

# SYSTEM BRIEF

## DAILY SUMMARY

DAY	DATE	<u>MaxTemp</u>	<u>NEL (MWH)</u>	MAXIMUM	<u>Hr Ending</u>	MINIMUM	<u>Hr Ending</u>	* ANNUAL LOAD FACTOR	(PEAK HOURS 7:00 AM TO 10:00 PM MON-SAT)			
		Civic	TOTAL		@Max		@Min		<u>ENERGY (MWH)</u>		<u>INCREMENTAL COST</u>	
									ON PEAK	OFF PEAK	ON PEAK	OFF PEAK
Wed	5/1/2019	70	60,044	2,966	9:00 PM	1,959	4:00 AM	40.4%	42,716	17,328	21.2	29.8
Thu	5/2/2019	69	61,327	2,996	9:00 PM	2,006	5:00 AM	41.2%	43,707	17,620	18.3	24.7
Fri	5/3/2019	73	60,942	2,959	9:00 PM	1,960	4:00 AM	41.0%	43,567	17,375	14.0	23.7
Sat	5/4/2019	73	55,351	2,723	9:00 PM	1,935	5:00 AM	37.2%	38,429	16,922	20.0	27.9
Sun	5/5/2019	71	52,270	2,698	9:00 PM	1,879	5:00 AM	35.2%	-	52,270	-	22.6
Mon	5/6/2019	69	58,908	2,867	9:00 PM	1,910	4:00 AM	39.6%	42,247	16,661	16.9	29.7
Tue	5/7/2019	67	59,472	2,887	9:00 PM	1,940	4:00 AM	40.0%	42,466	17,006	26.4	30.9
Wed	5/8/2019	65	58,720	2,815	9:00 PM	1,874	4:00 AM	39.5%	42,294	16,426	32.4	32.1
Thu	5/9/2019	66	59,176	2,897	11:00 AM	1,892	4:00 AM	39.8%	42,460	16,716	30.5	30.6
Fri	5/10/2019	69	58,344	2,752	9:00 PM	1,900	4:00 AM	39.2%	41,621	16,723	34.3	31.5
Sat	5/11/2019	75	53,753	2,721	9:00 PM	1,882	4:00 AM	36.2%	37,111	16,642	18.1	30.1
Sun	5/12/2019	74	53,141	2,763	9:00 PM	1,856	8:00 AM	35.7%	-	53,141	-	19.4
Mon	5/13/2019	71	62,991	3,013	9:00 PM	2,026	4:00 AM	42.4%	45,095	17,896	12.9	25.6
Tue	5/14/2019	72	64,456	3,094	6:00 PM	2,090	4:00 AM	43.4%	46,047	18,408	13.4	21.5
Wed	5/15/2019	68	63,005	2,929	11:00 AM	2,108	4:00 AM	42.4%	44,543	18,462	18.7	31.0
Thu	5/16/2019	67	61,724	2,845	9:00 PM	2,116	4:00 AM	41.5%	43,450	18,274	14.6	21.8
Fri	5/17/2019	72	61,041	2,876	9:00 PM	2,126	4:00 AM	41.1%	42,437	18,604	10.8	21.3
Sat	5/18/2019	72	55,698	2,712	9:00 PM	1,976	7:00 AM	37.5%	37,841	17,858	13.6	19.8
Sun	5/19/2019	65	53,220	2,740	9:00 PM	1,980	4:00 AM	35.8%	-	53,220	-	20.0
Mon	5/20/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Tue	5/21/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Wed	5/22/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Thu	5/23/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Fri	5/24/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Sat	5/25/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Sun	5/26/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Mon	5/27/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Tue	5/28/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Wed	5/29/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Thu	5/30/2019	-	-	-	-	-	-	0.0%	-	-	-	-
Fri	5/31/2019	-	-	-	-	-	-	0.0%	-	-	-	-

## MONTHLY SUMMARY (TO DATE)

DATE	<u>NEL(MWH)</u>	<u>NEL (MWH)</u>				<u>ENERGY (GWH)</u>		<u>INCREMENTAL COST</u>	
	TOTAL	MAXIMUM	HE@Max	MINIMUM	HE@Min	ON PEAK	OFF PEAK	ON PEAK	OFF PEAK
May-19	1,113,582	3,094	6:00 PM	1,856	8:00 AM	676	438	19.75	24.72
	<u>Max for Last 12 mths</u>	<u>Max Occurred On</u>		<u>Min Occurred On</u>		<u>SYSTEM PRODUCTION COSTS</u>			
	6,195	Tue 5/14/2019		Sun 5/12/2019		<u>HIGH PEAK</u>	<u>LOW PEAK</u>	<u>BASE</u>	
	NEL(MWH)	64,456	NEL(MWH)	53,141	NEL(MWH)	16.10	19.59	23.42	

