DOCKETED							
Docket Number:	17-IEPR-02						
<b>Project Title:</b>	Electricity Resource Plans						
TN #:	213989						
<b>Document Title:</b>	DRAFT 2017 IEPR Supply Froms						
Description:	State of California California Energy Commission ELECTRICITY RESOURCE PLANNING FORMS						
Filer:	Raquel Kravitz						
Organization:	California Energy Commission						
Submitter Role:	Commission Staff						
Submission Date:	10/13/2016 11:31:21 AM						
Docketed Date:	10/13/2016						

# State of California California Energy Commission ELECTRICITY RESOURCE PLANNING FORMS

Administrative Information (issued 12/2016)

Name of Load Serving Entity ("LSE") Name of Resource Planning Coordinator LSE Name on Admin Tab



Persons who prepared Supply Forms	S-1 CRATS	S-2 Energy Balance	S-3 Small POU Hourly Loads
Name:			
Title:			
E-mail:			
Telephone:			
Address:			
Address 2:			
City:			
State:	CA	CA	
Zip:			
Date Completed:			
Date Updated by LSE:			

### Back-up / Additional Contact Persons for Ouestions about these Forms (Ontional):

Questions usour meser i orms (optional).		
Name:		
Title:		
E-mail:		
Telephone:		
Address:		
Address 2:		
City:		
State:		
Zip:		

S-5 Bilateral Contracts	Application for Confidentiality	

State of California California Energy Commission

## ELECTRICITY RESOURCE PLANNING FORMS

CEC Form S-1: Capacity Resource Accounting Table (issued 12/2016

LSE Name on Admin Tab



2018 MW numbers are illustrative.

Yellow fill relates to 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	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
	PEAK LOAD CALCULATIONS	(↓ Prior For	ecasts ↓)	(Forecast Su	upply ⇔ )								
1	Forecast Total Peak-Hour 1-in-2 Demand				7,500								
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 (-)				(100)								
5	Adjusted Demand: End-Use Customers	0	0	0	7,400	0	0	0	0	0	0	0	0
6	Coincidence Adjustment (-)				(50)								
7	Coincident Peak-Hour Demand	0	0	0	7,350	0	0	0	0	0	0	0	0
8	Required Planning Reserve Margin	0	0	0	1,103	0	0	0	0	0	0	0	0
9	Credit for Imports That Carry Reserves (-)				(7)								
10	Firm Sales Obligations												
11	Firm LSE Procurement Requirement	0	0	0	8,446	0	0	0	0	0	0	0	0
	CAPACITY SUPPLY RESOURCES												
12a	Total Fossil Fuel Supply	0	0	0	2,200	0	0	0	0	0	0	0	0
12b	[state fuel; then list each resource, e.g., Fossil Unit 1]				1,000								
120	[state fuel; then list each resource, e.g. Natural Gas; Fossil												
120	Unit 2]				750								
124	[state fuel; then list each resource, e.g. Natural Gas; Fossil												
120	Unit N; list planned resources last]				450								
13a	Total Nuclear Supply	0	0	0	1,000	0	0	0	0	0	0	0	0
13b	[Nuclear Unit 1]				500								
13c	[Nuclear Unit 2]				500								
14a	Total Hydroelectric Supply	0	0	0	1,000	0	0	0	0	0	0	0	0
14b	Total: Hydro Supply from Plants larger than 30 MW				900								
14c	Total: Hydro Supply from Plants 30 MW or less				100								
15a	Total Utility-Controlled Renewable Supply	0	0	0	400	0	0	0	0	0	0	0	0
15b	[state fuel; then list each resource, e.g., Renewable Plant 1]				250								
150	[state fuel; then list each resource, e.g. Geothermal:												
150	Renewable Project 2]				130								
154	[state fuel; then list each resource, Wind: Renewable Project												
150	N; list planned resources last]				20								
17a	Total Qualifying Facility (QF) Contract Supply	0	0	0	800	0	0	0	0	0	0	0	0
17b	Biofuels				100								
17c	Geothermal				300								
17d	Small Hydro				50								
17e	Solar				50								
17f	Wind				50								

