



California ISO

# Attachment B2

## Deliverability Constraint Boundary Diagrams

08/28/2024

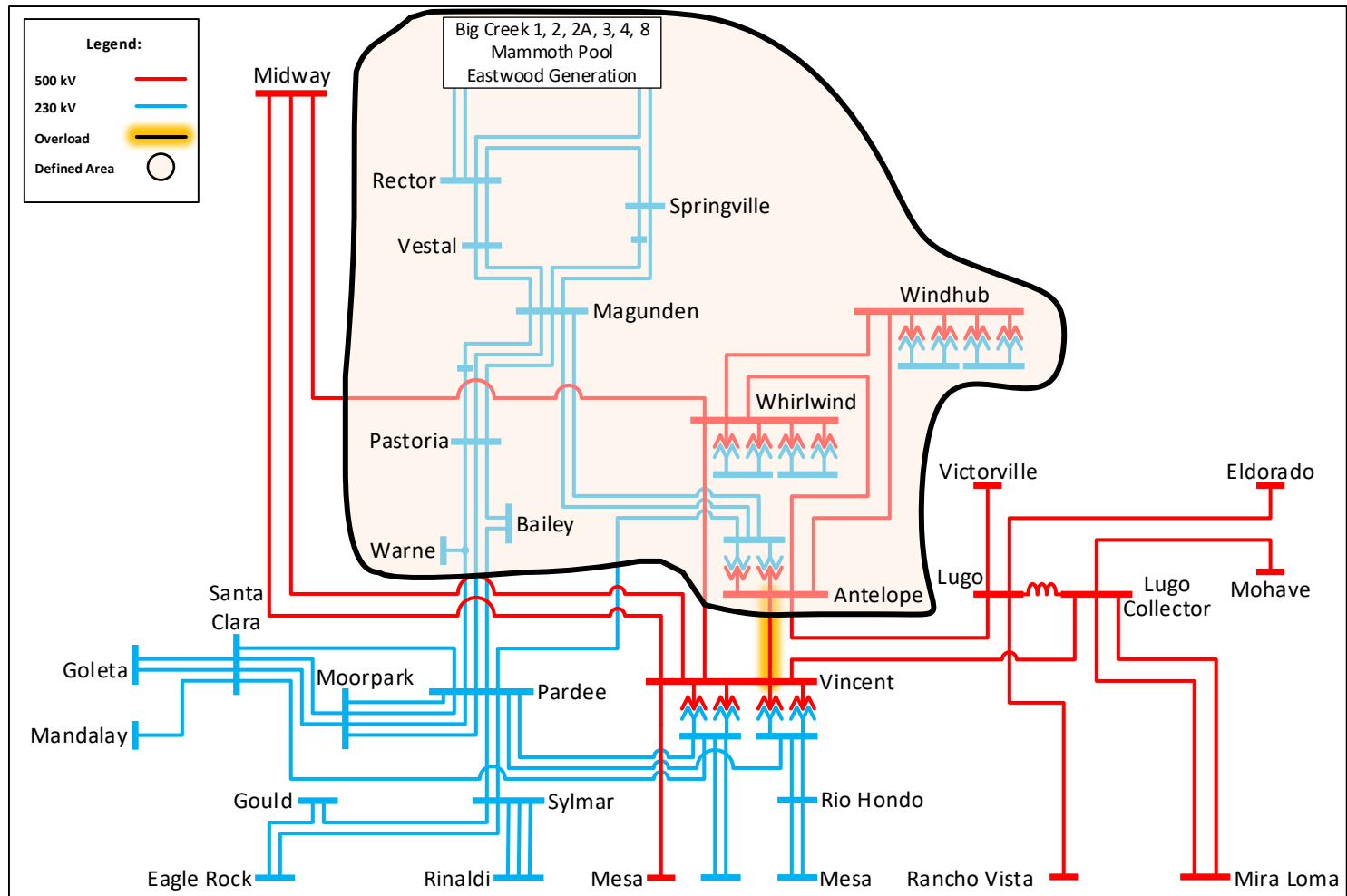
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## Changes from previous version

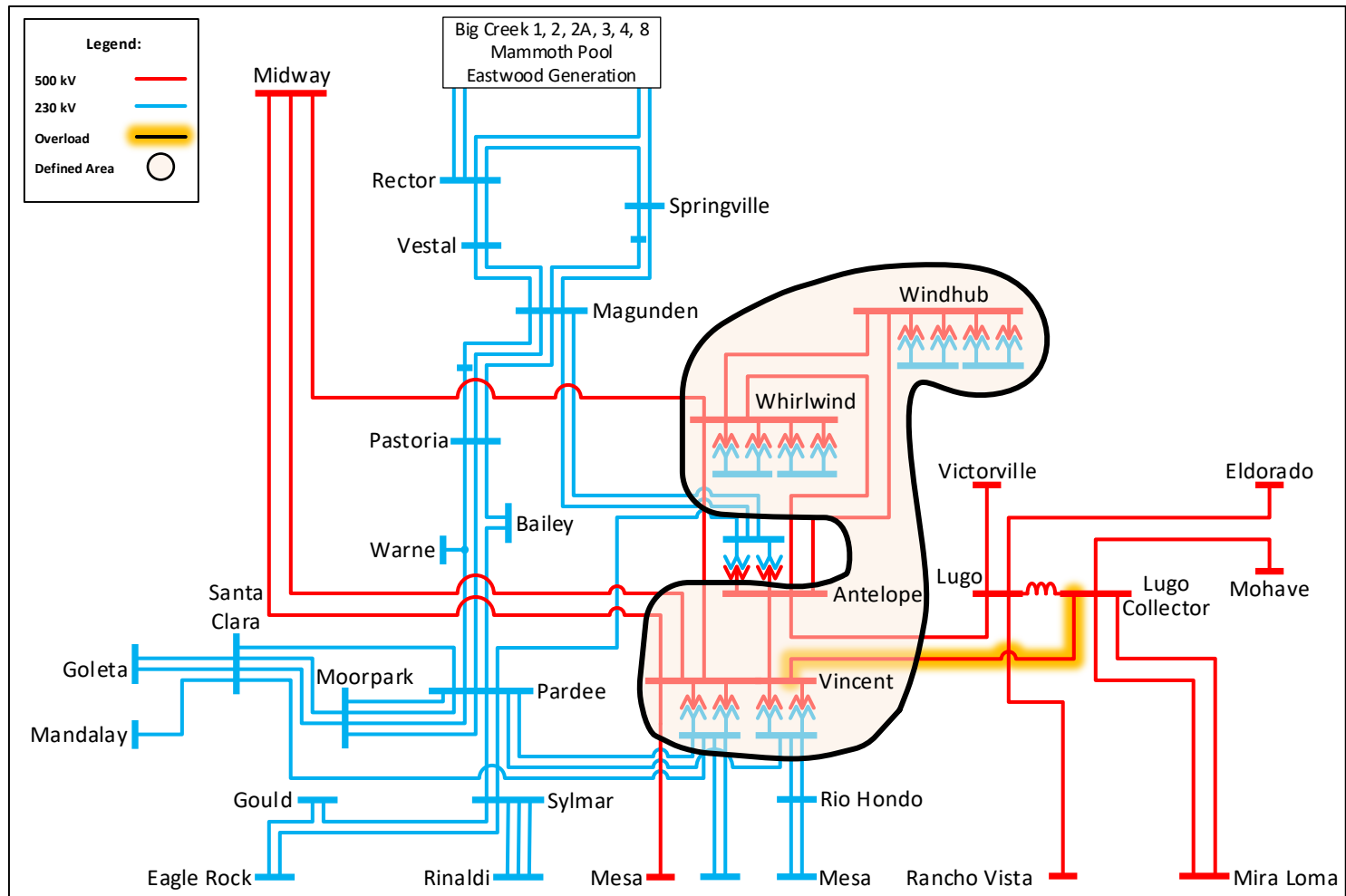
- POIs based solely on Flow Impact are not included
- 10% instead of 5% DFAX is applied to 500 kV line constraints per revised deliverability methodology.
- Constraint boundary diagrams include approved transmission projects through 2025-2026 TPP.

