



Background Information

On

Local Capacity Areas:

- ☐ **Import Facilities**
- ☐ **Substations**



Humboldt Area Import Facilities

- 1) Humboldt-Bridgeville-Cottonwood 115 kV line #1
- 2) Humboldt-Trinity 115 kV line#1
- 3) Willits-Garberville 60 kV line #1
- 4) Trinity-Maple Creek 60 kV line #1



Substations delineating the Humboldt Area

- 1) Low Gap 115 kV
- 2) Humboldt 115 kV
- 3) Kekawaka 60 kV
- 4) Ridge Cabin 60 kV



North Coast/North Bay Import Facilities

Eagle Rock-Fulton Pocket

- 1) Fulton-Lakeville 230 kV line #1
- 2) Fulton-Ignacio 230kV line #1
- 3) Cortina 230/115 kV Transformer #1
- 4) Lakeville-Sonoma 115 kV line #1
- 5) Corona-Lakeville 115 kV line #1
- 6) Willits-Garberville 60 kV line #1

Lakeville Pocket

- 1) Vaca Dixon-Lakeville 230 kV line #1
- 2) Tulucay-Vaca Dixon 230 kV line #1
- 3) Lakeville-Sobrante 230 kV line #1
- 4) Ignacio-Sobrante 230 kV line #1
- 5) Lakeville-Fulton 230 kV line #1
- 6) Ignacio-Fulton 230 kV line #1
- 7) Lakeville-Corona 115 kV line #1
- 8) Lakeville-Sonoma 115 kV line #1



Substations delineating North Coast/North Bay Area

Eagle Rock-Fulton Pocket

- 1) Fulton 230 kV
- 2) Corona 115 kV
- 3) Sonoma 115 kV
- 4) Cortina 115 kV
- 5) Laytonville 60 kV

Lakeville Pocket

- 1) Lakeville 230 kV
- 2) Ignacio 230 kV
- 3) Tulucay 230 kV
- 4) Lakeville 115 kV



Sierra Area Import Facilities

- 1) Table Mt-Rio Oso 230 kV line #1
- 2) Rio Oso-Poe 230 kV line #1
- 3) Rio Oso-Cresta 230 kV line #1
- 4) Gold Hill-Ralston 230 kV line #1
- 5) Colgate 230/60 kV Transformer #1
- 6) Atlantic 230/60 kV Transformer #1
- 7) Gold Hill 230/115 kV Transformer #1
- 8) Gold Hill 230/115 kV Transformer #2
- 9) Palermo 230/115/60 kV Transformer #1
- 10) Caribou-Palermo 115 kV line #1
- 11) Bogue-Rio oso 115 kV line #1
- 12) Rio Oso-Nicolaus 115 kV line #1
- 13) Pease-Rio Oso 115 kV line #1
- 14) Drum-Rio Oso 115 kV line #1
- 15) Drum-Rio Oso 115 kV line #2
- 16) Drum-Summit 115 kV line #1
- 17) Drum-Summit 115 kV line #2
- 18) Spaulding-Summit 60 kv line #1
- 19) Table Mt-Pease 60 kV line #2



Substations delineating Sierra Area

- 1) Palermo 230 kV
- 2) Rio Oso 230 kV
- 3) Colgate 230 kV
- 4) Atlantic 230 kV
- 5) Gold Hill 230 kV
- 6) Drum 115 kV
- 7) Caribou 115 kV
- 8) Table Mountain 60 kV
- 9) Tamarack 60 kV



Cortina & Davis/W. Sacramento Area

Import Facilities

Cortina 60 kV Pocket

- 1) Cortina 230/60 kV transformer #1

Davis-West Sacramento Pocket

- 1) Rio Oso-Woodland 115 kV #1
- 2) Rio Oso-Woodland 115 kV #2
- 3) Davis-West Sacramento 115 kV #1
- 4) Davis-Brighton 115 kV #1

