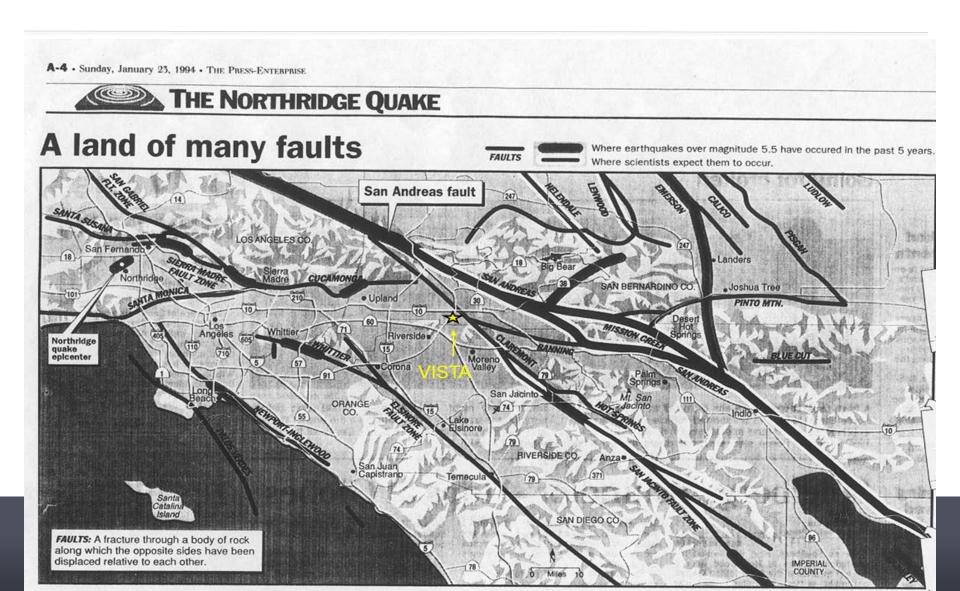
At capacity limit



RPU Historic and Projected Load in Megawatts



Most Probable Vista Event?









An Urgent Need!









- Single connection to State Grid Vista Substation
- CAISO build 2nd source ASAP
- Total black-out October 2007
- Interrupted power to:
 - All Riverside Public Utilities customers
 - Schools
- And regional service providers:
 - Universities
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Riverside Transmission Reliability Project (RTRP)

- Joint Project with SCE
- City of Riverside Lead Agency
- Second connection to the state transmission grid:
 - 230 kV Transmission Line (SCE)
 - Appx. 9 miles long
 - Through Riverside, Norco, Jurupa Valley, and Riverside County
 - 230-69 kV Substations (Joint)
 - Two adjacent stations in the City of Riverside
 - 69 kV Sub-transmission Lines (RPU)
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Regional Benefits









- Adds nearly 560 MW of capacity
 - Frees up capacity for regional SCE customers
- Provides transmission for renewables
- Ensures reliable power supply to critical facilities services benefit beyond city limits
- Strengthens the reliability of the state transmission grid serving the region
 - Emergency generation back to State Grid
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Regional Benefits (continued...)