# SCE Northern Interconnection Area Deliverability Constraints

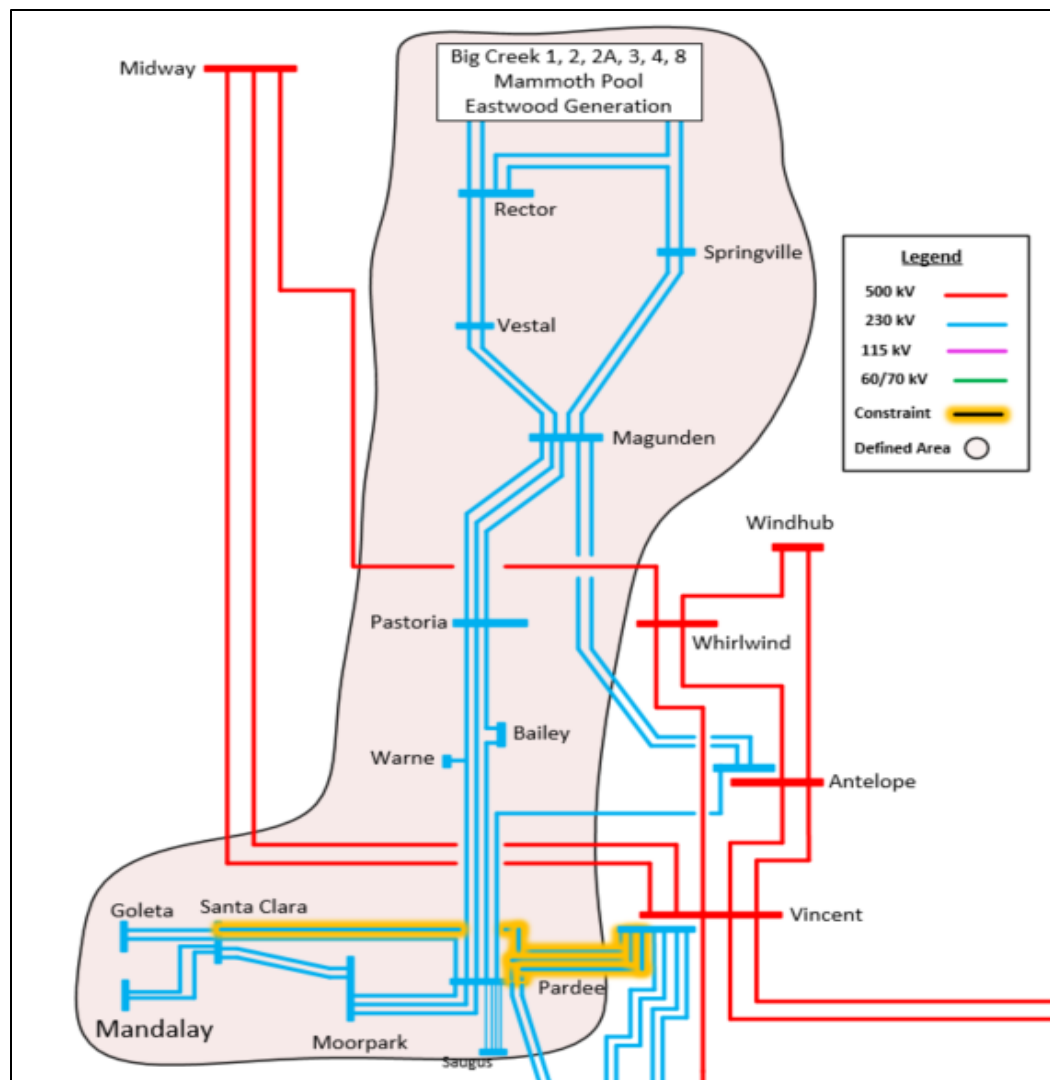
## Antelope-Vincent On-Peak Constraint



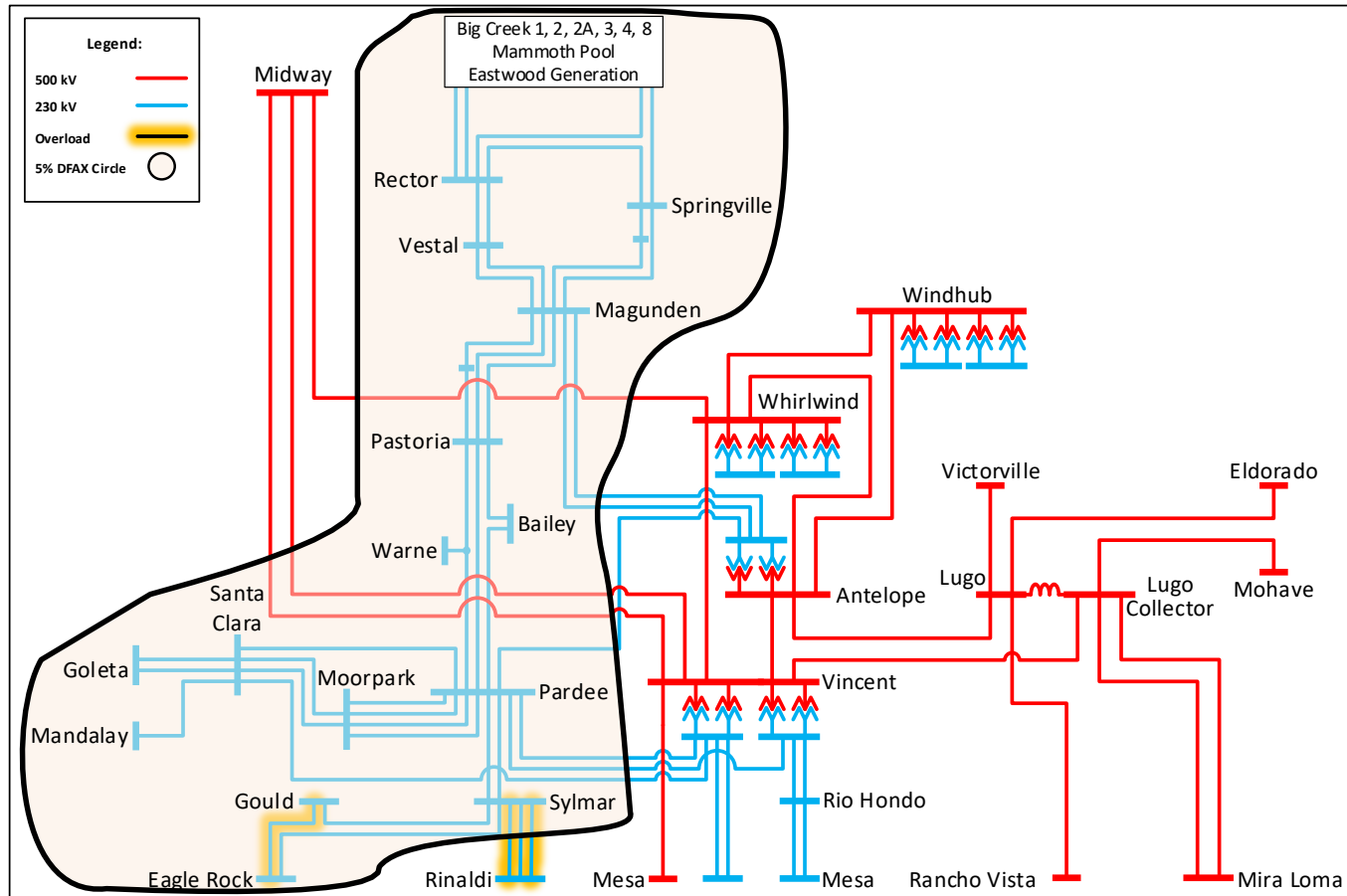
# Vincent-Lugo On-Peak Constraint



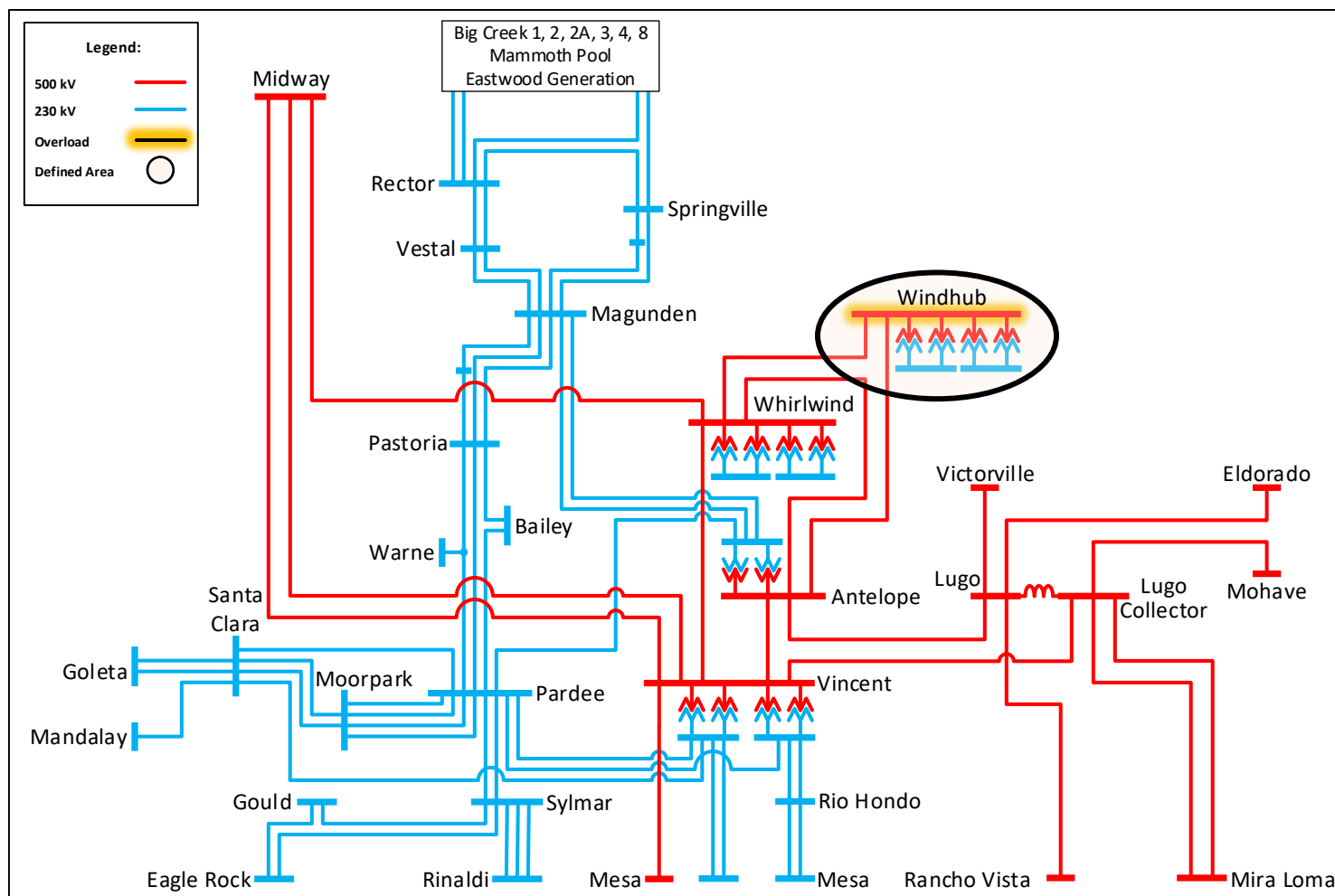
## Pardee-Sylmar On-Peak Constraint



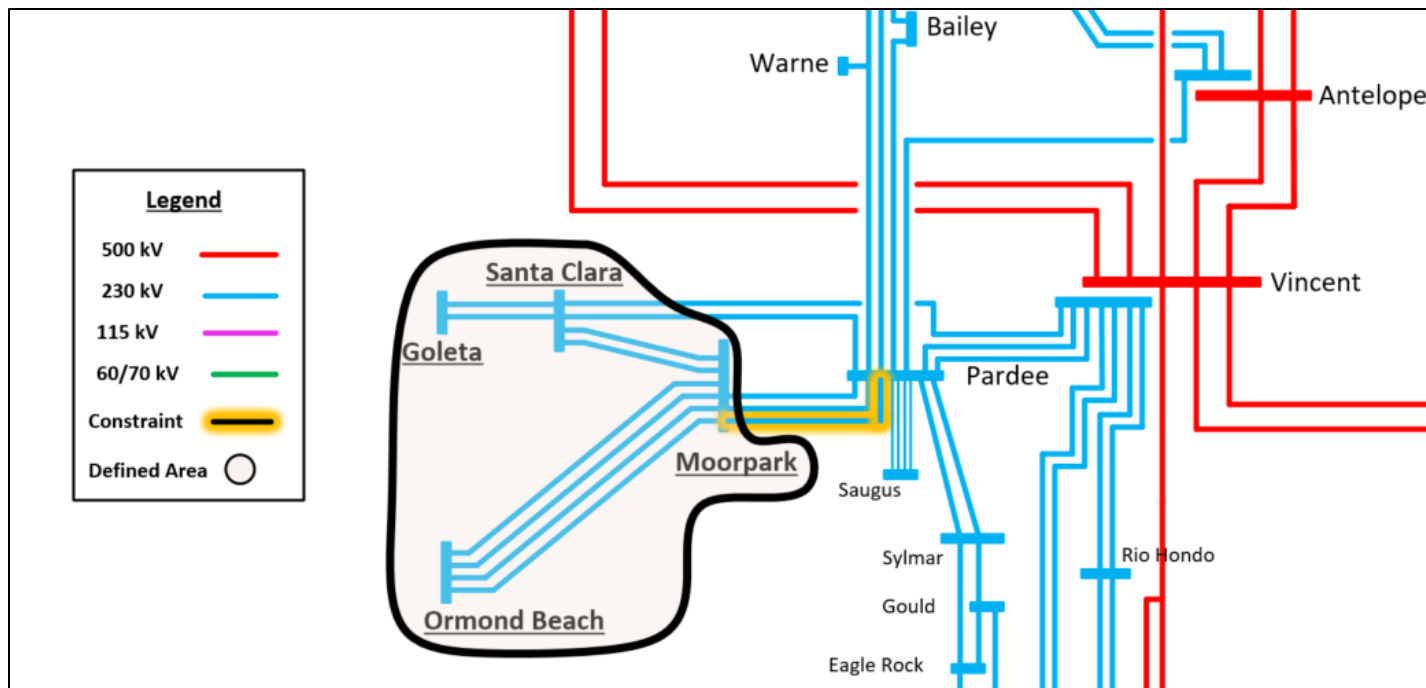
# Sylmar-Rinaldi On-Peak Constraint



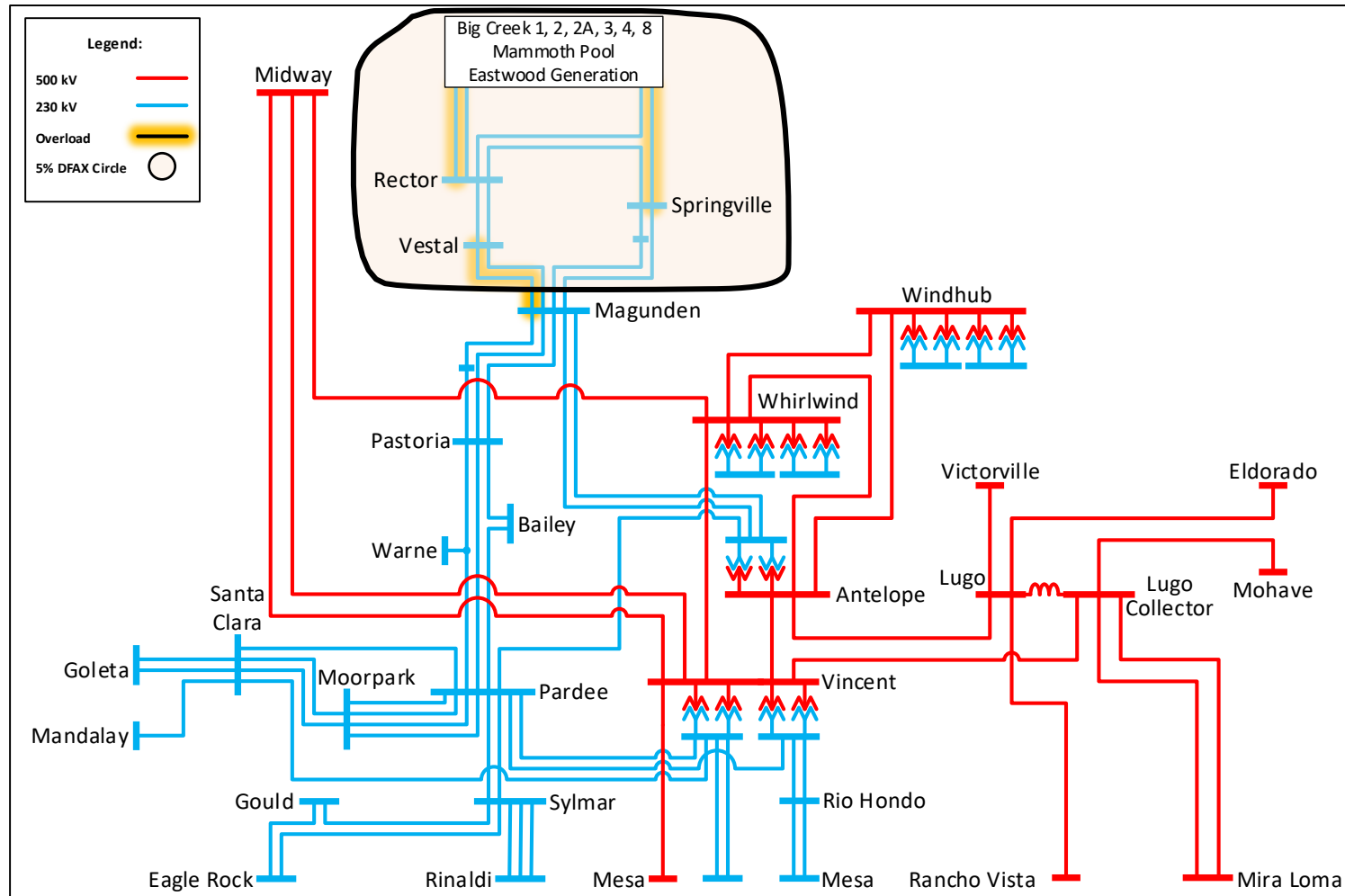
## Windhub On-Peak Constraint



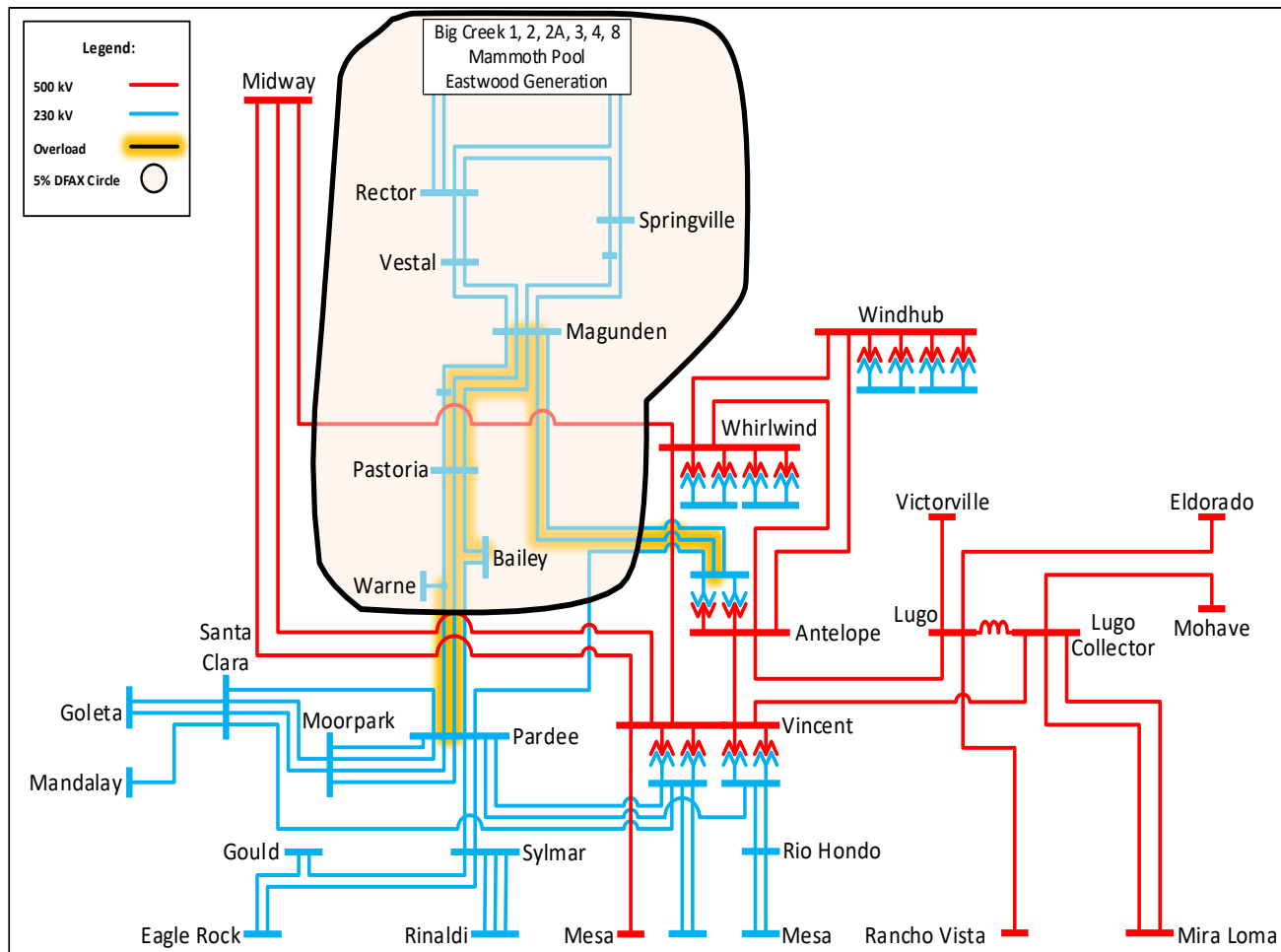
## Moorpark-Pardee On-Peak Constraint



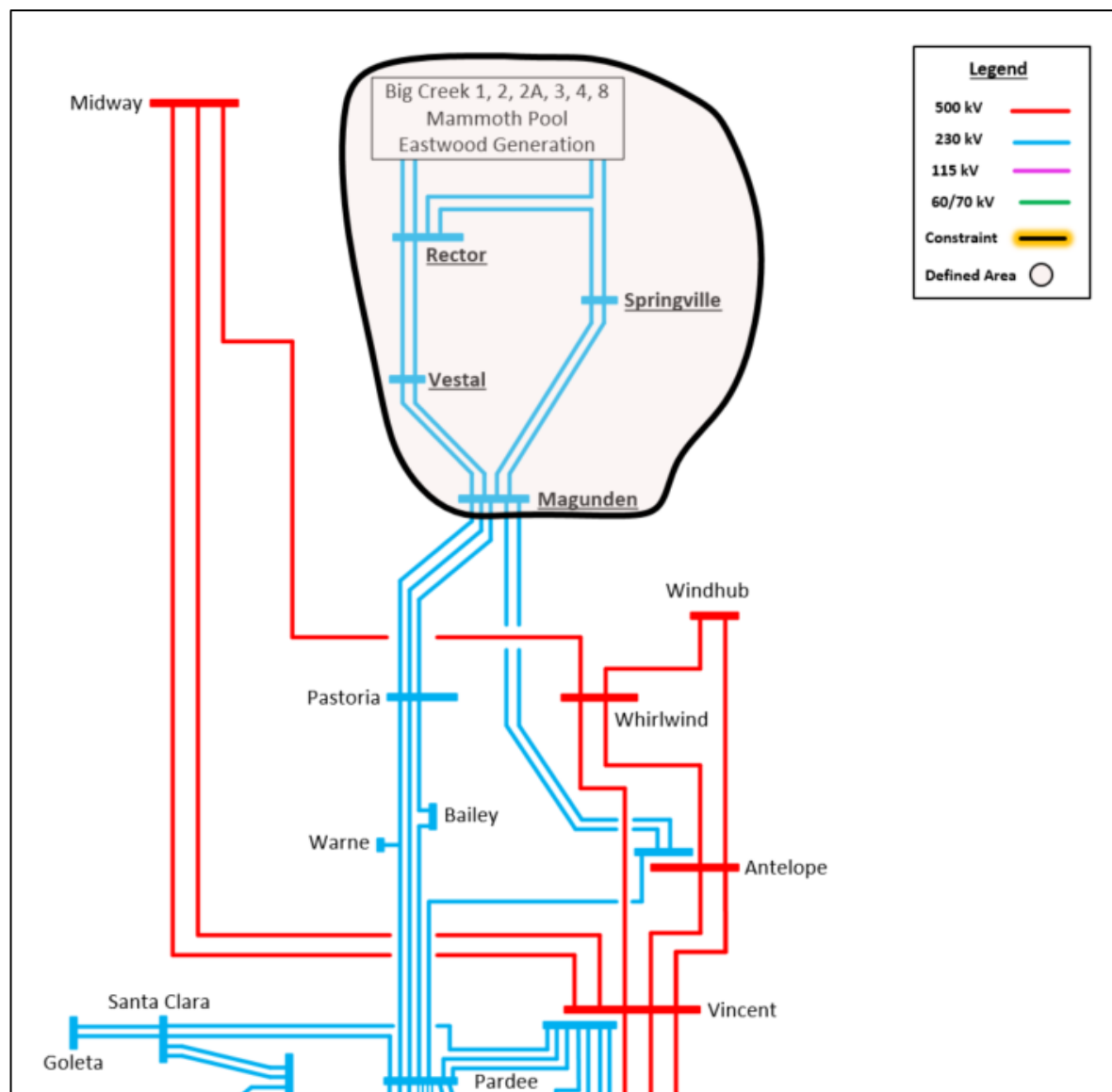
## North of Magunden On-Peak Constraint



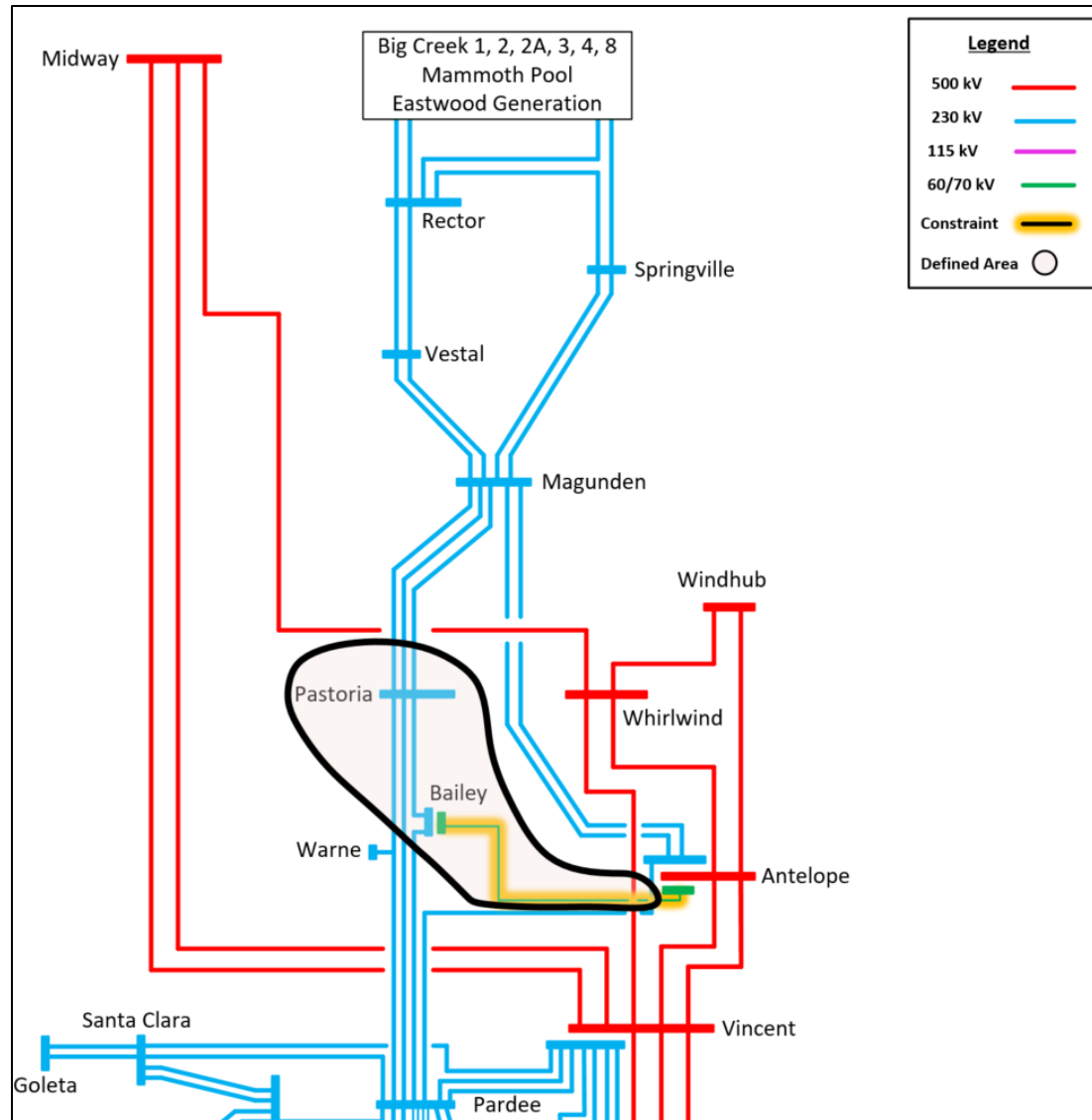
## South of Magunden On-Peak Constraint



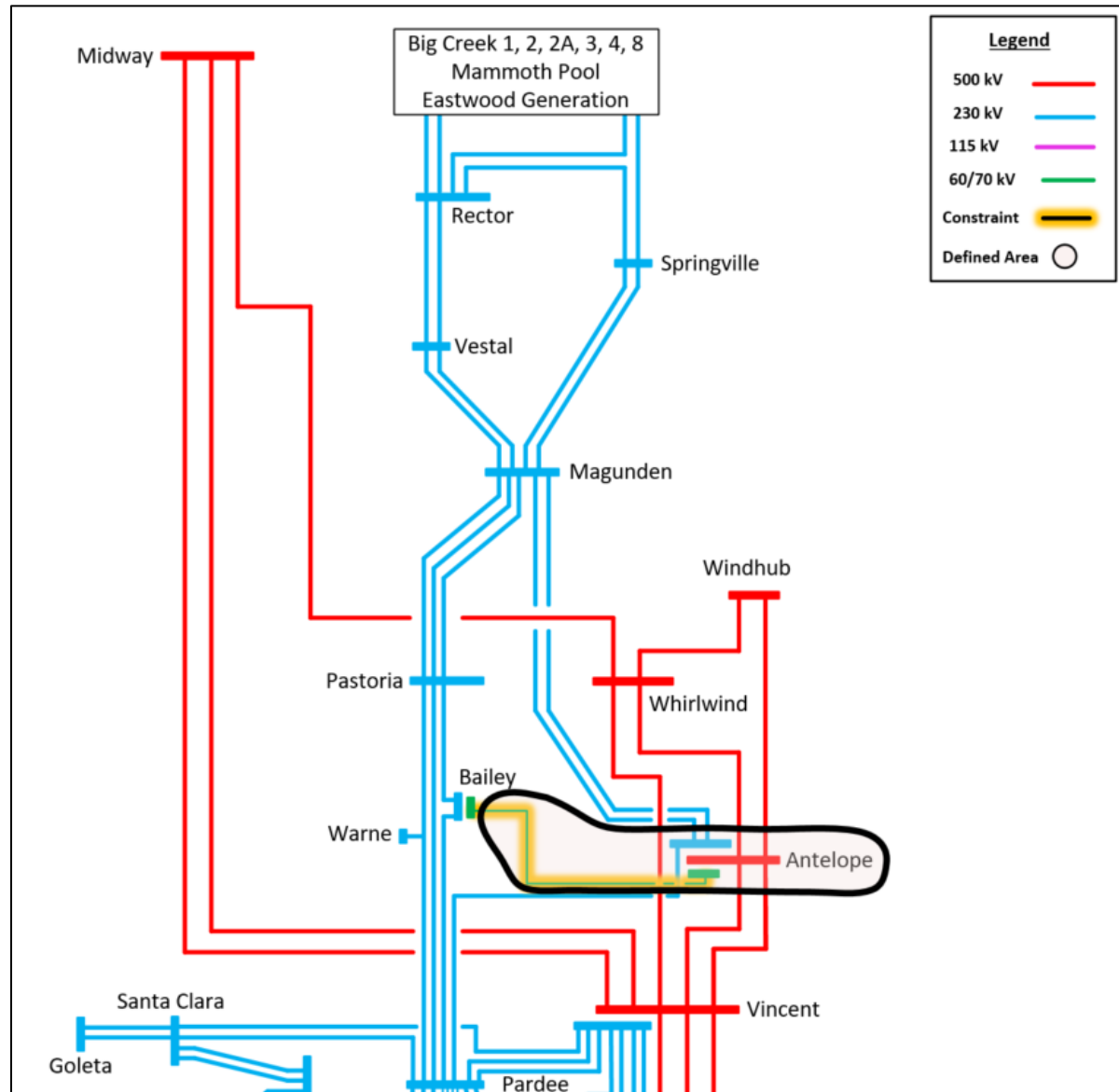
## South of Magunden Off-Peak Constraint



