

DOCKETED

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State of California
 California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
Administrative Information (issued 12/2016)



Name of Load Serving Entity ("LSE")

Southern California Edison

 Name of Resource Planning Coordinator

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Persons who prepared Supply Forms

	S-1 CRATS	S-2 Energy Balance	S-3 Small POU Hourly Loads	S-5 Bilateral Contracts	Application for Confidentiality
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Date Updated by LSE:	10/6/2017	10/6/2017			

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State of California
 California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC Form S-1: Capacity Resource Accounting Table (issued 12/2016)



Southern California Edison

Where cell specifies more than one datum, separate data with a semicolon.

2018 MW numbers are illustrative.

Yellow fill relates to an application for confidentiality.

Bold font cells sum automatically.

Data input by User are in dark green font.

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	PEAK LOAD CALCULATIONS	(↓ Prior Forecasts ↓)		(Forecast Supply ⇌)									
1	Forecast Total Peak-Hour 1-in-2 Demand*	22,852	23,015				21,999	21,756	21,684	21,796	21,957	22,103	22,276
2a	ESP Demand: Existing Customer Contracts												
2b	ESP Demand: New and Renewed Contracts												
2c	ESP Demand in PG&E service area												
2d	ESP Demand in SCE service area												
2e	ESP Demand in SDG&E service area												
3	Additional Achievable Energy Efficiency (-)**	0	0	0	0	0	0	0	0	0	0	0	0
4	Demand Response / Interruptible Programs (-)***	0	0	0	0	0	0	0	0	0	0	0	0
5	Adjusted Demand: End-Use Customers	22,852					21,999	21,756	21,684	21,796	21,957	22,103	22,276
6	Coincidence Adjustment (-)												
7	Coincident Peak-Hour Demand	22,852					21,999	21,756	21,684	21,796	21,957	22,103	22,276
8	Required Planning Reserve Margin	3,428					3,300	3,263	3,253	3,269	3,294	3,315	3,341
9	Credit for Imports That Carry Reserves (-)												
10	Firm Sales Obligations												
11	Firm LSE Procurement Requirement	26,279					25,299	25,020	24,936	25,066	25,251	25,418	25,617

CAPACITY SUPPLY RESOURCES													
12a	Total Fossil Fuel Supply	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202	1,202
12b	Gas, SCE Mountain View 3	485	485	485	485	485	485	485	485	485	485	485	485
12c	Gas, SCE Mountain View 4	485	485	485	485	485	485	485	485	485	485	485	485
12d	Gas, SCE Peaker Barre	47	47	47	47	47	47	47	47	47	47	47	47
12e	Gas, SCE Peaker Center	47	47	47	47	47	47	47	47	47	47	47	47
12f	Gas, SCE Peaker Grapeland	46	46	46	46	46	46	46	46	46	46	46	46
12g	Gas, SCE Peaker Miraloma	46	46	46	46	46	46	46	46	46	46	46	46
12h	Gas, SCE Peaker McGrath	47	47	47	47	47	47	47	47	47	47	47	47
13a	Total Nuclear Supply	623	623	623	623	623	623	623	623	623	623	623	623
13b	Nuclear, Palo Verde 1	208	208	208	208	208	208	208	208	208	208	208	208
13c	Nuclear, Palo Verde 2	208	208	208	208	208	208	208	208	208	208	208	208
13d	Nuclear, Palo Verde 3	208	208	208	208	208	208	208	208	208	208	208	208
14a	Total Hydroelectric Supply	1,109	1,120	1,104	1,104	1,104	1,104	1,104	1,104	1,104	1,104	1,104	1,104
14b	Total: Hydro Supply from Plants larger than 30 MW	1,023	1,026	1,016	1,016	1,016	1,016	1,016	1,016	1,016	1,016	1,016	1,016
14c	Total: Hydro Supply from Plants 30 MW or less	86	94	88	88	88	88	88	88	88	88	88	88
15a	Total Utility-Controlled Renewable Supply	35	35	35	35	35	35	35	35	35	35	35	35
15b	Solar, SPVP	35	35	35	35	35	35	35	35	35	35	35	35
17a	Total Qualifying Facility (QF) Contract Supply	1,997	1,861	1,697	1,548	1,254	968	529	479	157	115	115	112

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
17b	Biofuels												
17c	Geothermal												
17d	Small Hydro												
17e	Solar												
17f	Wind												
17g	Natural Gas												
17h	Other												
line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18a	Total Renewable Contract Supply	1,203	1,657										
18b	Renewable DG Supply												
18c	Biogas; MM Tajiguas Energy LLC												
18d	Biogas; Ventura Regional Sanitation District												
18e	Biogas; Riverside County Waste Management Dept.												
18f	Biogas; Republic Services of Sonoma County Energy Producers, Inc.												
18g	Biomass; Pacific Ultrapower Chinese Station												
18h	Biomass; Rio Bravo Rocklin												
18i	Biomass; Rio Bravo Fresno												
18j	Geothermal; Coso Clean Power, LLC												
18k	Geothermal; Terra-Gen Dixie Valley, LLC												
18l	Geothermal; Geysers Power Company, LLC												
18m	Geothermal; ORNI 18, LLC												
18n	Geothermal; Coso Clean Power, LLC												
18o	Geothermal; Coso Clean Power, LLC												
18p	Geothermal; Geysers Power Company, LLC												
18q	Geothermal; Geysers Power Company, LLC												
18r	Small Hydro; Bishop Tungsten Development, LLC												
18s	Small Hydro; California Water Service Company												
18t	Small Hydro; Isabella Fish Flow Hydroelec Proj LLC												
18u	Small Hydro; Monte Vista Water District												
18v	Small Hydro; Lower Tule River Irrigation District												
18w	Small Hydro; White Mountain Ranch, LLC												
18x	Small Hydro; Calleguas MWD - Conejos												
18y	Small Hydro; TKO Power, LLC (South Bear Creek)												
18z	Small Hydro; City of Santa Barbara												
18aa	Small Hydro; Goleta Water District												
18ab	Small Hydro; Desert Water Agency												
18ac	Small Hydro; Desert Water Agency (Snow Creek)												
18ad	Small Hydro; Calleguas MWD (Springville Hydro)												
18ae	Small Hydro; Calleguas Municipal Water District												
18af	Small Hydro; Walnut Valley Water District												
18ag	Small Hydro; Calleguas MWD - Unit 3 (Santa Rosa)												
18ah	Solar PV; NRG Solar Blythe LLC												
18ai	Solar Thermal; Solar Partners I, LLC												
18aj	Solar PV; Desert Sunlight 250, LLC												
18ak	Solar PV; Desert Stateline LLC												
18al	Solar PV; RE Rio Grande, LLC												
18am	Solar PV; RE Rosamond Two LLC												
18an	Solar PV; RE Victor Phelan Solar One LLC												

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18ao	Solar PV; TA High Desert LLC												
18ap	Solar PV; Temescal Canyon RV, LLC												
18aq	Solar PV; CED Corcoran Solar 2, LLC												
18ar	Solar PV; Silver State Solar Power South, LLC												
18as	Solar PV; Regulus Solar, LLC												
18at	Solar PV; Adobe Solar, LLC												
18au	Solar PV; Golden Springs Develop Co., LLC (Bldg C)												
18av	Solar PV; Golden Springs Develop. Co, LLC (Bldg D)												
18aw	Solar PV; Industry Metrolink PV 1, LLC												
18ax	Solar PV; SS San Antonio West LLC												
18ay	Solar PV; SEPV1, LLC												
18az	Solar PV; SEPV2, LLC												
18ba	Solar PV; North Palm Springs Investments, LLC 5408												
18bb	Solar PV; North Palm Springs Investments, LLC 5411												
18bc	Solar PV; Solar Star California XIX, LLC												
18bd	Solar PV; Solar Star California XX, LLC												
18be	Solar PV; Solar Star California XIII, LLC												
18bf	Solar PV; One Miracle Property, LLC												
18bg	Solar PV; Powhatan Solar Power Generation Station												
18bh	Solar PV; Otoe Solar Power Generation Station												
18bi	Solar PV; Navajo Solar Power Generation Station 1												
18bj	Solar PV; FTS Master Tenant 1, LLC (LDFRB)												
18bk	Solar PV; Victor Dry Farm Ranch A LLC												
18bl	Solar PV; Victor Dry Farm Ranch B LLC												
18bm	Solar PV; Central Antelope Dry Ranch C, LLC												
18bn	Solar PV; North Lancaster Ranch, LLC												
18bo	Solar PV; Sierra Solar Greenworks, LLC												
18bp	Solar PV; American Solar Greenworks, LLC												
18bq	Solar PV; FTS Master Tenant 1, LLC (ESA)												
18br	Solar PV; FTS Master Tenant 1, LLC (ESB)												
18bs	Solar PV; Nicolis, LLC												
18bt	Solar PV; Garnet Solar Pwr Gen Station 1, LLC												
18bu	Solar PV; Tropico, LLC												
18bv	Solar PV; RE Columbia 3 LLC												
18bw	Solar PV; McCoy Solar, LLC												
18bx	Solar PV; Industry Solar Power Generation Station												
18by	Solar PV; Newberry Solar 1 LLC												
18bz	Solar PV; USDA Forest Service San Dimas Technology												
18ca	Solar PV; Little Rock - Pham Solar, LLC												
18cb	Solar PV; L-8 Solar Project, LLC												
18cc	Solar PV; Heliocentric, LLC												
18cd	Solar PV; Treen Solar 1, LLC												
18ce	Solar PV; Treen Solar 2, LLC												
18cf	Solar PV; Annie Power, LLC												
18cg	Solar PV; J Ram Solar 1, LLC												
18ch	Solar PV; J Ram Solar 2, LLC												
18ci	Solar PV; J Ram Solar 3, LLC												
18cj	Solar PV; Sandra Energy, LLC												
18ck	Solar PV; Dreamer Solar, LLC												