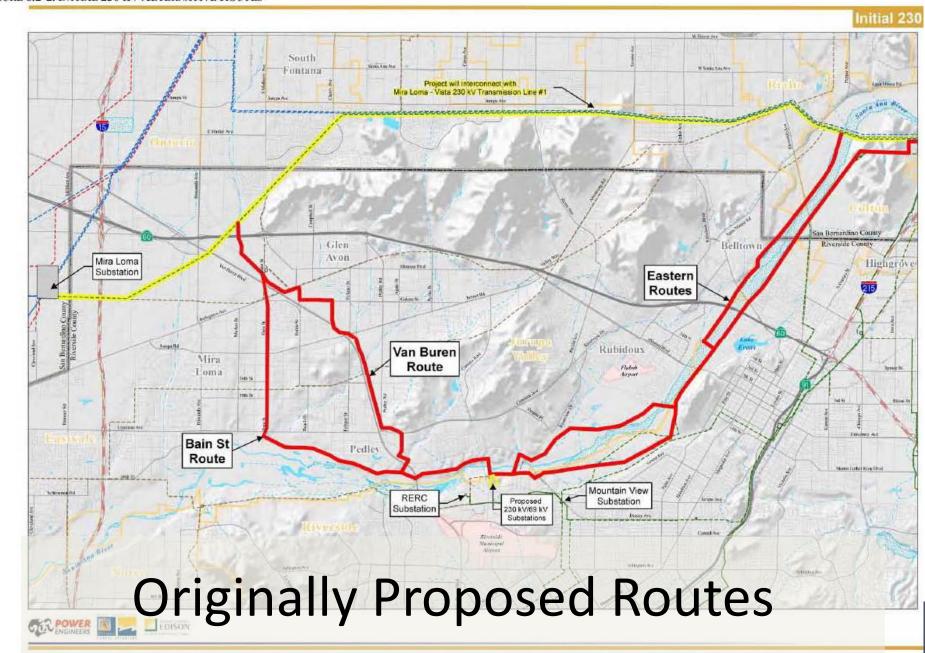
- Supports critical electric customers:
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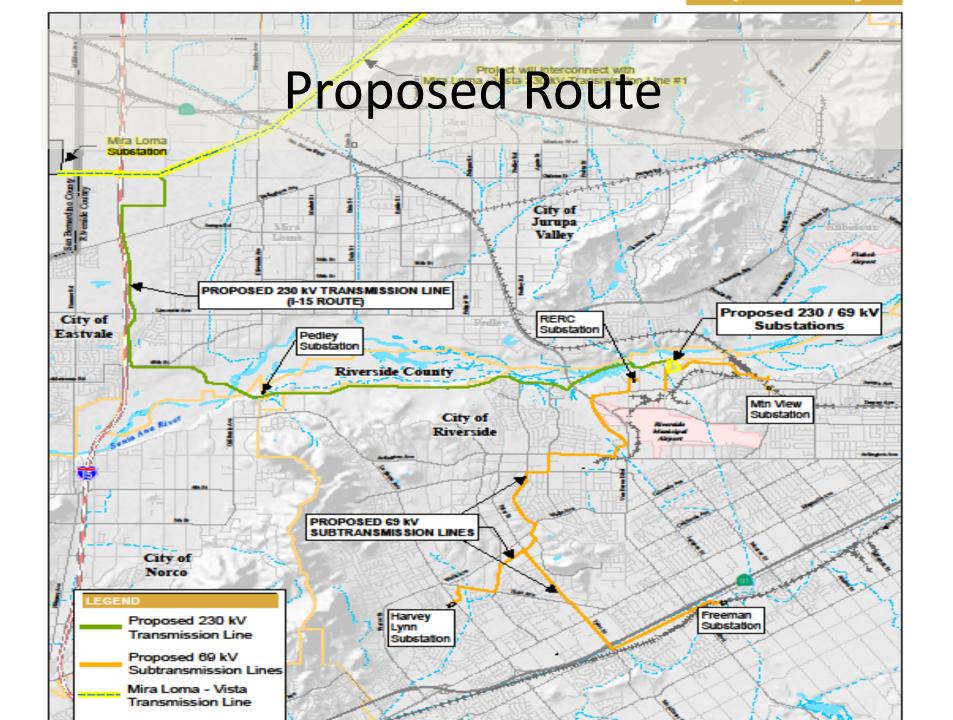


Route Selection Process

- Technical review analyzing all possible routes
- Evaluation using multiple criteria including:
 - Public Comment
 - Environmental Considerations
 - Land Uses
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 - Cost
 - Right-of-Way
 - Regulatory Approvals







Eastern (Santa Ana River) Route

- Creates adverse impacts to land use, protected species, riparian habitat, wetlands, and the Santa Ana River floodway.
- Line would extend across special management areas known as Criteria Cells, which are important areas to conserve for special-status species.
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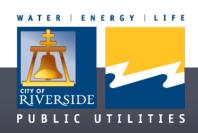
Eastern Route (continued...)