HE= Hour Ending \* Annual Load Factor Formula Used: (Daily kWh)/(max (MW for last 12 months)\*24 hrs)

## DAILY ENERGY PRODUCTION

NET ENERGY FOR LOAD

MONTHLY (MWh)

Month	Actual FYE2018	Actual FYE2019	Change vs. Last Year	2018 Forecast FYE2019*	Above or Below the Forecast
Jul	2,724,013	2,835,604	4.1%	2,487,211	14.0%
Aug	2,681,317	2,784,751	3.9%	2,540,446	9.6%
Sep	2,417,069	2,256,139	-6.7%	2,445,683	-7.8%
Oct	2,272,181	2,043,900	-10.0%	2,213,355	-7.7%
Nov	1,922,392	1,881,857	-2.1%	1,922,342	-2.1%
Dec	2,025,561	1,945,610	-3.9%	1,993,423	-2.4%
Jan	2,029,289	2,009,706	-1.0%	1,966,501	2.2%
Feb	1,835,936	1,847,916	0.7%	1,784,379	3.6%
Mar	1,968,231	1,869,280	-5.0%	2,008,224	-6.9%
Apr	1,878,360	1,784,532	-5.0%	1,936,518	-7.8%
May	1,980,418			2,038,557	
Jun	2,100,646			2,204,277	
FYTM	21,754,349	21,259,295	-2.3%	21,298,082	-0.2%
Total	25,835,413			25,540,916	

DAILY (MWh)

Week of: May 13, 2019

Day	Date	Actual	Forecast	Above the Forecast	% Diff.	Avg of Previous 4 Weeks
Mon	13-May-19	62,991	66,380	-3,389	-5.1%	59,604
Tue	14-May-19	64,456	69,108	-4,653	-6.7%	60,894
Wed	15-May-19	63,005	69,108	-6,104	-8.8%	61,264
Thu	16-May-19	61,724	69,108	-7,384	-10.7%	62,484
Fri	17-May-19	61,041	69,824	-8,783	-12.6%	61,254
Sat	18-May-19	55,698	58,087	-2,388	-4.1%	54,898
Sun	19-May-19	53,220	58,087	-4,867	-8.4%	51,965
Weekly Total		422,134	459,702	-37,568	-8.2%	-9.2%

HOURLY (MW)

Day	Hi Temp	Norm Hi Temp*	Max	Hour	Min	Hour
Mon	71°	74°	3,013	9:00 PM	2,026	4:00 AM
Tue	72°	74°	3,094	6:00 PM	2,090	4:00 AM
Wed	68°	74°	2,929	11:00 AM	2,108	4:00 AM
Thu	67°	75°	2,845	9:00 PM	2,116	4:00 AM
Fri	72°	75°	2,876	9:00 PM	2,126	4:00 AM
Sat	72°	75°	2,712	9:00 PM	1,976	7:00 AM
Sun	65°	75°	2,740	9:00 PM	1,980	4:00 AM

High temperature as measured at the L.A. Civic Center.

\* Data obtained from the Weather Bureau

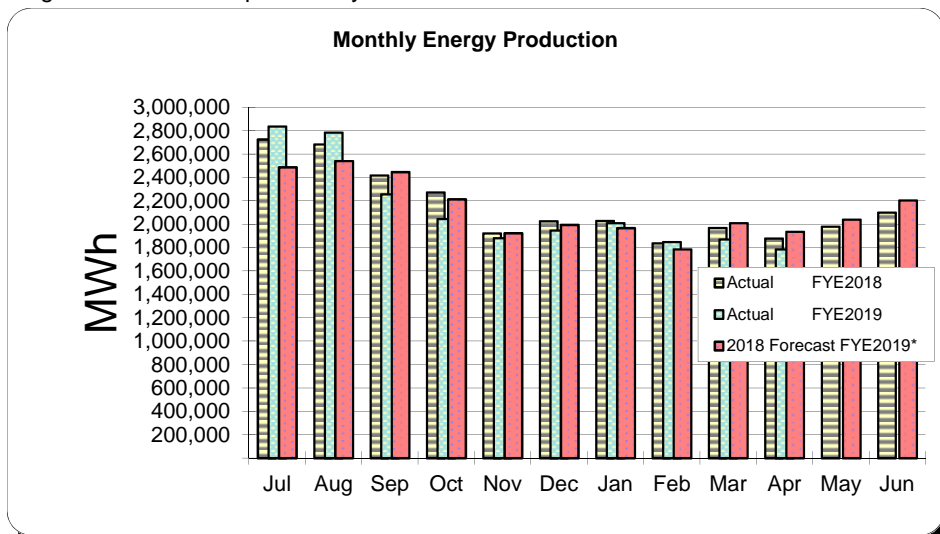
PEAK DEMAND NEL (MW)