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18cl	Solar PV; Drew Energy, LLC												
18cm	Solar PV; Voyager Solar 1, LLC												
18cn	Solar PV; Voyager Solar 2, LLC												
18co	Solar PV; Voyager Solar 3, LLC												
18cp	Solar PV; Becca Solar, LLC												
18cq	Solar PV; Toro Power 1, LLC												
18cr	Solar PV; Toro Power 2, LLC												
18cs	Solar PV; Radiance Solar 5 LLC												
18ct	Solar PV; Radiance Solar 4 LLC												
18cu	Solar PV; Highlander Solar 1												
18cv	Solar PV; Highlander Solar 2												
18cw	Solar PV; Summer Solar C2, LLC												
18cx	Solar PV; Summer Solar D2, LLC												
18cy	Solar PV; Summer Solar A2 LLC												
18cz	Solar PV; Summer Solar B2, LLC												
18da	Solar PV; FTS Master Tenant 1 LLC (Rodeo Solar C2)												
18db	Solar PV; FTS Master Tenant 1 LLC (Rodeo Solar D2)												
18dc	Solar PV; Expressway Solar C2, LLC												
18dd	Solar PV; Tulare PV I, LLC (Exeter 1)												
18de	Solar PV; Tulare PV I, LLC (Exeter 2)												
18df	Solar PV; Tulare PV I, LLC (Exeter 3)												
18dg	Solar PV; Tulare PV I, LLC (Lindsay 1)												
18dh	Solar PV; Tulare PV I, LLC (Lindsay 3)												
18di	Solar PV; Tulare PV I, LLC (Lindsay 4)												
18dj	Solar PV; Tulare PV I, LLC (Ivanhoe 1)												
18dk	Solar PV; Tulare PV I, LLC (Ivanhoe 2)												
18dl	Solar PV; Tulare PV I, LLC (Ivanhoe 3)												
18dm	Solar PV; Tulare PV I, LLC (Porterville 1)												
18dn	Solar PV; Tulare PV I, LLC (Porterville 2)												
18do	Solar PV; Tulare PV I, LLC (Porterville 5)												
18dp	Solar PV; Sequoia PV 1, LLC (Tulare 1)												
18dq	Solar PV; Sequoia PV 1, LLC (Tulare 2)												
18dr	Solar PV; Kettering 1												
18ds	Solar PV; Kettering 2												
18dt	Solar PV; Division 1												
18du	Solar PV; Division 2												
18dv	Solar PV; Division 3												
18dw	Solar PV; Diamond Valley Solar LLC												
18dx	Solar PV; Marinos Ventures LLC												
18dy	Solar PV; Sequoia PV 1 LLC (Farmersville 1)												
18dz	Solar PV; Sequoia PV 1 LLC (Farmersville 2)												
18da	Solar PV; Lone Valley Solar Park I, LLC												
18db	Solar PV; Lone Valley Solar Park II, LLC												
18dc	Solar PV; Soccer Center												
18dd	Solar PV; Orion Solar II, LLC												
18de	Solar PV; Coronal Lost Hills, LLC												
18df	Solar PV; Vega Solar, LLC												
18dg	Solar PV; FTS Master Tenant 2, LLC (SEPV18)												
18dh	Solar PV; RE Adams East LLC												

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18di	Solar PV; Sequoia PV 1 LLC (Farmersville 3)												
18dj	Solar PV; Sequoia PV 3 LLC (Porterville 6)												
18dk	Solar PV; Sequoia PV 3 LLC (Porterville 7)												
18dl	Solar PV; SunE W12DG-C, LLC												
18dm	Solar PV; DG Solar Lessee, LLC												
18dn	Solar PV; California PV Energy, LLC												
18do	Solar PV; California PV Energy, LLC												
18dp	Solar PV; DG Solar Lessee, LLC (Duncan Rd North)												
18dq	Solar PV; DG Solar Lessee, LLC (Duncan Rd South)												
18dr	Solar PV; Victor Mesa Linda B2 LLC												
18ds	Solar PV; Victor Mesa Linda C2 LLC												
18dt	Solar PV; Victor Mesa Linda D2 LLC												
18du	Solar PV; Victor Mesa Linda E2 LLC												
18dv	Solar PV; Sequoia PV 2, LLC (Hanford 1)												
18dw	Solar PV; Sequoia PV 2, LLC (Hanford 2)												
18dx	Solar PV; CES DHS Solar, LLC (DHS Solar 1)												
18dy	Solar PV; CES DHS Solar, LLC (DHS Solar 2)												
18dz	Solar PV; DG Solar Lessee, LLC (White Rd N)												
18ea	Solar PV; DG Solar Lessee, LLC (White Rd C)												
18eb	Solar PV; Mitchell Solar, LLC												
18ec	Solar PV; Rudy Solar, LLC												
18ed	Solar PV; Madelyn Solar, LLC												
18ee	Solar PV; DG Solar Lessee, LLC (White Rd S)												
18ef	Solar PV; CF SBC Master Tenant One LLC (Adelanto1)												
18eg	Solar PV; CF SBC Master Tenant One LLC (Adelanto2)												
18eh	Solar PV; Venable Solar, LLC (North)												
18ei	Solar PV; Venable Solar, LLC (South)												
18ej	Solar PV; PsomasFMG Lancaster Solar CREST, LLC												
18ek	Solar PV; PsomasFMG Lancaster Solar CREST, LLC												
18el	Solar PV; Morgan Lancaster I, LLC												
18em	Solar PV; SEPV Palmdale East, LLC												
18en	Solar PV; Pumpjack Solar I, LLC												
18eo	Solar PV; Catalina Solar 2, LLC												
18ep	Solar PV; Citizen Solar B, LLC												
18eq	Solar PV; Wildwood Solar I, LLC												
18er	Solar PV; Adelanto Solar, LLC												
18es	Solar PV; 67RK 8 ME LLC												
18et	Solar PV; Lancaster Little Rock C LLC												
18eu	Solar PV; NRG Solar Oasis LLC												
18ev	Solar PV; CED Atwell Island West, LLC												
18ew	Solar PV; SEPV Mojave West, LLC												
18ex	Solar PV; ADERA SOLAR, LLC												
18ey	Solar PV; Kona Solar LLC												
18ez	Solar PV; Kona Solar LLC												
18fa	Solar PV; Kona Solar LLC												
18fb	Solar PV; Antelope Valley Solar												
18fc	Solar PV; SunE Solar XVI Lessor, LLC (Rochester)												
18fd	Solar PV; DG Solar Lessee II, LLC												
18fe	Solar PV; DG Solar Lessee II, LLC												

