



## Briefing on Resources available for near term interconnection

December 5, 2023

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The information contained in this presentation was drawn from non-confidential cluster study reports and reassessments. To the extent differences are found between this information and the source documents, the source documents should be relied upon.

# Updates

- Cluster 13 Phase II study information included
- Energy Only generation added to the south area lists
- All COD dates included
- Slides 3,4 and 6-14 reflect the data as of September 8, 2023

# The ISO has examined where existing queued projects\* do not require any additional network upgrades:

## Incremental capacity needing no transmission except interconnections:

	CC/ST & storage	Solar & storage	Wind & Storage	Hydro	Solar PV	Wind	Storage	GT/CC	Total
PG&E	19	342	168	5	246	161	579		1520
SCE, SDG&E & GLW		1810			220		1844		3874
Total	19	2152	168	5	466	282	2423		5394

## Incremental capacity enabled by RAS:

	CC/ST & storage	Solar & storage	Wind & Storage	Hydro	Solar PV	Wind	Storage	GT/CC	Total
PG&E		100			150	104		35	389
SCE, SDG&E & GLW		16743			121	2417	1350		20631
Total		16843			271	2521	1350	35	21020

## Incremental capacity based on transmission under development:

	CC/ST & storage	Solar & storage	Wind & Storage	Hydro	Solar PV	Wind	Storage	GT/CC	Other	Total
PG&E		5475	200		590	1522	3582		900	12269
SCE, SDG&E & GLW		2386					1650			4036
Total		2646			390	200	1786			16305

\*42,719 MW total. Cluster 13 and earlier. Interconnections are required. Also, additional areas are currently being examined in local capacity areas for standalone battery installation potential. PG&E totals represent total Point of Interconnection incremental capacity with no adjustments regarding deliverability. SCE,SDGE&E & GLW totals reflect incremental POI capacity with modest down ward adjustment down ward reflecting a small amount of partial capacity deliverability.

# The ISO has also examined projects\* that do not require any additional network upgrades for deliverability:

## FCDS Incremental capacity needing no transmission except interconnections:

	CC/ST & storage	Solar & storage	Wind & Storage	Hydro	Solar PV	Wind	Storage	GT/CC	Total
PG&E	19	270	168		200		379		1036
SCE, SDG&E & GLW		985					1794		2779
Total	19	1255	168		200		2173		3815

## FCDS Incremental capacity enabled by RAS:

	CC/ST & storage	Solar & storage	Wind & Storage	Hydro	Solar PV	Wind	Storage	GT/CC	Total
PG&E		100				104		35	239
SCE, SDG&E & GLW		13574				410	1350		15334
Total		13674				514	1350	35	15573

## FCDS Incremental capacity based on transmission under development:

	CC/ST & storage	Solar & storage	Wind & Storage	Hydro	Solar PV	Wind	Storage	GT/CC	Other	Total
PG&E		4450			290	1522	2261		900	9423
SCE, SDG&E & GLW		2372					1650			4022
Total		2632			90	200	1685			13445

\*32,833 MW total. Cluster 13 and earlier. Interconnections are required. Also, additional areas are currently being examined in local capacity areas for standalone battery installation potential. PG&E totals represent total Point of Interconnection incremental capacity with no adjustments regarding deliverability. SCE,SDGE&E & GLW totals reflect incremental POI capacity with modest downward adjustment reflecting a small amount of partial capacity deliverability.

# Background

- Totals on slides 3 and 4 for showing solar plus storage represent the incremental capacity Point of Interconnection Capacity. Slides 9 through 15 provide more details regarding the incremental resources. As noted on slides 5 and 6, PG&E totals represent total Point of Interconnection incremental capacity with no adjustments regarding deliverability. SCE, SDGE&E & GLW totals reflect incremental POI capacity with modest downward adjustment downward reflecting the partial capacity deliverability status of some projects.
- On slides 6 ,7 and 7, providing PG&E-area data, the Incremental MW column provides the incremental resources being installed, and the Point of Interconnection capacity is the capacity of the individual resource, or for co-located resources, the larger of the two components, unless otherwise noted.
- On slides 10 through 14, providing data for resources connecting in the SCE, SDG&E and GLW areas, The Incremental MW column shows the incremental resources being added that can be delivered to the point of interconnection, and the installed capacity of each generator type is also shown.
- Full capacity, partial capacity, and energy only status information is provided.