## Antelope-Neenach On-Peak Constraint

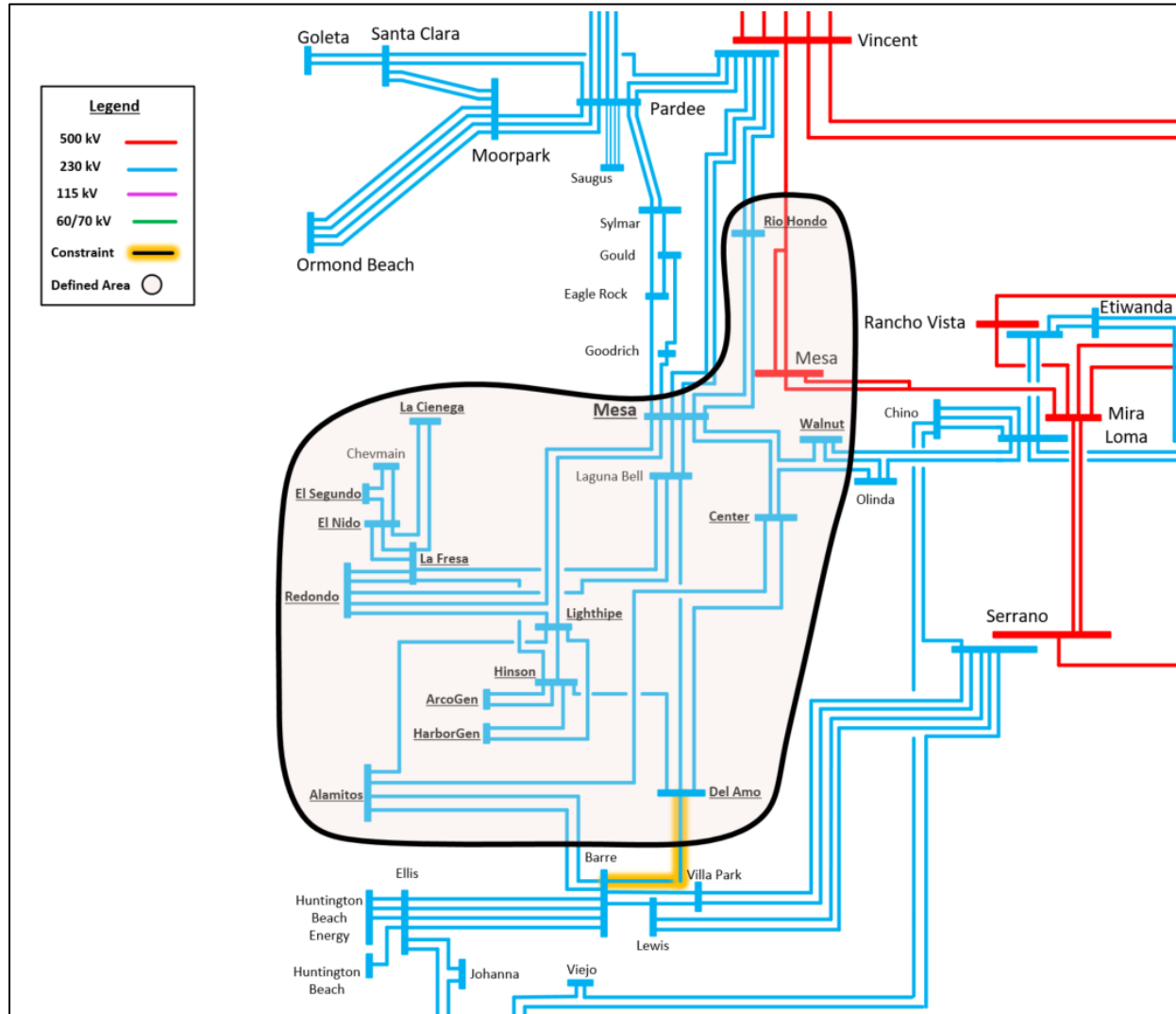


## Antelope-Neenach Off-Peak Constraint

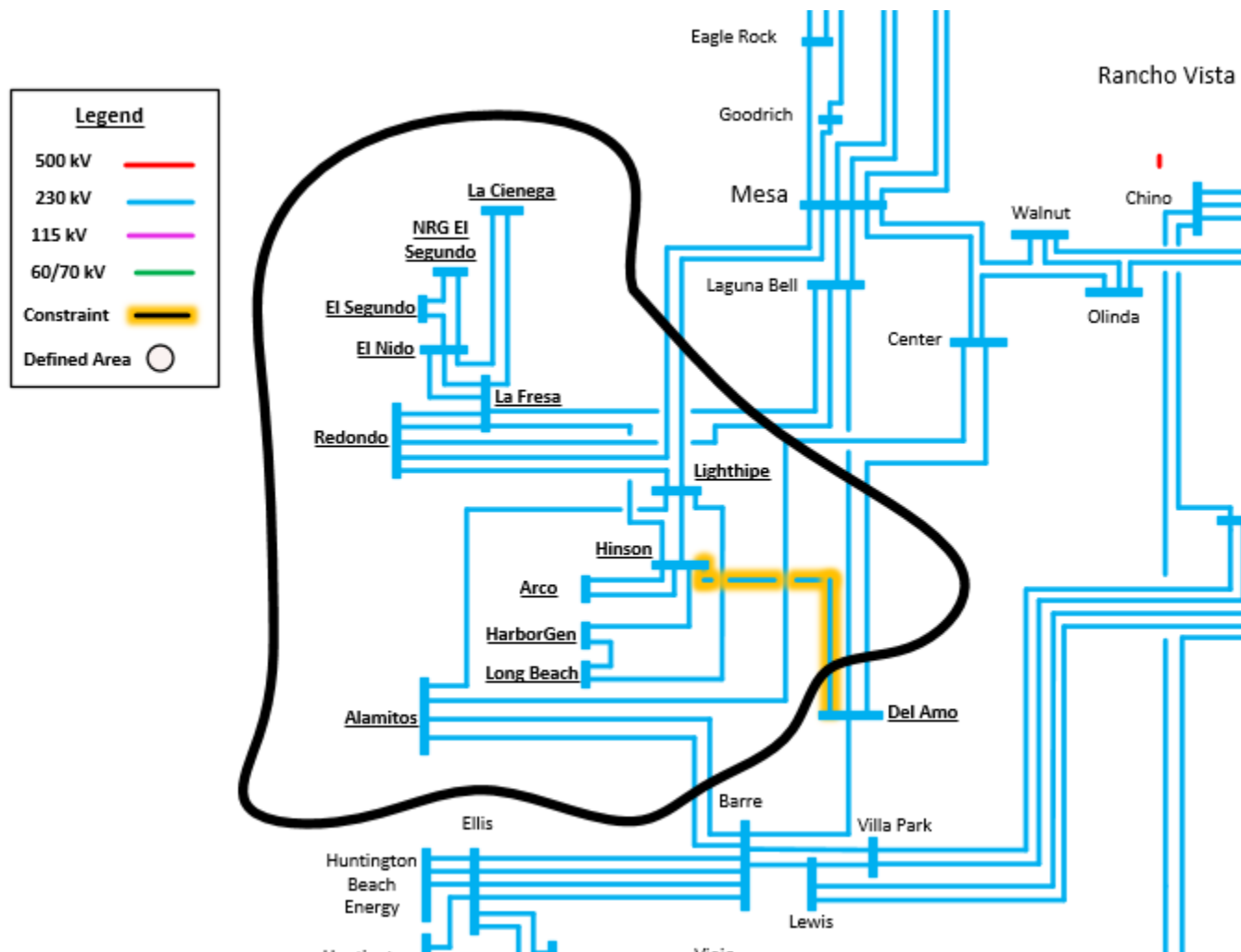


# SCE Metro Interconnection Area Deliverability Constraints

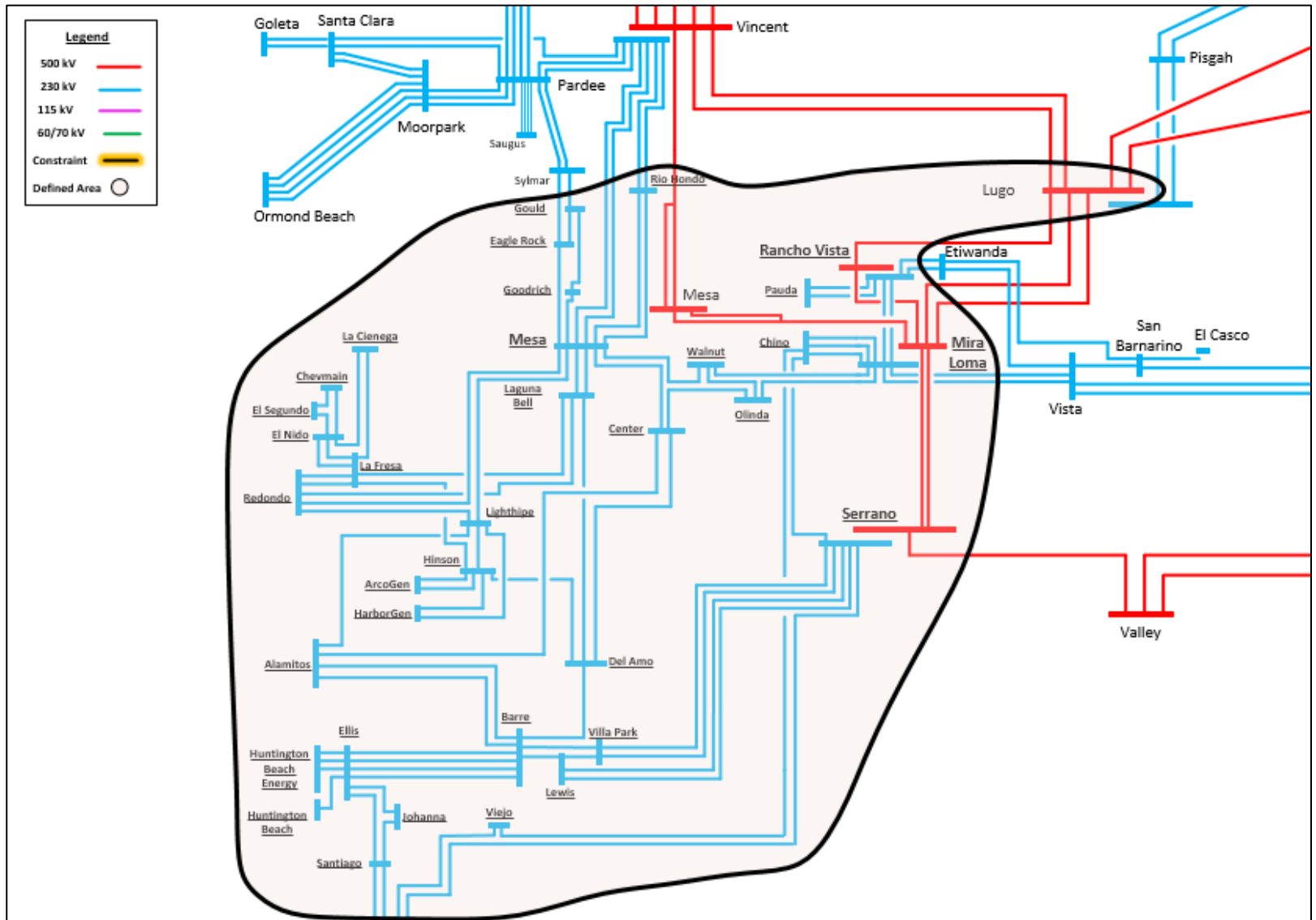
## Del Amo – Barre On-Peak Constraint



## Hinson - Del Amo On-Peak Constraint

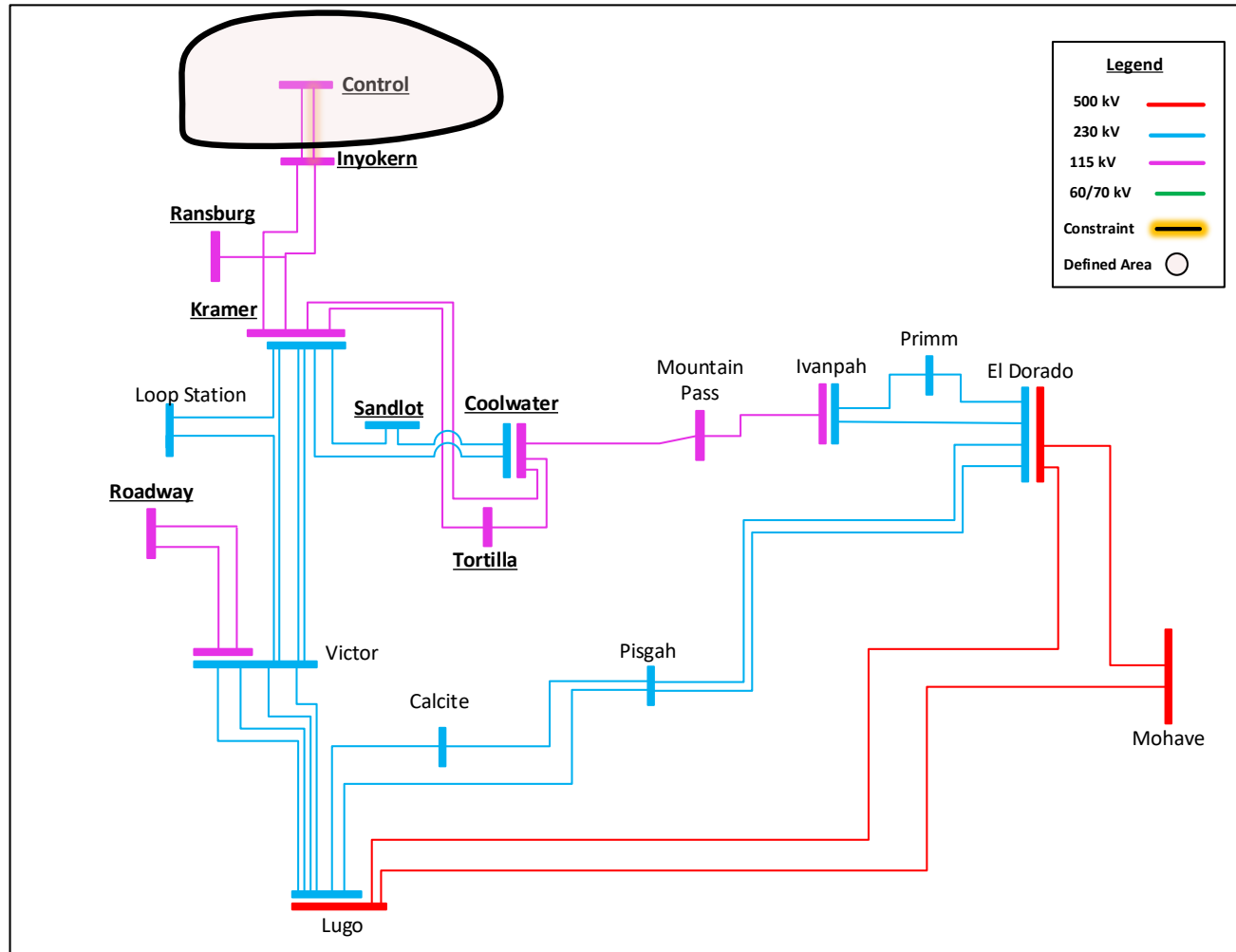


## SCE Metro Area Default Constraint

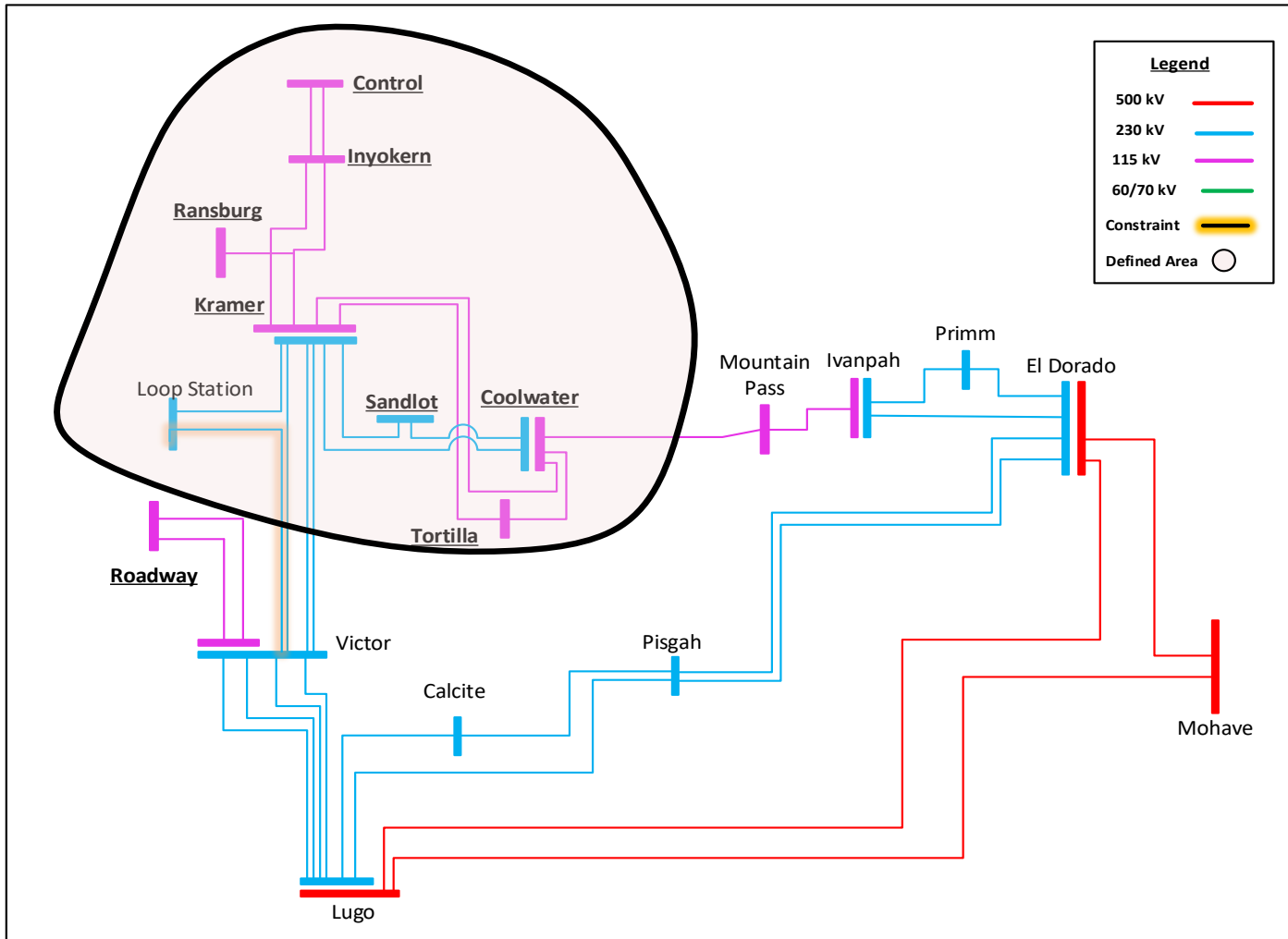


# SCE North of Lugo (NOL) Interconnection Area Deliverability Constraints

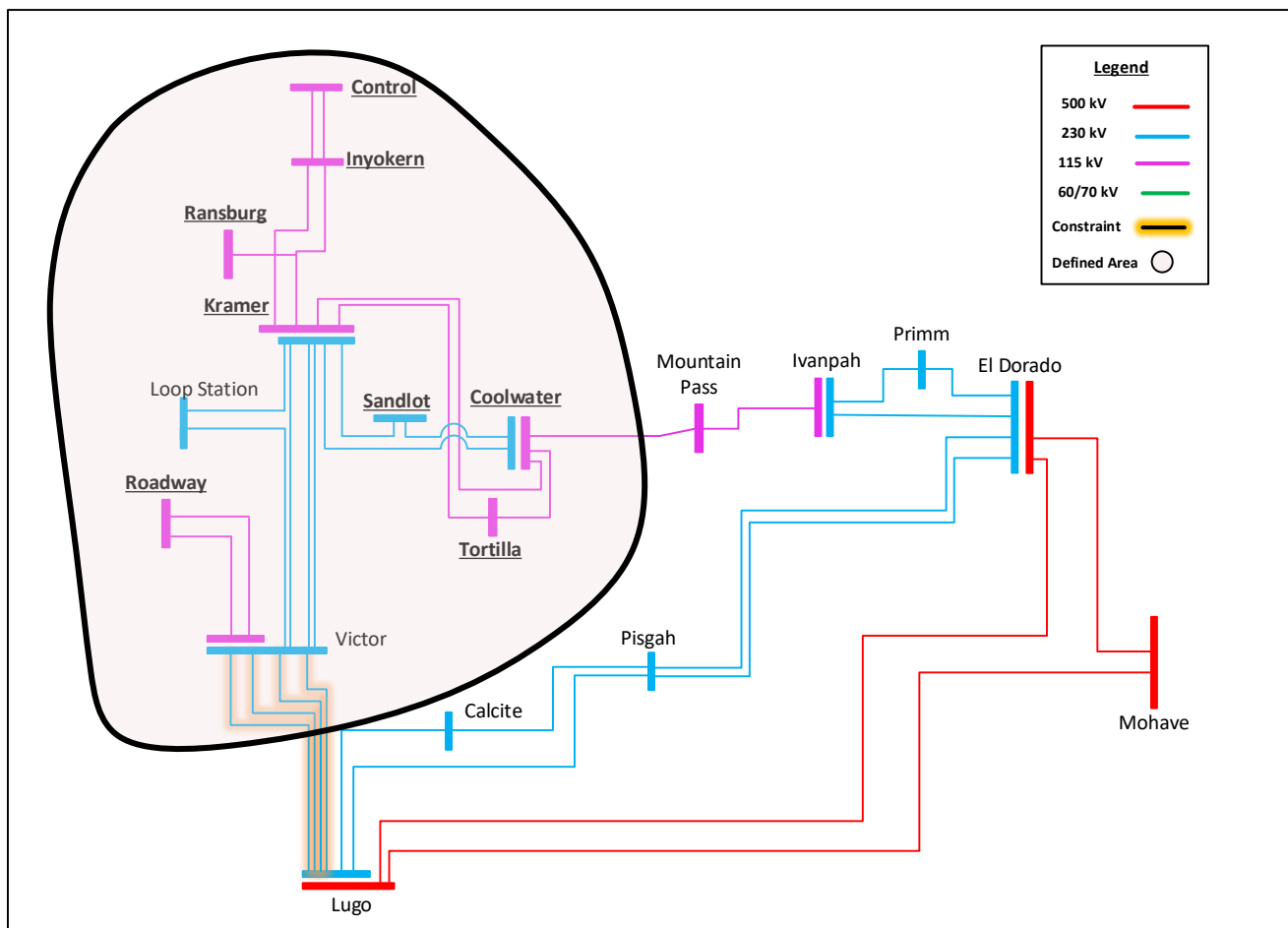
# Control to Inyokern Constraint On-Peak Constraint



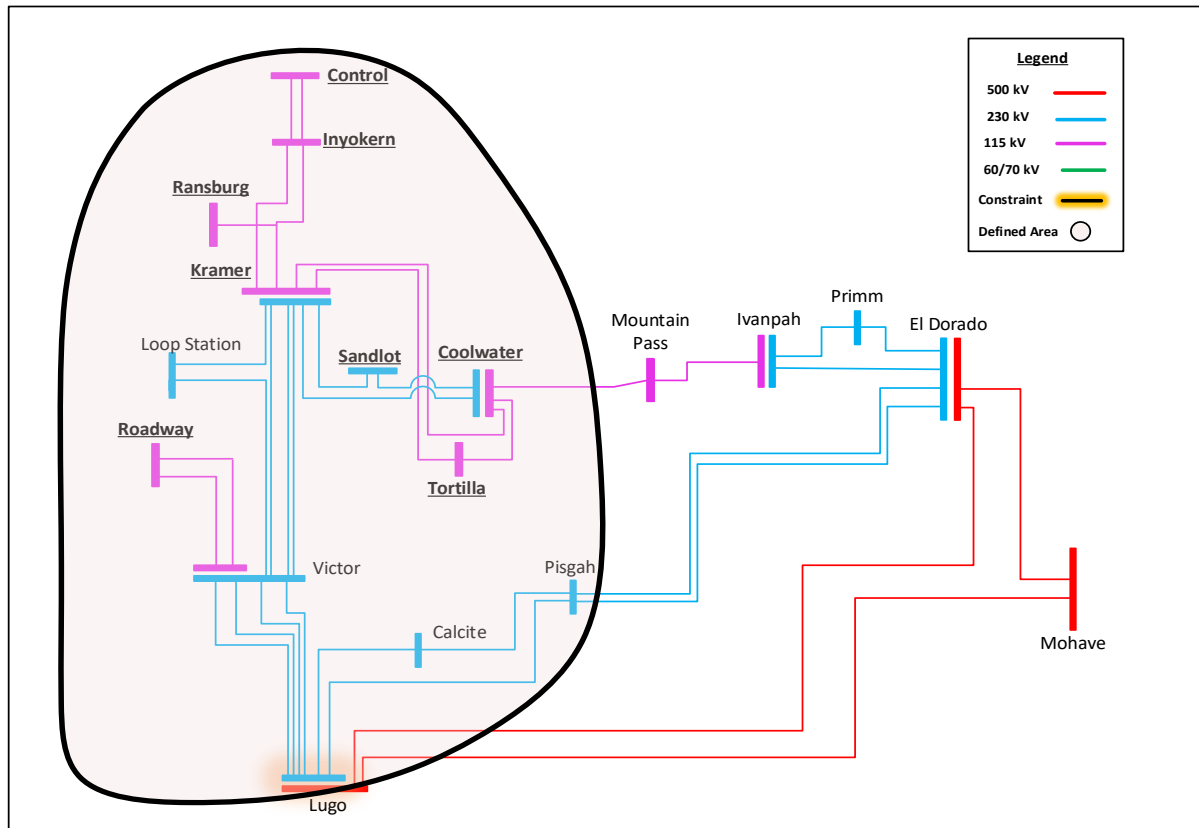
## South of Kramer Constraint



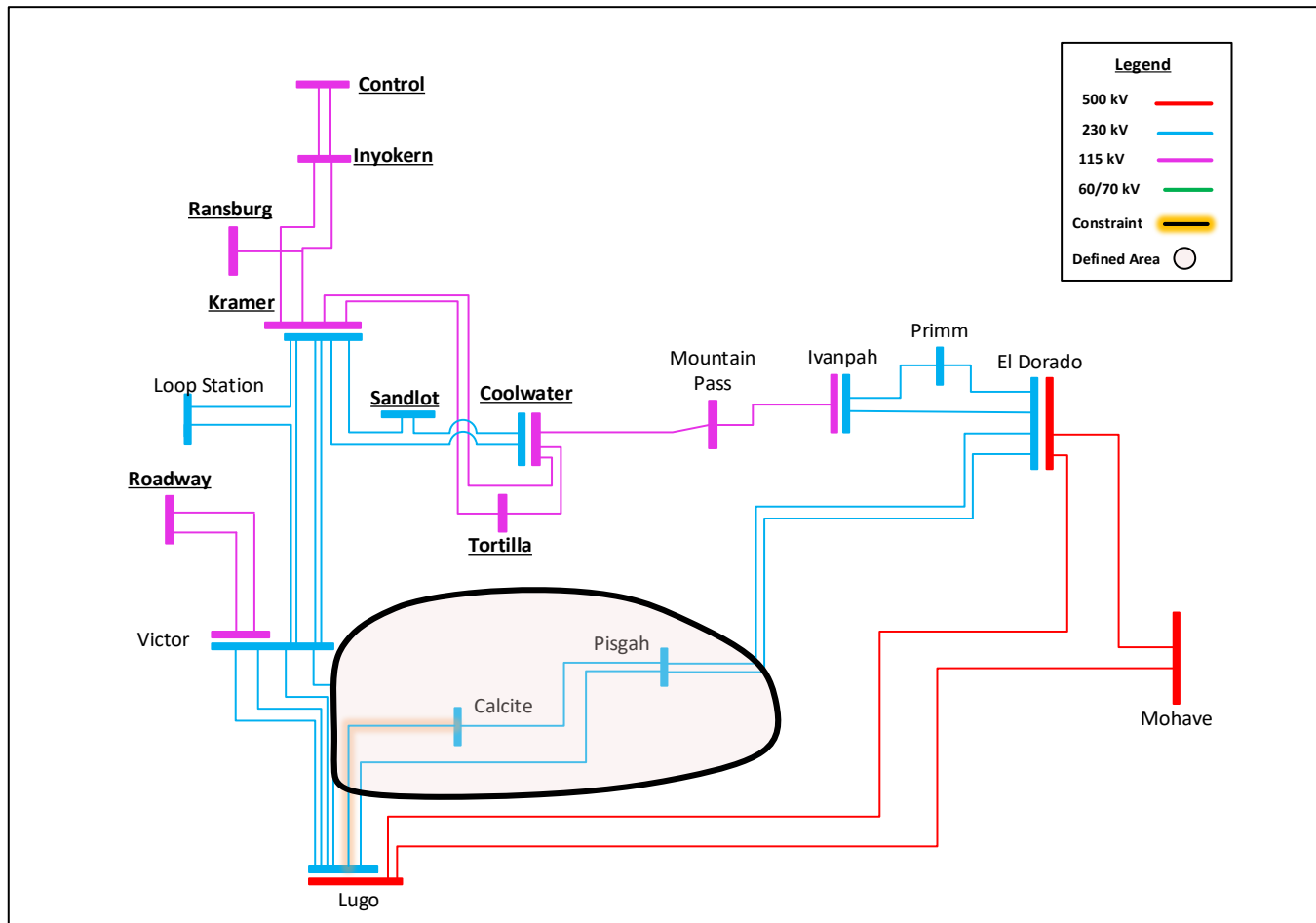
## Victor – Lugo Area Constraint



# Lugo 500/230 kV Transformer Constraint

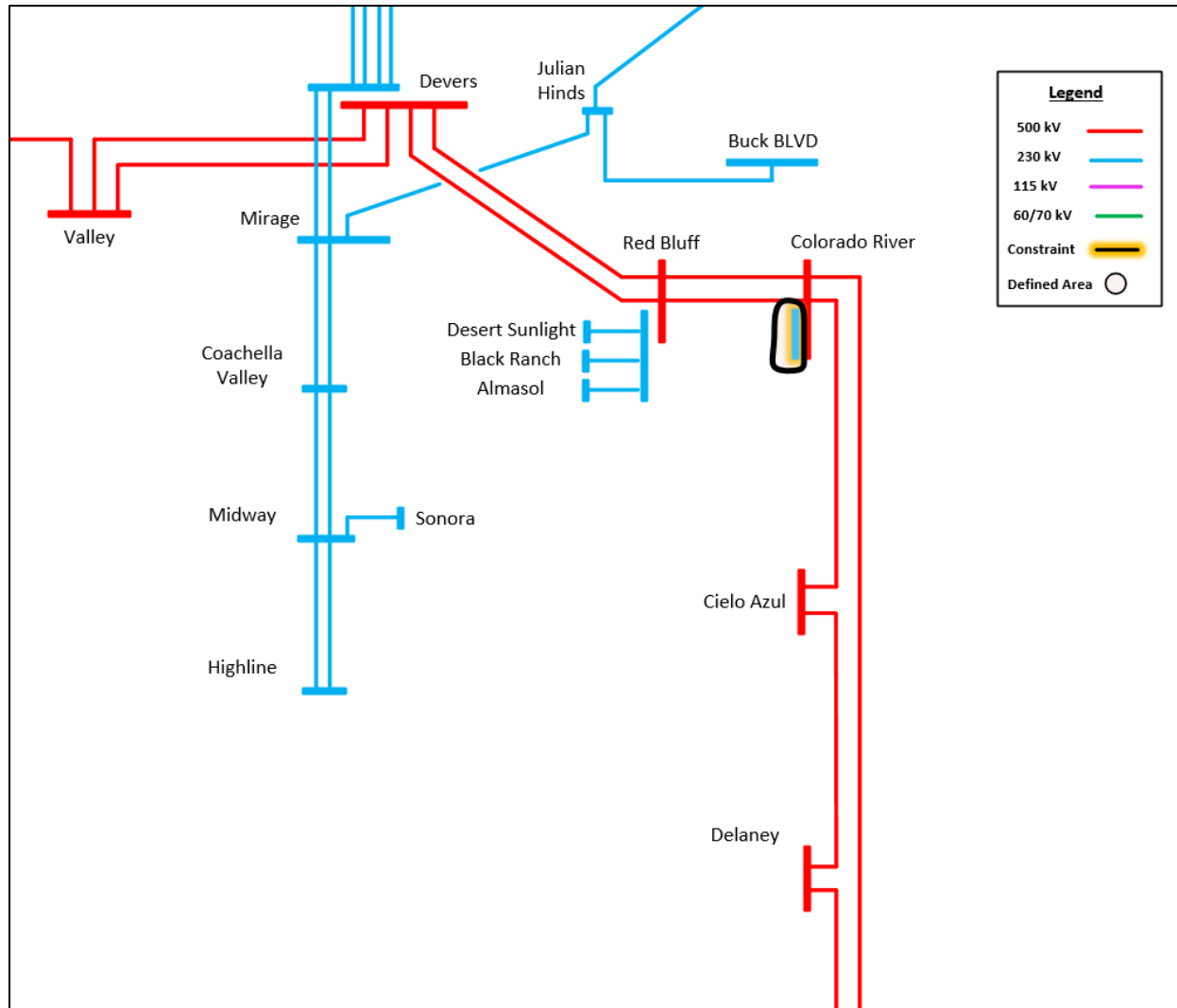


# Calcite to Lugo Area Constraint

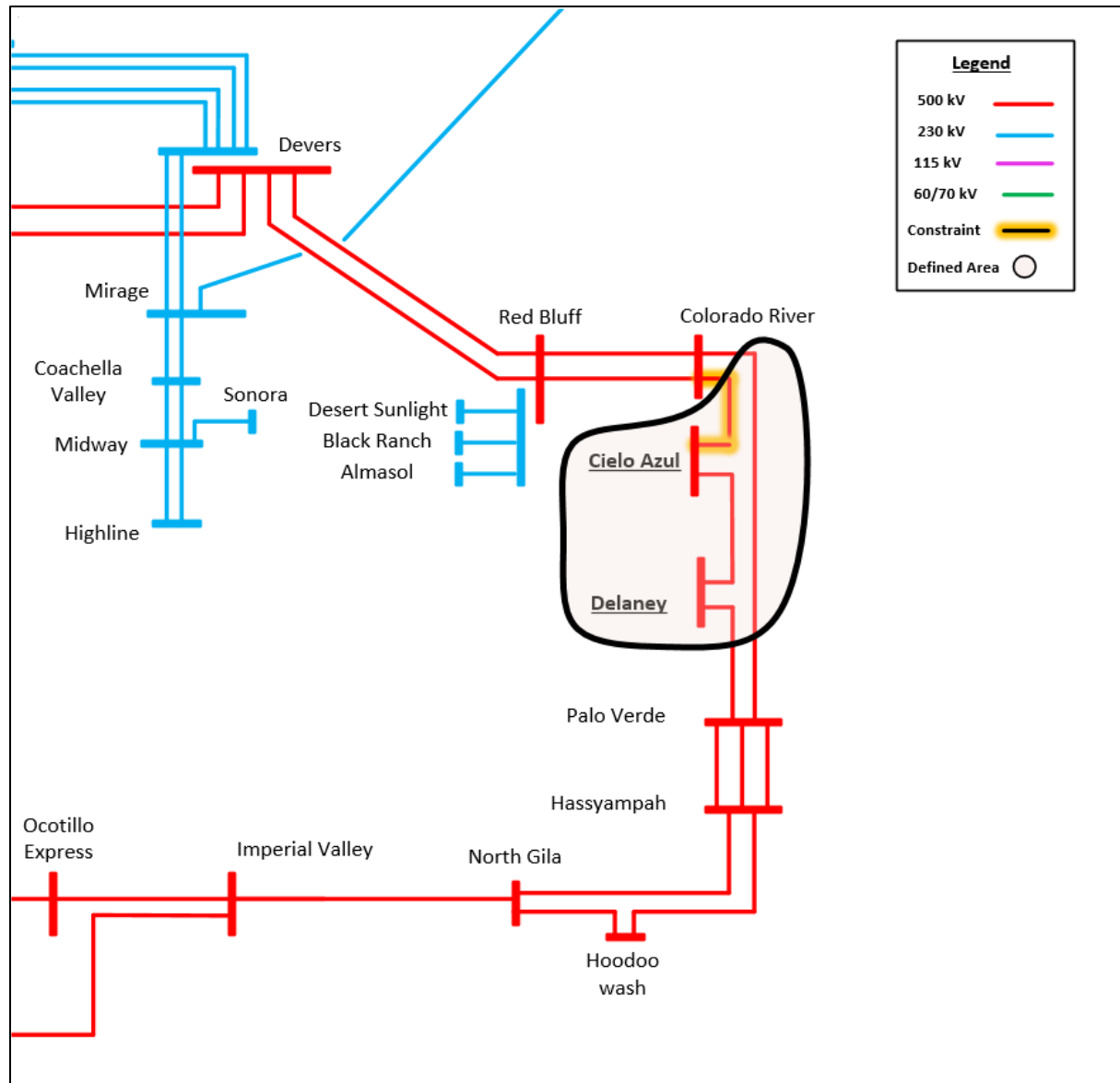


# SCE Eastern Interconnection Area Deliverability Constraints

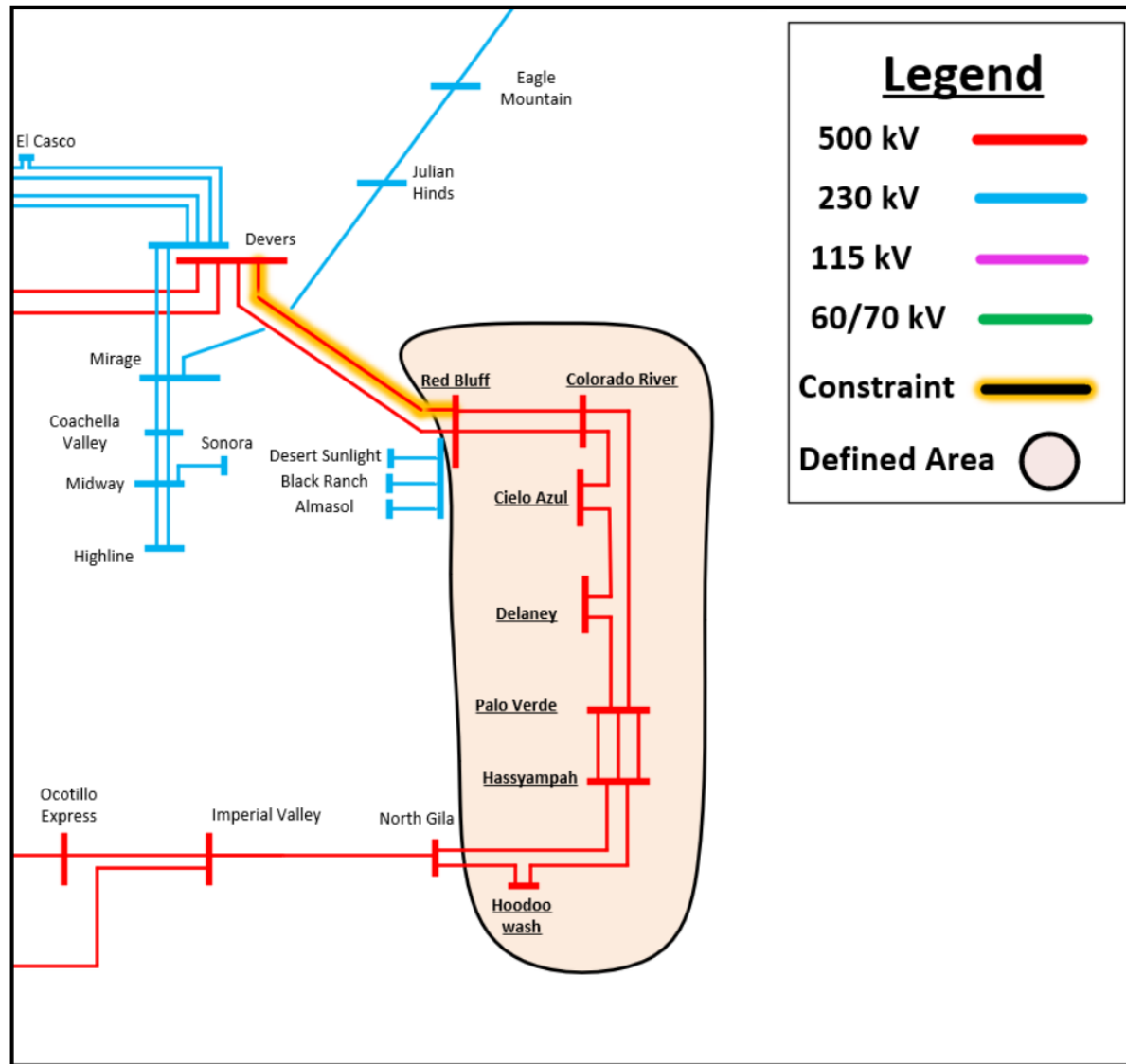
## Colorado River 500/230 kV On-Peak Constraint (230 kV bus only)