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18ff	Solar PV; Golden Springs Develop. Co, LLC (Bldg H)												
18fg	Solar PV; Golden Springs Develop. Co, LLC (Bldg M)												
18fh	Solar PV; Adelanto Solar II, LLC												
18fi	Solar Thermal; Luz Solar Partners Ltd., III												
18fj	Solar Thermal; Luz Solar Partners Ltd., IV												
18fk	Solar Thermal; Luz Solar Partners Ltd., V												
18fl	Solar PV; Rio Bravo Solar I, LLC												
18fm	Solar PV; Rio Bravo Solar II, LLC												
18fn	Solar PV; Wildwood Solar II, LLC												
18fo	Solar PV; RE Garland A, LLC												
18fp	Solar PV; SR Solis Vestal Almond, LLC												
18fq	Solar PV; SR Solis Vestal Herder, LLC												
18fr	Solar PV; SR Solis Vestal Fireman, LLC												
18fs	Solar PV; SR Solis Crown, LLC												
18ft	Solar PV; Golden Springs Building F												
18fu	Solar PV; Golden Springs Building G												
18fv	Solar PV; Golden Springs Building L												
18fw	Solar PV; Freeway Springs												
18fx	Solar PV; Dulles												
18fy	Solar PV; Mesquite Solar 2, LLC												
18fz	Solar PV; Blythe Solar II, LLC												
18ga	Solar PV; RE Garland LLC												
18gb	Solar PV; Mirasol Development LLC (Murrieta 1)												
18gc	Solar PV; Mirasol Development LLC (Pomona 1)												
18gd	Solar PV; Caliente Springs, LLC												
18ge	Solar PV; RE Walker Pass A LLC												
18gf	Solar PV; RE Tranquillity 8 AZUL LLC												
18gg	Solar PV; Milestone Wildomar, LLC												
18gh	Solar PV; Green Beanworks C, LLC												
18gi	Solar PV; Windhub Solar A, LLC												
18gj	Solar PV; Antelope DSR 3, LLC												
18gk	Solar PV; American Kings Solar, LLC												
18gl	Solar PV; Maverick Solar, LLC												
18gm	Solar PV; Green Beanworks D, LLC												
18gn	Solar PV; Sunray Energy 3 LLC												
18go	Solar PV; Neenach Solar 1B South, LLC												
18gp	Solar PV; One Ten Partners, LLC												
18gq	Solar PV; PVNavigator, LLC												
18gr	Solar PV; AVS Phase 2, LLC												
18gs	Solar PV; Lancaster WAD B, LLC (REMAT)												
18gt	Solar PV; Central Antelope Dry Ranch B LLC												
18gu	Solar PV; Copper Mountain Solar 4, LLC												
18gv	Solar PV; 88FT 8me LLC												
18gw	Solar PV; 93LF 8me LLC												
18gx	Solar PV; 41MB 8me LLC												
18gy	Solar PV; RE Tranquillity LLC												
18gz	Solar PV; Tribal Solar, LLC												
18ha	Solar PV; North Rosamond Solar, LLC												
18hb	Solar PV; Panoche Valley Solar, LLC												

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18hc	Solar PV; Longboat Solar, LLC												
18hd	Solar PV; Algonquin SKIC 10 Solar, LLC												
18he	Solar PV; Portal Ridge Solar B, LLC												
18hf	Solar PV; JACUMBA SOLAR, LLC												
18hg	Solar PV; Joshua Tree Solar Farm, LLC												
18hh	Solar PV; Sun Streams, LLC												
18hi	Solar PV; Willow Strings Solar, LLC												
18hj	Solar PV; Sunshine Valley Solar, LLC												
18hk	Solar PV; Valentine Solar, LLC												
18hl	Solar PV; Blythe Solar III, LLC												
18hm	Wind; Mountain View Power Partners IV, LLC												
18hn	Wind; Dillon Wind LLC												
18ho	Wind; Windstar Energy, LLC												
18hp	Wind; Alta Wind I, LLC												
18hq	Wind; Alta Wind II, LLC												
18hr	Wind; Alta Wind III, LLC												
18hs	Wind; Alta Wind IV, LLC												
18ht	Wind; Alta Wind V, LLC												
18hu	Wind; Mustang Hills, LLC												
18hv	Wind; Pinyon Pines Wind I, LLC												
18hw	Wind; Alta Wind VIII, LLC												
18hx	Wind; Pinyon Pines Wind II, LLC												
18hy	Wind; Alta Wind X, LLC												
18hz	Wind; Alta Wind XI, LLC												
18ia	Wind; North Hurlburt Wind, LLC												
18ib	Wind; South Hurlburt Wind, LLC												
18ic	Wind; Horseshoe Bend Wind, LLC												
18id	Wind; Mountain View Power Partners, LLC												
18ie	Wind; Goshen Phase II LLC												
18if	Wind; Coram Energy LLC												
18ig	Wind; San Gorgonio WestWinds II - Windustries												
18ih	Wind; Rising Tree Wind Farm III, LLC												
18ii	Wind; Rising Tree Wind Farm, LLC												
18ij	Wind; Windland Refresh 1, LLC												
18ik	Wind; Cameron Ridge II												
18il	Wind; Windland Refresh 2, LLC												
18im	Wind; Yavi Energy, LLC												
18in	Wind; Broadview Energy KW, LLC												
18io	Wind; El Cabo Wind LLC												
18ip	Wind; Tule Wind LLC												
18iq	Wind; Broadview Energy JN, LLC												
18ir	Wind; Voyager Wind I, LLC												
19a	Total Other Bilateral Contract Supply	13,766	10,324										
19b	Non-Renewable DG Supply												
19c	Gas; ALAMIT_7_UNIT 1												
19d	Gas; ALAMIT_7_UNIT 2												
19e	Gas; ALAMIT_7_UNIT 3												
19f	Gas; ALAMIT_7_UNIT 4												

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
19g	Gas; ALAMIT 7 UNIT 5												
19h	Gas; ALAMIT 7 UNIT 6												
19i	Gas; BUCKBL 2 PLIX3												
19j	Gas; DELTA 2 PLIX4												
19k	Gas; ELSEGN 2 UN1011												
19l	Gas; ELSEGN 2 UN2021												
19m	Gas; ETIWND 7 UNIT 3												
19n	Gas; ETIWND 7 UNIT 4												
19o	Gas; GILROY 1 UNIT												
19p	Gas; GOLETA 6 ELLWOD												
19q	Gas; HINSON 6 LBECH1												
19r	Gas; HINSON 6 LBECH2												
19s	Gas; HINSON 6 LBECH3												
19t	Gas; HINSON 6 LBECH4												
19u	Gas; HNTGBH 7 UNIT 1												
19v	Gas; HNTGBH 7 UNIT 2												
19w	Gas; LAPLMA 2 UNIT 1												
19x	Gas; LAPLMA 2 UNIT 3												
19y	Gas; LEBECS 2 UNITS												
19z	Gas; LGHTHP 6 ICEGEN												
19aa	Gas; LMEC 1 PLIX3												
19ab	Gas; MOSSLD 2 PSP1												
19ac	Gas; MOSSLD 2 PSP2												
19ad	Gas; MTWIND 1 UNIT 3												
19ae	Gas; ORMOND 7 UNIT 1												
19af	Gas; ORMOND 7 UNIT 2												
19ag	Gas; REDOND 7 UNIT 5												
19ah	Gas; REDOND 7 UNIT 6												
19ai	Gas; REDOND 7 UNIT 7												
19aj	Gas; REDOND 7 UNIT 8												
19ak	Gas; SENTNL 2 CTG1												
19al	Gas; SENTNL 2 CTG2												
19am	Gas; SENTNL 2 CTG3												
19an	Gas; SENTNL 2 CTG4												
19ao	Gas; SENTNL 2 CTG5												
19ap	Gas; SENTNL 2 CTG6												
19aq	Gas; SENTNL 2 CTG7												
19ar	Gas; SENTNL 2 CTG8												
19as	Gas; SYCAMR 2 UNIT 1												
19at	Gas; SYCAMR 2 UNIT 2												
19av	Gas; SYCAMR 2 UNIT 4												
19aw	Gas; VESTAL 2 WELLHD												
19ax	Gas; WALCRK 2 CTG1												
19ay	Gas; WALCRK 2 CTG2												
19az	Gas; WALCRK 2 CTG3												
19ba	Gas; WALCRK 2 CTG4												
19bb	Gas; WALCRK 2 CTG5												
19bc	Gas; LAPLMA 2 UNIT 3												
19bd	Gas; NRG Energy Center Oxnard, LLC												