# PG&E “no transmission needed” project list

Project Name	Queue Position	Incremental MW	Full Capacity, Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
MONTEZUMA (HIGH WINDS III)	22	38.0	PC	Wind Turbine	38.0	Storage	38.0	SOLANO
FRESNO COGENERATION EXPANSION PROJECT	61	16.4	FC	Steam Turbine	73.3	Storage	18.5	FRESNO
MONTEZUMA II	222	54.0	PC	Wind Turbine	78.0	Storage	54.0	SOLANO
LOS ESTEROS CRITICAL ENERGY FACILITY EXPANSION	378	3.0	FC	Combined Cycle	120.0	Storage	3.0	SANTA CLARA
KETTLEMAN SOLAR PROJECT (FKA KETTLEMAN SOLAR FARM)	625	20.0	EO	Photovoltaic	20.0	Storage	20.0	KINGS
APPARENT FIRST HYBRID	653F	12.0	EO	Photovoltaic	12.0	Storage	12.1	YOLO
COLUMBIA SOLAR ENERGY 2 FKA COLUMBIA SOLAR ENERGY II	687	20.0	FC	Photovoltaic	20.0	Storage	20.0	CONTRA COSTA
LASSEN LODGE HYDROELECTRIC	720	4.5	EO	Hydro	4.5			TEHAMA
WRIGHT SOLAR	779	80.0	FC	Photovoltaic	200.0	Storage	80.0	MERCED
FIFTH STANDARD SOLAR	954	150.0	PC	Photovoltaic	150.0	Storage	117.0	FRESNO
LASSEN LODGE HYDROELECTRIC 2	1002	0.5	EO	Hydro	0.5			TEHAMA
BLACKBRIAR	1027	20.0	FC	Storage	20.0			FRESNO
ALTAMONT MIDWAY LTD	1096	5.0	EO	Wind Turbine	5.0			ALAMEDA
BEAR CANYON ENERGY STORAGE	1097	13.0	FC	Storage	13.3			LAKE
NORTH CENTRAL VALLEY	1109	132.0	FC	Storage	150.0			SAN JOAQUIN
ULTRAPOWER CHINESE STATION BESS	1116	10.0	FC	Storage	10.0			TUOLUMNE
WESTLANDS ALMOND	1136	19.9	EO	Photovoltaic	20.0			KINGS
MEDEIROS SOLAR	1239	26.5	EO	Photovoltaic	28.4			MERCED
PAULSELL SOLAR ENERGY CENTER	1350	20.0	PC	Photovoltaic	20.0	Storage	20.0	STANISLAUS
WEST FORD FLAT ENERGY STORAGE	1367	25.0	FC	Storage	26.3			LAKE
GONZAGA WIND FARM	1378	76.4	FC	Wind Turbine	80.0	Storage	50.0	MERCED
LAS CAMAS 1	1382	100.0	FC	Photovoltaic	102.5			MERCED
LAS CAMAS 3	1456	100.0	FC	Photovoltaic	102.5			MERCED
MILPA POWER BANK	1457	3.0	FC	Storage	3.0			SANTA CLARA
TEPONA OFF-SHORE WIND	1491	156.0	EO	Wind Turbine	161.9			HUMBOLDT
HYDASPES	1558	40.0	EO	Storage	41.4	Photovoltaic	40.6	STANISLAUS
DENALI ENERGY STORAGE	1690	101.2	PC	Storage	102.0			SAN JOAQUIN
OAKLAND ES UNIT 3	1830	55.0	FC	Storage	55.7			ALAMEDA
CASCADE ENERGY STORAGE EXPANSION	1835	20.0	FC	Storage	20.3			SAN JOAQUIN
BRIXENERGY STORAGE	1836	200.0	EO	Storage	213.6			SONOMA