	MW	Date	Day	Hour	MWH	Max Temp
2018	6,195	7/6/2018	Fri	5:00 PM	107,662	108
Forecast	5,881	8/23/2018	Thu	4:00 PM	N/A	N/A

	MW	Date	Day	Hour	MWH	Max Temp
All-time	6,432	8/31/2017	Thu	5:00 PM	117,060	102

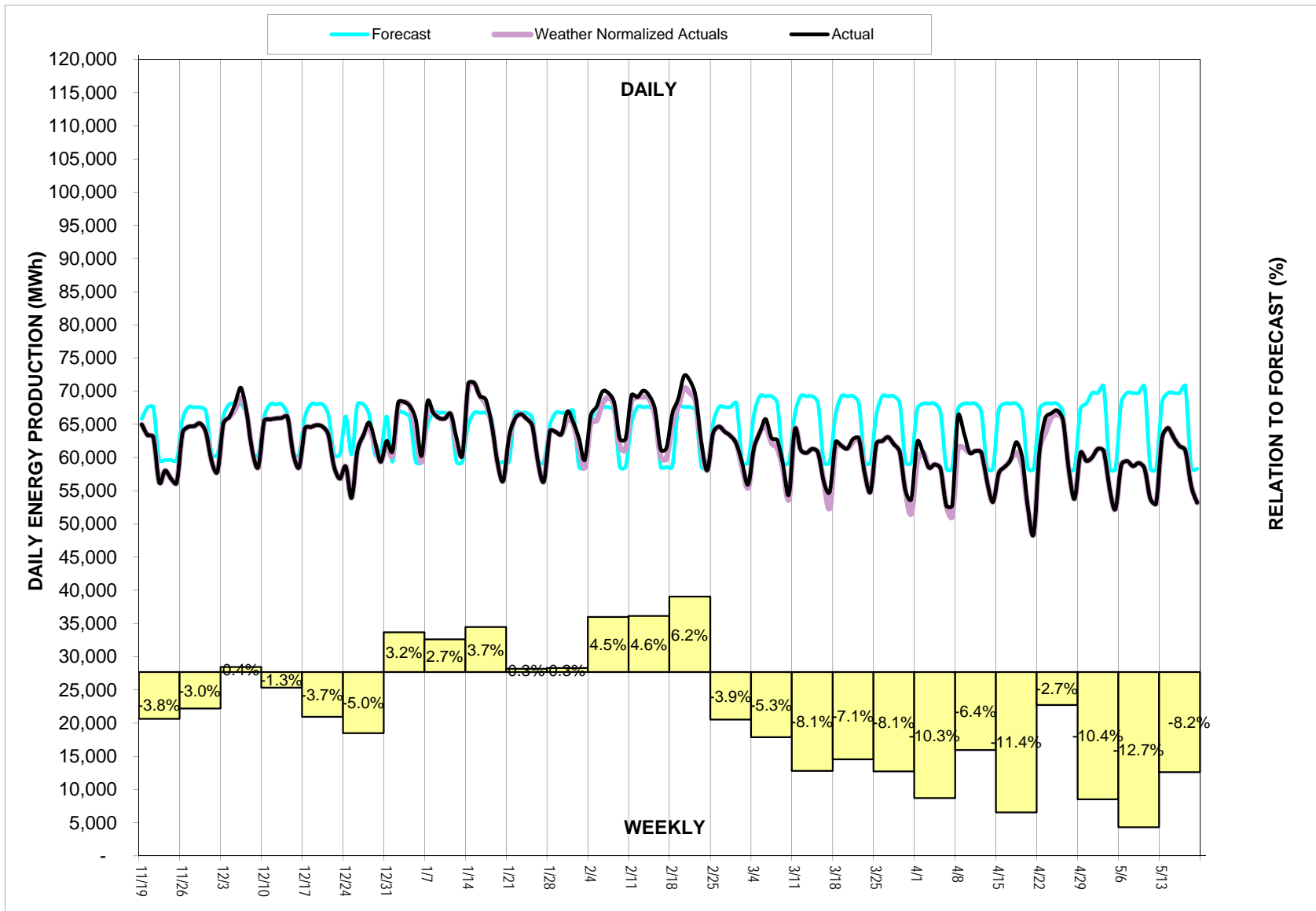
Max Temp is measured at the Civic Center.