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
19be	Gas; Stanton Energy Reliability Center, LLC												
19bf	Gas; Stanton Energy Reliability Center, LLC												
19bg	Gas; AES Alamitos Energy, LLC												
19bh	ES; AES ES Alamitos, LLC												
19bi	Gas; AES Huntington Beach Energy, LLC												
19bj	Gas; NRG California South LP- Ellwood												
19bk	Gas; NRG California South LP- Ellwood												
19bl	ES; Alta Gas - Pomona battery storage 1 - 3												
19bm	ES; Powin Energy - Milligan ESS 1 - 1												
19bn	RPS; DIABLO 7 UNIT 1												
19bo	RPS; JAWBNE 2 NSRWND												
19bp	Inter-Utility Contracts												
19n	Planned Resources: list each on lines inserted below this line.												
20	Short-Term and Spot Market Purchases (and Sales)	0	0	0	0	0	0	0	0	0	0	0	0

CAPACITY BALANCE SUMMARY													
21	Total: Existing and Planned Supply	19,934	16,822	17,652	15,916	14,533	13,041	10,104	10,047	7,916	7,873	7,872	7,866
22	Firm LSE Procurement Requirement	26,279	26,468	26,296	26,005	25,701	25,299	25,020	24,936	25,066	25,251	25,418	25,617
23	Net Surplus (or Need)	(6,345)	(9,645)	(8,643)	(10,089)	(11,168)	(12,259)	(14,916)	(14,889)	(17,149)	(17,377)	(17,546)	(17,752)
24	Generic Renewable Supply												
25	Generic Non-Renewable Resources												
26	Specified Planning Reserve Margin	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%

line	Historic LSE Peak Load:	MW	MW
		Year 2015	Year 2016
27	Annual Peak Load / Actual Metered Deliveries****	22,557	22,708.7
28	Date of Peak Load for Annual Peak Deliveries	9/8/15	6/20/16
29	Hour Ending (HE) for Annual Peak Deliveries	16	16
30	Interruptible Load called on during that hour (+)	51.3	397.3
31	Self-Generation and DG Adjustments		
32	Adjustments for Major Outages		
33	Adjusted Annual Peak Load	24,079.0	24,896.2

Lines Notes

* SCE system at generation plus MWD through September 17, 2017 only.

** EE impacts reported on IEPR Demand Form 3.2 already incorporated into reported load on IEPR Demand Forms 1.1a and 1.1b.

*** All dispatchable programs reported on form 3.4 are accounted for in line 1 (system peak) or on supply side.

**** SCE System at generation (including transmission and distribution losses and excluding MWD)

State of California
 California Energy Commission
ELECTRICITY RESOURCE PLANNING FORMS
CEC Form S-2: Energy Balance Table (issued 12/2016)



Southern California Edison

2018 GWh numbers are illustrative.

Yellow fill matches an application for confidentiality.

Where cell specifies more than one datum, separate data with a semicolon.

Bold font cells sum automatically.

Data input by User are in dark green font.

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	ENERGY DEMAND CALCULATIONS	(↓ Actual Supply ↓)		(Forecast Supply ⇨)									
1	Forecast Total Energy Demand / Consumption*	105,164	103,106				94,018	92,172	91,333	91,218	91,586	91,904	92,551
2a	ESP Demand: Existing Customer Contracts												
2b	ESP Demand: New and Renewed Contracts												
2c	ESP Demand in PG&E service area												
2d	ESP Demand in SCE service area												
2e	ESP Demand in SDG&E service area												
3	Additional Achievable Energy Efficiency (-)												
4	Demand Response / Interruptible Programs (-) ***	0	0	0	0	0	0	0	0	0	0	0	0
5	Adjusted Demand: End-Use Customers	0					94,018	92,172	91,333	91,218	91,586	91,904	92,551
6	Coincidence Adjustment [does not apply to S-2 form]												
7	Coincident Peak-Hour Demand [does not apply to S-2]												
8	Required Planning Reserve [does not apply to S-2]												
9	Credit for Imports That Carry Reserves [does not apply]												
10	Firm Sales Obligations				0								
11	Firm LSE Procurement Requirement	0	0				94,018	92,172	91,333	91,218	91,586	91,904	92,551

	ENERGY SUPPLY RESOURCES												
12a	Total Fossil Fuel Supply	5,787	4,929										
12b	Gas, SCE Mountain View 3	2,807	2,335										
12c	Gas, SCE Mountain View 4	2,946	2,566										
12d	Gas, SCE Peaker Barre	33											
12e	Gas, SCE Peaker Center	29											
12f	Gas, SCE Peaker Grapeland	22											
12g	Gas, SCE Peaker Miraloma	42											
12h	Gas, SCE Peaker McGrath	26											
13a	Total Nuclear Supply	3476	3438										
13b	Nuclear, Palo Verde 1	1,832	1,590										
13c	Nuclear, Palo Verde 2	1,644	1,848										
13d	Nuclear, Palo Verde 3	1,659	1,655										
14a	Total Hydroelectric Supply	739	3,211										
14b	Total: Hydro Supply from Plants larger than 30 MW	739	3,211										
14c	Total: Hydro Supply from Plants 30 MW or less												
15a	Total Utility-Controlled Renewable Supply	118	107	123	123	123	123	123	123	123	123	123	123
15b	Solar, SPVP	118	107	123	123	123	123	123	123	123	123	123	123
15c													
15d													
17a	Total Qualifying Facility (QF) Contract Supply	11,059	12,110										
17b	Biofuels	580	492	261	261	38	38	18	242	360	361	360	360

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
17c	Geothermal	3,484	2,926	2,872	2,306	999	505	484	484	406	330	329	150
17d	Small Hydro	10	48	119	102	101	51	4	3	2	2	2	2
17e	Solar	619	583	506	442	325	217	35	0	0	0	0	0
17f	Wind	1,071	941	766	694	585	366	118	39	0	0	0	0
17g	Natural Gas	5,296	7,120										
17h	Other	0	0	0	0	0	0	0	0	0	0	0	0
line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18a	Total Renewable Contract Supply	10,904	15,829	19,736	21,605	24,903	28,227	29,141	28,538	28,304	28,283	28,125	28,007
18b	Renewable DG Supply												
18c	Biogas; MM Tajiguas Energy LLC	22	25	23	23	23	23	23	23	23	23	23	23
18d	Biogas; Ventura Regional Sanitation District	1	1	6	6	6	1	0	0	0	0	0	0
18e	Biogas; Riverside County Waste Management Dept.	5	6	6	6	3	0	0	0	0	0	0	0
18f	Biogas; Republic Services of Sonoma County Energy Producers, Inc.	0	9	35	35	35	35	35	35	35	35	35	26
18g	Biomass; Pacific Ultrapower Chinese Station	0	0	107	129	129	130	129	35	0	0	0	0
18h	Biomass; Rio Bravo Rocklin	0	0	140	182	182	182	182	58	0	0	0	0
18i	Biomass; Rio Bravo Fresno	0	0	139	181	181	181	181	58	0	0	0	0
18j	Geothermal; Coso Clean Power, LLC	403	476	441	433	424	417	415	415	415	417	415	415
18k	Geothermal; Terra-Gen Dixie Valley, LLC	0	0	0	194	394	395	394	394	394	395	394	394
18l	Geothermal; Geysers Power Company, LLC	1,697	1,850	803	0	0	0	0	0	0	0	0	0
18m	Geothermal; ORNI 18, LLC	97	71	72	70	69	68	68	68	68	68	68	68
18n	Geothermal; Coso Clean Power, LLC	461	487	456	447	438	431	429	429	429	430	429	429
18o	Geothermal; Coso Clean Power, LLC	0	0	0	0	304	374	373	373	373	374	373	373
18p	Geothermal; Geysers Power Company, LLC	0	0	1,156	1,971	1,971	1,976	1,971	1,971	1,971	1,976	1,971	1,971
18q	Geothermal; Geysers Power Company, LLC	0	0	0	438	438	439	438	438	438	439	438	438
18r	Small Hydro; Bishop Tungsten Development, LLC	1	1	2	2	2	2	2	2	2	2	2	2
18s	Small Hydro; California Water Service Company	0	0	0	0	0	0	0	0	0	0	0	0
18t	Small Hydro; Isabella Fish Flow Hydroelec Proj LLC	2	3	3	3	3	3	3	3	3	3	3	3
18u	Small Hydro; Monte Vista Water District	0	1	1	1	1	1	1	1	1	1	1	1
18v	Small Hydro; Lower Tule River Irrigation District	0	1	1	1	1	1	1	1	0	0	0	0
18w	Small Hydro; White Mountain Ranch, LLC	1	2	1	1	1	1	1	1	1	1	1	1
18x	Small Hydro; Calleguas MWD - Conejos	0	0	0	0	0	0	0	0	0	0	0	0
18y	Small Hydro; TKO Power, LLC (South Bear Creek)	0	2	10	10	10	10	10	10	10	10	10	10
18z	Small Hydro; City of Santa Barbara	0	0	2	2	2	2	2	2	2	2	2	2
18aa	Small Hydro; Goleta Water District	0	0	1	1	1	1	1	1	1	1	0	0
18ab	Small Hydro; Desert Water Agency	0	1	5	5	5	5	5	5	5	5	5	5
18ac	Small Hydro; Desert Water Agency (Snow Creek)	0	0	0	0	0	0	0	0	0	0	0	0
18ad	Small Hydro; Calleguas MWD (Springville Hydro)	0	1	2	2	2	2	2	2	2	2	2	2
18ae	Small Hydro; Calleguas Municipal Water District	2	5	6	6	6	6	6	6	6	6	6	6
18af	Small Hydro; Walnut Valley Water District	0	0	0	0	0	0	0	0	0	0	0	0
18ag	Small Hydro; Calleguas MWD - Unit 3 (Santa Rosa)	0	0	1	1	1	1	1	1	1	1	1	1
18ah	Solar PV; NRG Solar Blythe LLC	43	45	49	49	48	48	48	47	47	47	46	46
18ai	Solar Thermal; Solar Partners I, LLC	203	200	335	335	335	336	335	335	335	336	335	335
18aj	Solar PV; Desert Sunlight 250, LLC	584	624	562	557	540	533	528	524	519	516	511	507
18ak	Solar PV; Desert Stateline LLC	1	553	671	665	644	637	630	625	620	616	610	605
18al	Solar PV; RE Rio Grande, LLC	11	12	11	11	11	11	11	11	11	10	10	10
18an	Solar PV; RE Rosamond Two LLC	47	50	47	46	45	44	44	44	44	44	43	43
18an	Solar PV; RE Victor Phelan Solar One LLC	45	50	42	42	41	40	40	40	40	40	39	39
18ao	Solar PV; TA High Desert LLC	54	56	41	41	40	40	39	39	39	39	38	38