# PG&E “need RAS” project list (no other transmission)

Project Name	Queue Position	Incremental MW	Full Capacity, Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
NORTHERN ORCHARD SOLAR	946	100.0	PC	Photovoltaic	100.0	Storage	92.0	KERN
NORTHERN ORCHARD SOLAR 2	1259	50.0	EO	Photovoltaic	133.6			KERN
NORTHERN ORCHARD SOLAR 3	1260	100.0	EO	Photovoltaic	102.0			KERN
GONZAGA HYBRID	1718	103.7	FC	Storage	54.9	Wind Turbine	60.5	MERCED
SUNRISE POWER IMPROVEMENT	1745	35.0	FC	Combined Cycle	655.7			KERN

# PG&E “need RAS and/or under development transmission”

Project Name	Queue Position	Incremental MW	Full Capacity, Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
REDWOOD SOLAR FARM	744	90	PC	Photovoltaic	90			KERN
FOUNTAIN WIND	1106	200	FC	Wind Turbine	206			SHASTA
LAKE ALPAUGH BATTERY STORAGE	1143	10	FC	Storage	10			TULARE
CASCADE ENERGY STORAGE	1272	25	FC	Storage	25			SAN JOAQUIN
HEARTLAND 1	1379	150	EO	Photovoltaic	156			FRESNO
HEARTLAND 2	1380	150	EO	Photovoltaic	156			FRESNO
SONRISA	1391	200	FC	Photovoltaic	205	Storage	184	FRESNO
AZALEA	1493	60	PC	Photovoltaic	61	Storage	38	KERN
MEADOWS ENERGY STORAGE	1695	101	EO	Storage	102			PLACER
AJO POWER BANK	1442	120	FC	Storage	124			SANTA CLARA
HUMMINGBIRD ENERGY STORAGE	1454	75	FC	Storage	75			SANTA CLARA
IRVING STORAGE	1539	750	FC	Storage	783			MONTEREY
TANAGER STORAGE	1550	200	FC	Storage	200			SANTA CLARA
JEWELFLOWER STORAGE	1553	350	FC	Storage	355			SANTA CLARA
MULQUEENEY RANCH WIND 2	1459	60	FC	Wind Turbine	63			ALAMEDA
CORMORANT STORAGE	1552	250	FC	Storage	250			SAN FRANCISCO
CROSSROADS STORAGE	1688	300	EO	Storage	313			SHASTA
FORTIS	1691	200	EO	Wind Turbine	207	Storage	204	SOLANO
POTENTIA-VIRIDI	1702	400	FC	Wind Turbine	409	Photovoltaic	410	SAN JOAQUIN
AIR STATION 1	1568	40	EO	Photovoltaic	21	Storage	21	KINGS
DRIFTWOOD STELLA	1394	200	EO	Photovoltaic	207	Storage	184	KERN
CHAMISE	1591	55	EO	Photovoltaic	56	Storage	22	KERN
ARAMIS POWER PLANT	1349	100	FC	Photovoltaic	101	Storage	101	ALAMEDA
SAND HILL C	1363	81	FC	Wind Turbine	84			ALAMEDA
RECLAIMED WIND	1461	91	PC	Wind Turbine	112			ALAMEDA
AQUEDUCT ENERGY STORAGE	1683	100	EO	Storage	102			CONTRA COSTA
SOLANO 4 WIND	1463	91	FC	Wind Turbine	92			SOLANO
DESCENDANT RANCH 1	1496	500	PC	Storage	510	Photovoltaic	514	COLUSA
STEEL CITY BATTERY STORAGE	1705	220	EO	Storage	675			CONTRA COSTA
PROSPECT ENERGY STORAGE	1507	50	FC	Storage	59			SACRAMENTO
CONAWAY HYBRID POWER PLANT	1687	80	EO	Storage	85	Photovoltaic	85	YOLO
SALOON ENERGY STORAGE	1444	150	PC	Photovoltaic	150	Storage	150	COLUSA
NORTH BAY ENERGY STORAGE	1700	100	EO	Storage	103			SONOMA
PELICANS JAW HYBRID SOLAR	1593	500	PC	Storage	500	Photovoltaic	500	KINGS
BUTTONBUSH SOLAR HYBRID ENERGY CENTER	1596	800	FC	Storage	818	Photovoltaic	818	KERN
BLUFF TRAIL STORAGE	1733	500	EO	Storage	632			SAN LUIS OBISPO
HAWKINS SOLAR HYBRID	1736	250	PC	Photovoltaic	250	Storage	250	KERN
PECHO ENERGY STORAGE	1739	500	PC	Storage	108	Other	520	SAN LUIS OBISPO



