

DOCKETED

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Project Title:	Electricity Resource/ Supply Plans
TN #:	223705
Document Title:	Refile Anaheim Supply Forms - Public Version
Description:	Refile with one modification: The IPP contract end date is changed from 12/31/24 to 6/15/27. All other data remained the same as submitted in 2017.
Filer:	Mei Pan
Organization:	City of Anaheim
Submitter Role:	Public Agency
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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")	LSE Name on Admin Tab
Name of Resource Planning Coordinator	

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
Name:	Tiana Marmitt	Tiana Marmitt		Abby Semblantes	Mei Pan
Title:	Integrated Resources Planner	Integrated Resources Planner		Integrated Resources Planner	Integrated Resources Planner II
E-mail:	TBaldwin@anaheim.net	TBaldwin@anaheim.net	Does not apply to Anaheim	asemblantes@anaheim.net	mpan@anaheim.net
Telephone:	714-765-4457	714-765-4457		714-765-4941	714-765-4132
Address:	201 S. Anaheim Blvd.	201 S. Anaheim Blvd.		201 S. Anaheim Blvd.	201 S. Anaheim Blvd.
Address 2:	Suite #802	Suite #802		Suite #802	Suite #802
City:	Anaheim	Anaheim		Anaheim	Anaheim
State:	CA	CA		CA	CA
Zip:	92805	92805		92805	92805
Date Completed:	4/20/2017	4/20/2017		4/20/2017	4/20/2017
Date Updated by LSE:	4/20/2017	4/20/2017	4/20/2017	4/20/2017	

Back-up / Additional Contact Persons for Questions about these Forms (Optional):

Name:	Mei Pan	Mei Pan		Mei Pan	Mei Pan
Title:	Integrated Resources Planner II	Integrated Resources Planner II		Integrated Resources Planner II	Integrated Resources Planner II
E-mail:	mpan@anaheim.net	mpan@anaheim.net	Does not apply to Anaheim	mpan@anaheim.net	mpan@anaheim.net
Telephone:	714-765-4132	714-765-4132		714-765-4132	714-765-4133
Address:	201 S. Anaheim Blvd.	201 S. Anaheim Blvd.		201 S. Anaheim Blvd.	201 S. Anaheim Blvd.
Address 2:	Suite #802	Suite #802		Suite #802	Suite #802
City:	Anaheim	Anaheim		Anaheim	Anaheim
State:	CA	CA		CA	CA
Zip:	92805	92805		92805	92805

line	Capacity Resource Accounting Table (MW)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
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	58	78	78	78	78	78	78	78	78	78	78	68
18b	Renewable DG Supply	0	0	0	0	0	0	0	0	0	0	0	0
18c													
18d													
18e	Biomethane; Brea Power Partners, L.P. and Brea Power II, LLC	27	27	27	27	27	27	27	27	27	27	27	27
18f	Biomethane, Bowerman Power LFG, LLC	0	20	20	20	20	20	20	20	20	20	20	20
18g													
18h													
18i	Solar; Westside Assets, LLC	0	0	0	0	0	0	0	0	0	0	0	0
18j	Biomethane; Anaheim Energy, LLC	0	0	0	0	0	0	0	0	0	0	0	0
19a	Total Other Bilateral Contract Supply	0	0	0	0	0	0	0	0	0	0	0	0
19b	Non-Renewable DG Supply												
19c	[state fuel if known; then name Other Bilateral Contract 1 (Supplier Name)]												
19d	[state fuel; 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)]												
19n	Planned Resources: list each on lines inserted below this line.												
20	Short-Term and Spot Market Purchases (and Sales)												

CAPACITY BALANCE SUMMARY													
21	Total: Existing and Planned Supply	741	761	761	711	711	711	711	711	711	701	658	648
22	Firm LSE Procurement Requirement	672	645	648	630	628	626	624	621	619	617	614	616
23	Net Surplus (or Need)	69	116	113	80	82	84	87	89	92	84	44	32
24	Generic Renewable Supply	0	0	0	0	0	0	0	0	0	0	0	0
25	Generic Non-Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0
26	Specified Planning Reserve Margin	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%