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18ap	Solar PV; Temescal Canyon RV, LLC	2	3	2	2	2	2	2	2	2	2	2	2
18aq	Solar PV; CED Corcoran Solar 2, LLC	27	51	39	39	37	37	36	36	36	35	35	35
18ar	Solar PV; Silver State Solar Power South, LLC	1	565	612	606	587	579	573	568	564	561	555	551
18as	Solar PV; Regulus Solar, LLC	160	152	170	169	164	161	160	159	158	157	155	154
18at	Solar PV; Adobe Solar, LLC	49	50	53	52	50	50	49	49	49	48	48	47
18au	Solar PV; Golden Springs Develop Co., LLC (Bldg C)	2	2	2	2	2	2	2	2	2	2	2	2
18av	Solar PV; Golden Springs Develop. Co, LLC (Bldg D)	2	2	2	2	2	2	2	2	2	2	2	2
18aw	Solar PV; Industry Metrolink PV 1, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18ax	Solar PV; SS San Antonio West LLC	3	3	3	3	3	3	3	3	3	3	3	3
18ay	Solar PV; SEPV1, LLC	5	5	5	5	5	5	5	5	5	5	5	4
18az	Solar PV; SEPV2, LLC	4	5	4	4	4	4	4	4	4	4	4	4
18ba	Solar PV; North Palm Springs Investments, LLC 5408	5	4	5	5	5	5	5	5	5	5	5	5
18bb	Solar PV; North Palm Springs Investments, LLC 5411	5	6	9	9	9	9	9	9	9	9	9	8
18bc	Solar PV; Solar Star California XIX, LLC	820	679	786	781	758	750	745	741	738	735	730	727
18bd	Solar PV; Solar Star California XX, LLC	759	768	725	720	699	692	687	684	681	679	674	670
18be	Solar PV; Solar Star California XIII, LLC	60	282	273	271	263	260	258	257	256	255	253	252
18bf	Solar PV; One Miracle Property, LLC	1	2	1	1	1	1	1	1	1	1	1	1
18bg	Solar PV; Powhatan Solar Power Generation Station	4	4	4	4	4	4	4	4	4	4	4	4
18bh	Solar PV; Otoe Solar Power Generation Station	3	4	4	4	4	4	4	4	4	4	4	4
18bi	Solar PV; Navajo Solar Power Generation Station 1	4	4	4	4	4	4	4	4	4	4	4	4
18bj	Solar PV; FTS Master Tenant 1, LLC (LDFRB)	13	14	13	13	13	12	12	12	12	12	12	12
18bk	Solar PV; Victor Dry Farm Ranch A LLC	6	11	10	10	9	9	9	9	9	9	9	9
18bl	Solar PV; Victor Dry Farm Ranch B LLC	6	10	10	10	9	9	9	9	9	9	9	9
18bn	Solar PV; Central Antelope Dry Ranch C, LLC	0	29	41	41	40	39	39	39	39	39	38	38
18bn	Solar PV; North Lancaster Ranch, LLC	0	1	41	41	40	39	39	39	39	39	38	38
18bo	Solar PV; Sierra Solar Greenworks, LLC	2	45	41	41	40	39	39	39	39	38	38	38
18bp	Solar PV; American Solar Greenworks, LLC	0	8	16	16	15	15	15	15	15	15	15	15
18bq	Solar PV; FTS Master Tenant 1, LLC (ESA)	5	5	5	5	5	5	5	5	5	4	4	4
18br	Solar PV; FTS Master Tenant 1, LLC (ESB)	4	5	4	4	4	4	4	4	4	4	4	4
18bs	Solar PV; Nicolis, LLC	0	11	52	51	50	49	49	48	48	48	47	47
18bt	Solar PV; Garnet Solar Pwr Gen Station 1, LLC	9	10	9	9	9	9	9	9	9	9	9	9
18bu	Solar PV; Tropico, LLC	0	8	36	36	35	34	34	34	34	33	33	33
18bv	Solar PV; RE Columbia 3 LLC	25	26	25	24	24	23	23	23	23	23	23	23
18bw	Solar PV; McCoy Solar, LLC	62	694	742	737	716	709	704	700	697	695	690	686
18bx	Solar PV; Industry Solar Power Generation Station	4	4	4	4	4	4	4	4	4	4	4	4
18by	Solar PV; Newberry Solar 1 LLC	2	2	3	3	3	3	3	3	3	3	3	3
18bz	Solar PV; USDA Forest Service San Dimas Technology	0	0	0	0	0	0	0	0	0	0	0	0
18ca	Solar PV; Little Rock - Pham Solar, LLC	0	9	10	10	10	9	9	9	9	9	9	9
18cb	Solar PV; L-8 Solar Project, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18cc	Solar PV; Heliocentric, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18cd	Solar PV; Treen Solar 1, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18ce	Solar PV; Treen Solar 2, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18cf	Solar PV; Annie Power, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18cg	Solar PV; J Ram Solar 1, LLC	4	3	5	5	4	4	4	4	4	4	4	4
18ch	Solar PV; J Ram Solar 2, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18ci	Solar PV; J Ram Solar 3, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18cj	Solar PV; Sandra Energy, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18ck	Solar PV; Dreamer Solar, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18cl	Solar PV; Drew Energy, LLC	3	3	3	3	3	3	3	3	3	3	3	3