# PG&E “need RAS and/or under development transmission”

Project Name	Queue Position	Incremental MW	Full Capacity, Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
WINDWALKER OFFSHORE	1750	1000	FC	Wind Turbine	1029			SAN LUIS OBISPO
NOOSA ENERGY STORAGE	1557	99	FC	Storage	100			SAN JOAQUIN
CHESTNUT WESTSIDE	1120	150	FC	Photovoltaic	152	Storage	135	KINGS
SCARLET	1135	400	FC	Photovoltaic	400	Storage	400	FRESNO
WESTLANDS SOLAR BLUE	1139	250	FC	Photovoltaic	252	Storage	225	KINGS
REDUX SOLAR	1389	125	FC	Photovoltaic	128	Storage	30	FRESNO
KEY STORAGE 1	1479	300	FC	Storage	309			FRESNO
CHALAN SOLAR	1495	65	FC	Storage	25	Photovoltaic	67	KERN
ROSEMARY	1709	35	FC	Photovoltaic	36	Storage	36	FRESNO
LEAD	1713	32	FC	Storage	33			KINGS
ZETA	1728	75	FC	Storage	77	Photovoltaic	77	MERCED
PUFF HYBRID SOLAR	1740	100	FC	Storage	102	Photovoltaic	102	KERN
SECOND FIDDLE	1744	100	EO	Solar Thermal	103	Storage	51	KERN
WHALE ROCK ENERGY	1749	300	EO	Photovoltaic	101	Storage	54	SAN LUIS OBISPO
WINSTON HYBRID PV AND BESS	1751	200	FC	Storage	102	Photovoltaic	204	KERN
LUNA VALLEY SOLAR	1129	200	FC	Photovoltaic	204	Storage	169	FRESNO
SANDRINI SOL 1	1397	100	PC	Photovoltaic	104	Storage	92	KERN
SANDRINI SOL 2	1398	200	FC	Photovoltaic	205			KERN
ANGELA	1443	40	FC	Photovoltaic	40	Storage	20	TULARE
JASMINE	1499	70	PC	Photovoltaic	71	Storage	70	KERN
ARCTURUS	1586	150	EO	Storage	152	Photovoltaic	152	KERN
KINGSROAD HYBRID SOLAR	1587	100	EO	Storage	102	Photovoltaic	102	KERN
JANUS	1455	80	FC	Storage	80	Photovoltaic	84	COLUSA