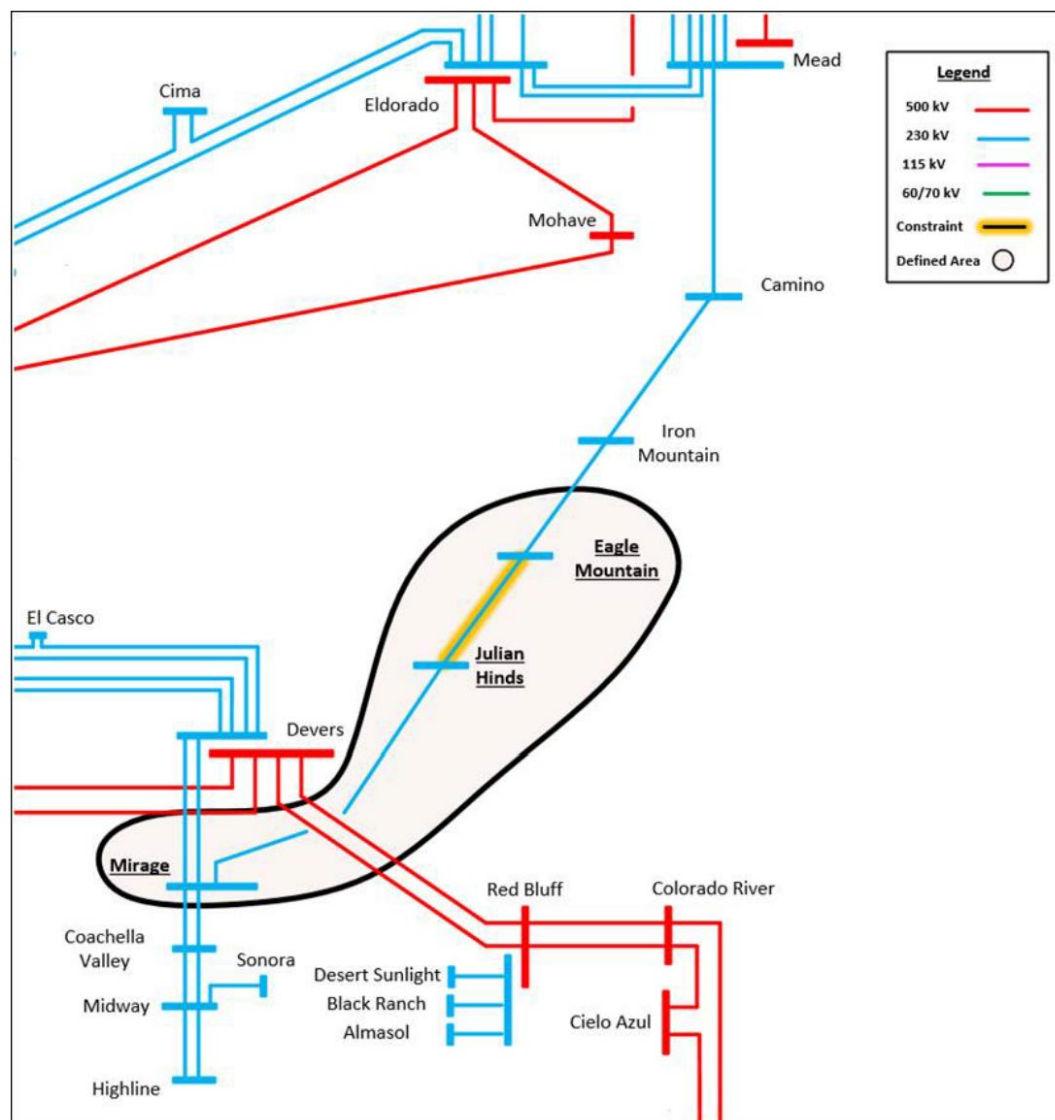
## DCRT On-Peak Constraint



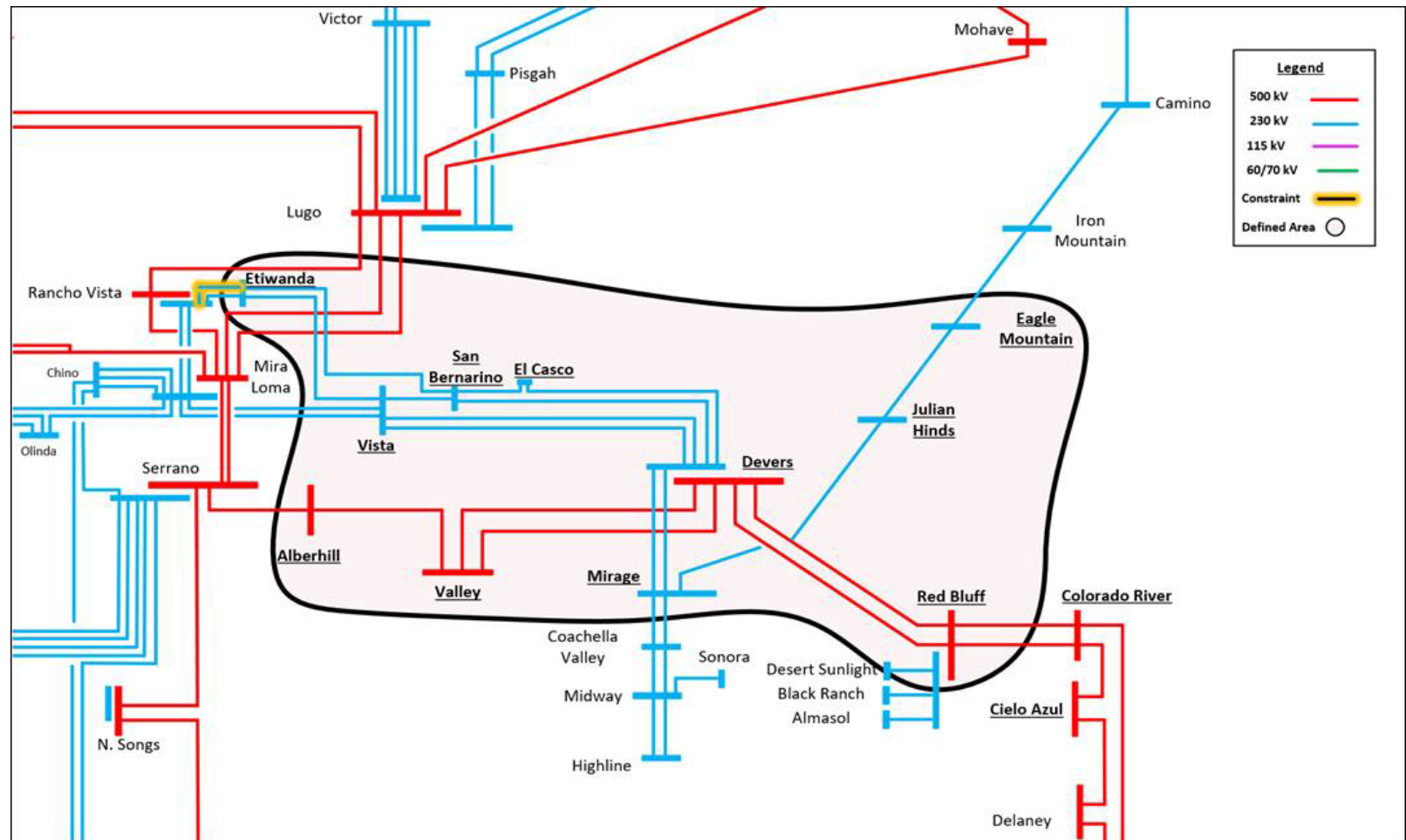
## Devers-Red Bluff On-Peak Constraint



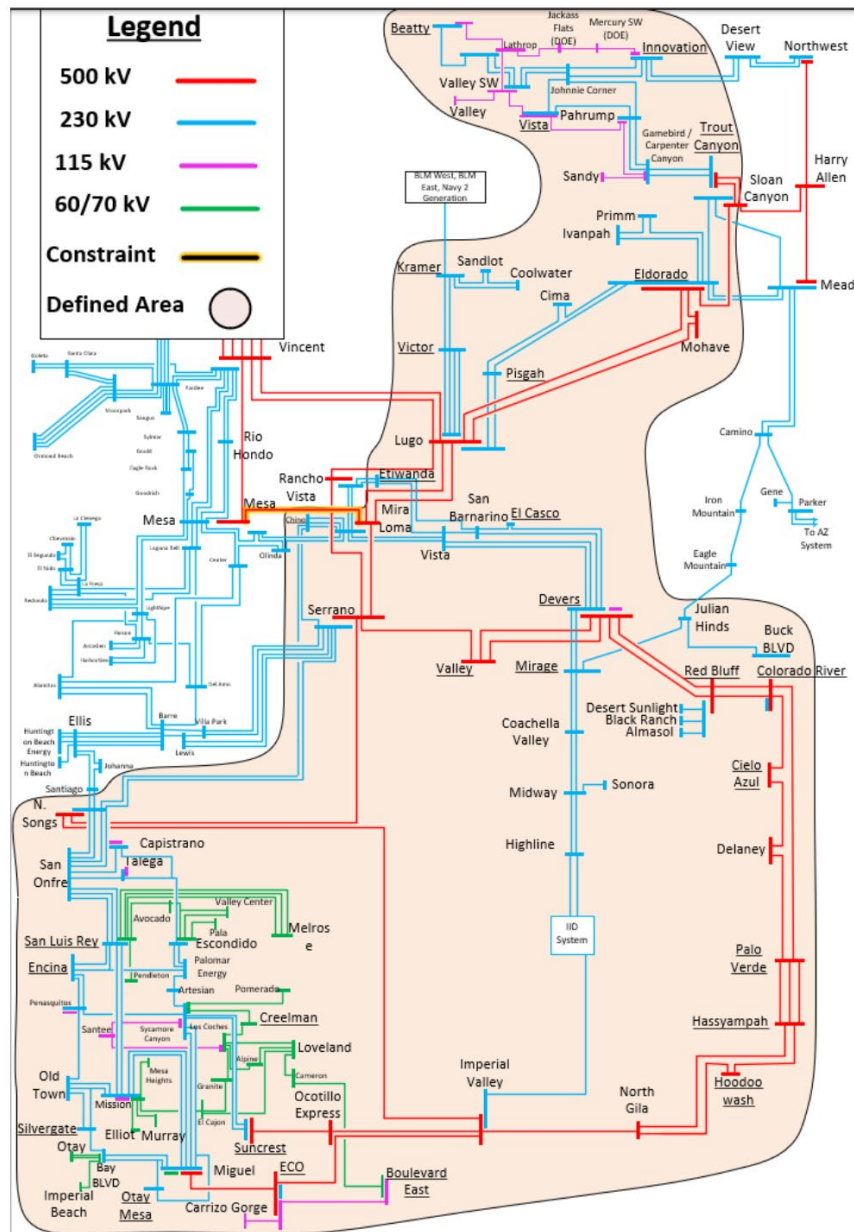
## Eagle Mountain On-Peak Constraint



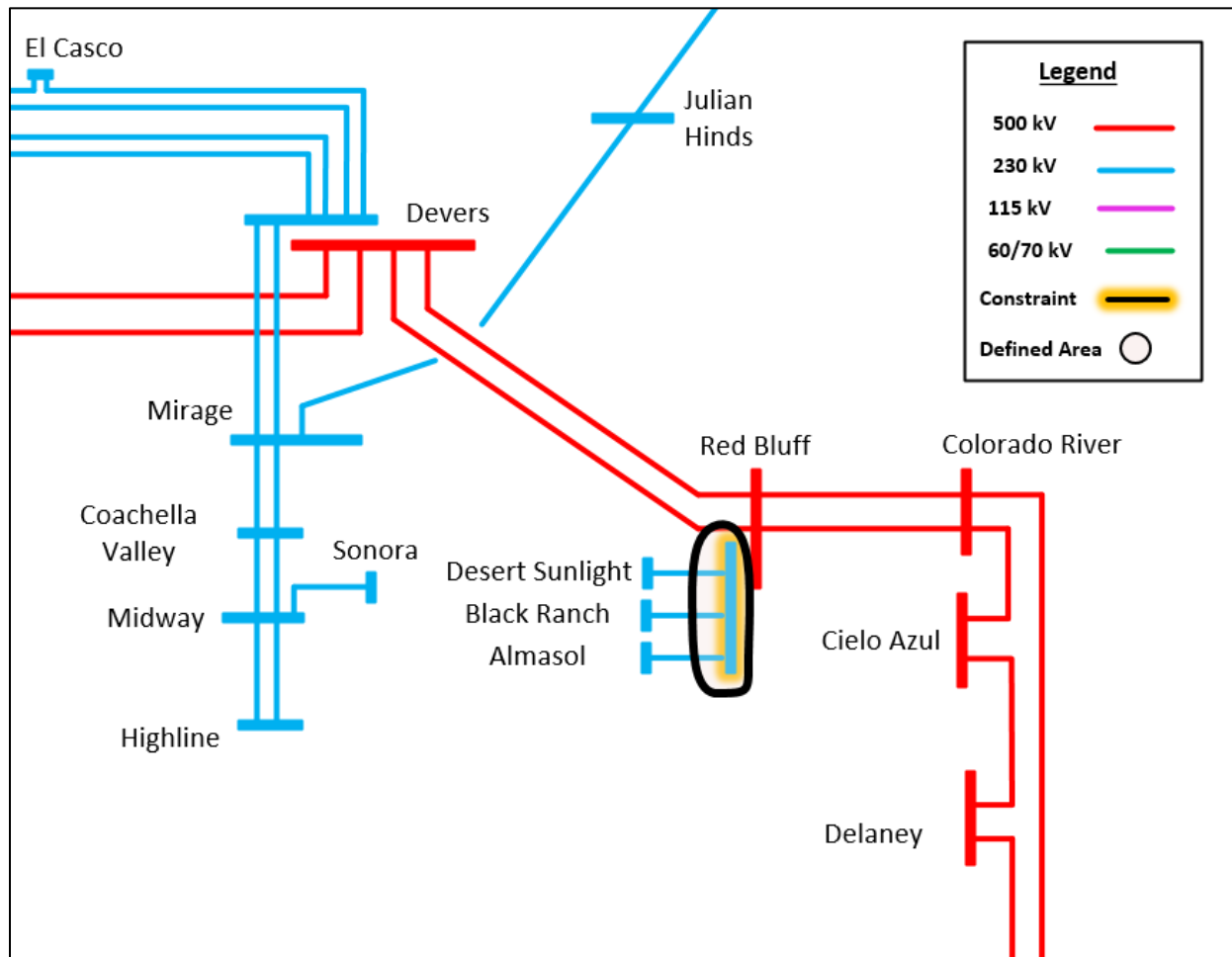
## Etiwanda-Rancho Vista On-Peak Constraint