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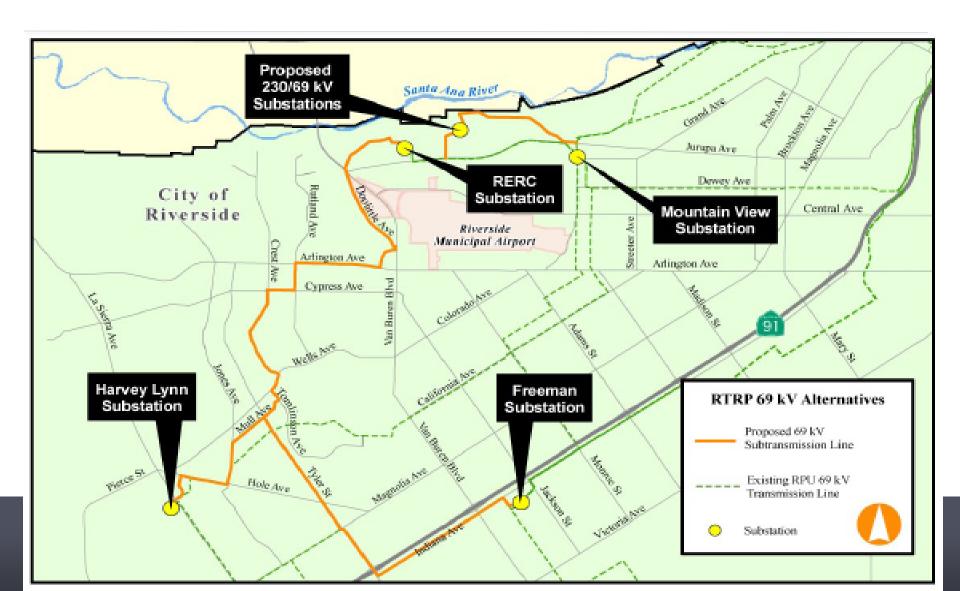


Southern Connection

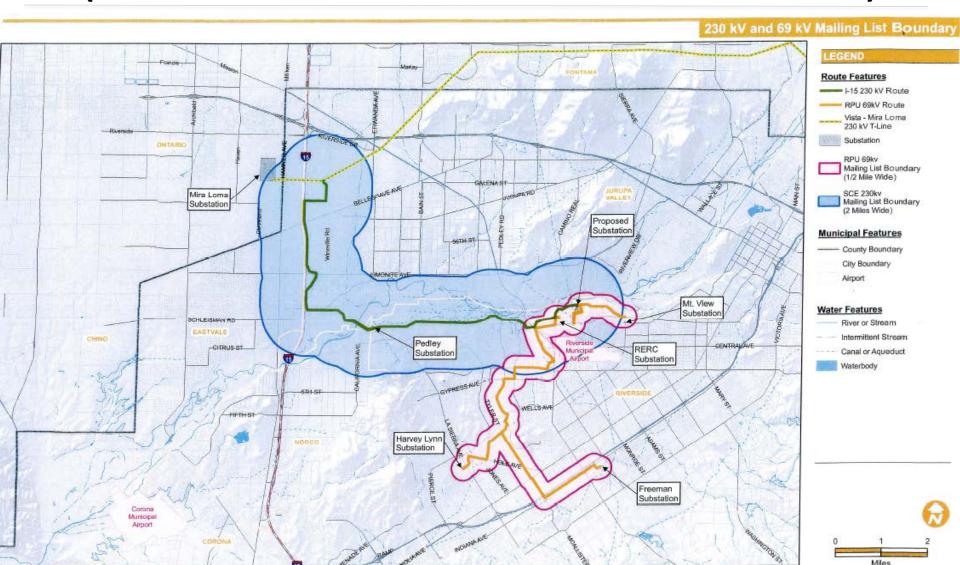
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RPU 69kV City Routes



