

# 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
Thu	11/1/2018	82	65,642	3,289	4:00 PM	1,992	4:00 AM	44.1%	48,013	17,628	36.4	36.2
Fri	11/2/2018	88	68,693	3,608	4:00 PM	2,029	4:00 AM	46.2%	50,578	18,115	36.3	35.4
Sat	11/3/2018	86	63,717	3,244	5:00 PM	2,013	5:00 AM	42.9%	45,701	18,016	35.3	36.5
Sun	11/4/2018	81	59,512	3,053	7:00 PM	1,955	6:00 AM	40.0%	-	59,512	-	35.3
Mon	11/5/2018	77	66,402	3,381	3:00 PM	1,952	4:00 AM	44.7%	49,000	17,402	35.6	34.5
Tue	11/6/2018	75	67,042	3,333	6:00 PM	2,066	4:00 AM	45.1%	49,085	17,957	37.4	37.0
Wed	11/7/2018	71	65,318	3,247	6:00 PM	2,043	4:00 AM	43.9%	47,602	17,716	38.3	38.0
Thu	11/8/2018	75	64,450	3,238	6:00 PM	2,002	3:00 AM	43.3%	47,046	17,404	38.9	37.6
Fri	11/9/2018	82	63,533	3,181	6:00 PM	1,979	4:00 AM	42.7%	46,245	17,287	39.7	38.7
Sat	11/10/2018	78	57,770	2,850	6:00 PM	1,981	4:00 AM	38.9%	40,785	16,985	40.9	40.2
Sun	11/11/2018	78	55,534	2,801	7:00 PM	1,911	4:00 AM	37.4%	-	55,534	-	42.4
Mon	11/12/2018	78	61,775	3,099	6:00 PM	1,952	4:00 AM	41.5%	44,781	16,994	41.5	40.0
Tue	11/13/2018	76	63,818	3,168	6:00 PM	2,023	4:00 AM	42.9%	46,191	17,627	49.7	48.3
Wed	11/14/2018	79	65,034	3,208	6:00 PM	2,055	4:00 AM	43.7%	47,136	17,898	54.0	51.7
Thu	11/15/2018	80	65,382	3,197	6:00 PM	2,055	4:00 AM	44.0%	47,402	17,979	48.2	52.0
Fri	11/16/2018	76	66,180	3,226	6:00 PM	2,097	4:00 AM	44.5%	47,820	18,360	46.7	45.3
Sat	11/17/2018	72	62,503	3,783	1:00 PM	2,163	4:00 AM	42.0%	44,048	18,455	47.2	44.9
Sun	11/18/2018	74	58,649	2,904	7:00 PM	2,060	4:00 AM	39.4%	-	58,649	-	44.2
Mon	11/19/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Tue	11/20/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Wed	11/21/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Thu	11/22/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Fri	11/23/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Sat	11/24/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Sun	11/25/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Mon	11/26/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Tue	11/27/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Wed	11/28/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Thu	11/29/2018	-	-	-	-	-	-	0.0%	-	-	-	-
Fri	11/30/2018	-	-	-	-	-	-	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	<u>HE@Max</u>	MINIMUM	<u>HE@Min</u>	ON PEAK	OFF PEAK	ON PEAK	OFF PEAK
Nov-18	1,140,953	3,783	1:00 PM	1,911	4:00 AM	701	440	41.75	40.93
<u>Max for Last 12 mths</u>		<u>Max Occurred On</u>		<u>Min Occurred On</u>		<u>SYSTEM PRODUCTION COSTS</u>			
	6,195	Sat	11/17/2018	Sun	11/11/2018	<u>HIGH PEAK</u>	<u>LOW PEAK</u>	<u>BASE</u>	
	NEL(MWH)	62,503	NEL(MWH)	55,534	NEL(MWH)				

