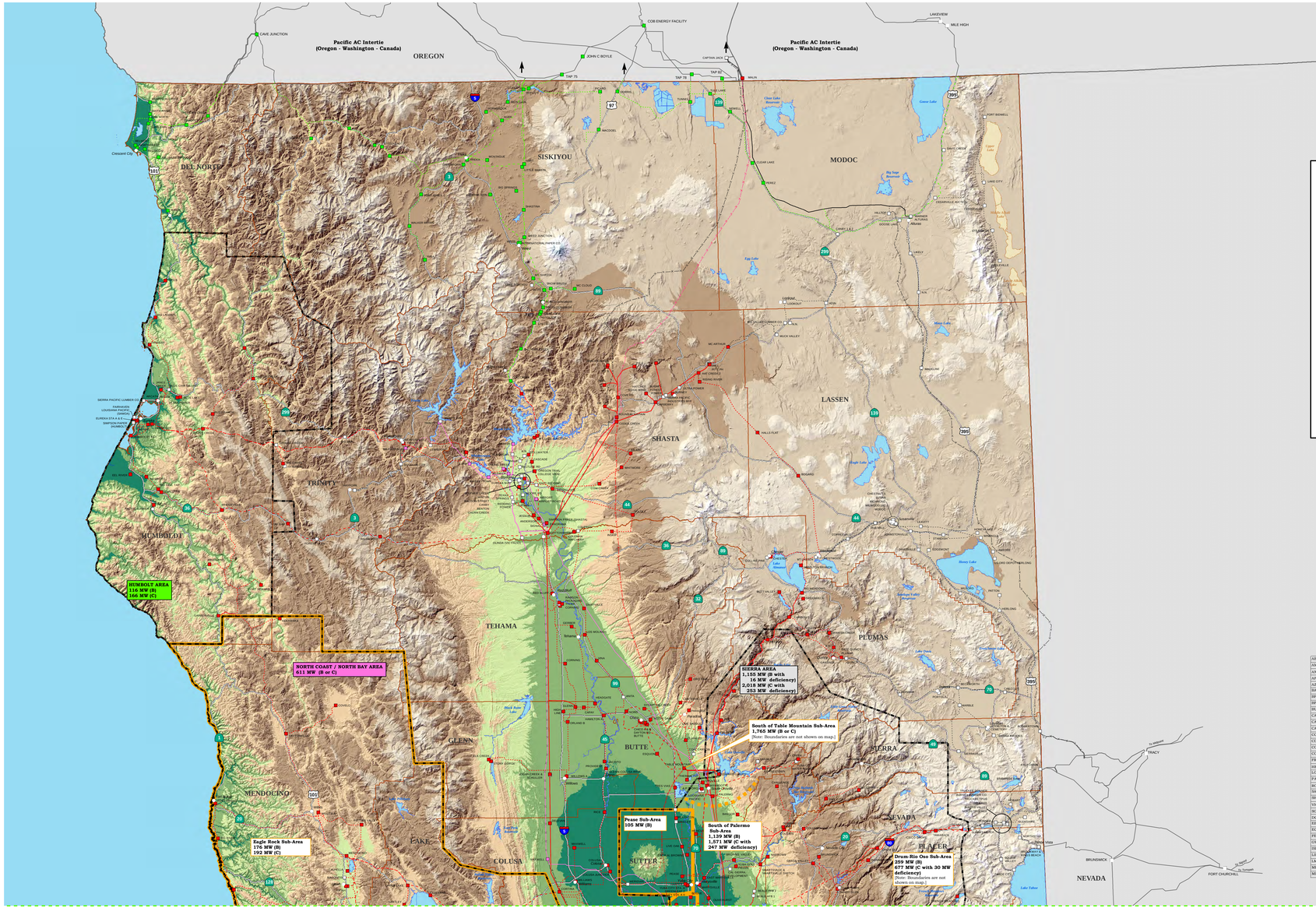

Local Reliability Areas For 2016

Legend

Substation Owners

- Imperial Irrigation District (IID)
- Los Angeles Department of Water & Power (LADWP)
- PacifiCorp
- Pacific Gas & Electric (PG&E)
- Southern California Edison (SCE)
- San Diego Gas & Electric (SDG&E)
- Sacramento Municipal Utility District (SMUD)
- Western Area Power Administration (WAPA)
- Other Owners (See Table below)