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18cn	Solar PV; Voyager Solar 1, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18cn	Solar PV; Voyager Solar 2, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18co	Solar PV; Voyager Solar 3, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18cp	Solar PV; Becca Solar, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18cq	Solar PV; Toro Power 1, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18cr	Solar PV; Toro Power 2, LLC	1	1	2	2	1	1	1	1	1	1	1	1
18cs	Solar PV; Radiance Solar 5 LLC	3	3	3	3	3	3	3	3	3	3	3	3
18ct	Solar PV; Radiance Solar 4 LLC	3	3	3	3	3	3	3	3	3	3	3	3
18cu	Solar PV; Highlander Solar 1	32	33	32	32	31	31	30	30	30	30	30	30
18cv	Solar PV; Highlander Solar 2	24	24	24	24	24	23	23	23	23	23	23	23
18cw	Solar PV; Summer Solar C2, LLC	4	4	4	4	4	4	4	4	4	4	4	4
18cx	Solar PV; Summer Solar D2, LLC	2	2	2	2	2	2	2	2	2	2	2	2
18cy	Solar PV; Summer Solar A2 LLC	4	4	4	4	4	4	4	4	4	4	4	4
18cz	Solar PV; Summer Solar B2, LLC	4	4	4	4	4	4	4	4	4	4	4	4
18da	Solar PV; FTS Master Tenant 1 LLC (Rodeo Solar C2)	4	4	4	4	4	4	4	4	4	4	4	4
18db	Solar PV; FTS Master Tenant 1 LLC (Rodeo Solar D2)	4	4	4	4	4	4	4	4	4	4	4	4
18dc	Solar PV; Expressway Solar C2, LLC	3	4	4	4	4	4	4	4	4	4	4	4
18dd	Solar PV; Tulare PV I, LLC (Exeter 1)	2	2	2	2	2	2	2	2	2	2	2	2
18de	Solar PV; Tulare PV I, LLC (Exeter 2)	2	2	2	2	2	2	2	2	2	2	2	2
18df	Solar PV; Tulare PV I, LLC (Exeter 3)	3	3	3	3	3	3	3	3	3	3	3	3
18dg	Solar PV; Tulare PV I, LLC (Lindsay 1)	3	3	3	3	3	3	3	3	3	3	3	3
18dh	Solar PV; Tulare PV I, LLC (Lindsay 3)	3	3	3	3	3	3	3	3	3	3	3	3
18di	Solar PV; Tulare PV I, LLC (Lindsay 4)	2	2	2	2	2	2	2	2	2	2	2	2
18dj	Solar PV; Tulare PV I, LLC (Ivanhoe 1)	3	3	3	3	3	3	3	3	3	3	3	3
18dk	Solar PV; Tulare PV I, LLC (Ivanhoe 2)	1	1	1	1	1	1	1	1	1	1	1	1
18dl	Solar PV; Tulare PV I, LLC (Ivanhoe 3)	3	3	3	3	3	3	3	3	3	3	3	3
18dn	Solar PV; Tulare PV I, LLC (Porterville 1)	2	2	2	2	2	2	2	2	2	2	2	2
18dn	Solar PV; Tulare PV I, LLC (Porterville 2)	2	2	2	2	2	2	2	2	2	2	2	2
18do	Solar PV; Tulare PV I, LLC (Porterville 5)	3	3	3	3	3	3	3	3	3	3	3	3
18dp	Solar PV; Sequoia PV 1, LLC (Tulare 1)	3	3	3	3	3	3	3	3	3	3	3	3
18dq	Solar PV; Sequoia PV 1, LLC (Tulare 2)	3	3	3	3	3	3	3	3	3	3	3	3
18dr	Solar PV; Kettering 1	2	2	2	2	2	2	2	2	2	2	2	2
18ds	Solar PV; Kettering 2	2	2	2	2	2	2	2	2	2	2	2	2
18dt	Solar PV; Division 1	3	3	3	3	3	3	3	3	3	3	3	3
18du	Solar PV; Division 2	2	2	2	2	2	2	2	2	2	2	2	2
18dv	Solar PV; Division 3	2	2	2	2	2	2	2	2	2	2	2	2
18dw	Solar PV; Diamond Valley Solar LLC	2	2	3	3	3	3	3	3	3	3	3	3
18dx	Solar PV; Marinos Ventures LLC	1	1	1	1	1	1	1	1	1	1	1	1
18dy	Solar PV; Sequoia PV 1 LLC (Farmersville 1)	3	3	3	3	3	3	3	3	3	3	3	3
18dz	Solar PV; Sequoia PV 1 LLC (Farmersville 2)	3	3	3	3	3	3	3	3	3	3	3	3
18da	Solar PV; Lone Valley Solar Park I, LLC	24	23	25	25	24	24	24	24	24	24	23	23
18db	Solar PV; Lone Valley Solar Park II, LLC	51	45	53	52	51	50	50	49	49	49	48	48
18dc	Solar PV; Soccer Center	0	0	7	7	7	7	7	7	7	7	7	7
18dd	Solar PV; Orion Solar II, LLC	20	20	20	20	19	19	19	19	19	18	18	18
18de	Solar PV; Coronal Lost Hills, LLC	35	55	52	51	50	49	49	48	48	48	47	47
18df	Solar PV; Vega Solar, LLC	31	53	56	55	53	53	52	52	51	51	51	50
18dg	Solar PV; FTS Master Tenant 2, LLC (SEPV18)	0	6	6	6	6	6	6	6	6	6	6	6
18dh	Solar PV; RE Adams East LLC	49	50	48	48	46	46	46	45	45	45	45	44
18di	Solar PV; Sequoia PV 1 LLC (Farmersville 3)	3	3	3	3	3	3	3	3	3	3	3	3

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18dj	Solar PV; Sequoia PV 3 LLC (Porterville 6)	3	3	3	3	3	3	3	3	3	3	3	3
18dk	Solar PV; Sequoia PV 3 LLC (Porterville 7)	3	3	3	3	3	3	3	3	3	3	3	3
18dl	Solar PV; SunE W12DG-C, LLC	2	2	2	2	2	2	2	2	2	2	2	2
18dn	Solar PV; DG Solar Lessee, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18dn	Solar PV; California PV Energy, LLC	2	2	2	2	2	2	2	2	2	2	2	2
18dq	Solar PV; California PV Energy, LLC	3	3	3	3	3	3	3	3	3	3	3	3
18dp	Solar PV; DG Solar Lessee, LLC (Duncan Rd North)	4	4	4	4	4	4	4	4	4	4	4	4
18dq	Solar PV; DG Solar Lessee, LLC (Duncan Rd South)	2	3	3	3	3	3	3	3	3	3	3	3
18dr	Solar PV; Victor Mesa Linda B2 LLC	4	4	4	4	4	4	4	4	4	4	4	4
18ds	Solar PV; Victor Mesa Linda C2 LLC	4	4	4	4	4	4	4	4	4	4	4	4
18dt	Solar PV; Victor Mesa Linda D2 LLC	4	4	4	4	4	4	4	4	4	4	4	4
18du	Solar PV; Victor Mesa Linda E2 LLC	4	4	4	4	4	4	4	4	4	4	4	4
18dv	Solar PV; Sequoia PV 2, LLC (Hanford 1)	3	3	3	3	3	3	3	3	3	3	3	3
18dw	Solar PV; Sequoia PV 2, LLC (Hanford 2)	3	3	3	3	3	3	3	3	3	3	3	3
18dx	Solar PV; CES DHS Solar, LLC (DHS Solar 1)	2	2	3	3	3	3	3	3	3	3	3	3
18dy	Solar PV; CES DHS Solar, LLC (DHS Solar 2)	3	4	4	4	4	4	4	4	4	4	4	4
18dz	Solar PV; DG Solar Lessee, LLC (White Rd N)	4	4	4	4	4	4	4	4	4	4	4	4
18ea	Solar PV; DG Solar Lessee, LLC (White Rd C)	4	4	4	4	4	4	4	4	4	4	4	4
18eb	Solar PV; Mitchell Solar, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18ec	Solar PV; Rudy Solar, LLC	4	4	5	5	4	4	4	4	4	4	4	4
18ed	Solar PV; Madelyn Solar, LLC	3	3	5	5	4	4	4	4	4	4	4	4
18ee	Solar PV; DG Solar Lessee, LLC (White Rd S)	4	4	4	4	4	4	4	4	4	4	4	4
18ef	Solar PV; CF SBC Master Tenant One LLC (Adelanto1)	3	3	4	4	3	3	3	3	3	3	3	3
18eg	Solar PV; CF SBC Master Tenant One LLC (Adelanto2)	3	3	4	4	3	3	3	3	3	3	3	3
18eh	Solar PV; Venable Solar, LLC (North)	2	3	3	3	3	3	3	3	3	3	3	3
18ei	Solar PV; Venable Solar, LLC (South)	2	3	3	3	3	3	3	3	3	3	3	3
18ej	Solar PV; PsomasFMG Lancaster Solar CREST, LLC	3	4	5	5	5	5	5	5	5	5	5	5
18ek	Solar PV; PsomasFMG Lancaster Solar CREST, LLC	3	4	5	5	5	5	5	5	5	5	5	5
18el	Solar PV; Morgan Lancaster I, LLC	0	4	4	4	4	4	4	3	3	3	3	3
18em	Solar PV; SEPV Palmdale East, LLC	10	28	27	27	26	26	26	26	26	26	26	25
18en	Solar PV; Pumpjack Solar I, LLC	49	50	54	53	52	51	51	51	50	50	50	50
18eo	Solar PV; Catalina Solar 2, LLC	22	57	55	55	53	53	52	52	52	52	51	51
18ep	Solar PV; Citizen Solar B, LLC	0	12	12	12	11	11	11	11	11	11	11	11
18eq	Solar PV; Wildwood Solar I, LLC	45	47	53	53	52	51	51	50	50	50	50	49
18er	Solar PV; Adelanto Solar, LLC	16	61	61	60	58	57	57	56	56	55	55	54
18es	Solar PV; 67RK 8 ME LLC	10	41	39	39	38	37	37	37	37	37	36	36
18et	Solar PV; Lancaster Little Rock C LLC	13	13	13	13	13	12	12	12	12	12	12	12
18eu	Solar PV; NRG Solar Oasis LLC	0	59	63	62	60	60	59	59	58	58	57	57
18ev	Solar PV; CED Atwell Island West, LLC	26	57	49	48	47	46	46	45	45	45	44	44
18ew	Solar PV; SEPV Mojave West, LLC	0	37	59	59	57	56	56	55	55	54	54	54
18ex	Solar PV; ADERA SOLAR, LLC	0	38	44	43	42	42	42	41	41	41	41	41
18ey	Solar PV; Kona Solar LLC	2	3	3	3	3	3	3	3	3	3	3	3
18ez	Solar PV; Kona Solar LLC	2	3	3	3	3	3	3	3	3	3	3	3
18fa	Solar PV; Kona Solar LLC	2	3	3	3	3	3	3	3	3	3	3	3
18fb	Solar PV; Antelope Valley Solar	0	0	9	9	9	9	9	9	9	9	9	9
18fc	Solar PV; SunE Solar XVI Lessor, LLC (Rochester)	0	1	2	2	2	2	2	2	2	2	2	2
18fd	Solar PV; DG Solar Lessee II, LLC	0	2	2	2	2	2	2	2	2	2	2	2
18fe	Solar PV; DG Solar Lessee II, LLC	0	2	2	2	2	2	2	2	2	2	2	2
18ff	Solar PV; Golden Springs Develop. Co, LLC (Bldg H)	2	3	3	3	3	3	3	3	3	3	3	3