Mailing List Boundary (also mailed to Interested Parties)



Public Outreach

- Newsletters mailed to project area
 - 7 newsletters (20,000 to 30,000 each)
- Open houses
 - 9 total, including 3 in the City of Jurupa Valley
- Presentations to interested parties
 - City and County Elected Officials
 - Jurupa Unified School District
 - Riverside County Airport Land Use Commission
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Public Outreach (continued...)

- Website: <u>www.riversideca.gov/utilities/electric</u>
- Project phone line: 951-710-5013
- Project email address: rtrp@riversideca.gov



- Shared information and documented public-concern
- Public-concern issues addressed in the EIR
- Technical Advisory Committee Meetings
 - 4 meetings with Riverside County airport, flood control, parks, etc.



Summary of Public Concerns

- Visual Impacts
- Health issues related to Electric and Magnetic Fields (EMF)
- Condemnation of property for right-of-way
- Negative impacts to property values
- "Eastern Route" is no longer considered a feasible alternative
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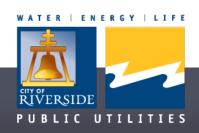
EIR Schedule Summary

- August through November 2011 DEIR circulated for public review and comment
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Recommendation

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



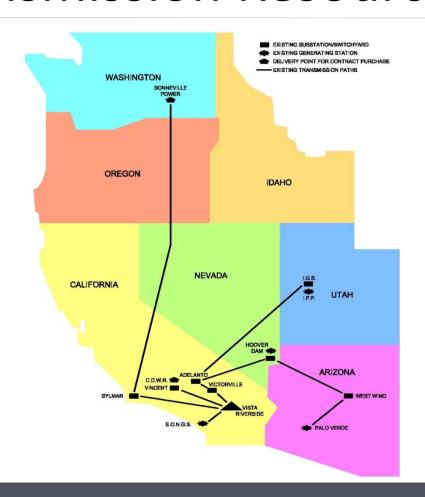


Riverside Transmission Reliability Project

Electric Committee

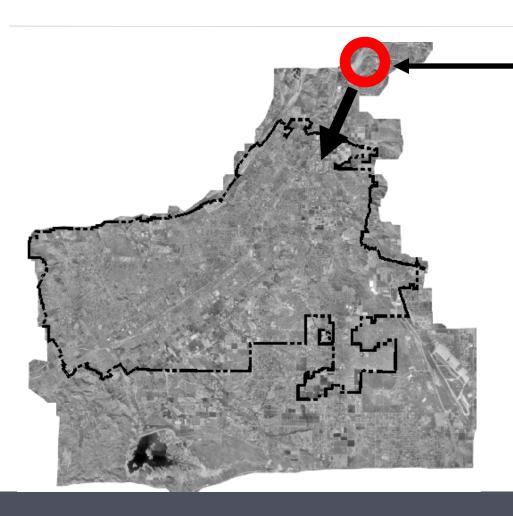
August 1, 2014

RPU Generation and Transmission Resources





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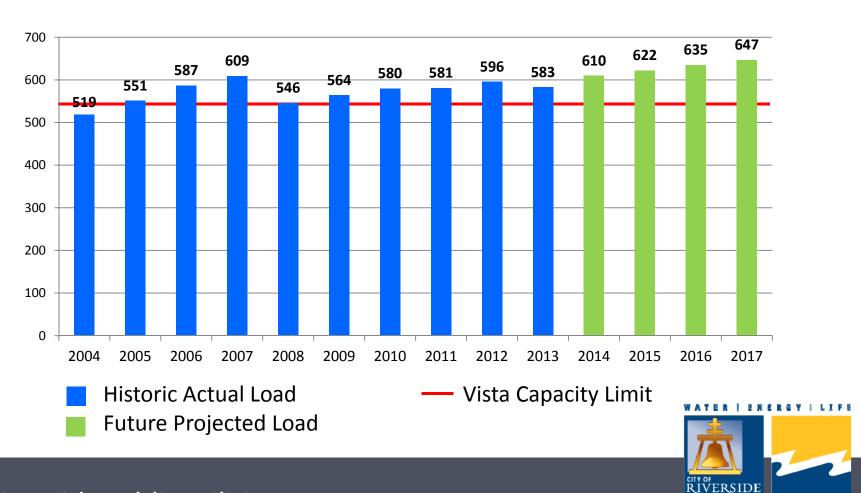
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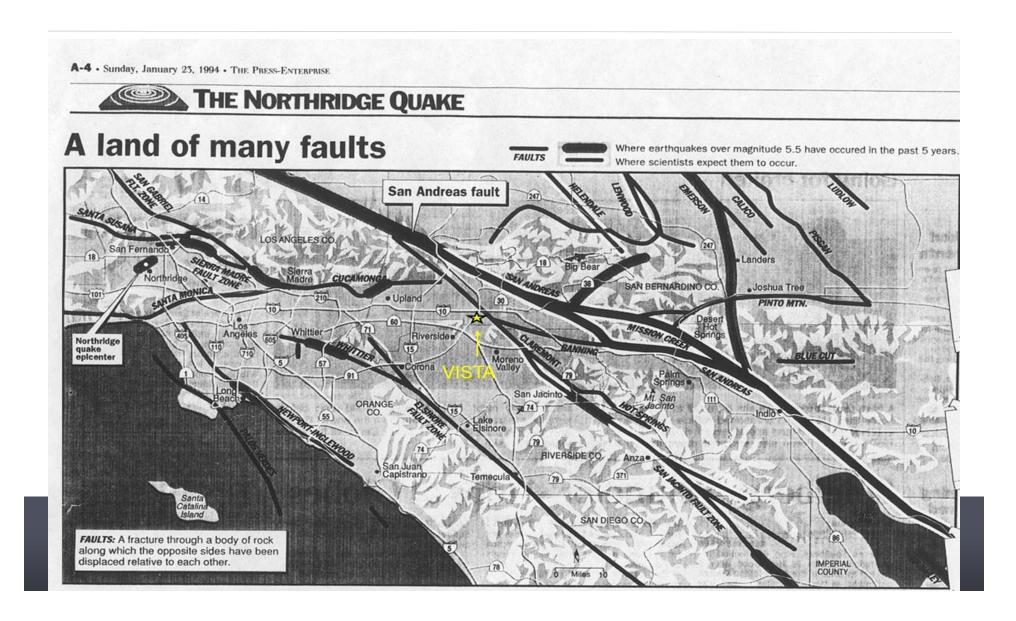