Boundary Substations

- 1) Woodland 115 kV
- 2) Davis 115kV



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Stockton Area

Import Facilities

Stockton: Tesla-Bellota Pocket

- 1) Bellota 230/115 kV Transformer #1
- 2) Bellota 230/115 kV Transformer #2
- 3) Tesla-Schulte 115 kV line #1
- 4) Tesla-Manteca 115 kV line #1
- 5) Tesla-Tracy 115 kV line #1
- 6) Tesla-Stockton Cogen Jct 115 kV line #1
- 7) Tesla-Salado 115 kV line #1
- 8) Tesla-Salado 115 kV line #2

Boundary Substations

- 1) Tesla 115 kV
- 2) Bellota 15 kV



Greater Bay Area Import Facilities

· Lakeville-Sobrante 230 kV		· Tesla-Ravenswood 230 kV
· Crocket-Sobrante 230 kV		· Tesla-Metcalf 500 kV
· Parkway-Moraga 230 kV		· Moss Landing-Metcalf 500 kV
· Bahia-Moraga 230 kV		· Moss Landing-Metcalf #1 230 kV
· USWind-Contra Costa Sub 230 kV		· Moss Landing-Metcalf #2 230 kV
· Peabody Tap-Contra Costa P.P. 230 kV		· Green Valley-Morgan Hill #1 115 kV
· Brentwood-Contra Costa PP 230 kV		· Green Valley-Morgan Hill #2 115 kV
· Windmaster-Contra Costa PP 230 kV		· Oakdale TID-Newark #1 115 kV
· Flowind-Pittsburg 230 kV		· Oakdale TID-Newark #2 115 kV
· JV Enterprises- Pittsburg 230 kV		· Tesla-Newark #2 230 kV
· Tesla-Newark 230 kV		· Tesla-Tracy #1 & #2 230 kV
· Tesla-Tracy #1 & #2 230 kV		



Substations that delineate the Greater Bay Area

- 1) Sobrante 230 kV
- 2) Moraga 230 kV
- 3) Contra Costa Sub 230 kV
- 4) Contra Costa P.P. 230 kV
- 5) Pittsburg 230 kV
- 6) Tesla 230 kV
- 7) Metcalf 500 kV
- 8) Moss Landing 500 kV
- 9) Morgan Hill 115 kV
- 10) Newark 115 kV



Greater Fresno Area Import Facilities

- Gates-Henrietta Tap 1 230 kV
- Gates-Henrietta Tap 2 230 kV
- Gates #1 230/115 kV Transformer Bank
- Los Banos #3 230/70 Transformer Bank
- Los Banos #4 230/70 Transformer Bank
- Panoche-Gates #1 230 kV
- Panoche-Gates #2 230 kV
- Panoche-Coburn 230 kV
- Panoche-Moss Landing 230 kV
- Panoche-Los Banos #1 230 kV
- Panoche-Los Banos #2 230 kV
- Panoche-Dos Amigos 230 kV
- Warnerville-Wilson 230 kV
- Wilson-Melones 230 kV
- Corcoran – Alpaugh - Smyrna 115 kV
- Coalinga #1-San Miguel 70 kV



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Substations delineating the Greater Fresno Area

- 1) Los Banos 230 kV
- 2) Gates 230 kV
- 3) Panoche 230 kV
- 4) Wilson 230 kV
- 5) Alpaugh 115 kV
- 6) Coalinga 70 kV



Kern Area Import Facilities

- Gates – Midway 230 kV line
- Morro Bay – Midway 230 kV lines #1 and #2
- Midway 230/115 kV transformer banks
- Gates – Arco 230 kV line
- Arco 230/70 kV transformer bank
- Smyrna - Semitropic – Midway 115 kV line
- Temblor – San Luis Obispo 115 kV line
- Arco – Cholame 70 kV line



Substations delineating the Kern Area

- 1) Midway 230 kV
- 2) Arco 230 kV
- 3) Smyrna 115 kV
- 4) Temblor 70 kV



Eastern & Western LA Basin Boundary substations

- Devers
- Mirage
- Vincent
- San Onofre
- Lugo
- Sylmar



San Diego Area Boundary Transmission Lines

- Imperial Valley – Miguel 500 kV Line
- San Onofre - San Luis Rey #1, #2, & #3 230 kV Lines
- San Onofre – Talega #1 & #2 230 kV Lines

San Diego Area Boundary Substations

- Miguel
- San Luis Rey
- Talega