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

42.45      42.48      40.97

## DAILY ENERGY PRODUCTION

NET ENERGY FOR LOAD

### MONTHLY (MWh)

Month	Actual FYE2018	Actual FYE2019	Change vs. Last Year	2017 Forecast FYE2019*	Above or Below the Forecast
Jul	2,724,013	2,835,604	4.1%	2,507,488	13.1%
Aug	2,681,317	2,784,751	3.9%	2,561,338	8.7%
Sep	2,417,069	2,256,139	-6.7%	2,465,597	-8.5%
Oct	2,272,181	2,043,900	-10.0%	2,231,389	-8.4%
Nov	1,922,392			1,938,481	
Dec	2,025,561			2,010,520	
Jan	2,029,289			1,986,560	
Feb	1,835,936			1,802,442	
Mar	1,968,231			2,030,478	
Apr	1,878,360			1,956,591	
May	1,980,418			2,059,643	
Jun	2,100,646			2,226,380	
FYTM	10,094,580	9,920,394	-1.7%	9,765,812	1.6%
Total	25,835,413			25,776,907	

\*Figures are from the preliminary 2017 Forecast

### DAILY (MWh)

Week of: November 12, 2018

Day	Date	Actual	Forecast	Above the Forecast	% Diff.	Avg of Previous 4 Weeks
Mon	12-Nov-18	61,775	65,849	-4,074	-6.2%	65,400
Tue	13-Nov-18	63,818	67,570	-3,753	-5.6%	65,772
Wed	14-Nov-18	65,034	67,570	-2,536	-3.8%	65,610
Thu	15-Nov-18	65,382	67,570	-2,189	-3.2%	66,135
Fri	16-Nov-18	66,180	67,008	-828	-1.2%	67,479
Sat	17-Nov-18	62,503	59,621	2,883	4.8%	62,200
Sun	18-Nov-18	58,649	59,621	-972	-1.6%	58,492
Weekly Total		443,341	454,810	-11,469	-2.5%	-6.5%

### HOURLY (MW)

Day	Hi Temp	Norm Hi Temp*	Max	Hour	Min	Hour
Mon	78°	73°	3,099	6:00 PM	1,952	4:00 AM
Tue	76°	73°	3,168	6:00 PM	2,023	4:00 AM
Wed	79°	73°	3,208	6:00 PM	2,055	4:00 AM
Thu	80°	73°	3,197	6:00 PM	2,055	4:00 AM
Fri	76°	73°	3,226	6:00 PM	2,097	4:00 AM
Sat	72°	73°	3,783	1:00 PM	2,163	4:00 AM
Sun	74°	72°	2,904	7:00 PM	2,060	4:00 AM

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

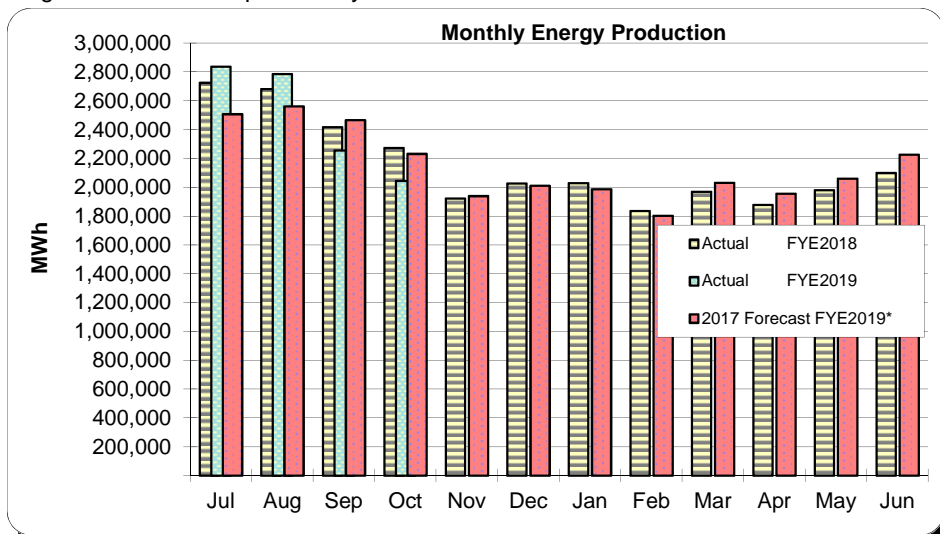
\* Data obtained from the Weather Bureau