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18fg	Solar PV; Golden Springs Develop. Co, LLC (Bldg M)	3	3	3	3	3	3	3	3	3	3	3	3
18fh	Solar PV; Adelanto Solar II, LLC	9	19	20	20	19	19	19	19	19	19	19	18
18fi	Solar Thermal; Luz Solar Partners Ltd., III	0	0	60	62	61	60	60	60	60	60	60	60
18fj	Solar Thermal; Luz Solar Partners Ltd., IV	0	0	61	63	62	61	61	61	61	61	61	61
18fk	Solar Thermal; Luz Solar Partners Ltd., V	0	0	0	63	61	61	60	60	60	61	60	60
18fl	Solar PV; Rio Bravo Solar I, LLC	0	2	55	55	53	53	52	52	52	51	51	51
18fm	Solar PV; Rio Bravo Solar II, LLC	0	2	55	55	53	53	52	52	52	51	51	51
18fn	Solar PV; Wildwood Solar II, LLC	0	1	43	43	42	42	41	41	41	41	40	40
18fo	Solar PV; RE Garland A, LLC	0	16	62	61	59	59	58	58	58	58	57	57
18fp	Solar PV; SR Solis Vestal Almond, LLC	0	2	52	52	50	49	49	49	48	48	48	47
18fq	Solar PV; SR Solis Vestal Herder, LLC	0	2	52	52	50	49	49	49	48	48	48	47
18fr	Solar PV; SR Solis Vestal Fireman, LLC	0	2	52	52	50	49	49	49	48	48	48	47
18fs	Solar PV; SR Solis Crown, LLC	0	1	41	41	39	39	39	38	38	38	38	37
18ft	Solar PV; Golden Springs Building F	0	0	3	3	3	3	3	3	3	3	3	3
18fu	Solar PV; Golden Springs Building G	0	0	2	3	3	2	2	2	2	2	2	2
18fv	Solar PV; Golden Springs Building L	0	0	2	2	2	2	2	2	2	2	2	2
18fw	Solar PV; Freeway Springs	0	0	4	4	4	4	4	4	4	4	4	4
18fx	Solar PV; Dulles	0	1	4	4	4	4	4	4	4	4	4	4
18fy	Solar PV; Mesquite Solar 2, LLC	0	21	299	297	287	284	281	279	277	276	273	271
18fz	Solar PV; Blythe Solar II, LLC	0	108	385	382	371	367	364	362	360	359	356	354
18ga	Solar PV; RE Garland LLC	0	98	574	570	553	548	544	541	538	537	533	530
18gb	Solar PV; Mirasol Development LLC (Murrieta 1)	0	0	2	2	2	2	2	2	2	2	2	2
18gc	Solar PV; Mirasol Development LLC (Pomona 1)	0	0	1	1	1	1	1	1	1	1	1	1
18gd	Solar PV; Caliente Springs, LLC	0	0	1	2	2	2	2	2	2	2	2	2
18ge	Solar PV; RE Walker Pass A LLC	0	0	0	53	60	60	59	59	59	59	59	59
18gf	Solar PV; RE Tranquillity 8 AZUL LLC	0	0	0	58	56	56	55	55	55	55	55	55
18gg	Solar PV; Milestone Wildomar, LLC	0	0	0	2	2	2	2	2	2	2	2	2
18gh	Solar PV; Green Beanworks C, LLC	0	0	0	5	9	9	8	8	8	8	8	8
18gi	Solar PV; Windhub Solar A, LLC	0	0	0	0	25	59	58	58	58	58	57	57
18gj	Solar PV; Antelope DSR 3, LLC	0	0	0	0	30	57	56	56	56	56	55	55
18gk	Solar PV; American Kings Solar, LLC	0	0	0	0	0	14	348	346	344	343	341	339
18gl	Solar PV; Maverick Solar, LLC	0	0	0	0	0	22	403	401	398	397	394	392
18gm	Solar PV; Green Beanworks D, LLC	0	0	0	2	8	8	8	8	8	8	8	8
18gn	Solar PV; Sunray Energy 3 LLC	0	0	23	43	42	41	41	41	41	41	40	40
18go	Solar PV; Neenach Solar 1B South, LLC	0	0	0	1	5	5	4	4	4	4	4	4
18gp	Solar PV; One Ten Partners, LLC	0	0	3	6	6	6	6	6	6	6	6	6
18gq	Solar PV; PVNavigator, LLC	0	0	5	6	6	6	6	6	6	6	5	5
18gr	Solar PV; AVS Phase 2, LLC	0	0	0	6	8	8	8	8	8	8	8	8
18gs	Solar PV; Lancaster WAD B, LLC (REMAT)	0	0	7	9	9	9	9	9	8	8	8	8
18gt	Solar PV; Central Antelope Dry Ranch B LLC	0	0	6	8	8	8	8	8	8	8	8	8
18gu	Solar PV; Copper Mountain Solar 4, LLC	0	0	0	0	0	250	248	246	244	243	241	239
18gv	Solar PV; 88FT 8me LLC	0	0	0	0	0	237	406	404	402	401	398	396
18gw	Solar PV; 93LF 8me LLC	0	0	0	0	634	668	663	660	656	654	650	646
18gx	Solar PV; 41MB 8me LLC	0	0	0	0	0	78	126	125	125	124	123	123
18gy	Solar PV; RE Tranquillity LLC	0	0	0	0	23	556	552	549	546	544	540	537
18gz	Solar PV; Tribal Solar, LLC	0	0	0	0	42	871	864	860	856	853	847	843
18ha	Solar PV; North Rosamond Solar, LLC	0	0	0	0	492	488	484	481	479	477	474	472
18hb	Solar PV; Panoche Valley Solar, LLC	0	0	0	0	680	673	668	665	661	659	655	652
18hc	Solar PV; Longboat Solar, LLC	0	7	64	63	61	61	60	60	60	59	59	59