# South “no transmission needed” project list

Project Name	Queue Position	Incremental MW	Full Capacity Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
SUNSHINE VALLEY SOLAR 1	993	50	FC	Photovolta	50	Storage	40	NYE
WHITE WING RANCH SOLAR	1062	200	EO	Photovolta	200	Storage	200	YUMA
ARES NEVADA	1064	44	FC	Storage	44			NYE
MCFARLAND SOLAR	1171	435	PC	Photovolta	500	Storage	435	YUMA
AGUA CALIENTE SOLAR 2	1222	20	EO	Photovolta	20			MARICOPA
MESQUITE SOLAR 5	1291	300	FC	Storage	20	Photovoltaic	300	MARICOPA
VULCAN	1534	250	EO	Storage	28.8	Photovoltaic	225	MARICOPA
AVOCET STORAGE	1608	200	FC	Storage	200			LOS ANGE
COMMERCE ENERGY STORAGE	1611	250	FC	Storage	250			LOS ANGE
KESTREL STORAGE	1615	200	FC	Storage	200			LOS ANGE
GOLDBACK SOLAR CENTER	1619	500	FC	Storage	500	Photovoltaic	500	VENTURA
RAMPA	1641	100	FC	Storage	100.98			SAN BERN
SANDPIPER STORAGE	1657	100	PC	Storage	200			ORANGE
VENTASSO ENERGY STORAGE	1662	50	FC	Storage	50.774			SAN DIEGO
HOODINI	1663	450	EO	Storage	112.63	Photovoltaic	459.54	YUMA COU
POME BESS	1669	100	FC	Storage	101.5			SAN DIEGO
PEREGRINE STORAGE	1670	200	FC	Storage	200			SAN DIEGO
NIGHTHAWK STORAGE	1673	300	FC	Storage	300			SAN DIEGO
SADDLE MOUNTAIN SOLAR	1818	125	EO	Storage	62.1	Photovoltaic	126.9	MARICOPA

# South “need RAS” project list (no other transmission)

Project Name	Queue Position	Incremental MW	Full Capacity Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
TULE WIND	32	193.8	PC	Wind Turbine	193.8			SAN DIEGO
SANDSTORM WIND POWER	138	150	PC	Wind Turbine	60	Storage	90	RIVERSIDE
DESERT SUNLIGHT PV I	146	250	PC	Photovoltaic	250	Storage	230	RIVERSIDE
DESERT SUNLIGHT PV II	147	300	PC	Photovoltaic	300	Storage	230	RIVERSIDE
DRACKER SOLAR	294	485	PC	Photovoltaic	485	Storage	390.2	RIVERSIDE
ALMASOL	365	500	FC	Photovoltaic	500	Storage	93	RIVERSIDE
SLOTH	421	49.5	EO	Steam Turbin	49.5			RIVERSIDE
SILVER STATE SOUTH SOLAR PROJECT	467	230	FC	Steam Turbin	230	Storage	200	CLARK
ROSAMOND WEST SOLAR	506	299.6	FC	Photovoltaic	299.6	Storage	147.7	KERN
BIG SKY SOLAR	768	320	PC	Photovoltaic	320	Storage	163.4	LOS ANGE
RUGGED SOLAR FARM	789	71.88	EO	Photovoltaic	71.88			SAN DIEGO
STAGE COACH SOLAR	897	130	PC	Photovoltaic	200	Storage	50	SAN BERN
GASKELL WEST	1074	113	PC	Photovoltaic	128.07	Storage	61.62	KERN
WILLOW SPRINGS SOLAR 3	1076	50	FC	Photovoltaic	1	Storage	50	KERN
BIG ROCK SOLAR FARM	1166	174	PC	Photovoltaic	200	Storage	200	IMPERIAL
FALLBROOK ENERGY STORAGE	1169	69.6	FC	Storage	69.6			SAN DIEGO
GATEWAY ENERGY STORAGE	1170	250	FC	Storage	250			SAN DIEGO
LECONTE ENERGY STORAGE	1175	100	PC	Storage	125			IMPERIAL
CRIMSON	1192	350	FC	Photovoltaic	359.6	Storage	365	RIVERSIDE
ARLINGTON	1196	310	PC	Photovoltaic	409.9	Storage	242.6	RIVERSIDE
QUARTZITE SOLAR 8	1198	139	PC	Photovoltaic	150	Storage	55	RIVERSIDE
ARATINA SOLAR CENTER 1	1204	38	PC	Photovoltaic	200	Storage	200	SAN BERN
SIENNA SOLAR FARM	1207	186	PC	Photovoltaic	200	Storage	200	SAN BERN
ANTELOPE SOLAR 2	1208	222	FC	Storage	200	Photovoltaic	450	LOS ANGE