		MW	MW
line	Historic LSE Peak Load:	Year 2015	Year 2016
27	Annual Peak Load / Actual Metered Deliveries	584.0	535.0
28	Date of Peak Load for Annual Peak Deliveries	9/9/15	9/26/16
29	Hour Ending (HE) for Annual Peak Deliveries	15	15
30	Interruptible Load called on during that hour (+)	0.0	0.0
31	Self-Generation and DG Adjustments	0.0	0.0
32	Adjustments for Major Outages	0.0	0.0
33	Adjusted Annual Peak Load	584.0	535.0

Lines	Notes
x	Grey area: Anaheim does not have projects in this category
18j	Due to ongoing negotiations between APU and Anaheim Energy, LLC, APU does not have a current estimate of capacity.
23	APU does not sell its excess capacity at this time.
12-18	Only actual dependable capacity is listed, which may be smaller than the capacity in the contract (S-5 Table).

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 Supply ↓)		(Forecast Supply ⇨)									
1	Forecast Total Energy Demand / Consumption	2,545	2,477	2,539	2,463	2,442	2,431	2,420	2,409	2,399	2,388	2,377	2,383
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 (-)	(32)	(29)	(29)	(29)	(17)	(17)	(16)	(16)	(16)	(16)	(16)	(16)
4	Demand Response / Interruptible Programs (-)	0	0	0	0	0	0	0	0	0	0	0	0
5	Adjusted Demand: End-Use Customers	2,513	2,447	2,509	2,434	2,425	2,415	2,404	2,394	2,383	2,372	2,362	2,367
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												
11	Firm LSE Procurement Requirement	2,513	2,447	2,509	2,434	2,425	2,415	2,404	2,394	2,383	2,372	2,362	2,367

line	ENERGY SUPPLY RESOURCES	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
12a	Total Fossil Fuel Supply	2,379	2,227	2,212	1,958	2,017	1,926	1,869	1,960	1,920	1,921	1,835	1,890
12b	IPP1 [coal: Intermountain Power Plant Unit 1]	622	535	596	532	602	520	574	541	559	523	569	528
12c	IPP2 [coal: Intermountain Power Plant Unit 2]	622	535	540	557	548	548	525	567	514	553	521	557
12d	SJ4 [coal: San Juan Unit 4]	258	320	298	0	0	0	0	0	0	0	0	0
12e	CPP [natural gas: Canyon Power Project]	96	124	102	111	111	103	94	102	100	96	101	95
12f	MPP [natural gas: Magnolia]	726	674	632	711	711	712	637	711	711	715	638	710
12g	CTG [natural gas: Anaheim CTG]	56	39	45	48	45	41	39	38	36	34	7	0
13a	Total Nuclear Supply	0	0	0	0	0	0	0	0	0	0	0	0
13b	[Nuclear Unit 1]	0	0	0	0	0	0	0	0	0	0	0	0
13c	[Nuclear Unit 2]	0	0	0	0	0	0	0	0	0	0	0	0
14a	Total Hydroelectric Supply	55	54	52	52	52	52	52	52	52	38	38	38
14b	Total: Hydro Supply from Plants larger than 30 MW (Hoover)	42	40	38	38	38	38	38	38	38	38	38	38
14c	Total: Hydro Supply from Plants 30 MW or less (MWD Hydro; Perris, Rio Hondo, Coyote Creek, Valley View)	13	14	14	14	14	14	14	14	14	0	0	0
15a	Total Utility-Controlled Renewable Supply	0	0	0	0	0	0	0	0	0	0	0	0
17a	Total Qualifying Facility (QF) Contract Supply	0	0	0	0	0	0	0	0	0	0	0	0
17b	Biofuels												
17c	Geothermal												
17d	Small Hydro												
17e	Solar												
17f	Wind												
17g	Natural Gas												
17h	Other												
line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026

