



# Power Supply and Energy Services Report

Ingmar Sterzing, VP, Power Supply and Energy Services

August 21, 2017

# Summer 2017 PEC/ERCOT 4CP Preliminary Results

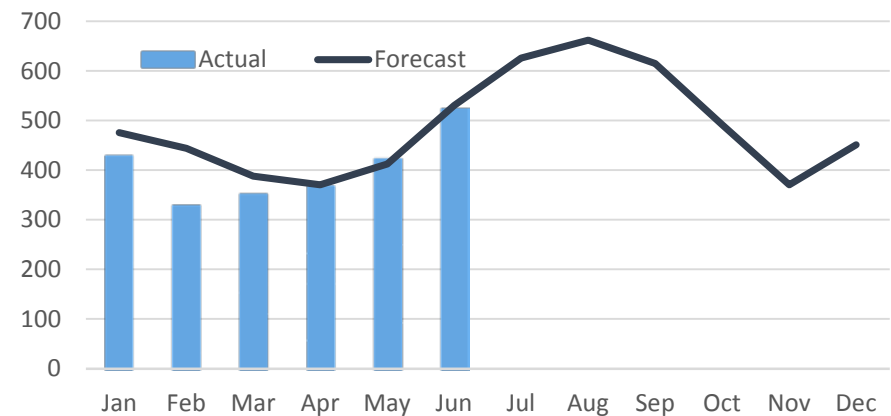
	June	July	August	September	Average
Measured PEC Demand (MWs)*	1,369	1,333			1,351
ERCOT Peak (MWs)	67,759	69,647			68,703
Percentage (%)	2.02%	1.91%			1.97%
Date and Time	June 23 16:45	July 28 17:00			NA
<b>PEC 4CP Peak Demand Mitigation Measures</b>					
Active and Deemed Savings (MWs)	25.6	24.9			25.25
Peak Savings (%)	1.84%	1.83%			1.84%

\*Does not include 4CP results for Non-LCRA delivery points Friess, New Barksdale, and Rock Springs)

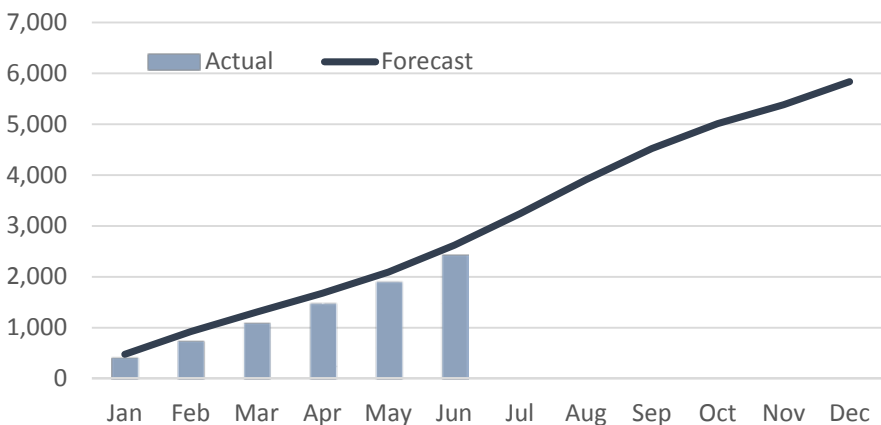


# PEC Energy Sales Summary for June 2017

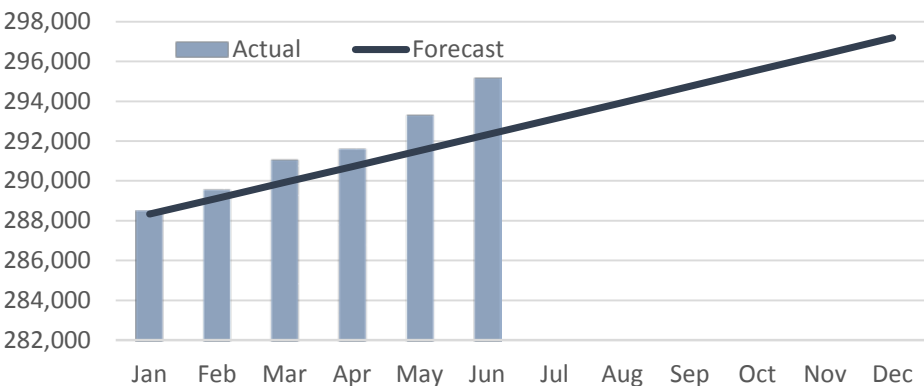
Energy Sales (GWh)



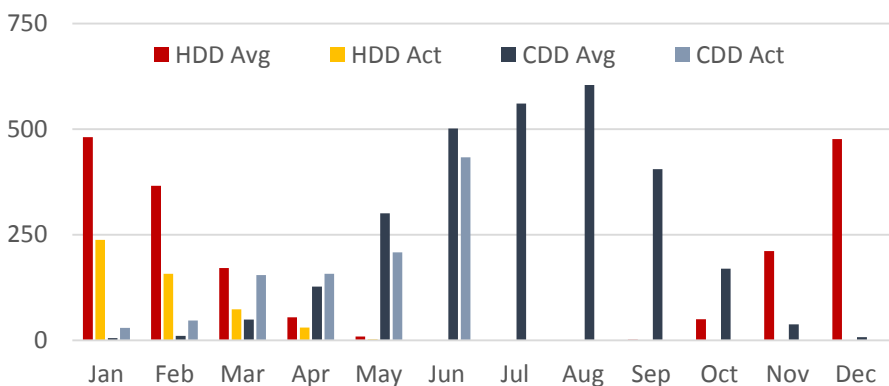
Cumulative Energy Sales (GWh)