# South “need RAS” project list (no other transmission)

Project Name	Queue Position	Incremental MW	Full Capacity Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
ROSAMOND SOUTH EAST	1211	92	PC	Photovoltaic	101.7	Storage	94	KERN
GOLDEN FIELDS SOLAR	1212	92	PC	Photovoltaic	101.7	Storage	95	KERN
RABBITBRUSH SOLAR	1215	150	FC	Photovoltaic	100	Storage	70	KERN
WILLOW SPRINGS SOLAR 4	1217	75	FC	Photovoltaic	1	Storage	75	KERN
SOL CATCHER BESS	1302	213.5	EO	Storage	50	Photovoltaic	223.5	RIVERSIDE
DAGGETT SOLAR 1	1312	144	FC	Photovoltaic	148.96	Storage	100	SAN BERN
DAGGETT SOLAR 2	1313	182	FC	Photovoltaic	188.86	Storage	126	SAN BERN
DAGGETT SOLAR 3	1314	300	FC	Photovoltaic	313.88	Storage	208	SAN BERN
WILLY 9	1319	250	FC	Photovoltaic	259.842	Storage	250	KERN
SOLAR STAR 3	1322	24	FC	Storage	24.95	Photovoltaic	25	KERN
SOLAR STAR 4	1323	24	FC	Storage	24.95	Photovoltaic	25.05	KERN
EDSAN 1	1324	300	FC	Photovoltaic	118	Storage	266	KERN
CYCLONE SOLAR	1327	52	PC	Photovoltaic	57.95	Storage	52	KERN
PASTORIA SOLAR	1335	100	PC	Photovoltaic	106.875	Storage	80	KERN
SILVER PEAK SOLAR	1339	279	PC	Photovoltaic	300	Storage	279	CLARK
YELLOW PINE 2	1341	250	FC	Photovoltaic	254.05	Storage	125	CLARK
CRESCENT PEAK	1347	227	PC	Wind Turbine	310			CLARK
ATHOS POWER PLANT	1405	450	FC	Photovoltaic	458	Storage	450	RIVERSIDE
BALDY MESA	1413	100	FC	Storage	110.04	Photovoltaic	110.04	SAN BERN
CAMINO SOLAR	1419	54.28	FC	Photovoltaic	44.88	Storage	13.4	KERN
EDSAN 2	1424	500	FC	Photovoltaic	357	Storage	196	KERN
MOUNT LAGUNA WIND 2	1429	400	EO	Wind Turbine	400			SAN DIEGO
VIKTORIA SOLAR	1435	250	FC	Photovoltaic	250	Storage	112.5	YUMA
BELLEFIELD SOLAR FARM	1510	500	FC	Photovoltaic	500	Storage	500	KERN
REXFORD SOLAR FARM	1516	300	FC	Photovoltaic	300	Storage	300	TULARE
SANBORN SOLAR 2	1518	500	FC	Photovoltaic	250	Storage	250	KERN