RPU Historic and Projected Load in Megawatts



PUBLIC UTILITIES

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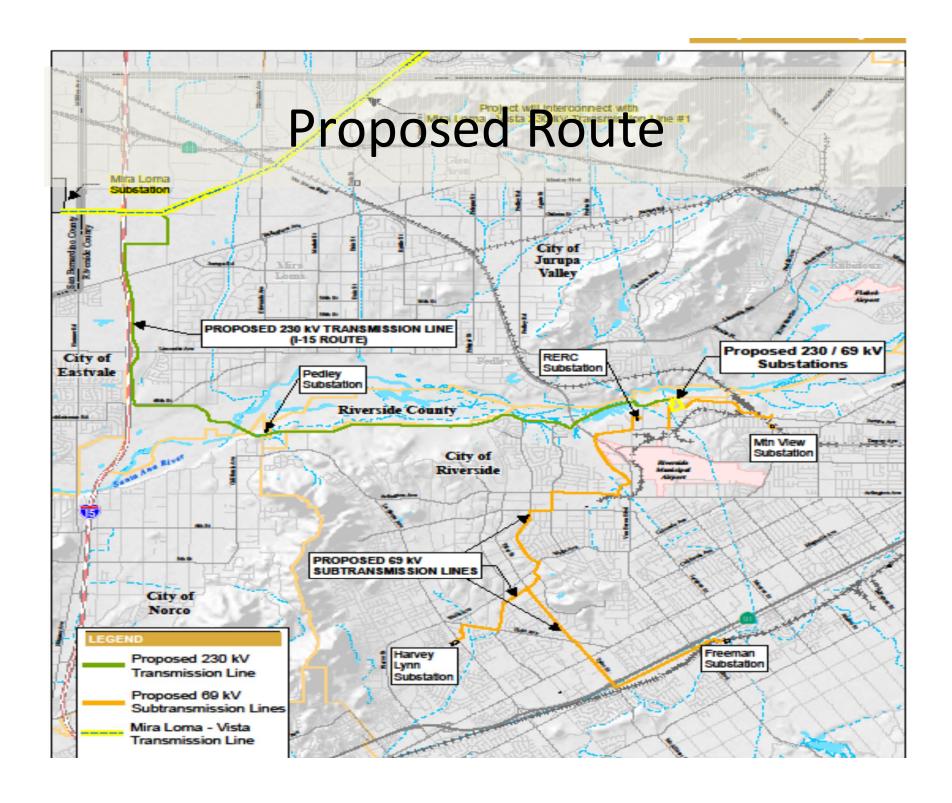
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RIVERSIDE TRANSMISSION RELIABILITY PROJECT



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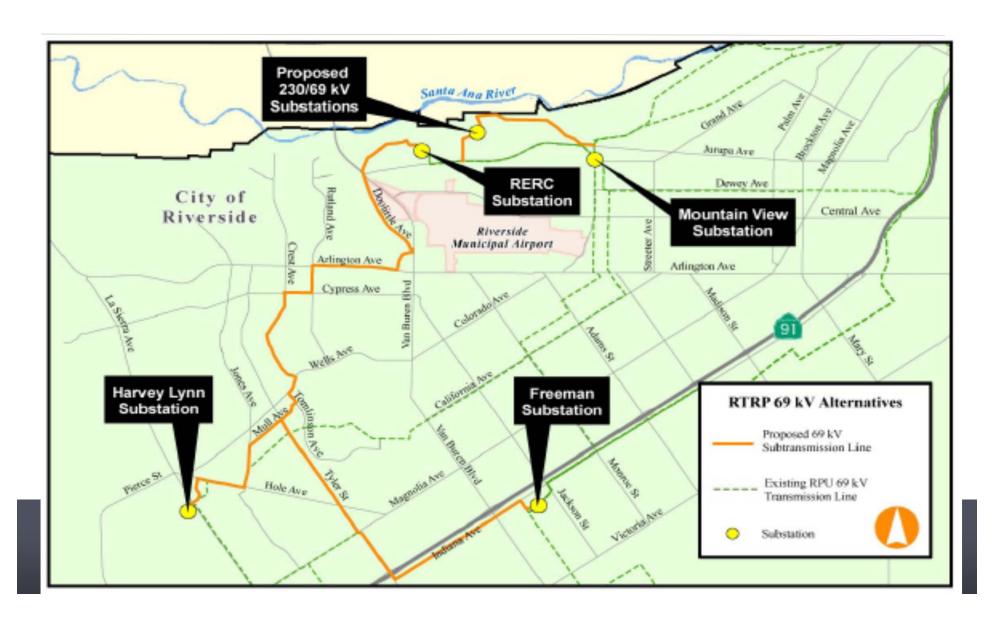