### 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

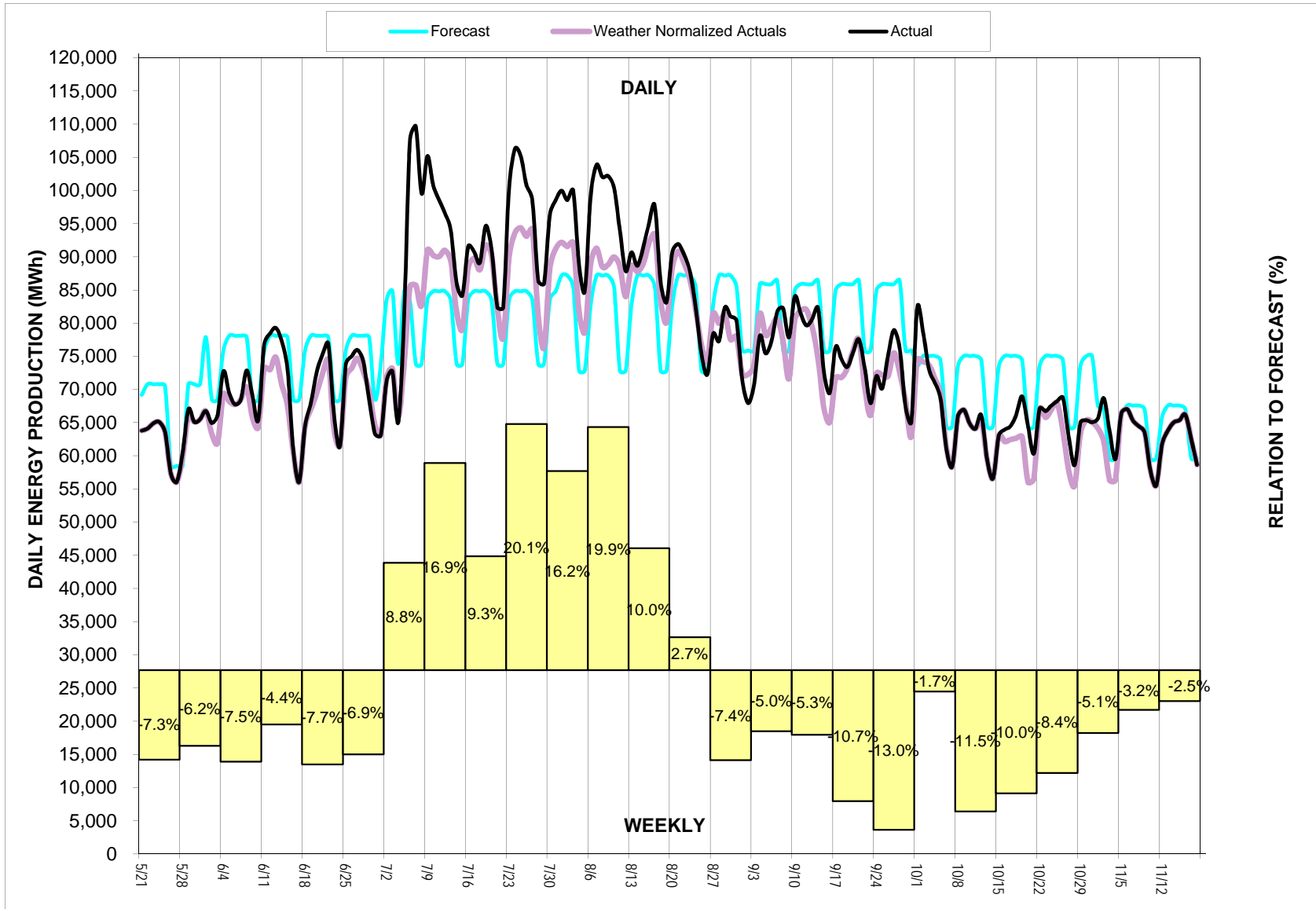
	MW	Date	Day	Hour	MWH	Max Temp
All-time	6,432	8/31/2017	Thu	5:00 PM	117,060	102

Max Temp is measured at the Civic Center.