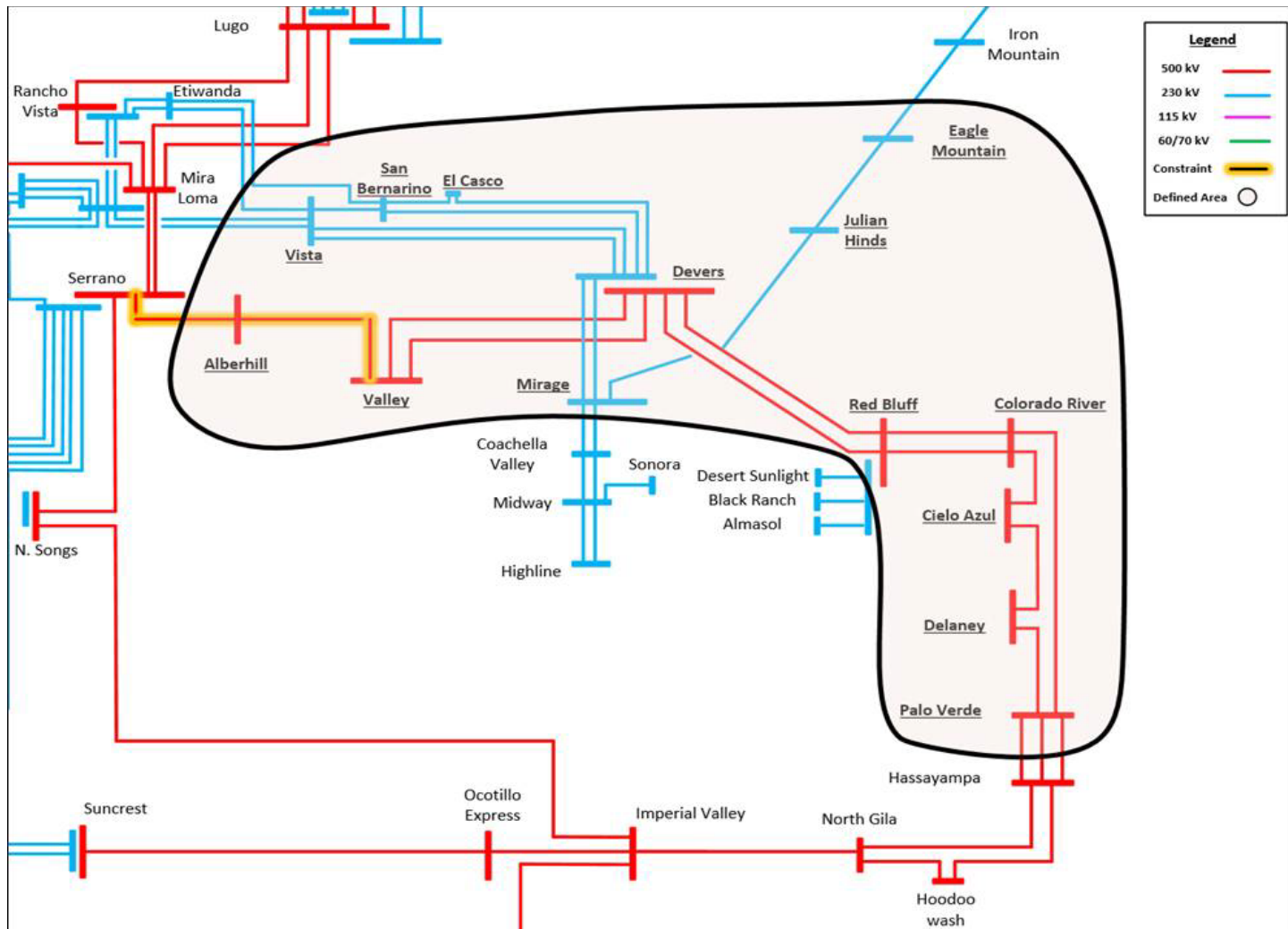
## Mira Loma-Mesa On-Peak Constraint



## Red Bluff 500/230 kV On-Peak Constraint (230 kV only)

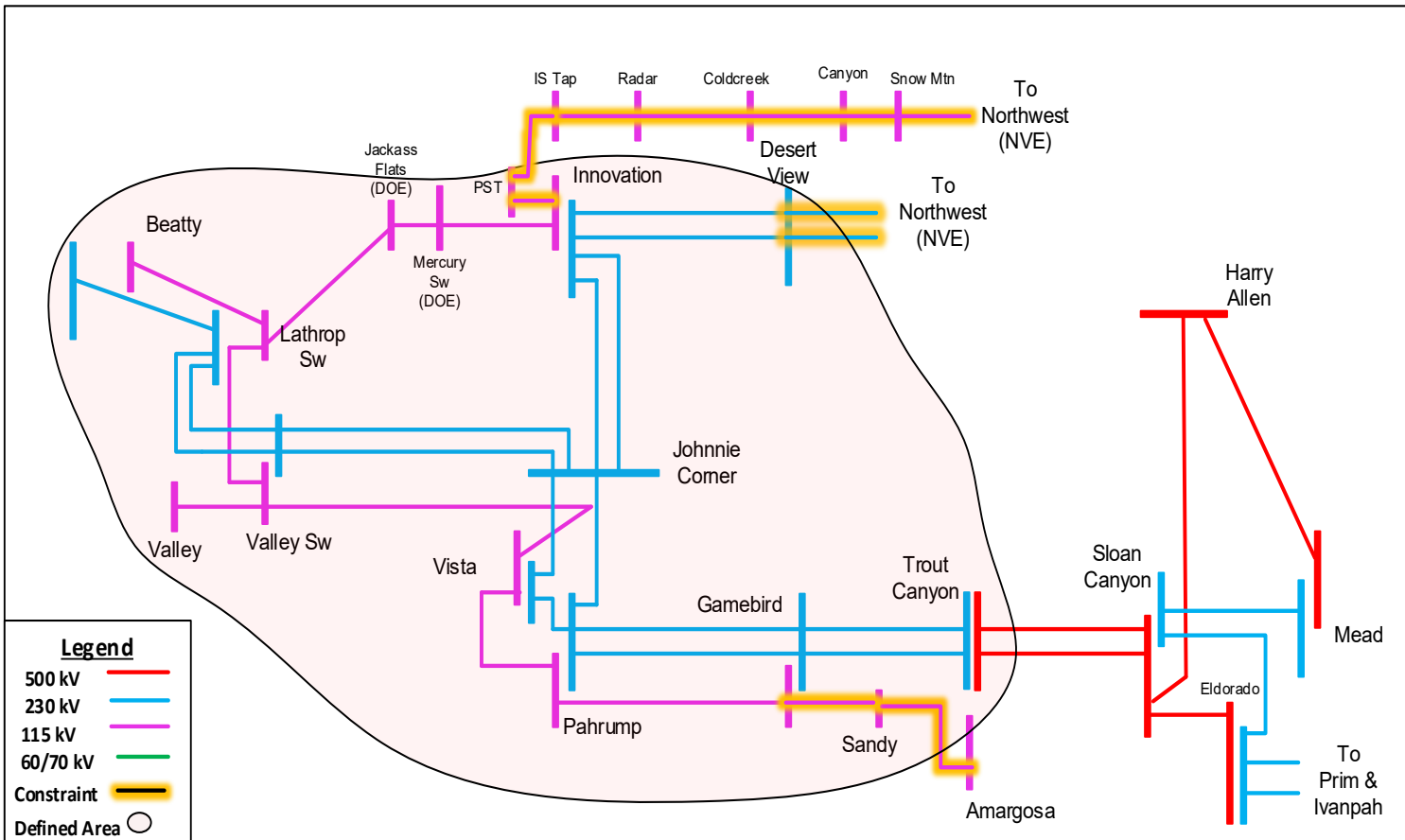


## Serrano-Alberhill-Valley On-Peak Constraint

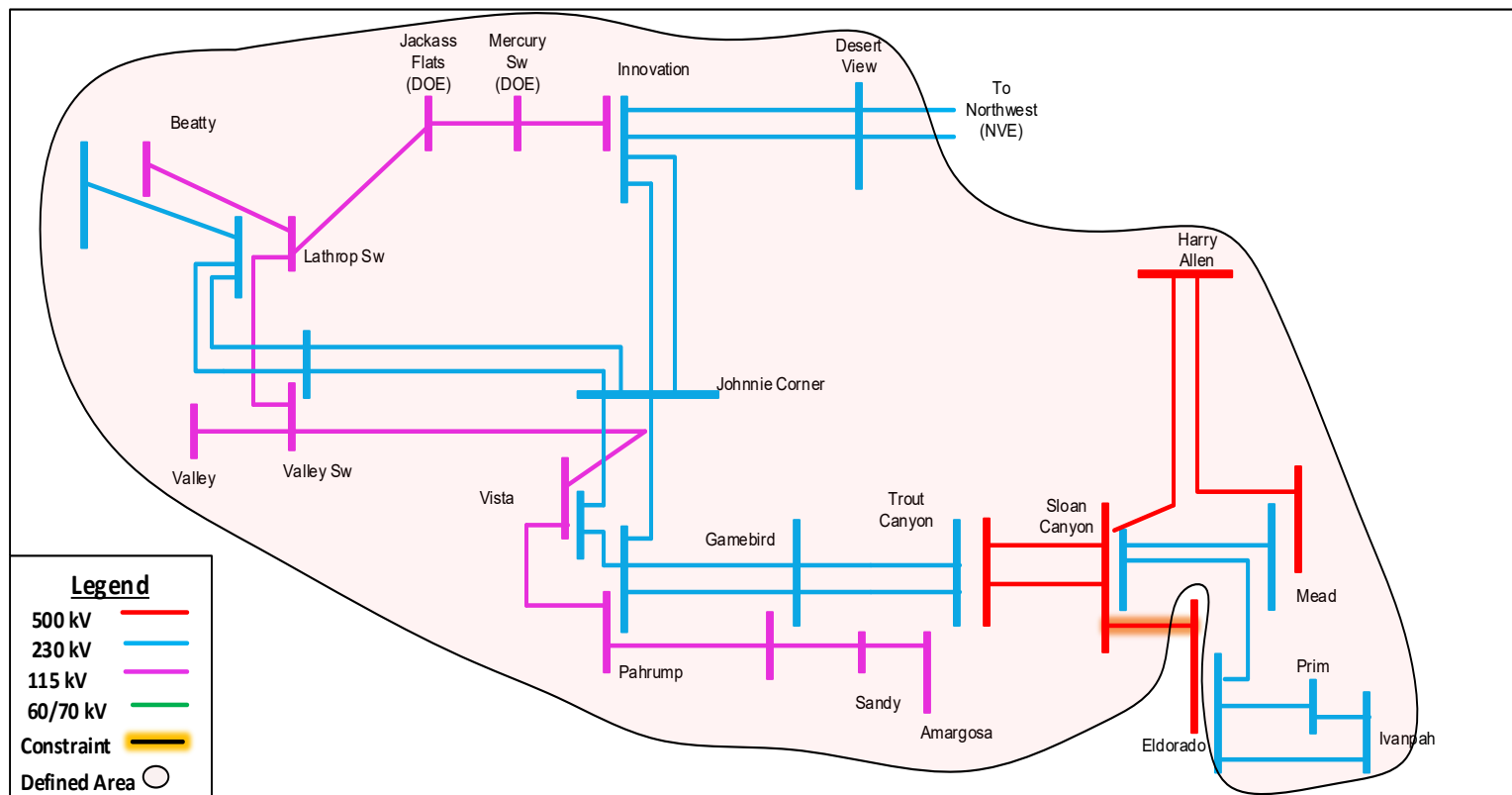


# East of Pisgah Interconnection Area Deliverability Constraints

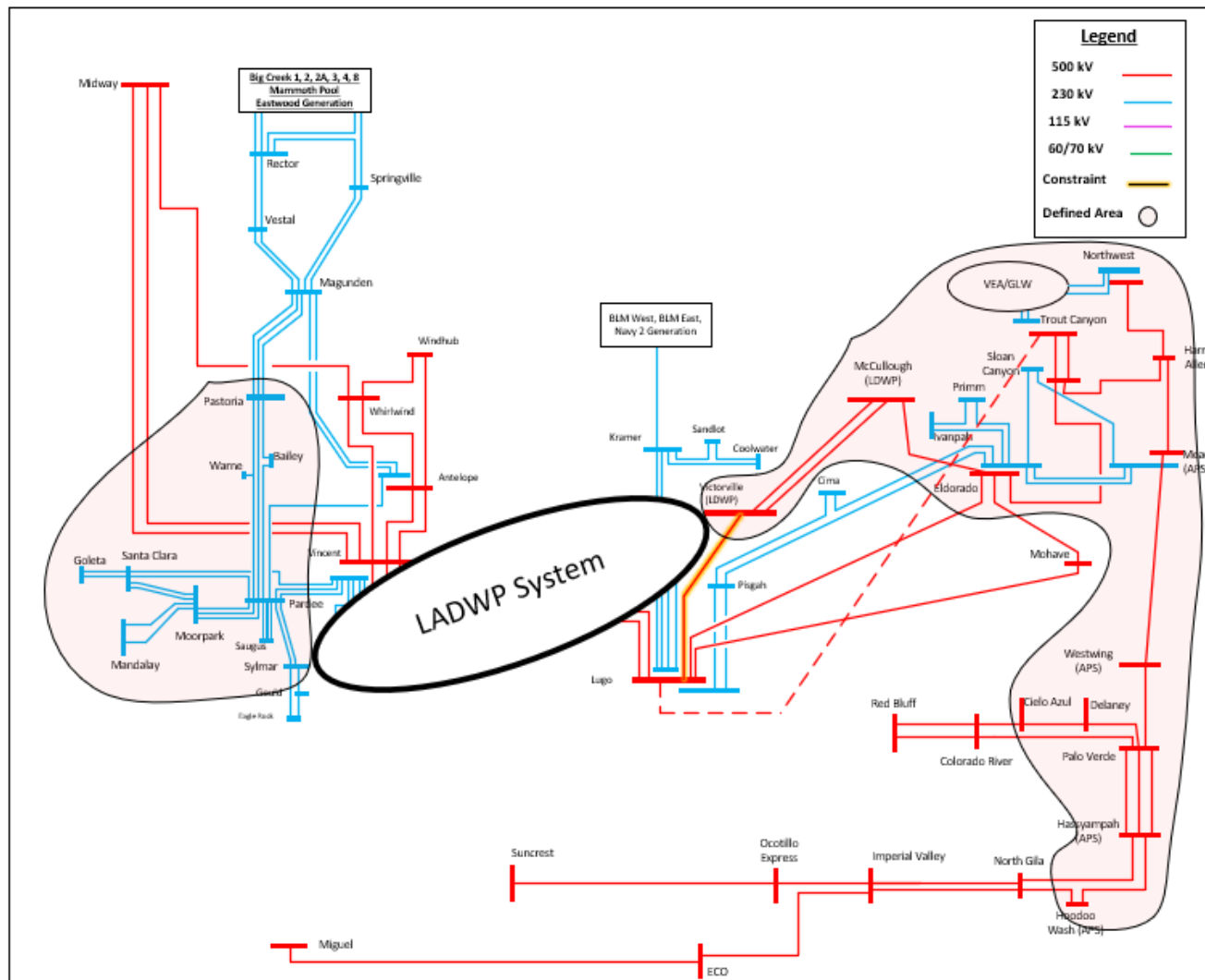
## GLW Area Constraint



## Sloan Canyon – Eldorado 500 kV Area Constraint

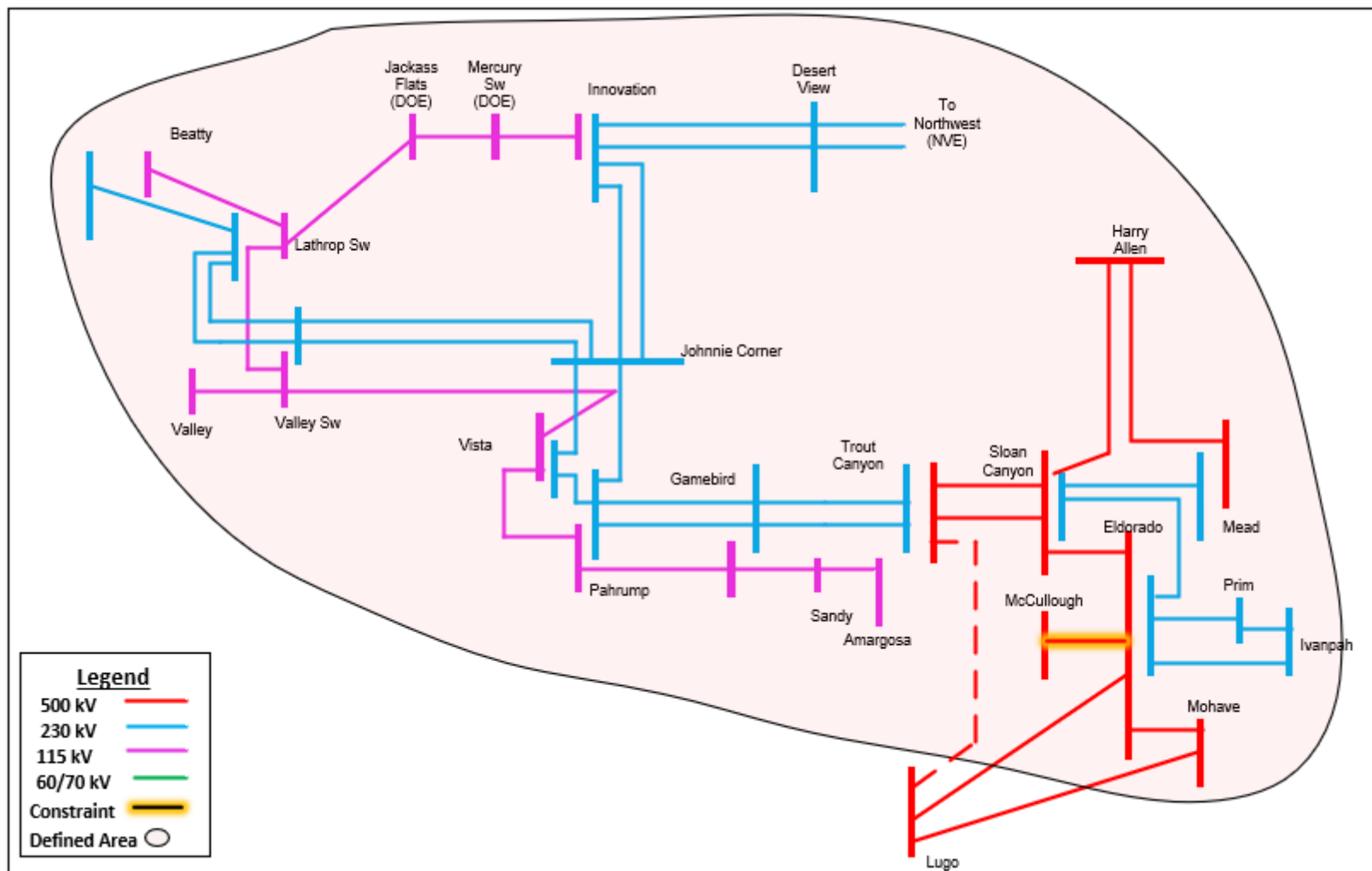


# Lugo-Victorville Area Constraint



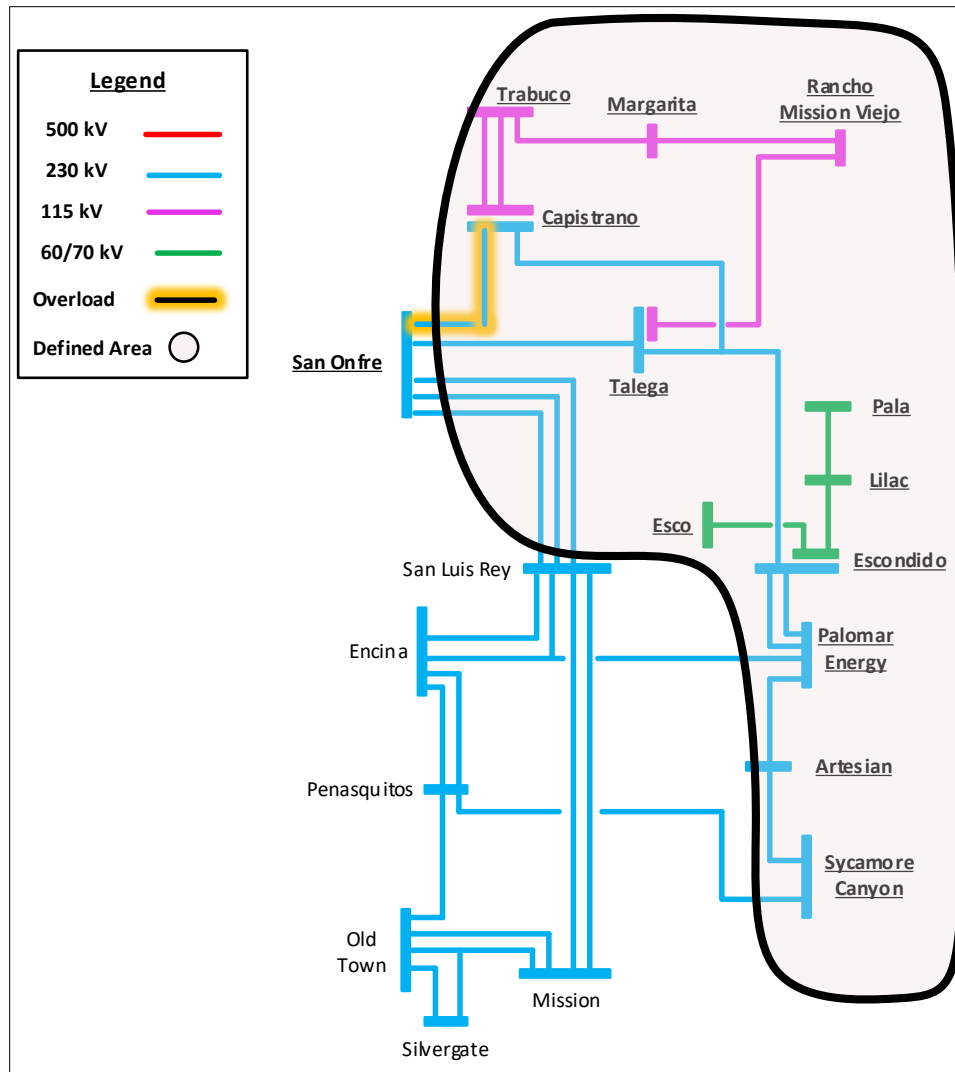
Note: The GLW/VEA system, which is not shown in detail, is inside the constraint boundary.

## Eldorado -McCullough Area Constraint

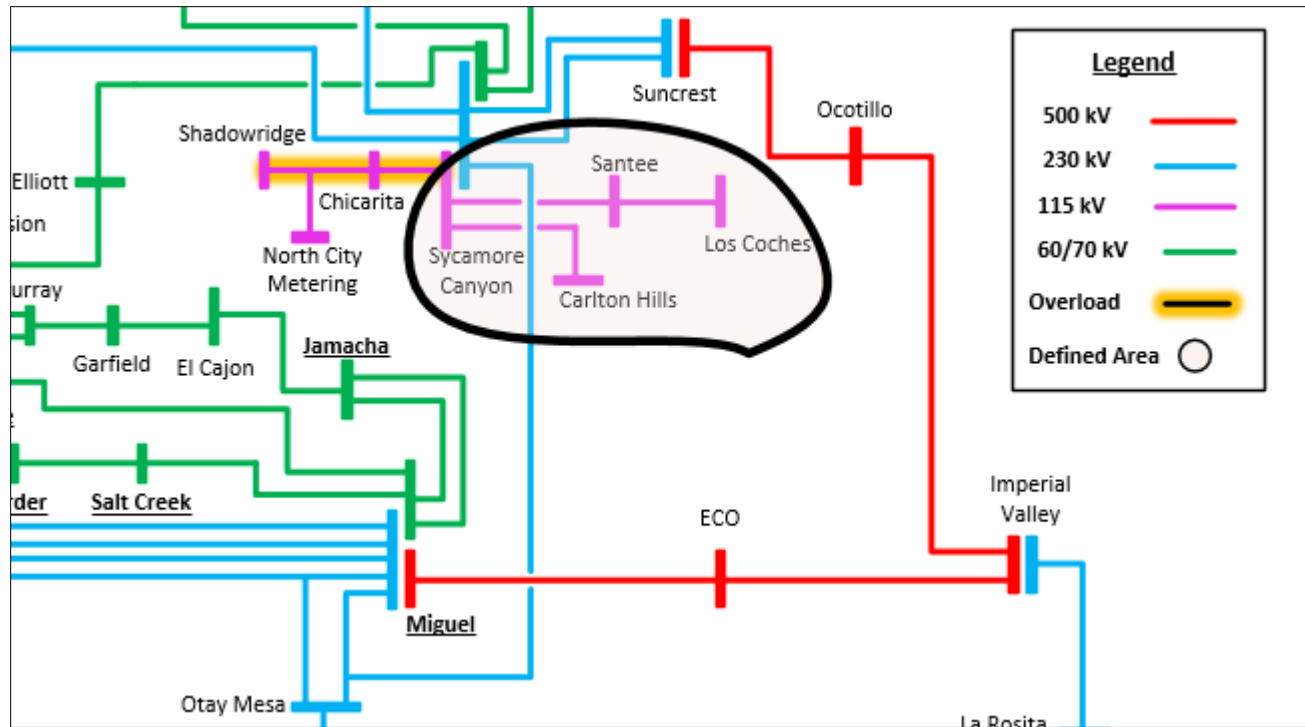


# SDG&E Interconnection Area Deliverability Constraints

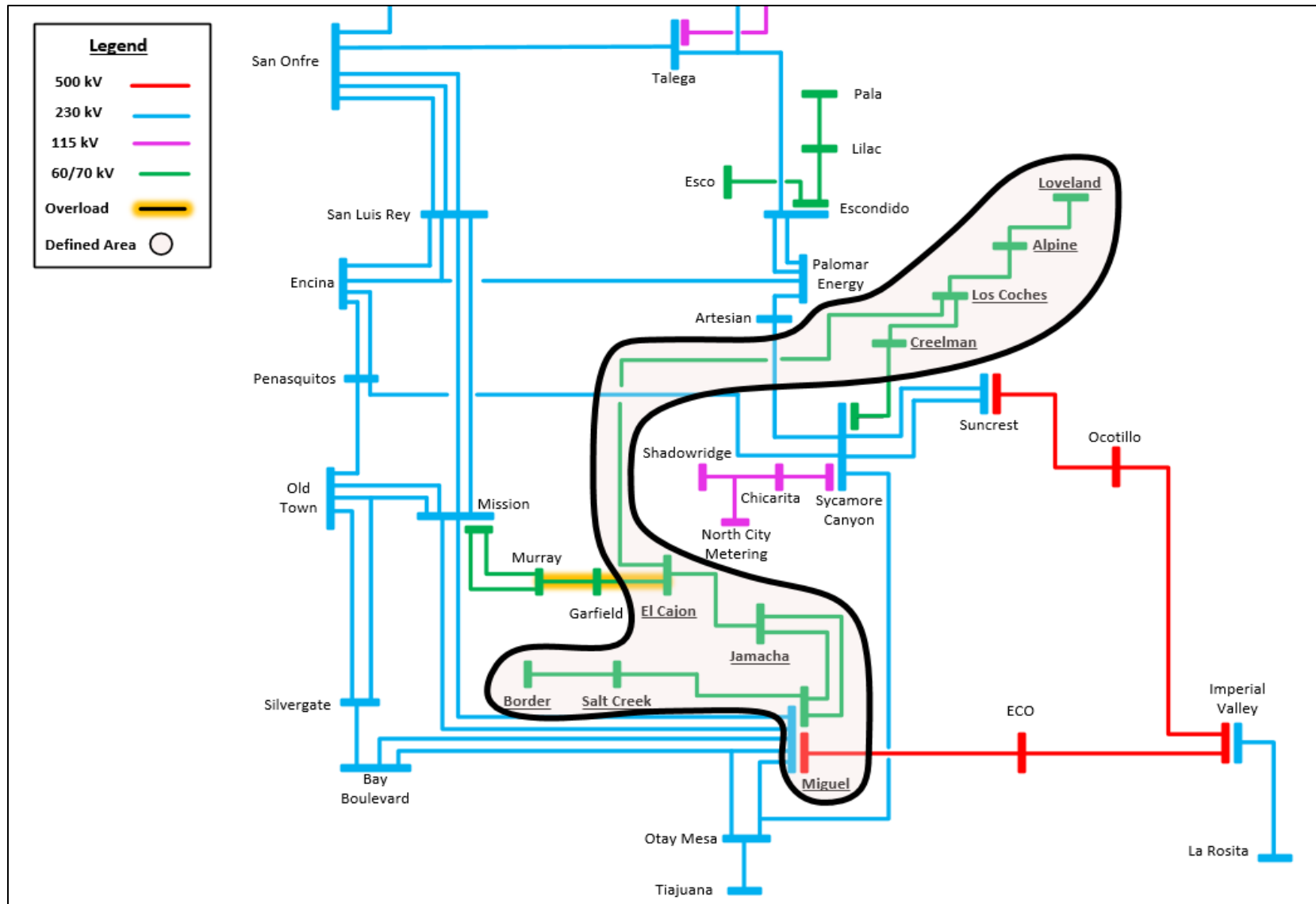
## Capistrano-San Onofre 230 kV On-Peak Constraint



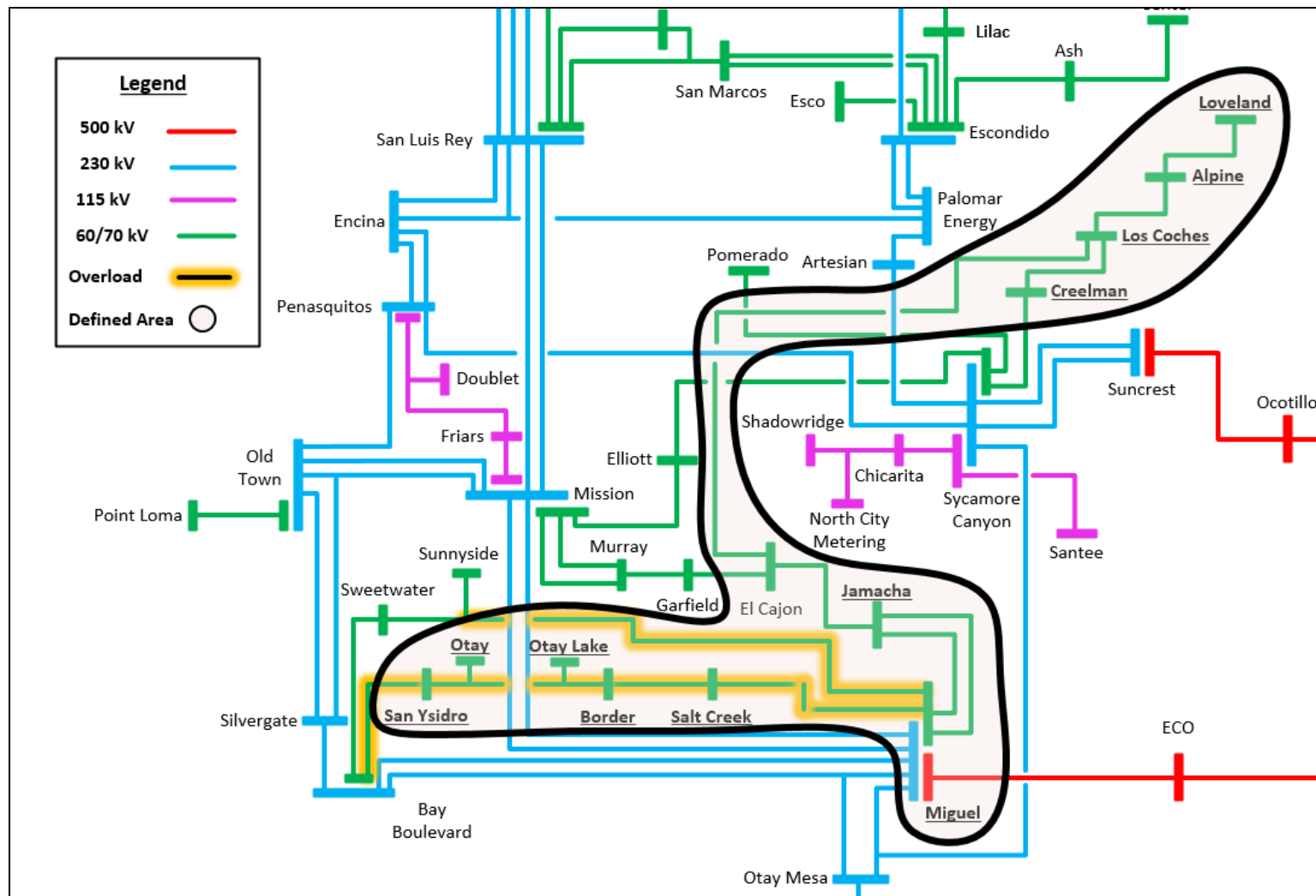
## Chicarita 138 kV On-Peak Constraint



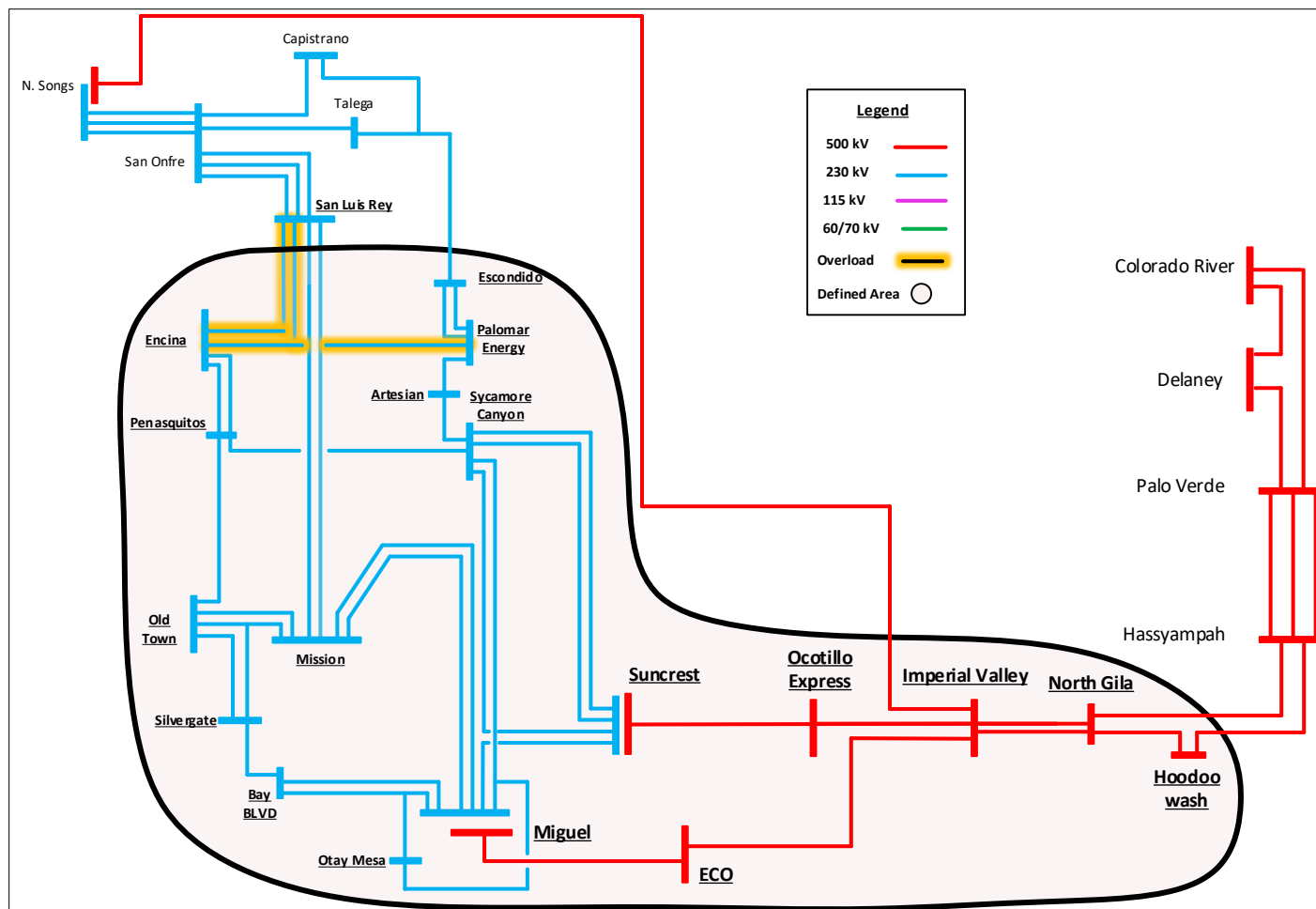
## El Cajon 69 kV On-Peak Constraint



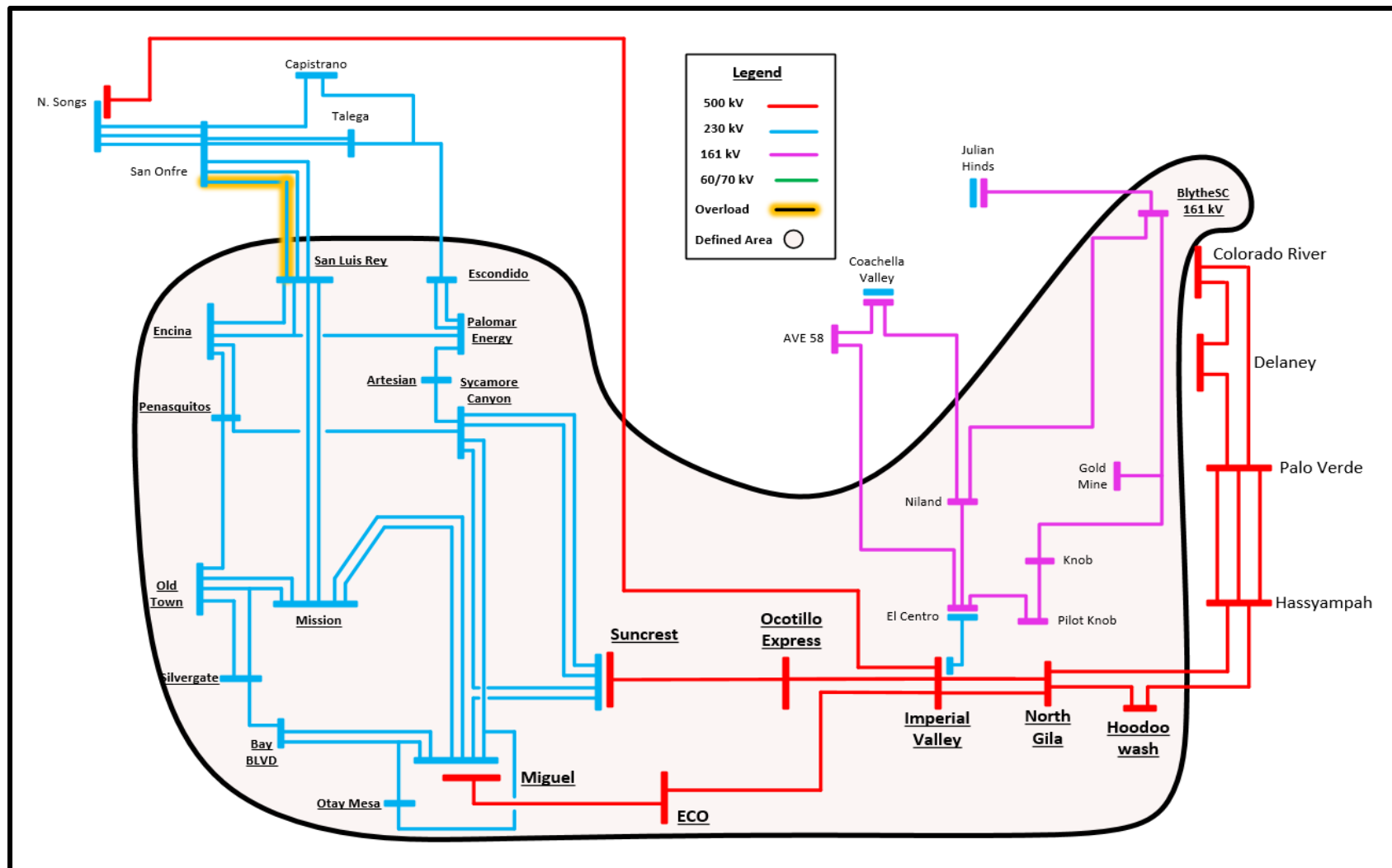
## Miguel 69 kV On-Peak Constraint



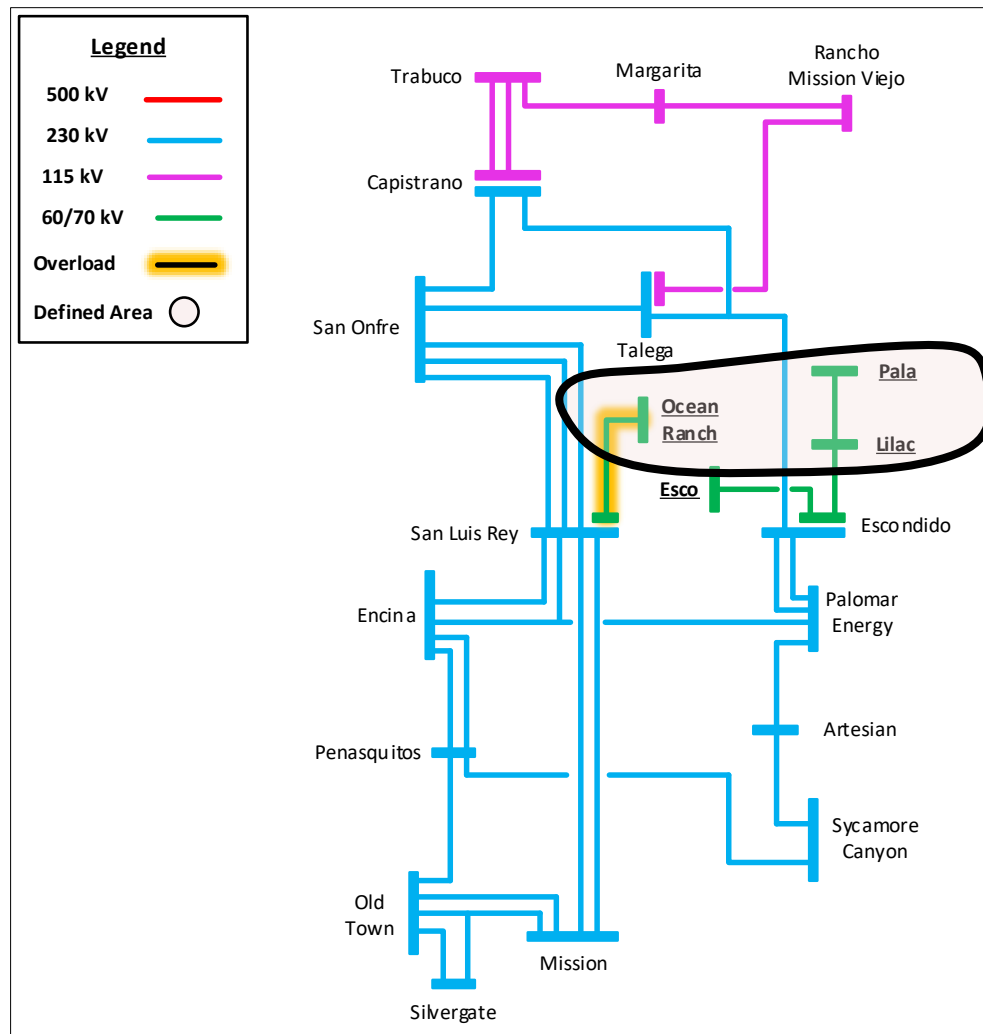
## Encina - San Luis Rey 230 kV On-Peak/Off-Peak Constraint