# South “need RAS” project list (no other transmission)

Project Name	Queue Position	Incremental MW	Full Capacity Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
BALDY MESA 2	1519	100	FC	Photovoltaic	110.88	Storage	49.9	SAN BERN
QUARTZITE SOLAR 11	1526	150	FC	Storage	151.052	Photovoltaic	155.43	RIVERSIDE
KETTLE SOLAR ONE	1532	20	FC	Photovoltaic	90	Storage	90	SAN DIEGO
ARATINA SOLAR CENTER 2	1604	200	FC	Storage	200	Photovoltaic	200	KERN
SEGS EXPANSION HYBRID	1617	150	FC	Storage	73.26	Photovoltaic	82.43424	SAN BERN
GLENFELIZ SOLAR FARM	1631	500	FC	Storage	500	Photovoltaic	500	KERN
SANBORN HYBRID 3	1632	1400	FC	Storage	671.55	Photovoltaic	778.5456	KERN
CALYPSO SOLAR	1636	400	EO	Storage	200	Photovoltaic	400	RIVERSIDE
OBERON	1642	500	FC	Storage	518.4	Photovoltaic	518.4	RIVERSIDE
LYCAN SOLAR	1643	400	EO	Photovoltaic	400	Storage	200	RIVERSIDE
MENIFEE POWER BANK	1645	680	FC	Storage	680			RIVERSIDE
ANGORA SOLAR FARM	1647	700	FC	Storage	700	Photovoltaic	700	CLARK
CIMARRON WIND	1660	300	EO	Wind Turbine	352.5			TECATE
OBSIDIAN WIND	1661	300	EO	Wind Turbine	300			BAJA CALI
KINGSLEY SOLAR FARM	1665	360	EO	Storage	360	Photovoltaic	360	IMPERIAL
WISTARIA RANCH SOLAR 2	1667	150	EO	Photovoltaic	153.7	Storage	52.13	IMPERIAL
COBALT	1757	250	EO	Storage	256.202	Photovoltaic	256.41	RIVERSIDE
GRACE ENERGY CENTER	1761	500	EO	Photovoltaic	508.56	Storage	508.56	RIVERSIDE
SEGS EXPANSION 2 HYBRID	1775	58	PC	Storage	54.59142	Photovoltaic	54.59142	SAN BERN
GEM ENERGY STORAGE	1782	500	FC	Storage	108	Other	512	KERN
KEYHOLE WIND	1784	100	FC	Wind Turbine	100			KERN
SANBORN HYBRID 4	1790	100	EO	Storage	54.59142	Photovoltaic	54.59142	KERN
ARIDA 3 SOLAR FARM	1795	450	FC	Storage	450	Photovoltaic	450	CLARK
DELAMAR ENERGY STORAGE	1796	250	FC	Storage	256.29			CLARK
WATER ROCK	1801	200	EO	Photovoltaic	210.23	Storage	210.23	NYE
VIENTO FRONTERIZO	1824	972.82	EO	Wind Turbine	1001			MUNICIPA
DESERT HARVEST	643AE	150	PC	Photovoltaic	150	Storage	115	RIVERSIDE

# South “need RAS plus transmission”

Project Name	Queue Position	Incremental MW	Full Capacity Partial or EO	Generator Type 1	MW 1	Generator Type 2	MW 2	County
Alpine BESS	297	66	PC	Steam Turbine	66	Storage	66	LOS ANGE
VICTORY PASS SOLAR	1200	200	PC	Photovoltaic	200	Storage	186	RIVERSIDE
MARVEL	1295	400	FC	Storage	405.85			RIVERSIDE
Sagebrush Solar 2	1325	200	FC	Photovoltaic	1	Storage	199	KERN
ARIDA SOLAR FARM	1522	370	FC	Storage	370	Photovoltaic	370	CLARK
ANGELENO SOLAR FARM	1625	1150	FC	Storage	1150	Photovoltaic	1150	LOS ANGE
HUMIDOR STORAGE 1	1629	300	FC	Storage	305			LOS ANGE
COMMERCE ENERGY STC	1766	250	FC	Storage	250			LOS ANGE
ROADHOUSE STORAGE	1768	300	FC	Storage	312.96			SAN BERN
Shoals Energy Storage	1783	400	FC	Storage	409			VENTURA
Rexford 2 Solar Farm	1789	200	FC	Storage	200	Photovoltaic	200	TULARE
Sequoia	1792	200	FC	Storage	102.963	Photovoltaic	206.13	TULARE