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18hd	Solar PV; Algonquin SKIC 10 Solar, LLC	0	1	26	26	25	25	25	24	24	24	24	24
18he	Solar PV; Portal Ridge Solar B, LLC	0	0	53	54	53	52	52	51	51	51	51	50
18hf	Solar PV; JACUMBA SOLAR, LLC	0	0	20	51	49	49	49	48	48	48	48	47
18hg	Solar PV; Joshua Tree Solar Farm, LLC	0	0	21	53	52	51	51	51	50	50	50	50
18hh	Solar PV; Sun Streams, LLC	0	0	0	0	0	469	465	463	460	459	456	453
18hi	Solar PV; Willow Strings Solar, LLC	0	0	0	0	333	330	327	326	324	323	321	319
18hj	Solar PV; Sunshine Valley Solar, LLC	0	0	0	0	0	302	300	299	297	296	294	293
18hk	Solar PV; Valentine Solar, LLC	0	0	0	0	16	318	316	314	312	311	308	307
18hl	Solar PV; Blythe Solar III, LLC	0	0	0	0	0	218	372	370	367	366	363	361
18hn	Wind; Mountain View Power Partners IV, LLC	151	170	160	160	160	160	160	160	160	160	160	160
18hn	Wind; Dillon Wind LLC	119	139	140	140	140	141	140	140	140	141	140	140
18hc	Wind; Windstar Energy, LLC	225	299	300	300	300	301	300	300	300	301	300	300
18hp	Wind; Alta Wind I, LLC	305	413	401	401	401	402	401	401	401	402	401	401
18hq	Wind; Alta Wind II, LLC	256	360	339	339	339	340	339	339	339	340	339	339
18hr	Wind; Alta Wind III, LLC	272	380	355	355	355	356	355	355	355	356	355	355
18hs	Wind; Alta Wind IV, LLC	121	183	174	174	174	174	174	174	174	174	174	174
18ht	Wind; Alta Wind V, LLC	197	293	277	277	277	277	277	277	277	277	277	277
18hu	Wind; Mustang Hills, LLC	228	315	304	304	304	304	304	304	304	304	304	304
18hv	Wind; Pinyon Pines Wind I, LLC	262	347	364	364	364	365	364	364	364	365	364	364
18hw	Wind; Alta Wind VIII, LLC	208	295	284	284	284	285	284	284	284	285	284	284
18hx	Wind; Pinyon Pines Wind II, LLC	183	250	257	257	257	258	257	257	257	258	257	257
18hy	Wind; Alta Wind X, LLC	0	365	324	324	324	325	324	324	324	325	324	324
18hz	Wind; Alta Wind XI, LLC	0	276	211	211	211	212	211	211	211	212	211	211
18ia	Wind; North Hurlburt Wind, LLC	450	550	563	563	563	564	563	563	563	564	563	563
18ib	Wind; South Hurlburt Wind, LLC	485	585	593	593	593	595	593	593	593	595	593	593
18ic	Wind; Horseshoe Bend Wind, LLC	517	612	632	632	632	634	632	632	632	634	632	632
18id	Wind; Mountain View Power Partners, LLC	189	190	210	210	210	210	180	0	0	0	0	0
18ie	Wind; Goshen Phase II LLC	279	311	367	367	367	369	367	367	367	369	367	367
18if	Wind; Coram Energy LLC	0	12	10	10	10	10	10	10	10	10	10	0
18ig	Wind; San Geronio WestWinds II - Windustries	0	26	24	24	24	24	24	24	24	24	24	24
18ih	Wind; Rising Tree Wind Farm III, LLC	0	0	0	0	235	235	235	235	235	235	235	235
18ii	Wind; Rising Tree Wind Farm, LLC	0	0	0	0	188	188	188	188	188	188	188	188
18ij	Wind; Windland Refresh 1, LLC	11	19	16	16	16	16	16	16	16	10	0	0
18ik	Wind; Cameron Ridge II	0	34	32	32	32	32	32	32	32	32	32	32
18il	Wind; Windland Refresh 2, LLC	0	18	19	19	19	19	19	19	19	19	19	0
18im	Wind; Yavi Energy, LLC	0	7	5	5	5	5	5	5	5	5	5	5
18in	Wind; Broadview Energy KW, LLC	0	0	361	399	399	400	399	399	399	400	399	399
18io	Wind; El Cabo Wind LLC	0	0	309	914	914	915	914	914	914	915	914	914
18ip	Wind; Tule Wind LLC	0	0	91	310	310	311	310	310	310	311	310	310
18iq	Wind; Broadview Energy JN, LLC	0	0	464	512	512	514	512	512	512	514	512	512
18ir	Wind; Voyager Wind I, LLC	0	0	0	0	347	348	347	347	347	348	347	347
19a	Total Other Bilateral Contract Supply	10,161	4,282										
19b	Non-Renewable DG Supply												
19c	[state fuel if known; then name Other Bilateral Contract 1]												
19d	Gas; ALAMIT 7 UNIT 2	93											
19e	Gas; ALAMIT 7 UNIT 3	309											
19f	Gas; ALAMIT 7 UNIT 4	197											
19g	Gas; ALAMIT 7 UNIT 5	142											
19h	Gas; ALAMIT 7 UNIT 6	260											

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
19i	Gas; BUCKBL 2 PLIX3	1,327											
19j	Gas; ELSEGN 2 UN1011	0											
19k	Gas; ELSEGN 2 UN2021	0											
19l	Gas; GOLETA 6 ELLWOD	0											
19m	Gas; HINSON 6 LBECH1	5											
19n	Gas; HINSON 6 LBECH2	5											
19o	Gas; HINSON 6 LBECH3	5											
19p	Gas; HINSON 6 LBECH4	5											
19q	Gas; HNTGBH 7 UNIT 1	356											
19r	Gas; HNTGBH 7 UNIT 2	363											
19s	Gas; LEBECS 2 UNITS	4,767											
19t	Gas; LGHHP 6 ICEGEN	39											
19u	Gas; LMEC 1 PLIX3	0											
19v	Gas; MOSSLD 2 PSP1	0											
19w	Gas; MOSSLD 2 PSP2	0											
19x	Gas; MTWIND 1 UNIT 3	0											
19y	Gas; ORMOND 7 UNIT 1	0											
19z	Gas; ORMOND 7 UNIT 2	0											
19aa	Gas; REDOND 7 UNIT 5	55											
19ab	Gas; REDOND 7 UNIT 6	64											
19ac	Gas; REDOND 7 UNIT 7	198											
19ad	Gas; REDOND 7 UNIT 8	169											
19ae	Gas; SENTNL 2 CTG1	78											
19af	Gas; SENTNL 2 CTG2	81											
19ag	Gas; SENTNL 2 CTG3	83											
19ah	Gas; SENTNL 2 CTG4	75											
19ai	Gas; SENTNL 2 CTG5	82											
19aj	Gas; SENTNL 2 CTG6	86											
19ak	Gas; SENTNL 2 CTG7	81											
19al	Gas; SENTNL 2 CTG8	89											
19am	Gas; SYCAMR 2 UNIT 1	666											
19an	Gas; SYCAMR 2 UNIT 2	8											
19ao	Gas; SYCAMR 2 UNIT 4	10											
19ap	Gas; VESTAL 2 WELLHD	18											
19aq	Gas; WALCRK 2 CTG1	96											
19ar	Gas; WALCRK 2 CTG2	83											
19as	Gas; WALCRK 2 CTG3	91											
19at	Gas; WALCRK 2 CTG4	85											
19av	Gas; WALCRK 2 CTG5	89											
19aw	Gas; LAPLMA 2 UNIT 3	0											
19ax	Gas; NRG Energy Center Oxnard, LLC	0											
19ay	Gas; Stanton Energy Reliability Center, LLC	0											
19az	Gas; Stanton Energy Reliability Center, LLC	0											
19ba	Gas; AES Alamos Energy, LLC	0											
19bb	ES; AES ES Alamos, LLC	0											
19bc	Gas; AES Huntington Beach Energy, LLC	0											
19bd	Gas; NRG California South LP- Ellwood	0											
19be	Gas; NRG California South LP- Ellwood	0											

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
19bf	ES; Alta Gas - Pomona battery storage 1 - 3	0											
19bg	ES; Powin Energy - Milligan ESS 1 - 1	0											
19bh	RPS; DIABLO_7_UNIT 1	0											
19bi	RPS; JAWBNE_2_NSRWND	0											
19bj													
19bk	Inter-Utility Contracts												
19bl													
19bn	Planned Resources: list each on lines inserted below this line.												
19bn	Short Term and Spot Market Purchases (and Sales)												
19bo													
	ENERGY BALANCE SUMMARY												
21	Total: Existing and Planned Resources	42,244	43,907				51,679	51,707	49,446	46,001	44,641	45,831	45,305
22	Firm LSE Procurement Requirement	0	0				94,018	92,172	91,333	91,218	91,586	91,904	92,551
23	Net Surplus (or Need)						(42,339)	(40,465)	(41,887)	(45,218)	(46,945)	(46,073)	(47,247)
24	Generic Renewable Supply			0	0	0	0	0	0	0	0	0	0
25	Generic Non-Renewable Supply												

line **Notes**

* SCE system at generation plus MWD through September 17, 2017 only.

***All dispatchable programs reported on form 3.4 are accounted for in line 1 (system peak) or on supply side.