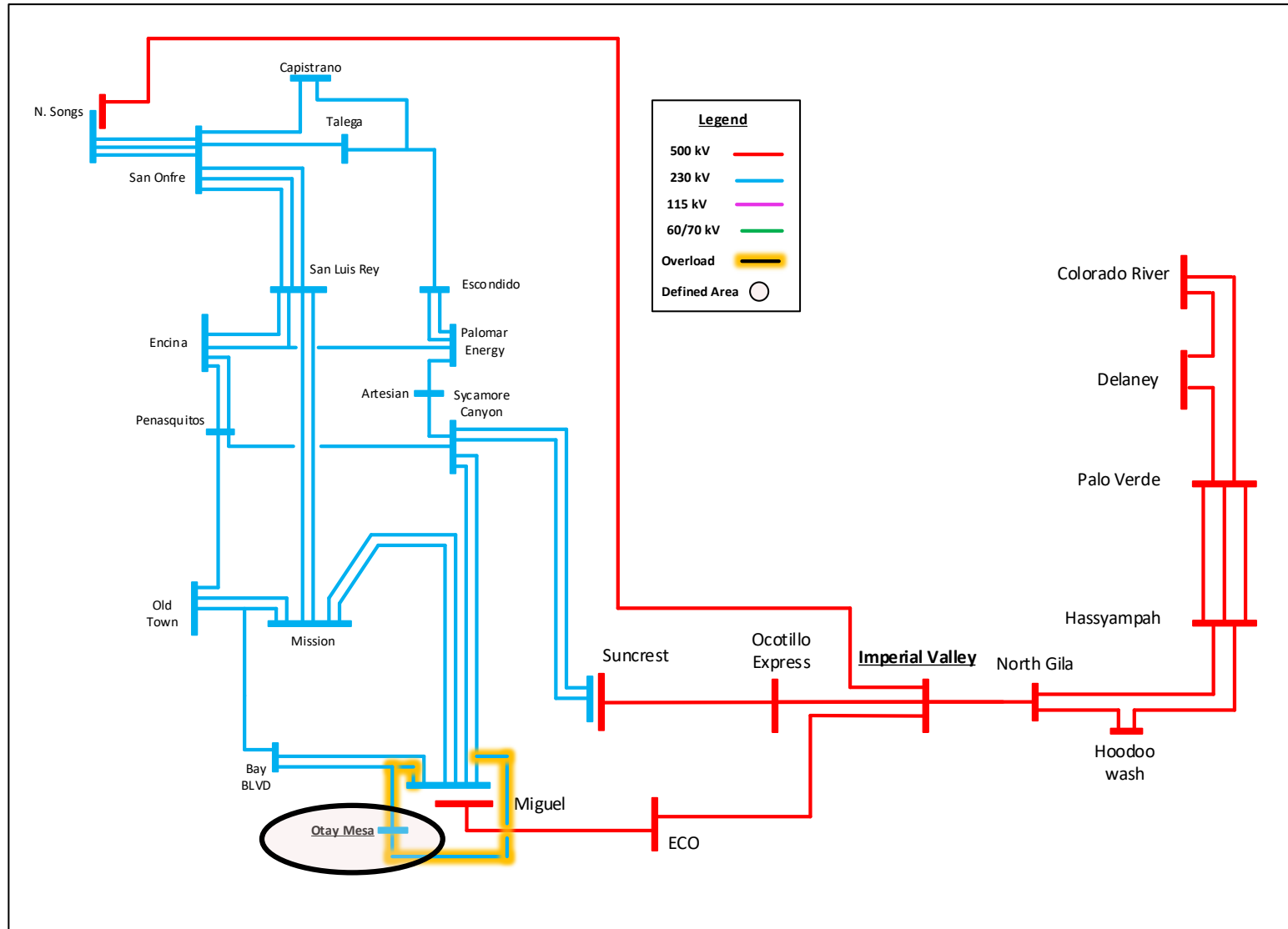
## San Luis Rey-San Onofre 230 kV On-Peak/Off-Peak Constraint



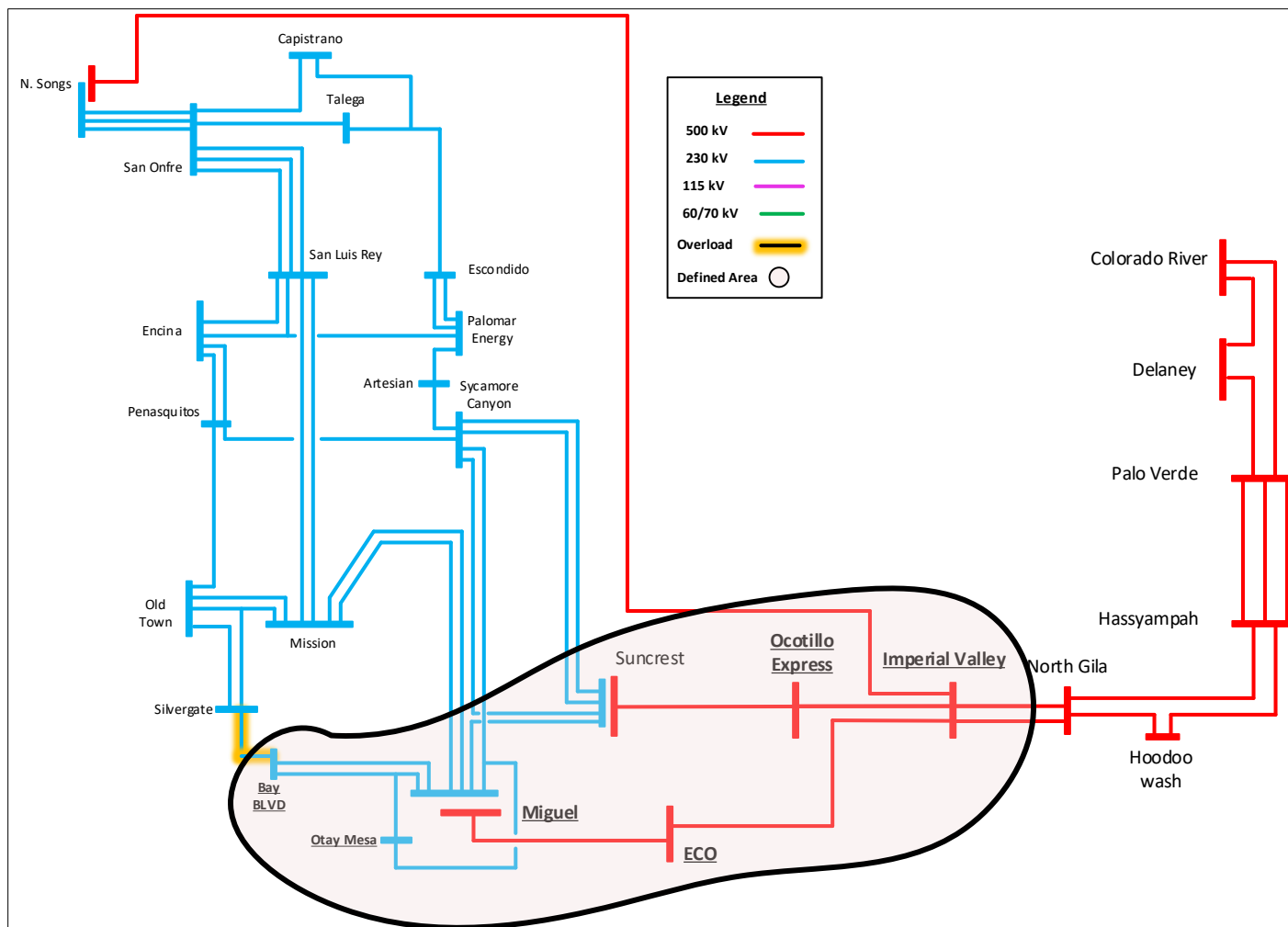
## Ocean Ranch 69 kV On-Peak Constraint



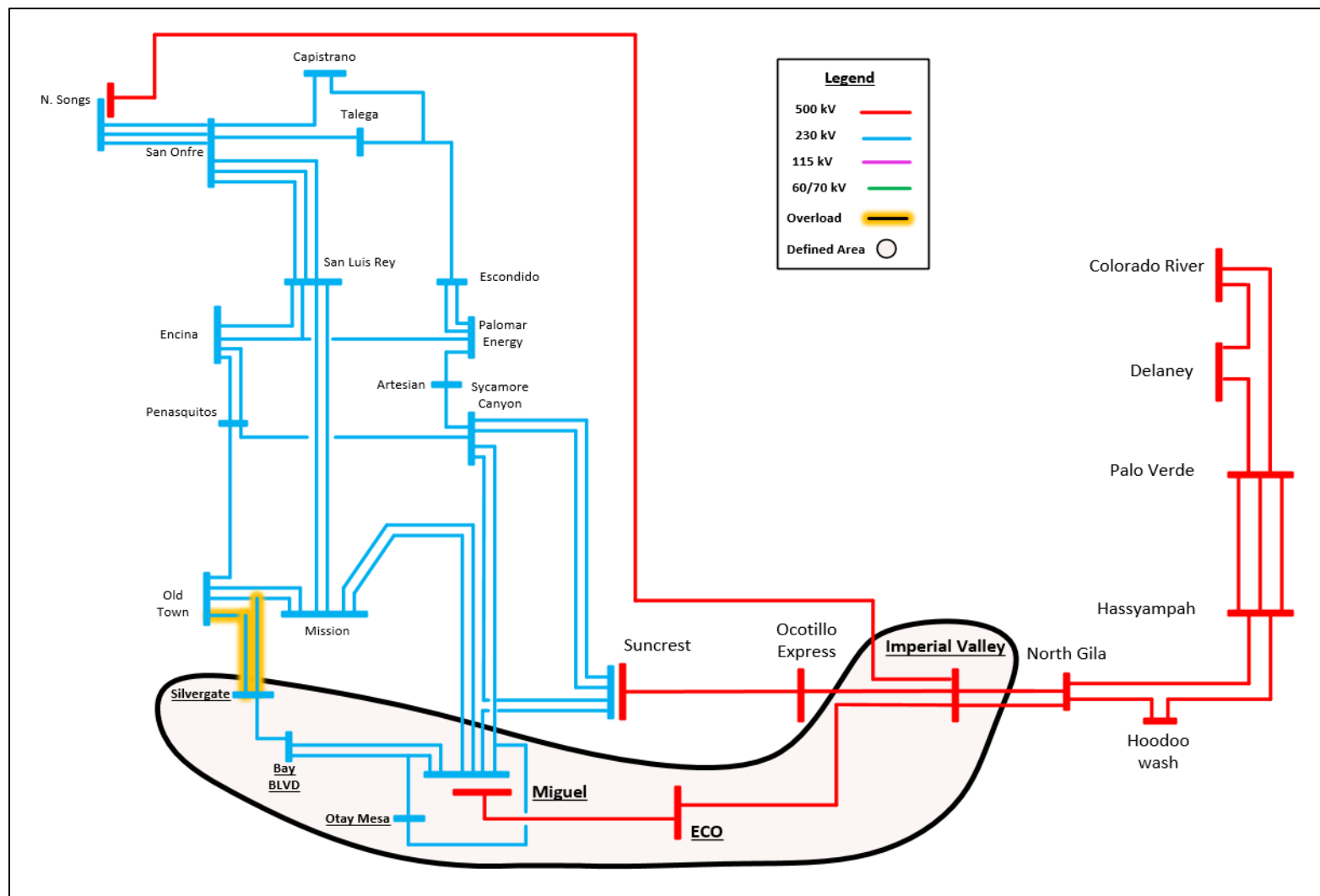
## Otay Mesa 230 kV On-Peak Constraint



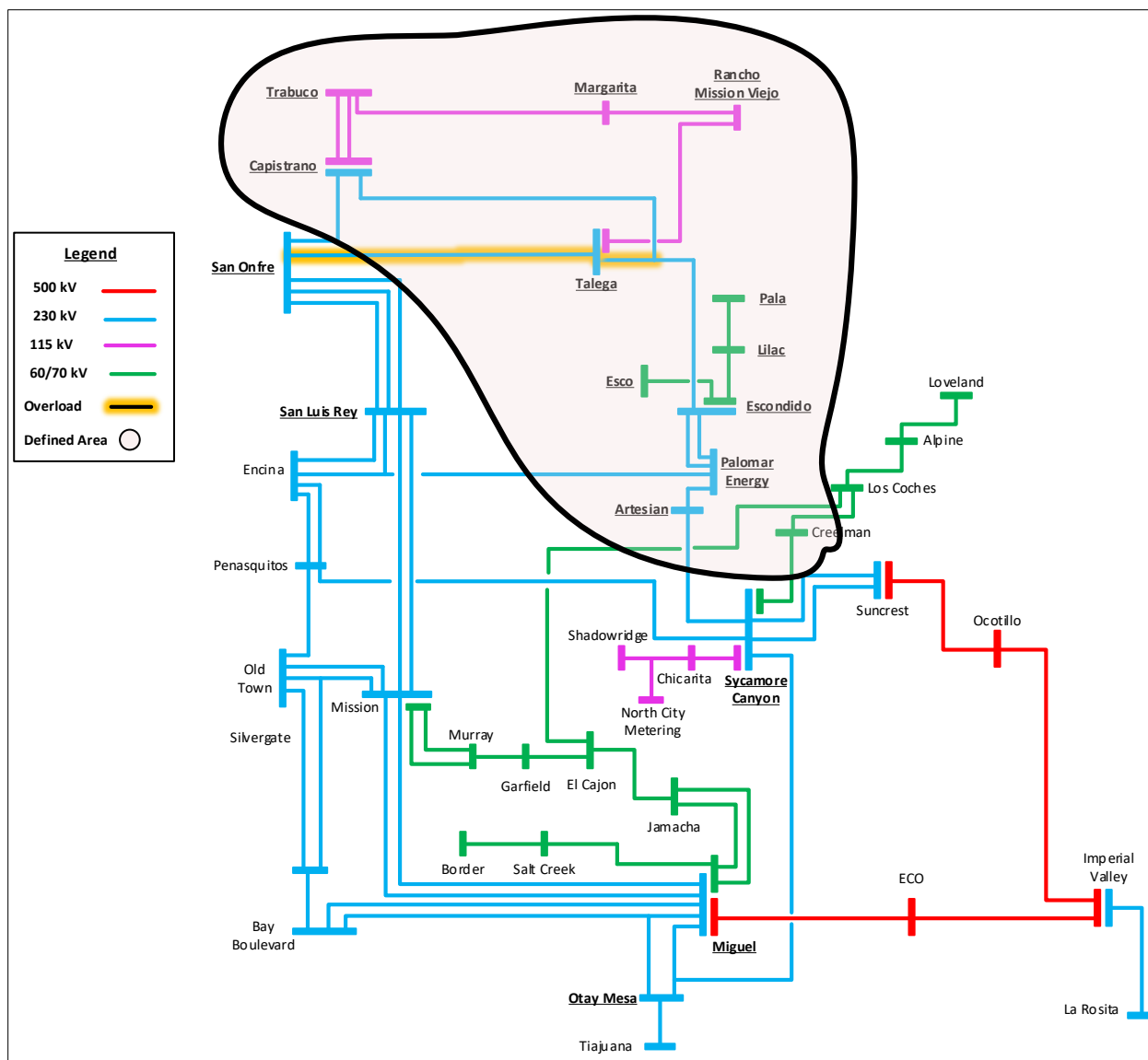
## Silvergate - Bay Blvd 230 kV On-Peak/Off-Peak Constraint



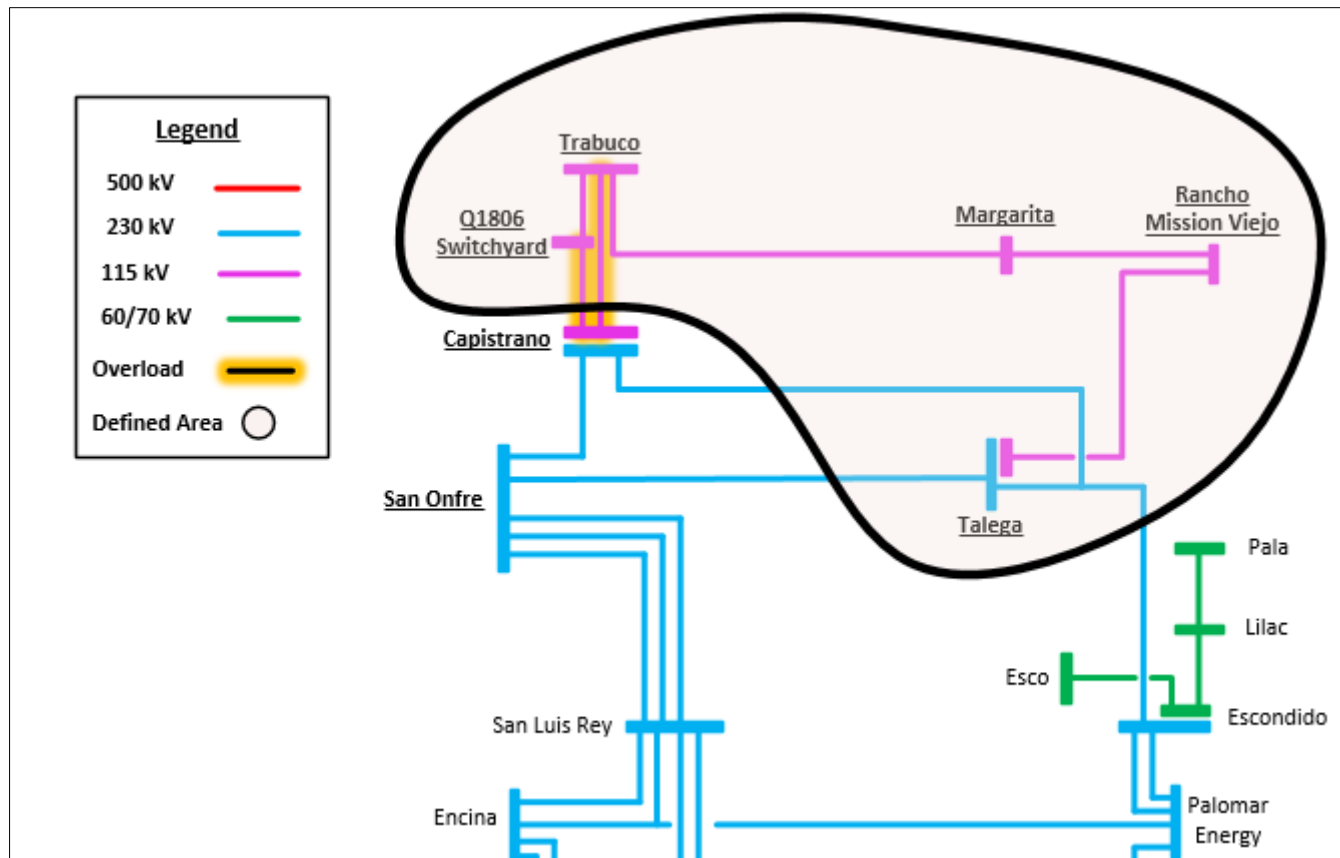
## Silvergate-Old Town 230 kV On-Peak Constraint



# Talega 230 kV On-Peak Constraint

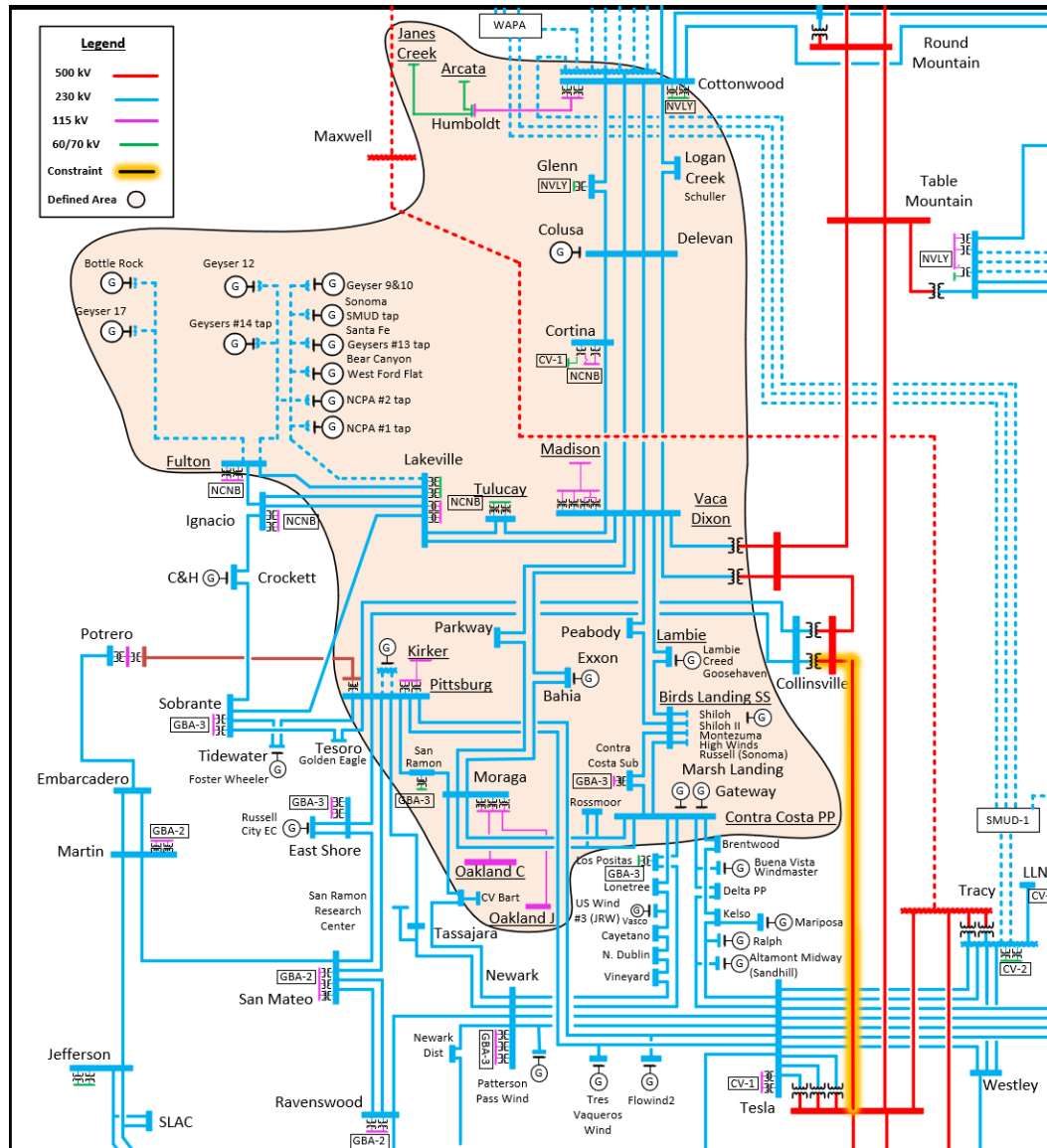


## Trabuco-Capistrano 138 kV On-Peak Constraint



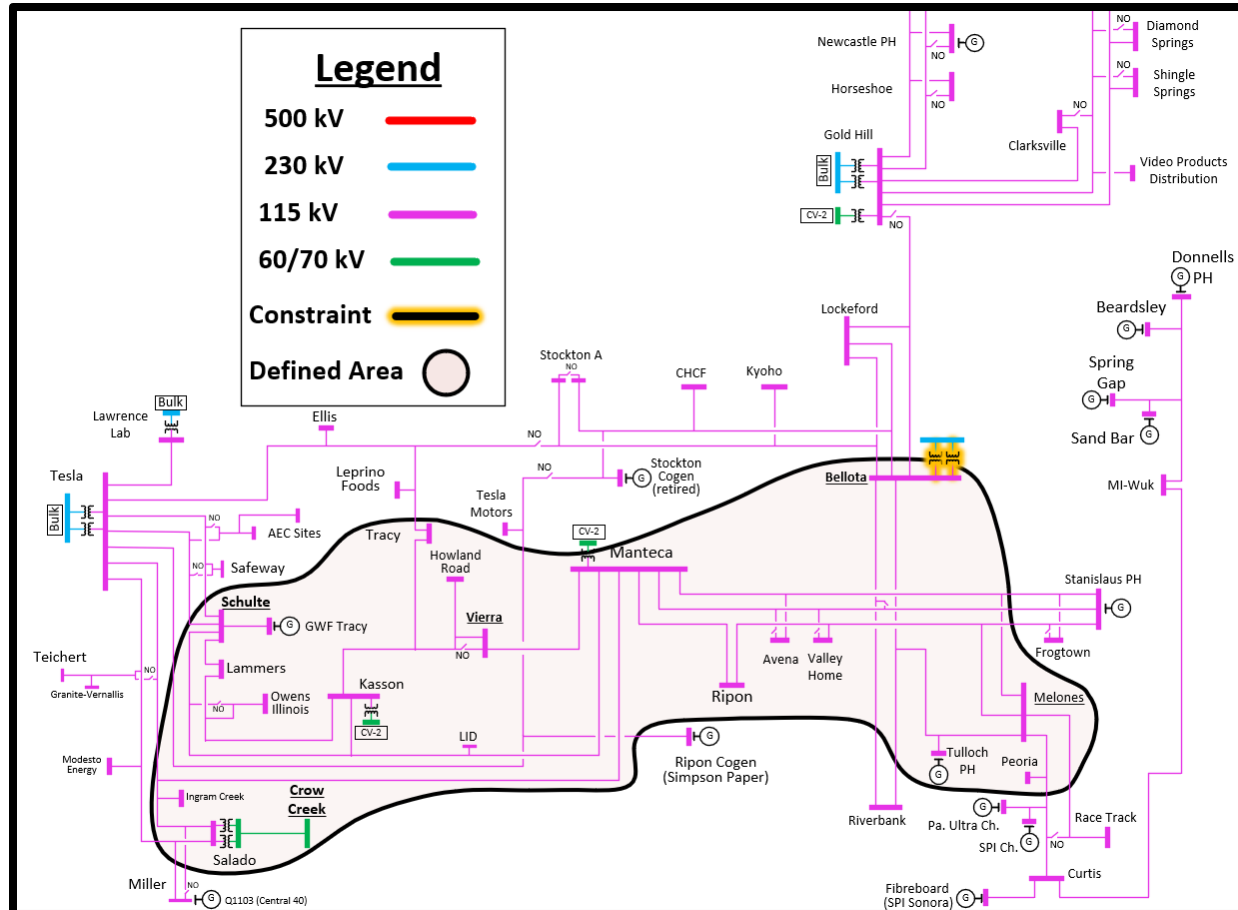
# PG&E North of Greater Bay Interconnection Area Deliverability Constraints