line	Energy Balance Table (GWh)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
18a	Total Renewable Contract Supply	720	868	678	678	678	680	678	678	638	600	565	527
18b	Renewable DG Supply												
18c													
18d													
18e	Biomethane; Brea Power Partners, L.P. and Brea Power II, LLC	210	217	217	217	217	217	217	217	217	217	217	217
18f	Biomethane, Bowerman Power LFG, LLC	0	116	160	160	160	160	160	160	160	160	160	160
18g													
18h													
18i	Solar; Westside Assets, LLC	0	0	4	4	4	4	4	4	4	4	4	4
18j	Biomethane; Anaheim Energy, LLC	0	0	0	0	0	0	0	0	0	0	0	0
18k	Wind; San Gorgonio	81	89	80	80	80	80	80	80	40	0	0	0
18l	Noble	152	153	0	0	0	0	0	0	0	0	0	0
18m	Idaho Power	83	0	0	0	0	0	0	0	0	0	0	0
18n	PacifiCorp	0	88	0	0	0	0	0	0	0	0	0	0
19a	Total Other Bilateral Contract Supply	0	0	0	0	0	0	0	0	0	0	0	0
19b	Non-Renewable DG Supply												
19c	[state fuel if known; then name Other Bilateral Contract 1]												
19d	[state fuel; 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)]												
19n	Planned Resources: list each on lines inserted below this line.												
20	Short Term and Spot Market Purchases (and Sales)	(640)	(702)	(434)	(174)	(242)	(162)	(114)	(216)	(187)	(186)	(77)	(88)

ENERGY BALANCE SUMMARY													
21	Total: Existing and Planned Resources	2,513	2,447	2,509	2,515	2,505	2,495	2,484	2,474	2,423	2,372	2,362	2,367
22	Firm LSE Procurement Requirement	2,513	2,447	2,509	2,434	2,425	2,415	2,404	2,394	2,383	2,372	2,362	2,367
23	Net Surplus (or Need)	0	0	0	81	80	80	80	80	40	0	(0)	0
24	Generic Renewable Supply			140	169	171	241	183	236	250	341	371	430
25	Generic Non-Renewable Supply			0	0	0	0	0	0	0	0	0	0

line	Notes
x	Grey area: Anaheim does not have projects in this category
1	This is total load as recorded at Lewis Substation and includes distribution losses. It is not retail sales.
12c	Both IPP units (1 and 2) are included in IPP 1 for years 2015 and 2016
18j	Due to ongoing negotiations between APU and Anaheim Energy, LLC, APU does not have a current estimate of energy to be delivered.
24	APU has identified the need to procure the listed additional renewable resources to meet compliance standards. Project and location are currently unknown. Such renewable procurement may not have capacity attributes.

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	
DOES NOT APPLY TO ANAHEIM		
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

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	Generating Unit(s) Status (Operational, Under Construction, Planned)	City or Locality of Specified Unit(s)	Fuel Type	Supply Resource(s) Balancing Area	Supply Resource(s) Delivery Zone/Point	Contract Start Date (COD)	Contract Expiration Date	Capacity (MW) Under Contract:	Contract / Agreement Products	Availability of Products	Must Take	Firm:	Firming or Shaping for Variable Energy Resources	Termination & Extension Rights:	Notes (1):	Notes (2):
18i	Solar; Westside Assets, LLC	CIM Group, LLC (formerly known as Westlands MM Investor, LLC, Westside Holdings, LLC, Westside Assets, LLC)	Unit Contingent	There are 8,080 - SolarWorld monocrystalline photovoltaic solar modules supported by a NEXTracker Single-axis tracking system.	HENRTA_6_SOLAR2	S0544	60275	Operational	Lemoore, CA	Solar	CAISO	Henrietta Substation	4/1/2015	5/1/2040	0	Renewable Energy net of Station Use	Intermittent (weather dependent)	Yes	No	No	No extensions.		
18j	Biomethane; Anaheim Energy, LLC	Anaheim Energy, LLC	Unit Contingent	There are 4-1.5 MW generators.	None	None	None	Planned	Anaheim, CA	Biomethane	CAISO	230 kV bus at Lewis Substation	6/30/2019 (estimated)	6/30/2039 (extension 5 years 6/30/2044)	4	Capacity, Resource Adequacy and Renewable Energy net of Station Use	7x24	Yes	Yes	No	One 5-year extension is available.	Original Term commences on the COD and ends on the last day of the calendar month 20 years from the COD.	
18k	Wind; San Gorgonio	San Gorgonio Farms, Inc	Unit Contingent	Wind turbines	SANWD_1_QF	CEC-RPS-ID-60371A	50281	Operational	Whitewater, CA	Wind	CAISO	Sanwind Substation	10/23/2013	12/31/2023	0	Renewable Energy	Intermittent	Yes	No	No	1st Extension Ends 12/31/2033; 2nd Extension Ends 12/31/2043.		