\*Figures are from the preliminary 2018 Forecast



DAILY ENERGY PRODUCTION

NET ENERGY FOR LOAD



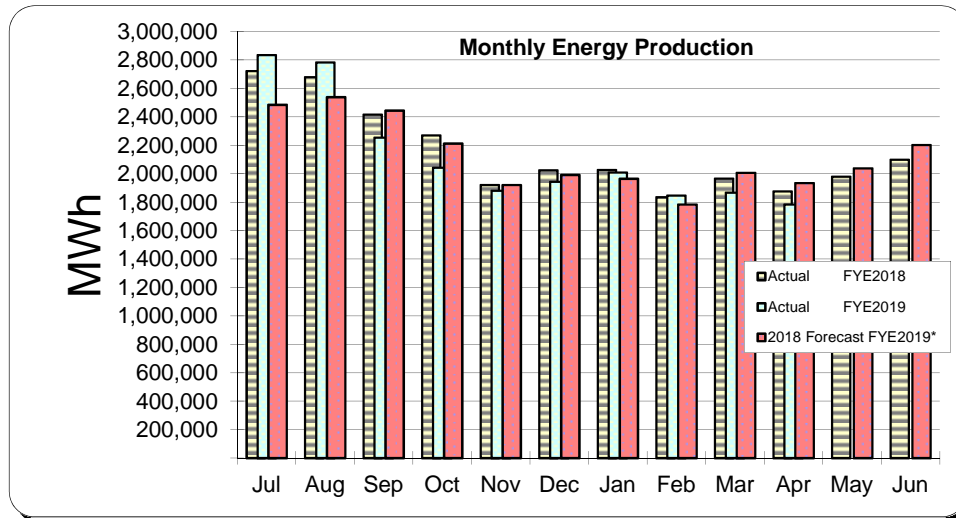
## ENERGY PRODUCTION COMPARISON

NET ENERGY FOR LOAD

### MONTHLY (MWh)

Month	Actual FYE2018	Actual FYE2019	Change vs. Last Year	2018 Forecast FYE2019*	Above or Below the Forecast
Jul	2,724,013	2,835,604	4.1%	2,487,211	14.0%
Aug	2,681,317	2,784,751	3.9%	2,540,446	9.6%
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Jan	2,029,289	2,009,706	-1.0%	1,966,501	2.2%
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May	1,980,418			2,038,557	
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FYTM	21,754,349	21,259,295	-2.3%	21,298,082	-0.2%
Total	25,835,413			25,540,916	

\* Figures are from the preliminary 2018 Forecast



### DAILY SUMMARY (MWh)

Week of: May 13, 2019

Day	Date	FYE 2019 Actual (MWh)	FYE 2019 vs. FYE 2018 Avg	FYE2019 vs. FYE2017 Avg	FYE2019 vs. FYE2016 Avg
Mon	13-May-19	62,991	-6.7%	-12.3%	-9.1%
Tue	14-May-19	64,456	-5.4%	-11.0%	-9.4%
Wed	15-May-19	63,005	-6.2%	-13.4%	-9.7%
Thu	16-May-19	61,724	-5.8%	-13.6%	-9.6%
Fri	17-May-19	61,041	-6.9%	-13.4%	-8.8%
Sat	18-May-19	55,698	-8.3%	-15.8%	-7.6%
Sun	19-May-19	53,220	-9.0%	-18.1%	-9.1%

### DAILY SUMMARY (MW)

Day	Date	Hi Temp	Normal Hi Temp*	Max MW	Min MW
Mon	13-May-19	71°	74°	3,013	2,026
Tue	14-May-19	72°	74°	3,094	2,090
Wed	15-May-19	68°	74°	2,929	2,108
Thu	16-May-19	67°	75°	2,845	2,116
Fri	17-May-19	72°	75°	2,876	2,126
Sat	18-May-19	72°	75°	2,712	1,976
Sun	19-May-19	65°	75°	2,740	1,980

The temperature is measured at the L.A. Civic Center.

\* Data obtained from the Weather Bureau

### ANNUAL PEAK DEMAND (MW)

Year	NEL	NPL	Date	Day
2009	5,709	5,793	9/3/2009	Thu
2010	6,142	6,177	9/27/2010	Mon
2011	5,907	5,938	9/7/2011	Wed
2012	5,782	5,827	8/29/2012	Wed
2013	5,862	5,906	9/5/2013	Thu
2014	6,343	6,396	9/16/2014	Tue
2015	6,234	6,282	9/9/2015	Wed
2016	6,052	6,220	6/20/2016	Mon
2017	6,432	6,502	8/31/2017	Thu
2018	6,195	6,362	7/6/2018	Fri

The all-time high for a daily peak occurred on Thursday August 31, 2017 with 6,432 MW.

The energy was 117,060 MWh.

The temperature was 102° at the Civic Center.

ENERGY PRODUCTION COMPARISON

NET ENERGY FOR LOAD