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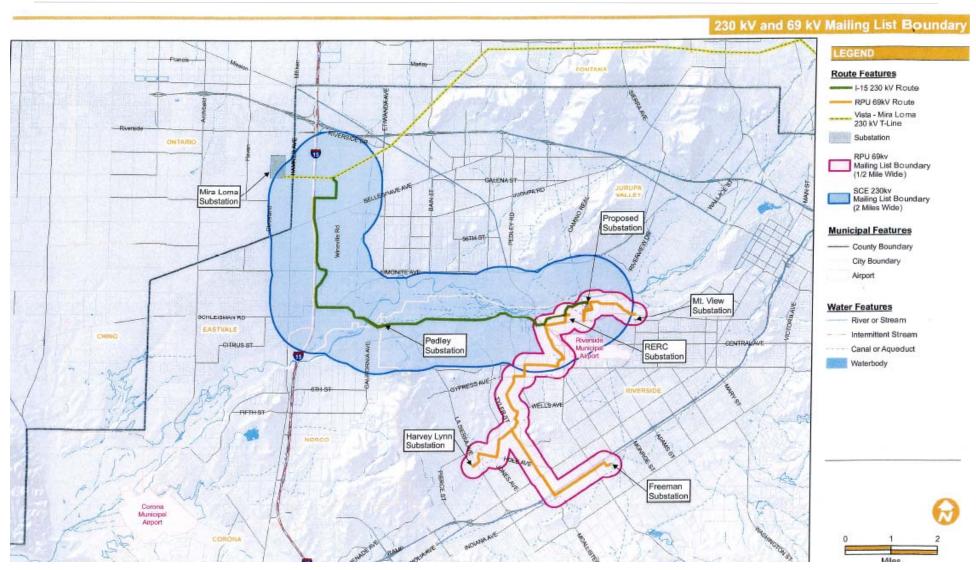
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CEQA Litigation

- City of Jurupa Valley filed petition challenging the EIR
 - Trial was held on April 11, 2014 at Los Angeles County Superior Court in Norwalk
 - Judge ruled in favor of the City of Riverside denying the City of Jurupa Valley's petition
 - On July 8, 2014 Jurupa Valley filed an appeal
- Schedule of litigation next steps
 - Jurupa valley's opening brief due early September
 - City of Riverside's brief due Oct-2014
 - Jurupa Valley's reply brief due early Nov-2014
 - Hearing date will be scheduled for early to mid 2015



City of Riverside 69kV Component Phase 1

- Litigation focused on 230kV component of RTRP, located mostly outside of the City of Riverside
- Portion of 69kV component is required improvement for transmission system to meet RPU's reliability criteria as the load growth within the city continues
- 69kV Phase 1 is RERC to Freeman Substation, and RERC to Harvey Lynn Substation segments - needed immediately to relieve transmission congestion around RERC

Project Activity 69kV Component Phase 1

- Notice of Appraisals were sent to 93 affected property owners along RERC-Harvey Lynn and RERC-Freeman segments
- Appraisals nearly complete (only 20 outstanding)
- Negotiations with land owners for ROW acquisition underway
 - First 15 offer packages ready
- Steel pole procurement package out for bid long lead time item

Project Schedule 69kV Component Phase 1

- RERC-HL and RERC-Freeman lines (Phase 1):
 - Secure all easements (estimated complete by June 2015)
 - Issue construction contract (mid to late 2015)
 - 18 to 24 months for construction, depending on phasing
- Balance of 69kV work will be scheduled as SCE approval for 230kV portion becomes more clear



230kV Project Activity

- California State Parks, Office of Grants and Local Services
 - Land and Water Conservation Fund (LWCF) conversion application process
- Regional Conservation Authority (RCA)
 - Riverside Multi-Species Habitat Conservation Plan (MSHCP)
- SCE project coordination meetings
 - Once litigation is resolved, SCE will begin the application process to obtain approval of the Certificate of Public Convenience and Necessity (CPCN) through the CPUC
- SCE currently estimates construction to start in mid 2018 with an in service date of late 2020

Recommendation

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