# Collinsville-Tesla 500 kV Line

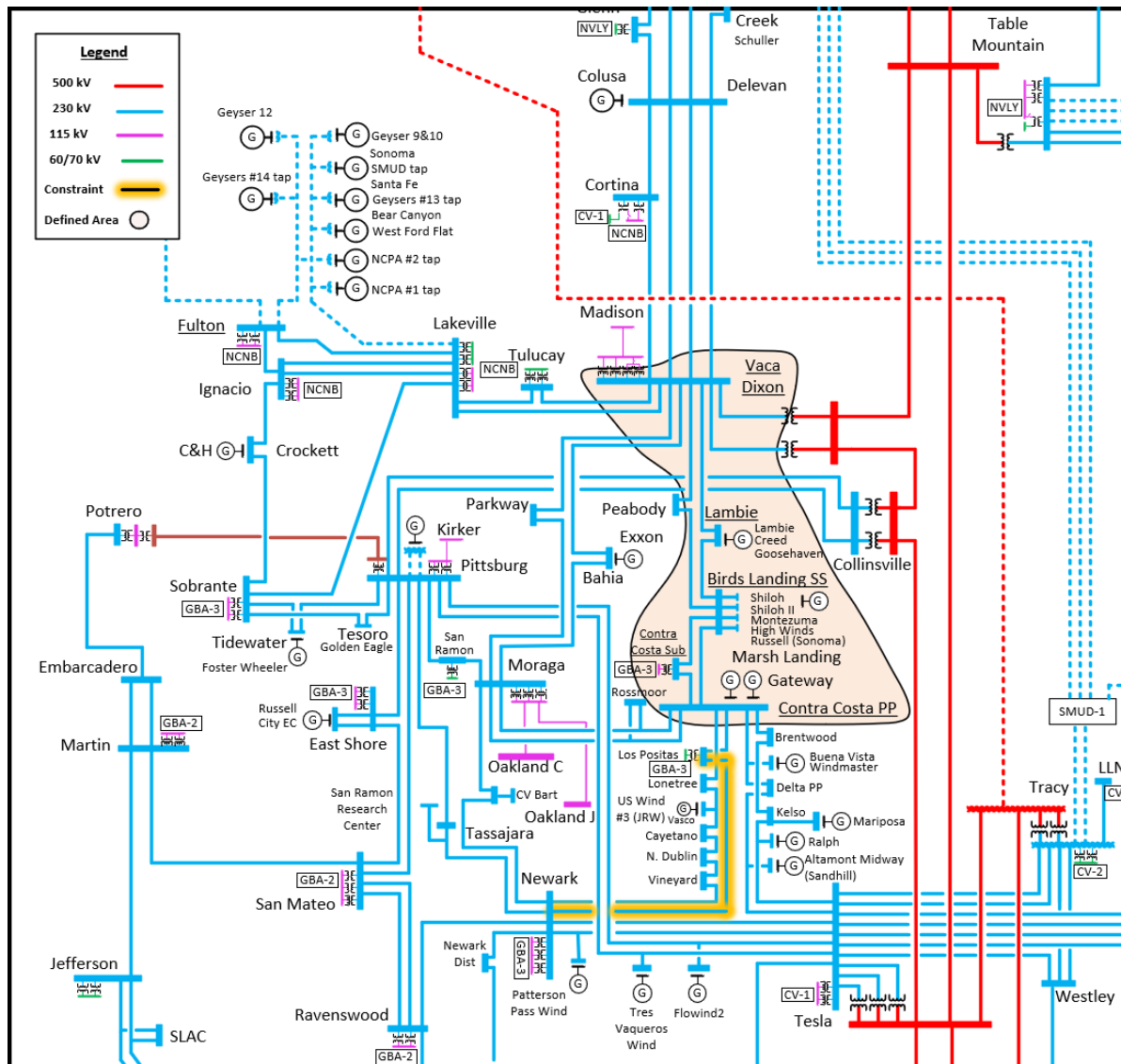


# PG&E Greater Bay Interconnection Area Deliverability Constraints

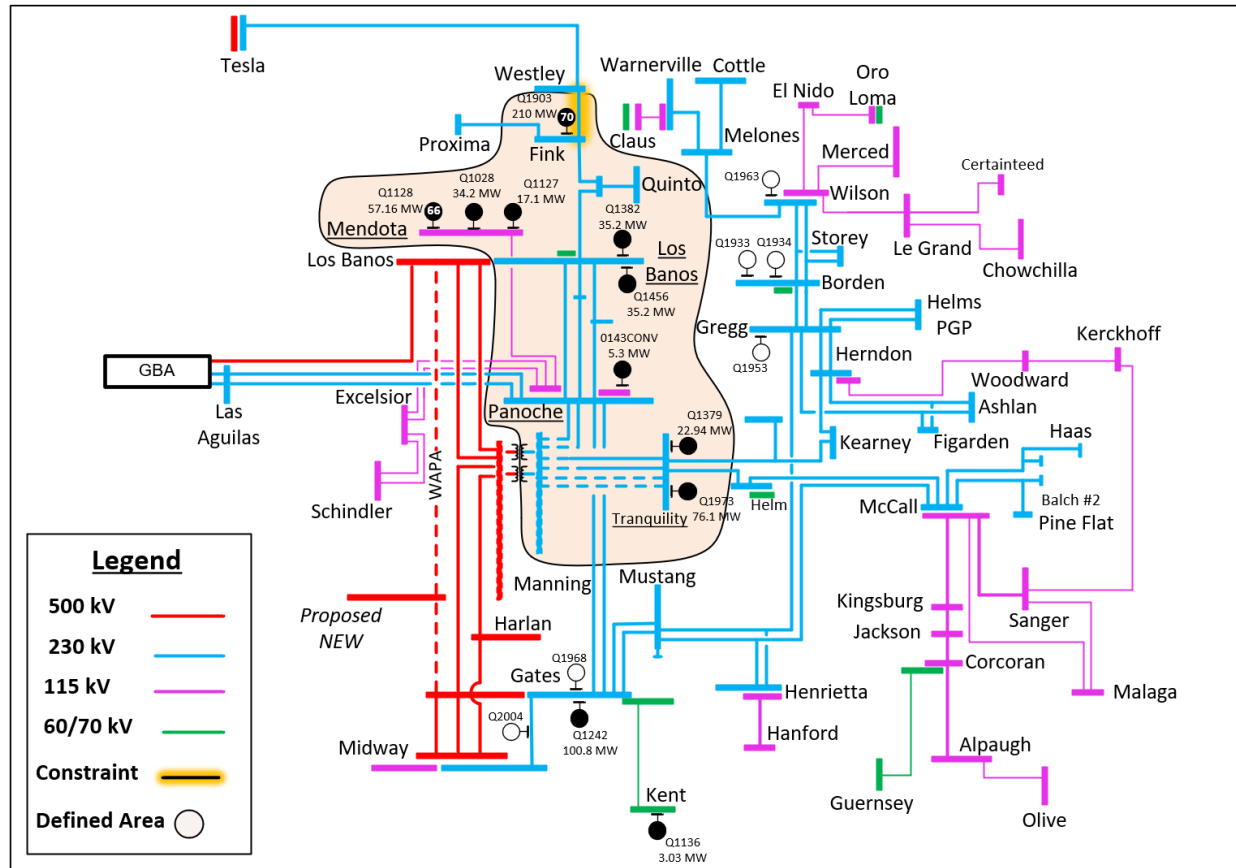
# Bellota Area Constraint



# Bay Area Constraint

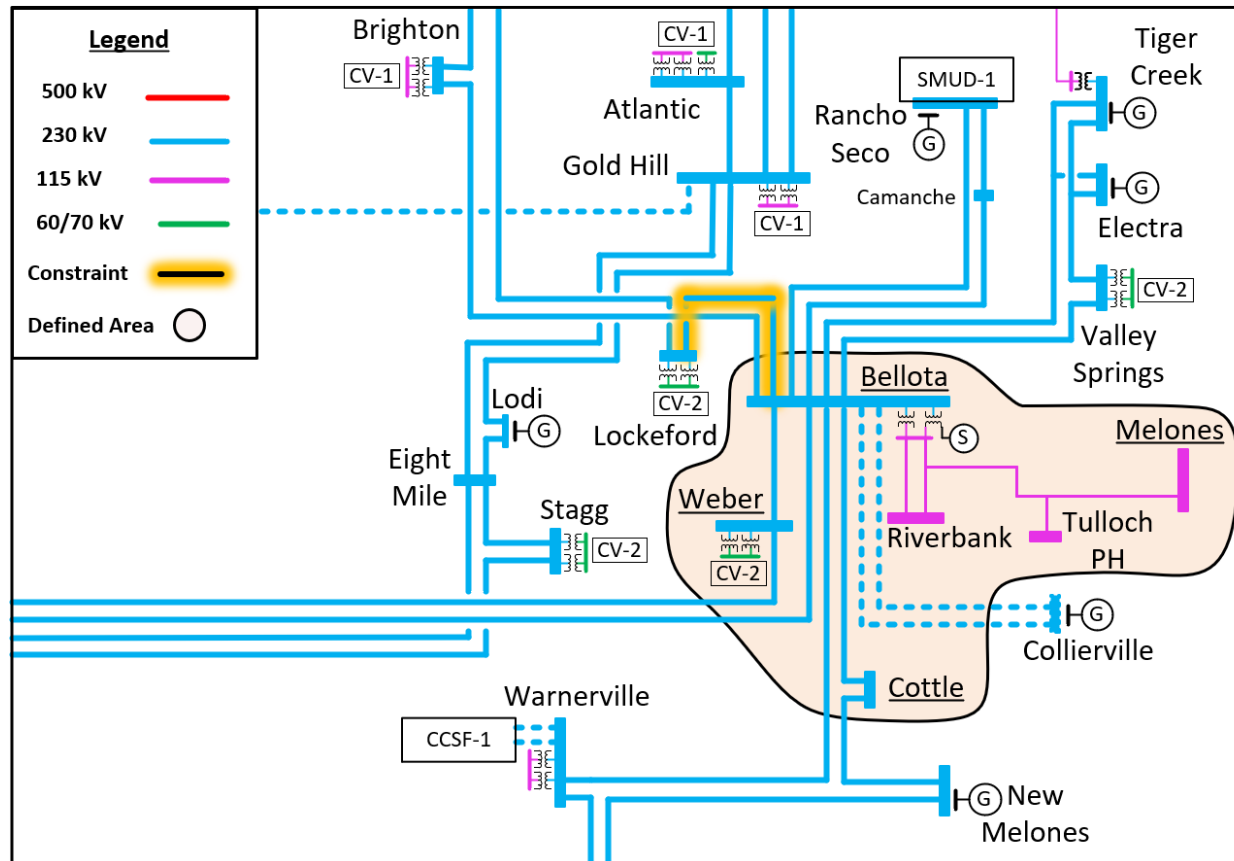


# Tesla-Westley 230kV Area Constraint

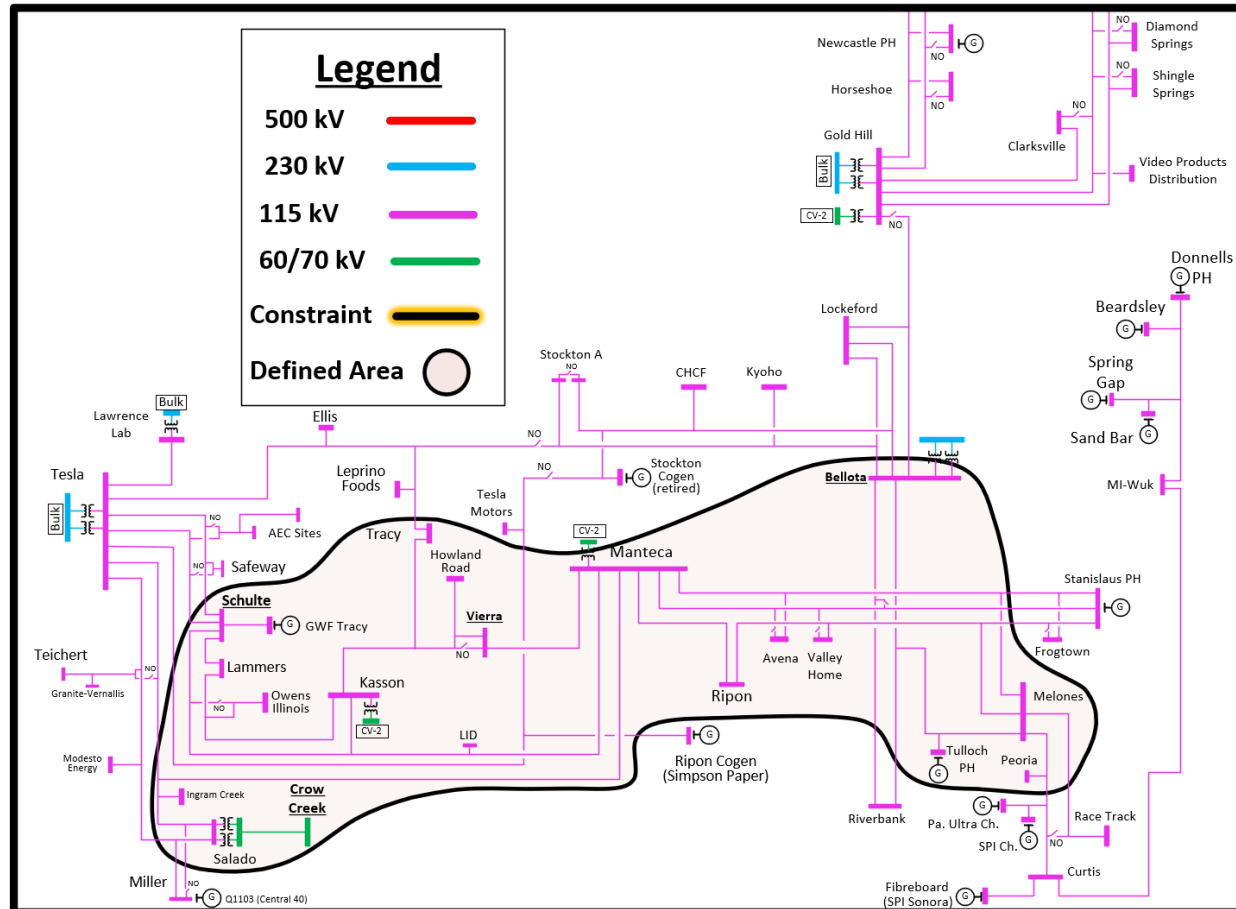


[illegible]