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
17g	Natural Gas				200								
17h	Other				50								
line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18a	Total Renewable Contract Supply	0	0	0	750	0	0	0	0	0	0	0	0
18b	Renewable DG Supply				50								
18c	[state fuel; then Renewable Contract 1 (Supplier Name)]				350								
18d	[Small Hydro; then Renewable Contract 2 (Supplier Name)]				200								
190	[Solar; then Renewable Contract N, list planned resources												
100	last]				150								
19a	Total Other Bilateral Contract Supply	0	0	0	1,325	0	0	0	0	0	0	0	0
19b	Non-Renewable DG Supply				50								
10a	[state fuel if known; then name Other Bilateral Contract 1												
190	(Supplier Name)]				450								
104	[state fuel; then list each resource, e.g. Natural Gas: Other												
190	Bilateral Contract 2 (Supplier Name)]				350								
19e	[Portfolio: Other Bilateral Contract 3 (Supplier Name)]				250								
19f	[System: Other Bilateral Contract N (Supplier Name)]				75								
19n	Planned Resources: list each on lines inserted below this line												
1711	I failled Resources. list each on lines histred below this line.				100								
20	Short-Term and Spot Market Purchases (and Sales)				50								
				-				-	-	r		-	
	CAPACITY BALANCE SUMMARY												
21	Total: Existing and Planned Supply	0	0	0	7,525	0	0	0	0	0	0	0	0
22	Firm LSE Procurement Requirement	0	0	0	8,446	0	0	0	0	0	0	0	0
23	Net Surplus (or Need)	0	0	0	(921)	0	0	0	0	0	0	0	0
24	Generic Renewable Supply				25								
25	Generic Non-Renewable Resources				60								
26	Specified Planning Reserve Margin				15%								

MW MW

line	Historic LSE Peak Load:	Year 2015	Year 2016
27	Annual Peak Load / Actual Metered Deliveries		
28	Date of Peak Load for Annual Peak Deliveries	/15	/16
29	Hour Ending (HE) for Annual Peak Deliveries		
30	Interruptible Load called on during that hour (+)		
31	Self-Generation and DG Adjustments		
32	Adjustments for Major Outages		
33	Adjusted Annual Peak Load	0.0	0.0

#### Lines Notes

Lines	THORES
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State of California

California Energy Commission

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

LSE Name on Admin Tab



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 S	upply ↓)	(Forecast S	upply ⇔ )								
1	Forecast Total Energy Demand / Consumption				40,000								
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 (-)				(200)								
5	Adjusted Demand: End-Use Customers	0	0	0	39,800	0	0	0	0	0	0	0	0
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	0	39,800	0	0	0	0	0	0	0	0
		•											
	ENERGY SUPPLY RESOURCES												
12a	Total Fossil Fuel Supply	0	0	0	15,000	0	0	0	0	0	0	0	0
12b	[state fuel; then list each resource, e.g., Fossil Unit 1]				8,000								
120	[state fuel; then list each resource, e.g. Natural Gas; Fossil				4 000								
120	Unit 2]				4,000								
124	[state fuel; then list each resource, e.g. Natural Gas; Fossil				2 000								
120	Unit N; list planned resources last]				3,000								
13a	Total Nuclear Supply	0	0	0	7,000	0	0	0	0	0	0	0	0
13b	[Nuclear Unit 1]				3,500								
13c	[Nuclear Unit 2]				3,500								
14a	Total Hydroelectric Supply	0	0	0	1,500	0	0	0	0	0	0	0	0
14b	Total: Hydro Supply from Plants larger than 30 MW				1,400								
14c	Total: Hydro Supply from Plants 30 MW or less				100								
15a	Total Utility-Controlled Renewable Supply	0	0	0	1,000	0	0	0	0	0	0	0	0
15b	[state fuel; then list each resource, e.g., Renewable Plant 1]				400								
150	[state fuel; then list each resource, e.g. Geothermal:				350								
150	Renewable Project 2]				550								
154	[state fuel; then list each resource, Wind: Renewable Project				250								
150	N; list planned resources last]				250								
17a	Total Qualifying Facility (QF) Contract Supply	0	0	0	4,000	0	0	0	0	0	0	0	0
17b	Biofuels				300								
17c	Geothermal				1,200								
17d	Small Hydro				400								
17e	Solar				450								
-													

