Attachment B1
Deliverability Constraint Boundary Diagrams

6/28/2023
SCE Northern Interconnection Area Deliverability Constraints
Antelope-Vincent On-Peak and Off-Peak Constraint
Vincent-Lugo On-Peak Constraint
Pardee-Sylmar On-Peak Constraint
Windhub 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
SCE Metro Area Default Constraint
SCE North of Lugo (NOL) Interconnection Area Deliverability Constraints
Control to Inyokern Constraint On-Peak Constraint
Calcite to Lugo Constraint On Peak Constraint
SCE Eastern Interconnection Area Deliverability Constraints
Colorado River 500/230 kV On-Peak/Off-Peak Constraint (230 kV bus only)
Devers-Red Bluff On-Peak/Off-Peak Constraint
Eagle Mountain On-Peak Constraint
Etiwanda-Rancho Vista On-Peak Constraint
Red Bluff 500/230 kV On-Peak/Off-Peak Constraint (230 kV only)
Serrano-Alberhill-Valley On-Peak/Off-Peak Constraint
East of Pisgah Interconnection Area Deliverability Constraints
VEA 138kV On-peak/Off-peak Constraint
GLW 230kV On-peak/Off-peak Constraint
Lugo-Victorville On-peak Constraint

Note: The GLW/VEA system, which is not shown in detail, is inside the constraint boundary.
SDG&E Interconnection Area Deliverability Constraints
Capistrano-San Onofre 230 kV On-Peak Constraint

Legend

- 500 kV
- 230 kV
- 115 kV
- 60/70 kV
- Overload
- Defined Area

Diagram showing the network connections and constraints between various locations such as Trabuco, Margarita, Rancho Mission Viejo, Escondido, Palomar Energy, Artesian, Sycamore Canyon, and others.
Chicarita 138 kV On-Peak Constraint
Internal San Diego Area On-Peak/Off-Peak Constraint

Doublet/Friars/Mission 138 kV Constraint

Melrose – San Marcos 69 kV Constraint
Miguel 69 kV On-Peak Constraint
Encina - San Luis Rey 230 kV On-Peak/Off-Peak Constraint
East of Miguel On-Peak/Off-Peak Constraint

Legend
- 500 kV
- 230 kV
- 151 kV
- 60/76 kV
- Overload
- Defined Area

Area:
- San Onfrer
- Encina
- Parasquitos
- Old Town
- Silvergate
- Bay BLVD
- Telega
- San Luis Rey
- Escondido
- Palomar Energy
- Artesian
- Sycamore Canyon

Connections:
- AVE 58
- Coachella Valley
- AVE 58
- Suncrest
- Ocotillo Express
- El Centro
- Niland
- Gold Mine
- Knob
- Pilot Knob
- Nortth Gila
- Hoodoo wash
- BlitheSC 151 kV
- Colorado River
- Delaney
- Palo Verde
- Hassyampah
- ECO
- Miguel
- Otay Mesa

Source: California ISO
Ocean Ranch 69 kV On-Peak Constraint
Silvergate - Bay Blvd 230 kV On-Peak/Off-Peak Constraint
Trabuco-Capistrano 138 kV On-Peak Constraint
PG&E North of Greater Bay Interconnection Area Deliverability Constraints
Woodland-Davis 115 kV line On-Peak Constraint
Carberry-Round mountain 230 kV line On-Peak Constraint
Rocklin-Pleaseant grove 115kV line On-Peak/Off-Peak Constraint
Rio Oso-Brighton 230kV line On-Peak Constraint
Rio Oso-Lockeford 230kV line On-Peak Constraint
PG&E Greater Bay Interconnection Area Deliverability Constraints
Eastshore-San Mateo 230 kV line On-Peak Constraint
Lakeville-Igancio 230 kV line On-Peak Constraint
Windmaster- Delta Pumps 230 kV line On-Peak Constraint
Contra Costa #1 115 kV line On-Peak Constraint
Kasson Jct-Heinz 115 kV line On-Peak Constraint
Tesla-Bellota 115 kV line On-Peak Constraint
Eight Mile-Tesla 230 kV line On-Peak Constraint
Grant - Eastshore #2 115 kV line On-Peak Constraint
Salado - Crow Creek 60 kV line On-Peak Constraint
Tesla - Salado 115 kV line On-Peak Constraint
Los Esteros-Silicon Valley 230 kV On-Peak Constraint
Los Esteros-Nortech 115 kV line On-Peak Constraint
Newark-Los Esteros 230 kV line On-Peak Constraint
Morganhill-Metcalf 115kV Line On-Peak Constraint
Telsa-Tracy Pump #1 230 kV Line On-Peak Constraint

[Diagram of the Telsa-Tracy Pump #1 230 kV Line On-Peak Constraint]
Birds Landing-Contra Costa 230kV Line On-Peak Constraint
PG&E Kern Interconnection Area Deliverability Constraints
Midway-Q2005 230kV line On-Peak/Off-Peak Constraint
Smyrna - Q1984 115kV line On-Peak/off-Peak Constraint
Kern 230/115kV TB #4 On-Peak Constraint
Maricopa-Copus 70 kV line On-Peak/Off-Peak Constraint
Midway-Taft 115 kV line On-Peak/Off-Peak Constraint
Kern-Tevis-Stockdale-Lamont 115kV line On-Peak/Off-Peak Constraint
Midway 230/115kV TB #3 On-Peak/Off-Peak Constraint
Semitropic-Midway 115kV Line On-Peak/Off-Peak Constraint
PG&E Fresno Interconnection Area Deliverability Constraints
Gates 500/230kV TB #11 On-Peak/Off-Peak Constraint
Gates 230/70 kV TB #5 On-Peak/Off-Peak Constraint
Tranquility-Helm 230kV Line On-Peak/Off-Peak Constraint
Dairyland-Chowchilla 115kV Line On-Peak/Off-Peak Constraint
Panoche-Mendota 115 kV line On-Peak/Off-Peak Constraint
Merced 115/70kV TB#2 On-Peak/Off-Peak Constraint
Helm 230/70kV TB#1 On-Peak/Off-Peak Constraint

Legend:
- 500 kV: Red
- 230 kV: Blue
- 115 kV: Purple
- 60/70 kV: Green
- Constraint: Yellow
- Defined Area: Black

Diagram showing Helm, Giffen, Mendota, Biola, Kerman, Cal Renew, Westlands, Firebaugh, Fresno Waste Water, and other locations with connections.
Oro Loma-El Nido 115kV Line On-Peak/Off-Peak Constraint
Q2008-Gates 500 kV line On-Peak/Off-peak Constraint
Mustang-Henrietta 230 kV line On-Peak Constraint
Gates-Panoche 230 kV #1 and #2 Lines On-Peak Constraint
PG&E Fresno Interconnection Area Off-Peak Deliverability Constraints
Moss Landing-Las Aguillas 230 kV Line Off-Peak Constraint
Jackson-Waukena-Corcoran 115 kV Line Off-Peak Constraint