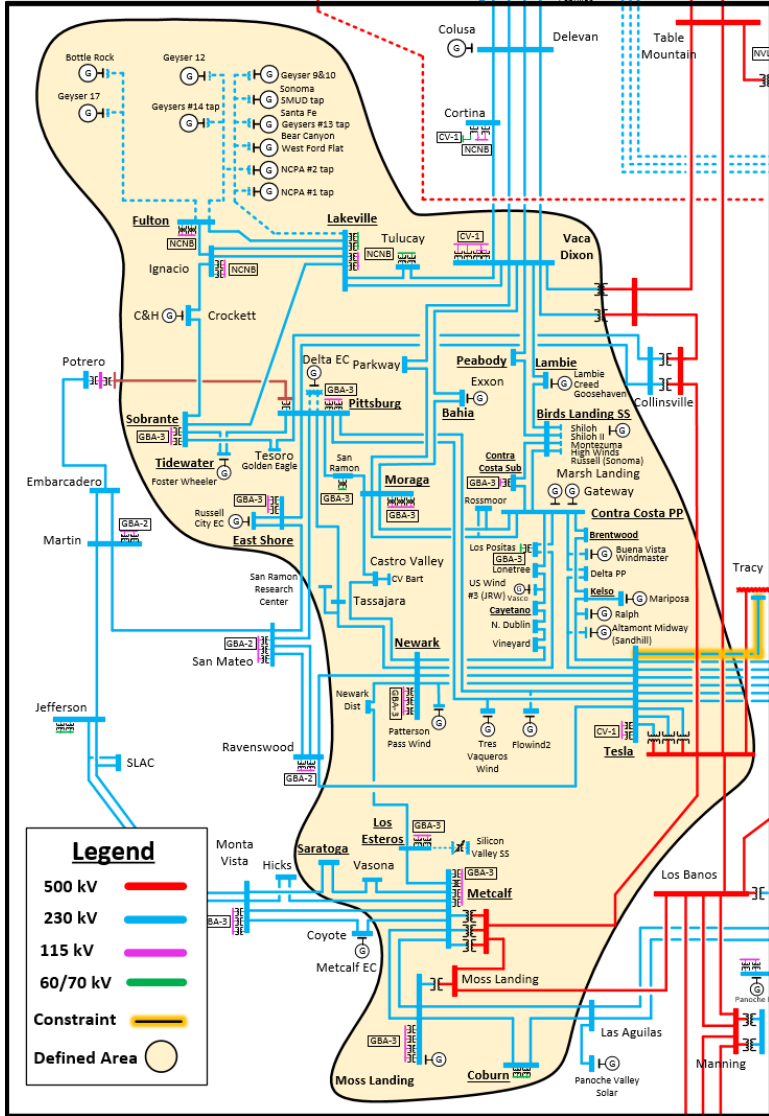
# Lockeford 230 kV Area Constraint



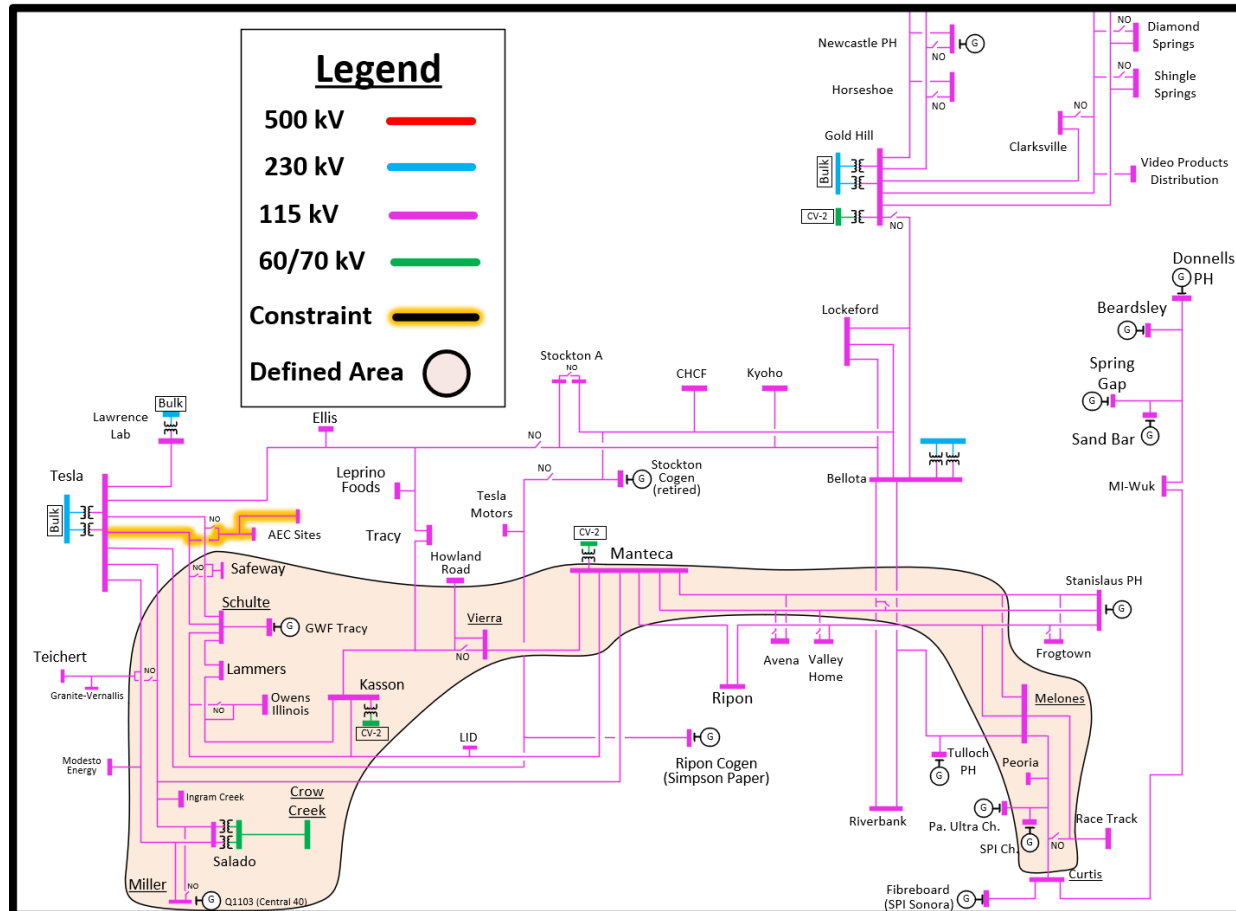
# Banta 115 kV Area Constraint



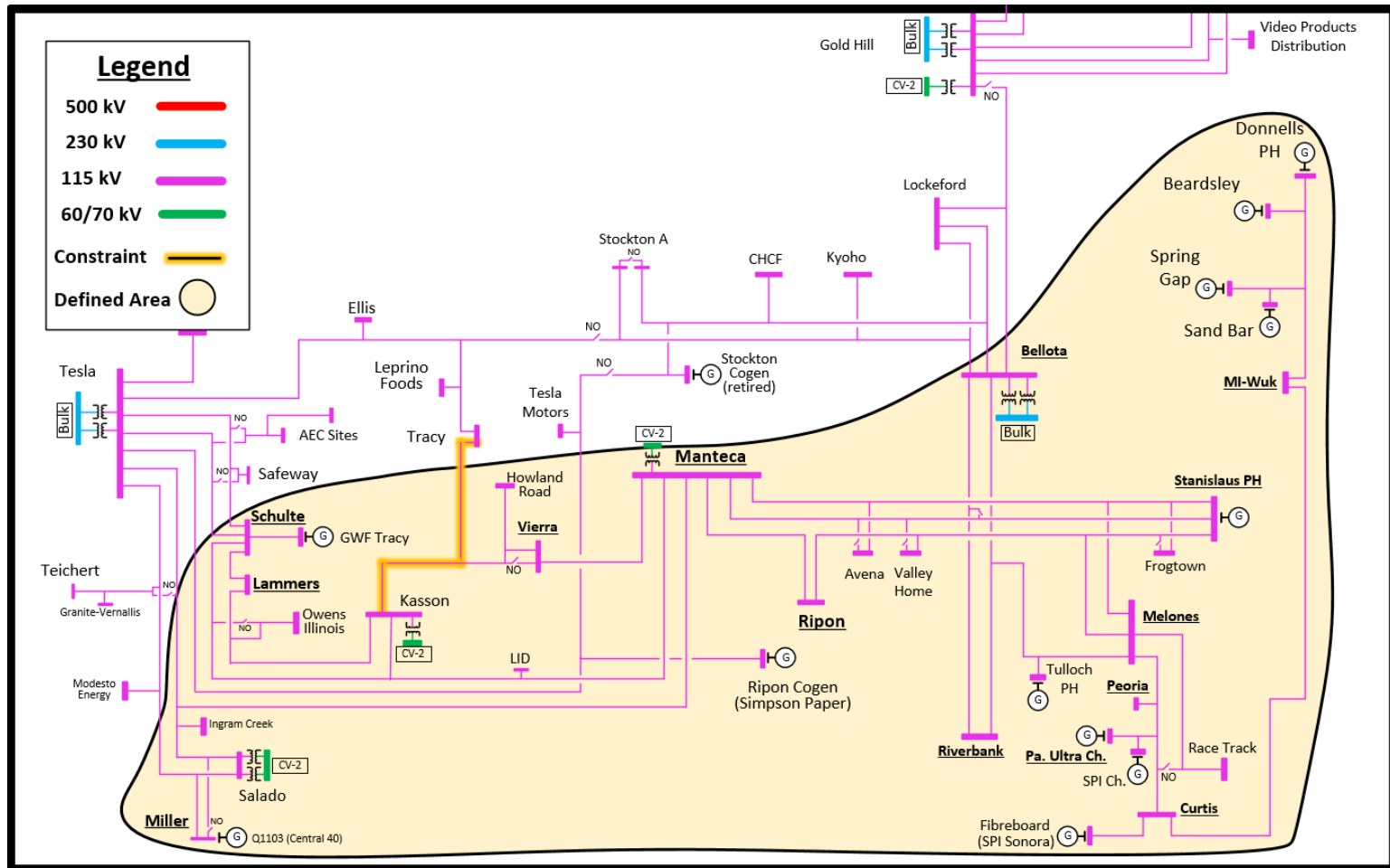
# Tesla-Tracy-Pump 230 kV line #2



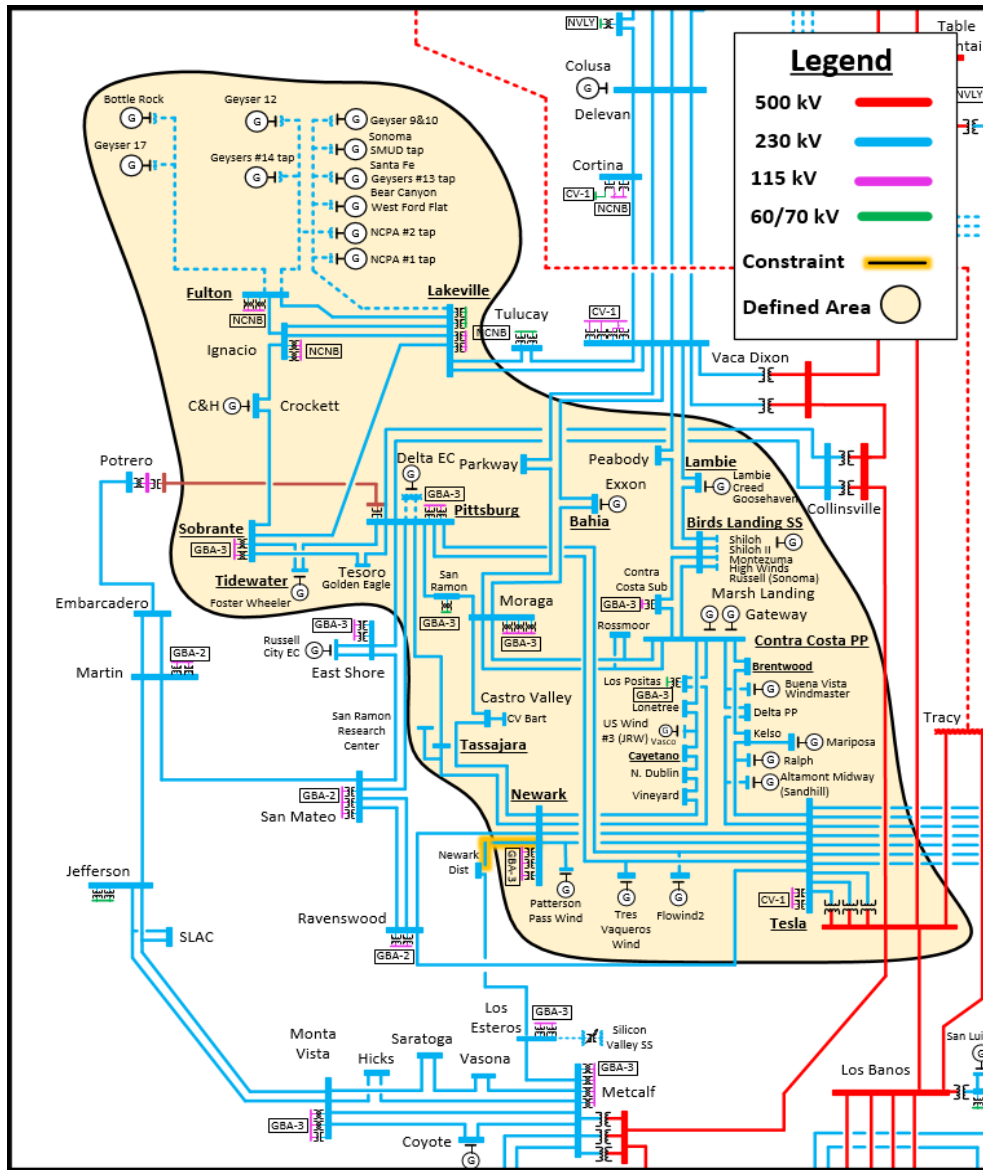
# Tesla 115 kV Area Constraint



# Kasson Jct-Heinz 115 kV line



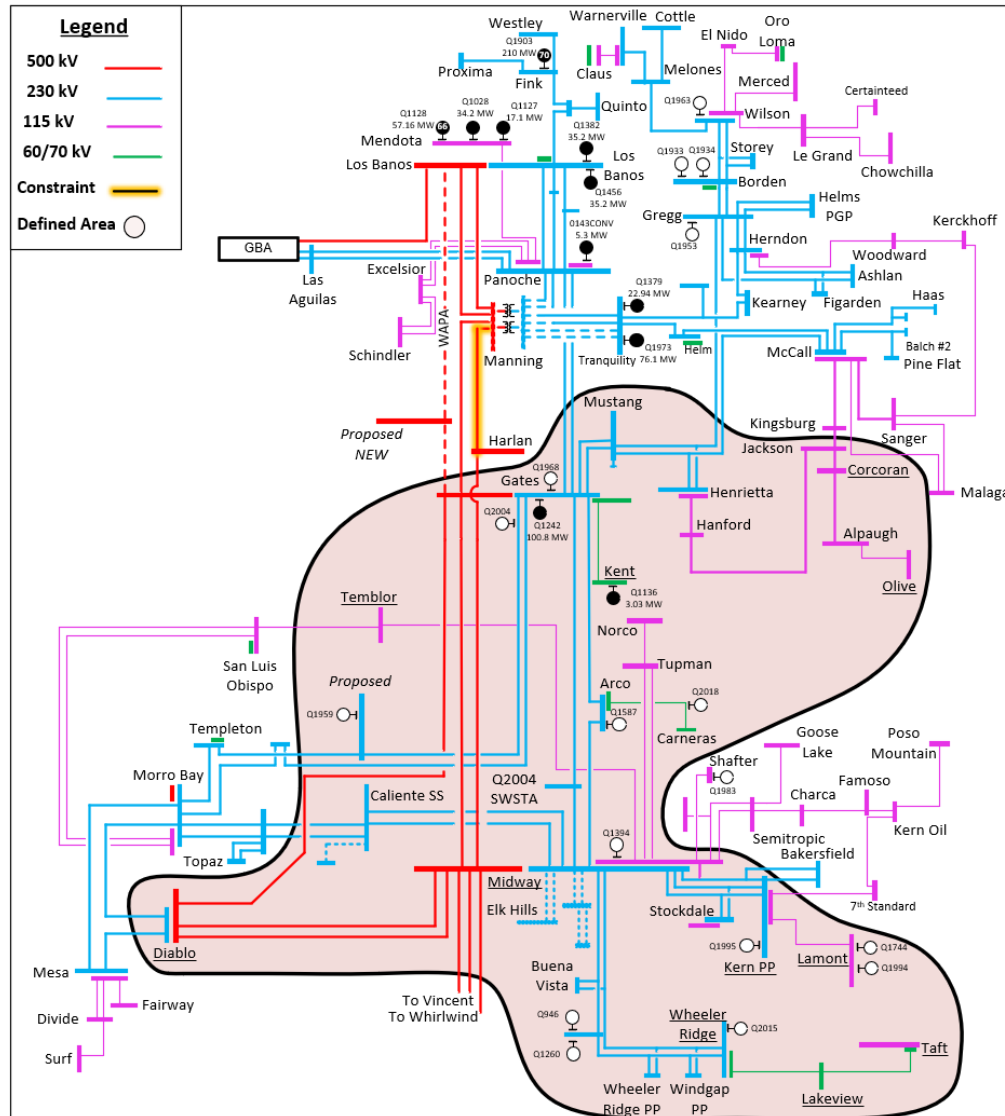
# Newark-Newark Distribution 115 kV line



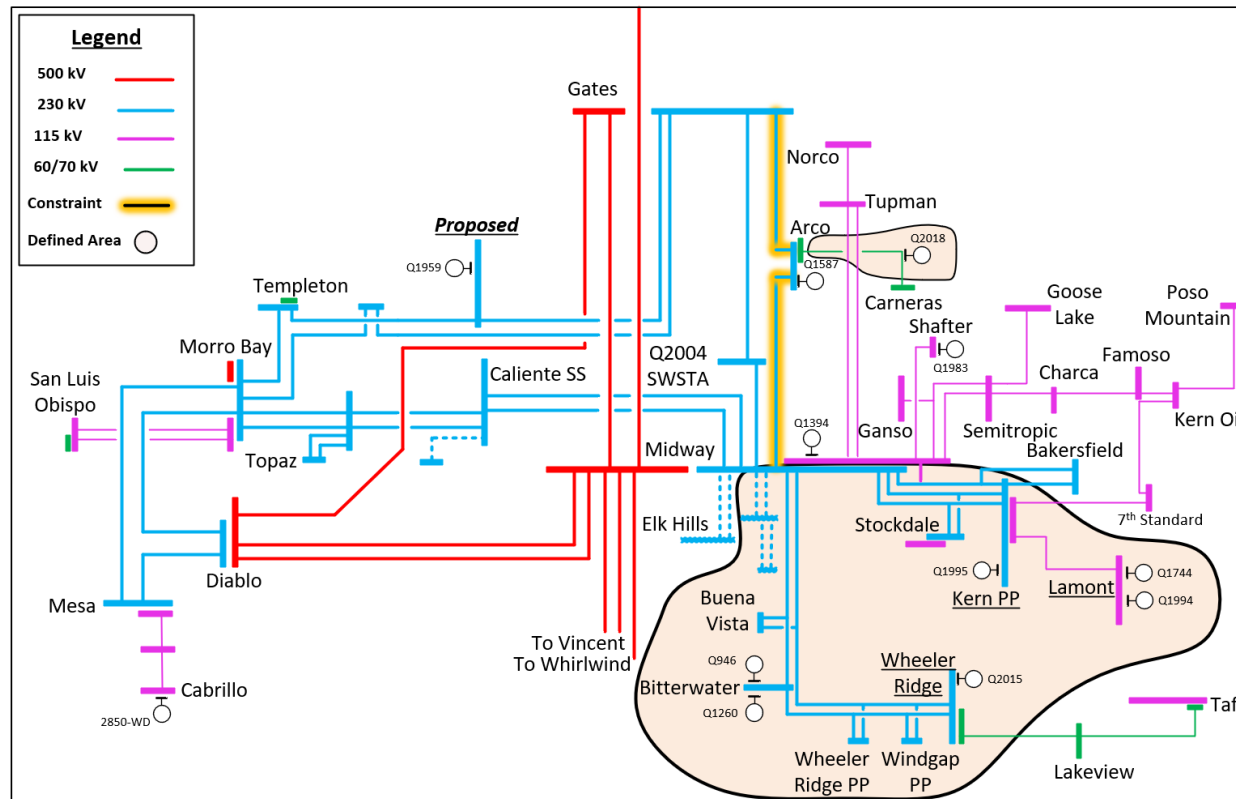
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# PG&E Kern Interconnection Area Deliverability Constraints

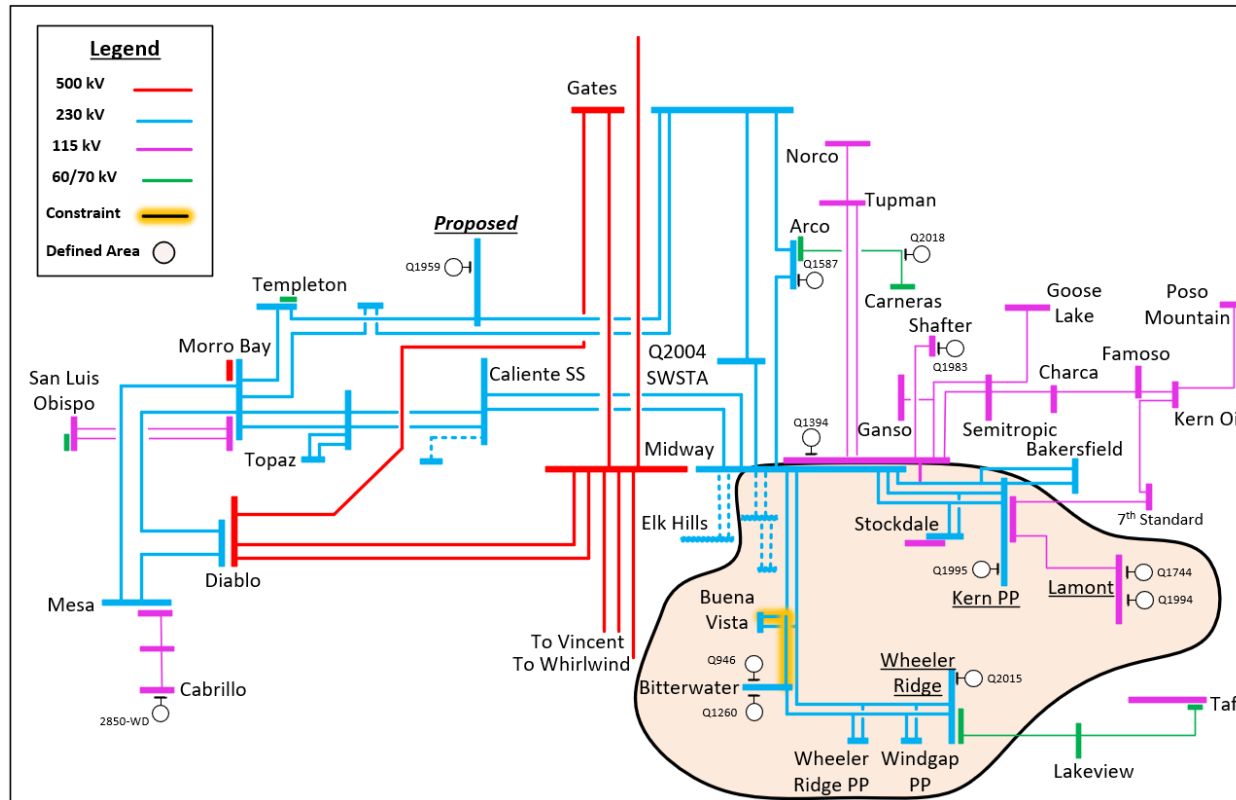
# Manning - Harlan 500 kV Area Constraint



# Gates-Arco-Midway 230 kV Area Constraint

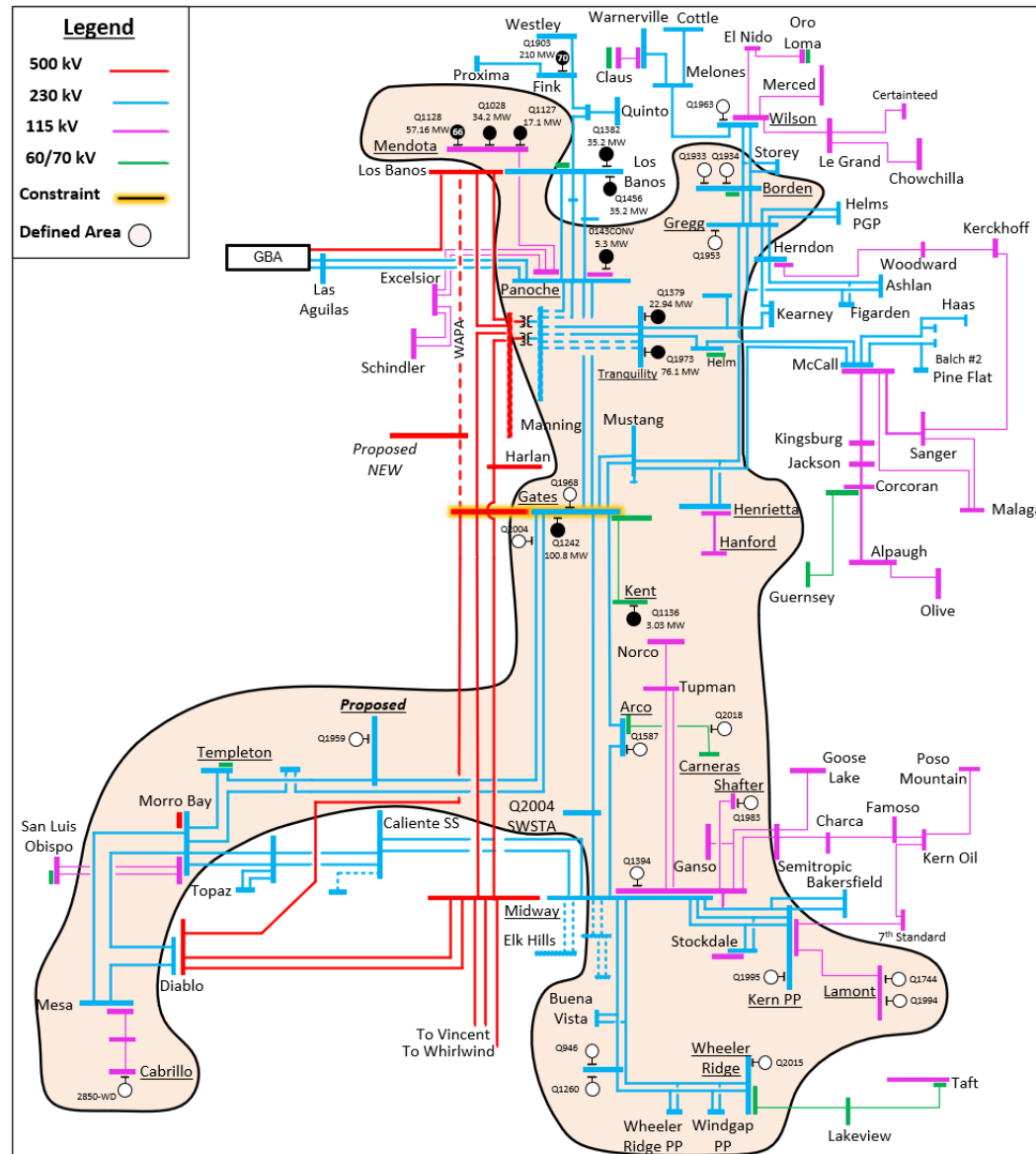


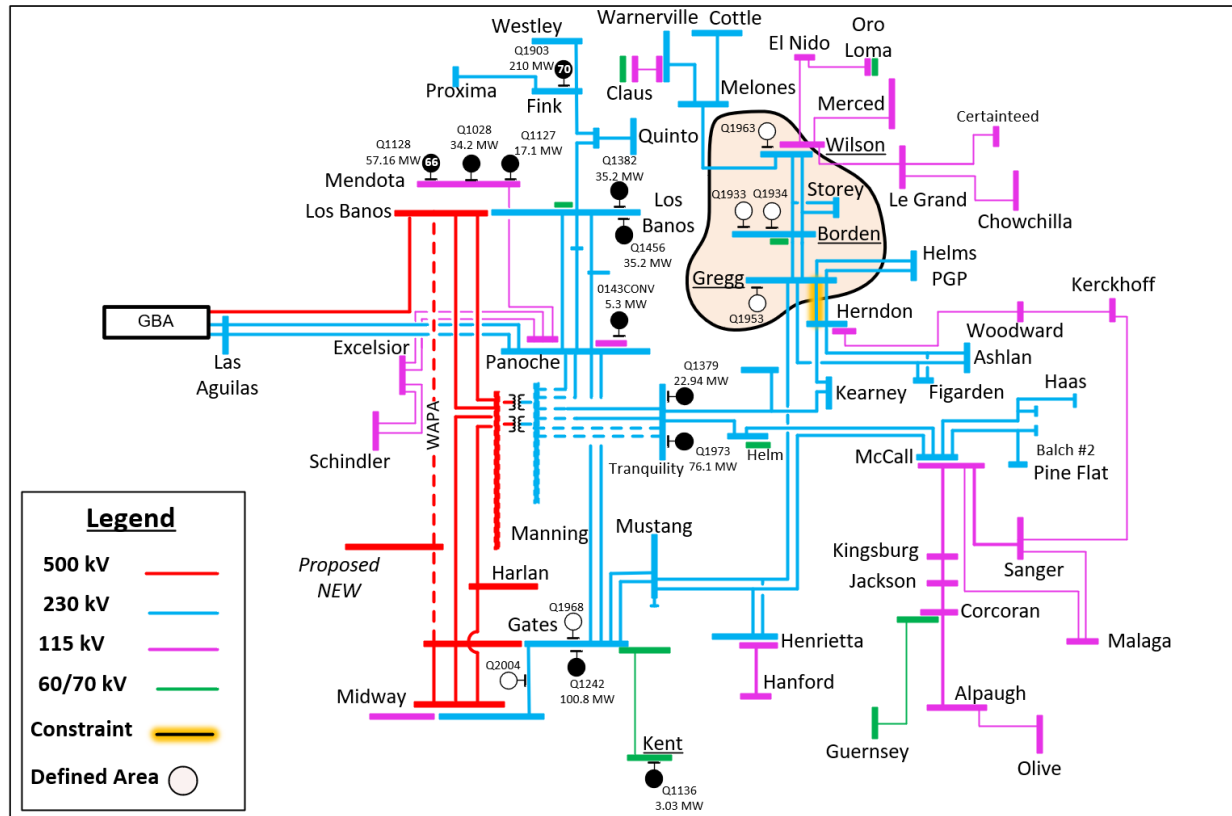
# Bitterwater- Buena Vista 230kV kV Area Constraint



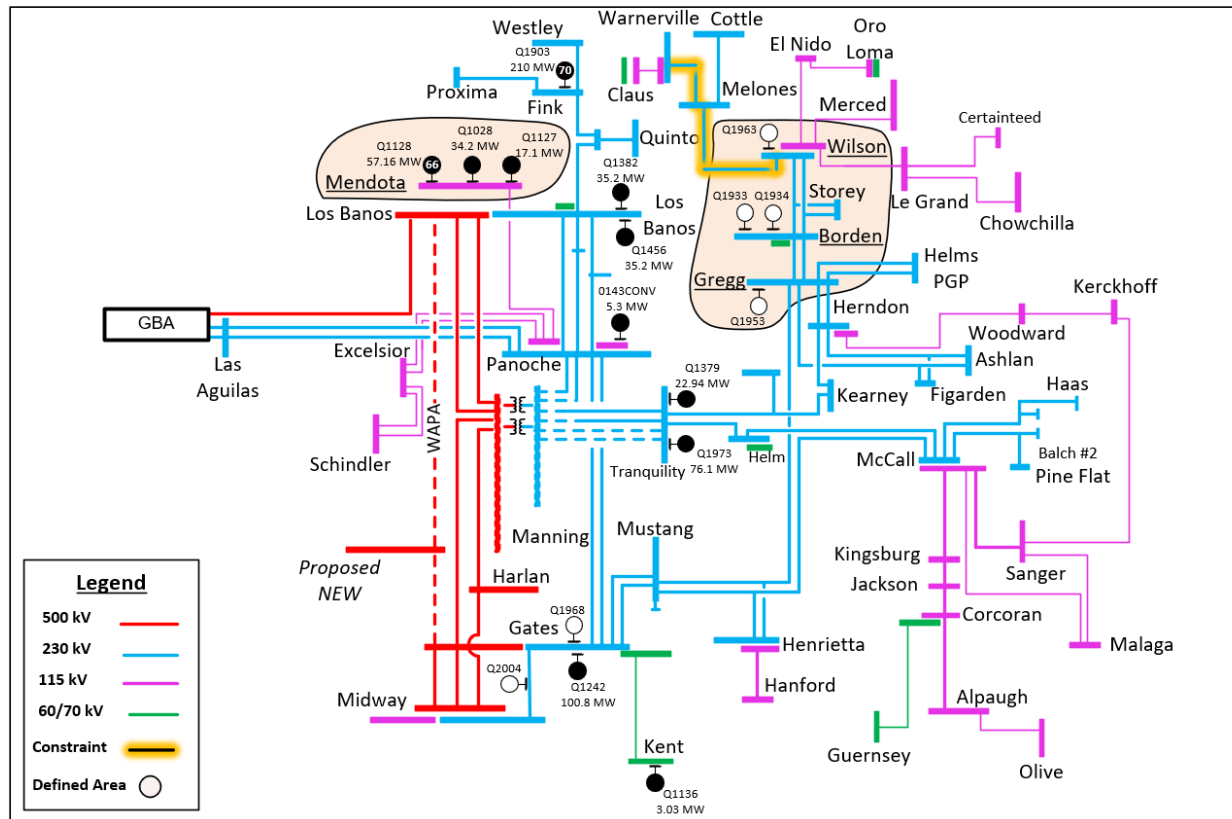
# PG&E Fresno Interconnection Area Deliverability Constraints

# Gates 500/230 kV Transformer Area Constraint

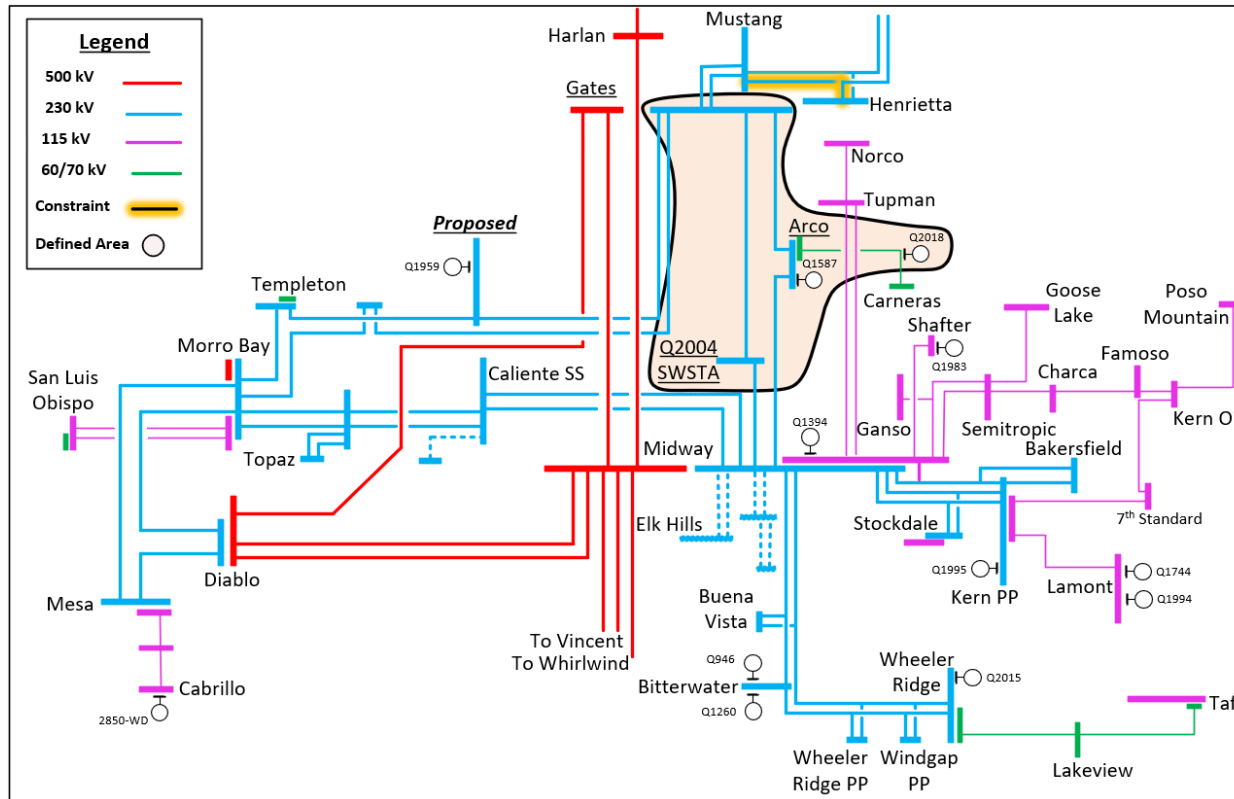




# Cottle 230 kV Area Constraint



# Mustang- Henrietta 230 kV Area Constraint



## Gates – Manning 500kV Area Constraint