DAILY ENERGY PRODUCTION

NET ENERGY FOR LOAD



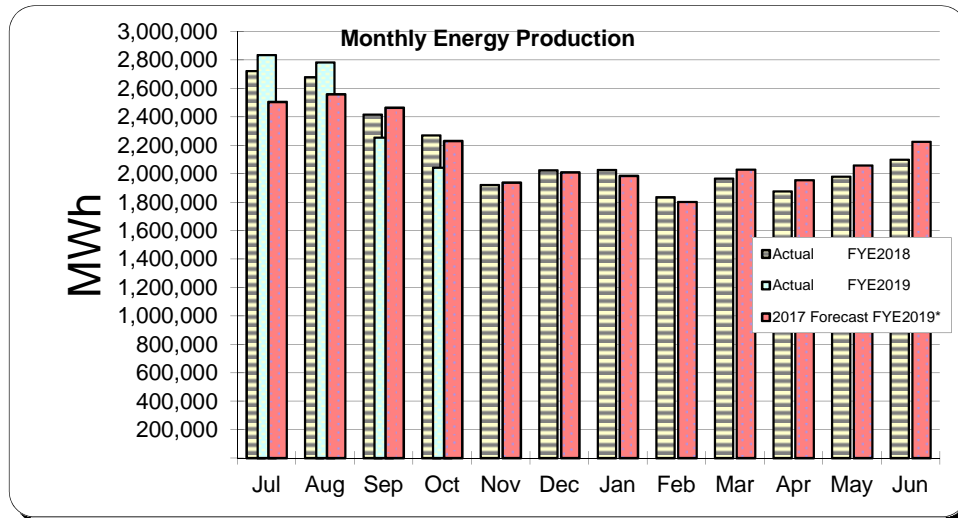
## ENERGY PRODUCTION COMPARISON

NET ENERGY FOR LOAD

### MONTHLY (MWh)

Month	Actual FYE2018	Actual FYE2019	Change vs. Last Year	2017 Forecast FYE2019*	Above or Below the Forecast
Jul	2,724,013	2,835,604	4.1%	2,507,488	13.1%
Aug	2,681,317	2,784,751	3.9%	2,561,338	8.7%
Sep	2,417,069	2,256,139	-6.7%	2,465,597	-8.5%
Oct	2,272,181	2,043,900	-10.0%	2,231,389	-8.4%
Nov	1,922,392			1,938,481	
Dec	2,025,561			2,010,520	
Jan	2,029,289			1,986,560	
Feb	1,835,936			1,802,442	
Mar	1,968,231			2,030,478	
Apr	1,878,360			1,956,591	
May	1,980,418			2,059,643	
Jun	2,100,646			2,226,380	
FYTM	10,094,580	9,920,394	-1.7%	9,765,812	1.6%
Total	25,835,413			25,776,907	

\* Figures are from the preliminary 2017 Forecast



### DAILY SUMMARY (MWh)

Week of: November 12, 2018

Day	Date	FYE 2019 Actual (MWh)	FYE 2019 vs. FYE 2018 Avg	FYE2019 vs. FYE2017 Avg	FYE2019 vs. FYE2016 Avg
Mon	12-Nov-18	61,775	-8.2%	-8.0%	-6.9%
Tue	13-Nov-18	63,818	-11.5%	-7.0%	-3.8%
Wed	14-Nov-18	65,034	-10.3%	-8.8%	-4.4%
Thu	15-Nov-18	65,382	-6.3%	-9.2%	-4.7%
Fri	16-Nov-18	66,180	-1.5%	-6.2%	-3.6%
Sat	17-Nov-18	62,503	0.9%	-4.5%	-3.4%
Sun	18-Nov-18	58,649	0.0%	-7.2%	-6.1%

### DAILY SUMMARY (MW)

Day	Date	Hi Temp	Normal Hi Temp*	Max MW	Min MW
Mon	12-Nov-18	78°	73°	3,099	1,952
Tue	13-Nov-18	76°	73°	3,168	2,023
Wed	14-Nov-18	79°	73°	3,208	2,055
Thu	15-Nov-18	80°	73°	3,197	2,055
Fri	16-Nov-18	76°	73°	3,226	2,097
Sat	17-Nov-18	72°	73°	3,783	2,163
Sun	18-Nov-18	74°	72°	2,904	2,060

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