Total Account Count



HDD\* and CDD\* Average vs Actual



# Energy Services Update for June 2017

	2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Energy Audits Performed	281	21	22	19	17	38	62							179
Interconnections Complete	354	26	27	34	46	52	61							246
Residential Units Installed	1256	0	128	80	156	200	137							701
Residential Rebates Monthly (\$k)	\$440	0	41	25	49	65	44							224
Residential Rebate Budget Remaining (\$k)	NA	300	259	234	185	119	76							76
Comm. Rebate Applications Approved	18	0	3	1	3	4	1							12
Comm. Rebates Monthly (\$k)	\$143	0	24	1	15	5	2							47
Commercial Rebates Budget Remaining (\$k)	NA	200	176	175	160	155	153							153
Empower Loan Applications Received	29	0	1	1	0	4	3							9
*Empower Loans Final Approval Monthly	10	2	0	0	1	2	3							8

\* The Empower Loan Final approval is contingent upon approval of the interconnection and installation



# Rate Competitiveness - As of June 2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>PEC Residential Bill at 1,000 kWh Usage</b>	\$105.20	\$105.20	\$105.20	\$105.20	\$105.20	\$105.20						
<b>Texas Coop Average Bill at 1,000 kWh</b>	\$112.77	\$110.50	\$110.50	\$110.50	\$110.50	\$110.50						
<b>Texas Residential Average Bill at 1,000 kWh</b>	\$108.60	\$108.82	\$114.10	\$113.10	\$112.70	\$111.70						
<b>National Residential Average Bill at 1,000 kWh</b>	\$122.10	\$122.10	\$128.20	\$129.00	\$127.00	\$130.20						

# Residential Rate Option Participation – June 2017

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Conventional</b>	166,465	165,993	167,237	166,423	167,192	169,412						
<b>Esaver</b>	18,425	18,799	18,919	19,047	19,156	19,405						
<b>Ebilling</b>	49,400	50,298	50,735	50,947	51,445	51,356						
<b>Edraft</b>	26,109	26,349	26,550	26,837	27,036	27,337						
<b>Time of Use</b>	-	21	24	38	43	56						
<b>Renewable Rider</b>	352	352	352	352	352	369						
<b>Interconnection Net Metering</b>	1,270	1,319	1,355	1,399	1,444	1,501						
<b>Water Wells</b>	1,968	1,971	1,967	1,969	1,966	1,967						

# Project Status June 2017

Project or Initiative	Status
Time of Use (TOU) Rates	<ul style="list-style-type: none"> <li>Time of Use effective April 1, 2017</li> <li>Development of Large Power TOU calculator under way</li> </ul>
Distributed Solar Project	<ul style="list-style-type: none"> <li>Power Purchase Agreements (PPAs) for 12 projects totaling 12 MWs have been completed</li> <li>Offers out for final 3 MW's at 2 sites, one an existing site (1 MW), one additional new site (2 MW)</li> <li>Construction (lot clearing) started June 2017 with COD on first site 21 September 2017</li> </ul>
"Cooperative" Solar Rate Option	<ul style="list-style-type: none"> <li>Final Tariff Amendment approved by PEC Board in May 2017</li> <li>Tariff Effective date of February 2018</li> <li>Implementation of metering, billing, and program management requirements underway</li> </ul>
Electric Vehicle (EV) Charging Pilot	<ul style="list-style-type: none"> <li>Initiating first pilot installation in conjunction with Johnson City HQ remodel project</li> <li>Tariff amendment presented to support installation of public charging stations with charging fee</li> </ul>
Bring Your Own Thermostat (BYOT) Program	<ul style="list-style-type: none"> <li>Final evaluation and business analysis complete</li> <li>Results indicate that stand alone, third party BYOT program is not cost effective at this time</li> <li>Evaluating other options to integrate smart thermostats as part of PEC metering/communications upgrades</li> </ul>
Empower Loan Program	<ul style="list-style-type: none"> <li>Revise loan guidelines to adjust requirement for 12 Mo. billing history and add car charging stations as a covered loan item along with other minor adjustments and improvements</li> </ul>
Large and Small Power Interconnected Tariff	<ul style="list-style-type: none"> <li>Tariff amendment approved and will be effective July 1, 2017</li> <li>System interconnections for five member's commercial scale systems already complete</li> </ul>
Power Supply and Energy Management Initiative	<ul style="list-style-type: none"> <li>Draft policy prepared and implementation plan is underway</li> </ul>
Time of Use (TOU) for Interconnected Members	<ul style="list-style-type: none"> <li>Technical and system upgrades are in development</li> </ul>
TCEQ Battery Storage Project	<ul style="list-style-type: none"> <li>Limited Notice to Proceed (NTP) received from Texas Commission on Environmental Quality (TCEQ) to develop request for proposal (RFP) and align with existing Solar project</li> </ul>
Microgrid Marble Falls Operations Center Project	<ul style="list-style-type: none"> <li>Project cancelled with AMS due to advanced stage of construction of PEC Northwest Operations Center and limited scale of the proposed micro-grid</li> </ul>



pec.coop