Features

- County Line
- City
- Major Road
- Water Body
- Dry lake

1 inch = 10 miles

0 5 10 20 Miles

Transmission Lines (Colorized according to Utility Ownership)

- 33 - 92KV
- 110 - 161KV
- 220 - 287KV
- 345 - 500KV
- 500KV - DC

NORTH COAST/ NORTH BAY AREA 611 MW (B or C) — Local Capacity needed to meet NERC reliabilty criteria

LOCAL RELIABILITY AREAS

LA BASIN AREA	BIG CREEK/ VENTURA AREA
NORTH COAST/ NORTH BAY AREA	GREATER BAY AREA
SAN DIEGO/ IMPERIAL VALLEY AREA	GREATER FRESNO AREA
SIERRA AREA	HUMBOLDT AREA
STOCKTON AREA	KERN AREA

Local Reliability Sub-Areas

Local Reliability Sub-Areas

Reliability Data is from the California Independent System Operator's " 2016 Local Capacity Technical Analysis: Final Report and Study Results" April 30, 2015

http://www.caiso.com/Documents/Final2016LocalCapacityTechnicalReportApr302015.pdf

CALIFORNIA ENERGY COMMISSION
ELECTRICITY SUPPLY ANALYSIS DIVISION
CARTOGRAPHY UNIT
WWW.ENERGY.CA.GOV

To inquire about ordering this map or information on other types of maps call the map line at (916) 654-4182 or e-mail: JGILBREA@ENERGY.STATE.CA.US

Updates for 2016 Jim Woodward & Terry Rose

*** Other Substation and Transmission Line Owners - California**

AEWSD	Arvin-Edison Water Storage Distribution	MORENO VALLEY	
AMP	Alameda Municipal Power	MWD	Metropolitan Water District of Southern California
ANZA	Anza Electric	NASA	National Aeronautics and Space Administration
APUD	City of Anaheim Public Utilities District	NCPA	Northern California Power Agency
AZUSA	Azusa Light and Water	NPUA	Needles Public Utility Authority
BART	Bay Area Rapid Transit District	NV ENERGY	NV Energy
BPP	Butte Forest Power	PACW	PacifiCorp West
BPA	Bonneville Power Administration	PCWA	Placer County Water Agency
BURB	City of Burbank	PLUM	Plumas - Sierra Rural Electric Corp.
CA RECLAMATION DISTRICT		PORT OF OAKLAND	
CA STATE	State of California	PORT OF STOCKTON	
CALPINE	Calpine Corporation	PRIVATE	
CCSF	City & County of San Francisco	RCMU	Rancho Cucamonga Municipal Utility
CDWR	California Department of Water Resources	REU	Redding Electric Utility
CORONA	City of Corona	ROSEVILLE ELECTRIC	
COLTON	City of Colton	RPU	Riverside Public Utilities
FRESNO	City of Fresno	SAN JOAQUIN	San Joaquin County
HEALDSBURG	City of Healdsburg	SFPP	Santa Fe Pacific Pipeline Partners
LOMPOC	City of Lompoc	SID	Solano Irrigation District
PALO ALTO	City of Palo Alto	SJVE	San Joaquin Valley Clean Energy Org.
ROSEVILLE	City of Roseville	STANFORD	Leland Stanford, Jr. University
SAN JOSE	City of San Jose	SVEC	Surprise Valley Electrification Corporation
SHASTA LAKE	City of Shasta Lake	SVP (Silicon Valley Power)	City of Santa Clara
VICTORVILLE	City of Victorville	TANC	Transmission Agency of Northern California
SONOMA	County of Sonoma	TBC	Trans Bay Cable
DCE	City of Dublin	TOPUD	Truckee Donner Public Utility District
EBMUD	East Bay Municipal Utility District	TID	Turlock Irrigation District
ECCID	East Contra Costa Irrigation District	TPUD	Trinity Public Utility District
FED	Federal Facilities	UCB	University of California Berkeley
GWP	City of Glendale Water & Power	UCD	University of California Davis
ISLAND ENERGY	City of Pittsburg	UNKNOWN	
LIBERTY ENERGY		USBR	U.S. Bureau of Reclamation
LMUD	Lassen Municipal Utility District	VERNON	City of Vernon
MID	Merced Irrigation District	WALC	Western Area Lower Colorado (WAPA)
MID	Modesto Irrigation District	YCWA	Yuba County Water Agency