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
17f	Wind				400								
17g	Natural Gas				1,200								
17h	Other				50								
line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18a	Total Renewable Contract Supply	0	0	0	5,750	0	0	0	0	0	0	0	0
18b	Renewable DG Supply				300								
18c	[state fuel; then Renewable Contract 1 (Supplier Name)]				3,500								
18d	[Small Hydro; then Renewable Contract 2 (Supplier Name)]				1,800								
18e	[Solar; then Renewable Contract N, list planned resources last]				150								
19a	Total Other Bilateral Contract Supply	0	0	0	2,665	0	0	0	0	0	0	0	0
19b	Non-Renewable DG Supply				140								
19c	[state fuel if known; then name Other Bilateral Contract 1]				1,100								
19d	[state fuel; then list each resource, e.g. Natural Gas: Other				850								
174	Bilateral Contract 2 (Supplier Name)]				050								
19e	[Portfolio: Other Bilateral Contract 3 (Supplier Name)]				450								
19f	[System: Other Bilateral Contract N (Supplier Name)]				125								
19n	Planned Resources: list each on lines inserted below this line.				100								
20	Short Term and Spot Market Purchases (and Sales)				2,300								
	ENERGY BALANCE SUMMARY												
21	Total: Existing and Planned Resources	0	0	0	39,215	0	0	0	0	0	0	0	0
22	Firm LSE Procurement Requirement	0	0	0	39,800	0	0	0	0	0	0	0	0
23	Net Surplus (or Need)				(585)	0	0	0	0	0	0	0	0
24	Generic Renewable Supply				0								
25	Generic Non-Renewable Supply				135								

line Notes

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### State of California California Energy Commission ELECTRICITY RESOURCE PLANNING FORMS CEC Form S-3: 2016 SMALL POU HOURLY LOADS (issued 12/2016)



LSE Name on Admin Tab

For Publicly Owned LSEs with Annual Peak Loads under 200 MW not submitting demand forms Scheduling coordinators reporting load for multiple LSEs should report load for each entity separately.

Report actual hourly demand in calendar year 2016, in megawatts, for each hour of each day.

Add rows to report all 8,784 hours in 2016 (including February 29).

Begin with the hour that ended at 1 a.m. on January 1, 2016.

Show the load measured at the balancing authority load take-out point (or points).

Add columns for any additional metered take-out points.

The time basis should be Pacific Standard Time (PST) throughout the entire year.

Scheduling Coordinators should report demand for each utility within a SCID separately.

Note: This form is a truncated version for printing and review purposes.

Date (PST)	Hour Ending (PST)	Recorded Demand at Take Out (MW)
1/1/2016	1	100
1/1/2016	2	
1/1/2016	3	
1/1/2016	4	
1/1/2016	5	
1/1/2016	6	
1/1/2016	7	
1/1/2016	8	
1/1/2016	9	
1/1/2016	10	
1/1/2016	11	
1/1/2016	12	
1/1/2016	13	
1/1/2016	14	
1/1/2016	15	
1/1/2016	16	
1/1/2016	17	
1/1/2016	18	
1/1/2016	19	
1/1/2016	20	
1/1/2016	21	
1/1/2016	22	
1/1/2016	23	
1/1/2016	24	

Total MWh	100
Maximum	100
Average	100
Minimum	100

State of California California Energy Commission ELECTRICITY RESOURCE PLANNING FORMS CEC Form S-5: Bilateral Contracts Table (issued 12/2016) Do not delete any rows or columns or change headers. LSE Name on Admin Tab Where cell specifies more than one datum, separate data with a semicolon.

	LSE Name on Admin Tab									
	Where cell specifies more than one datum, separate data with	n <mark>a semicolon.</mark>		Yellow pattern cells are used to apply for confidentiality.						
S-1 and S-2 line	Contract Name:	Supplier / Seller:	Unit Contingent / LD Contract:	Generating Unit(s) Specified	Plant/Unit Identifier- CAISO Resource ID	Plant/Unit Identifier- CEC ID	Plant/Unit Identifier- EIA Plant ID			
18c	[state fuel; then Renewable Contract 1 (Supplier Name)]									
18d	[Small Hydro; then Renewable Contract 2 (Supplier Name)]									
18e	[Solar, then Renewable Contract N, list planned resources last	1								
19c	[state fuel if known; then name Other Bilateral Contract 1 (Su	pplier Name)]								
19d	[state fue]; then list each resource, e.g. Natural Gas: Other Bilateral Contract 2 (Supplier Name)]									
19e	[Portfolio: Other Bilateral Contract 3 (Supplier Name)]									
19f	[System: Other Bilateral Contract N (Supplier Name)]									
		1								



Generating Unit(s) Status (Operational, Under Construction, Planned)	City or Locality of Specified Unit(s)	Supply Resources(s) Balancing Area	CEC ID	Supply Resource(s) Delivery Zone/Point	Contract Start Date	Contract Expiration Date	Capacity (MW) Under Contract:	Contract / Agreement Products	Availability of Products	Must Take	e Firm:	Termination & Extension Rights: