



# Quarterly Operations Briefing

Austin Energy Utility Oversight Committee  
February 28, 2018  
Elaina Ball  
COO & DGM



# Agenda

- Safety Performance
- System Reliability
- Power Production
- Market Conditions
- Budget Performance

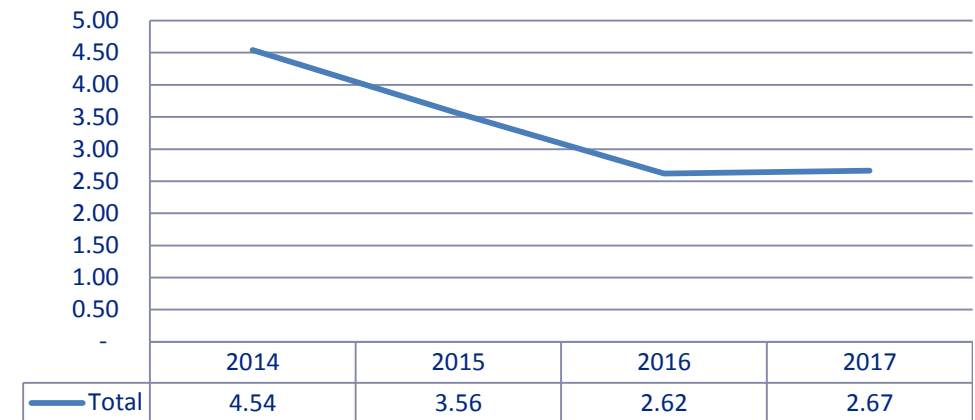


# Safety Performance

- Trending slightly higher than this same quarter last year, but lower than year end
- Focus on tools, equipment, root cause of incidents
- Renewed focus on driving safety for FY2018

	FY to Nov 2017	Previous FY through Nov 2016	Industry Comparison
Recordable Incident Rate*	1.59	0.81	2.40
Lost Time Incident Rate*	0.79	0.00	0.70

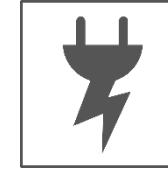
**FY 2014-2017 RIR**





# System Reliability

- Outage duration and frequency trending back down after upticks in the fall
- Benchmarking results
- New Winter Peak (1/17/18)
- Key Reliability Projects
  - Repowering Downtown
  - Key Transmission Circuits
  - Bluff Springs Substation

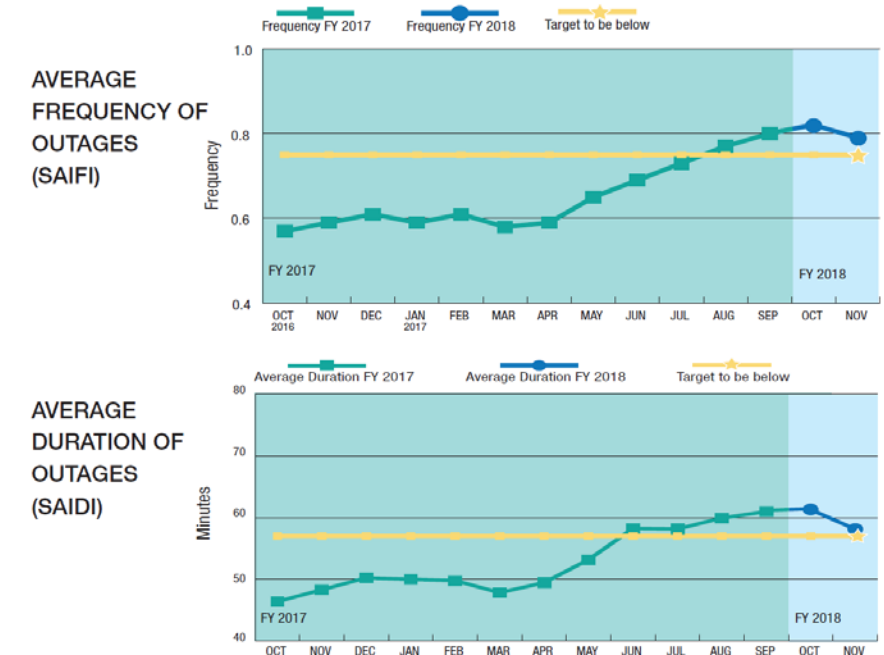


2377 MW Winter Peak



Outage duration 57.7 mins  
Outage frequency 0.81

## Reliability Performance



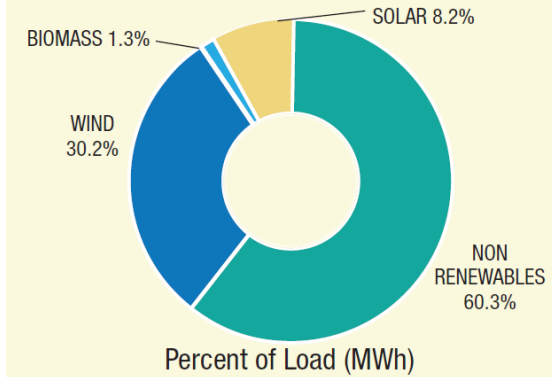


# Power Production/On-Site Energy Resources

- Renewable Energy production offset 39.7% of load requirements
- Commercial Availability/Start Success
- Seasonal outage work planned at all thermal stations and chilling plants
- Key projects:
  - Third downtown district cooling plant
  - ACC Highland Campus cooling plant
- Summer preparedness

## Renewables

RENEWABLE ENERGY LOAD OFFSET  
Fiscal Year 2017 to Nov



## Commercial Availability

Generation Source	Monthly Commercial Availability Nov 2017 (%)	Seasonal Commercial Availability Target (Jun-Sep) (%)
Decker Steam Units	69.50	95.00
Sand Hill Combined Cycle	13.60	95.00
Fayette	83.65	97.00
South Texas Project	100.00	100.00

## Start Success

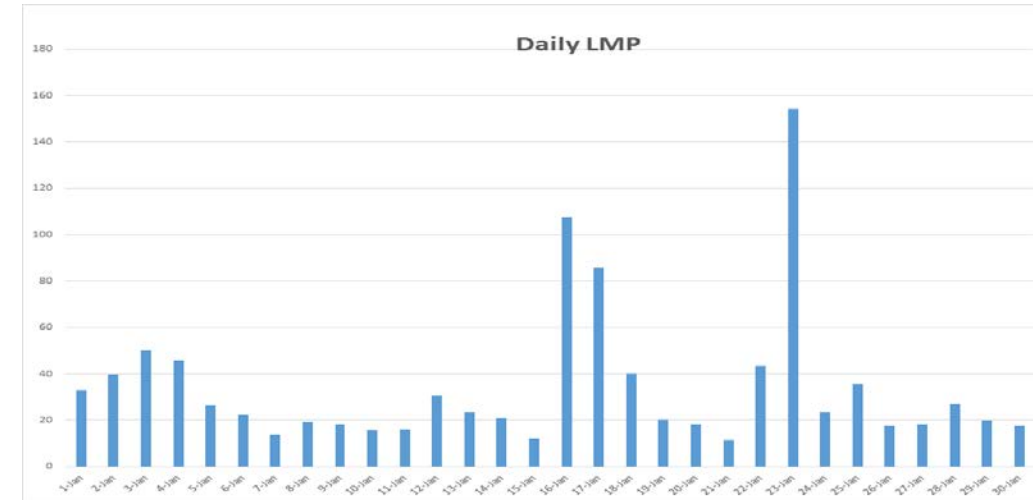
	Nov 2017 (%)	Target (%)
Simple Cycle Start Success	100.00	99.00



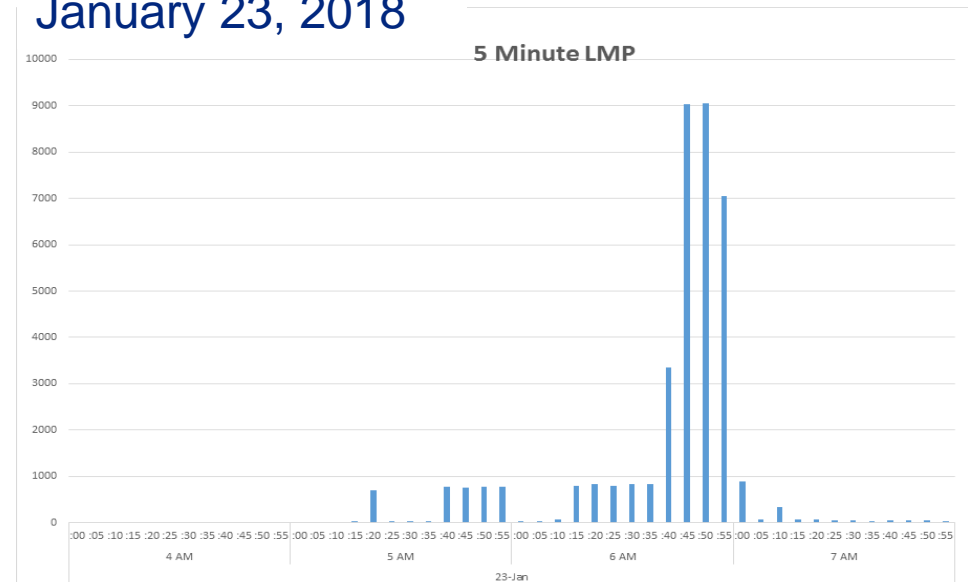
# Market Conditions

- Recent Noteworthy Events
  - New Winter Peak ERCOT & AE
  - System Wide Offer Cap reached twice
  - Overall January Pricing
  - AE Performance
- Latest ERCOT Capacity, Demand & Resources (CDR) Report
  - Reserve Margin
- AE Summer Readiness

January 2018 AE Load Zone Prices

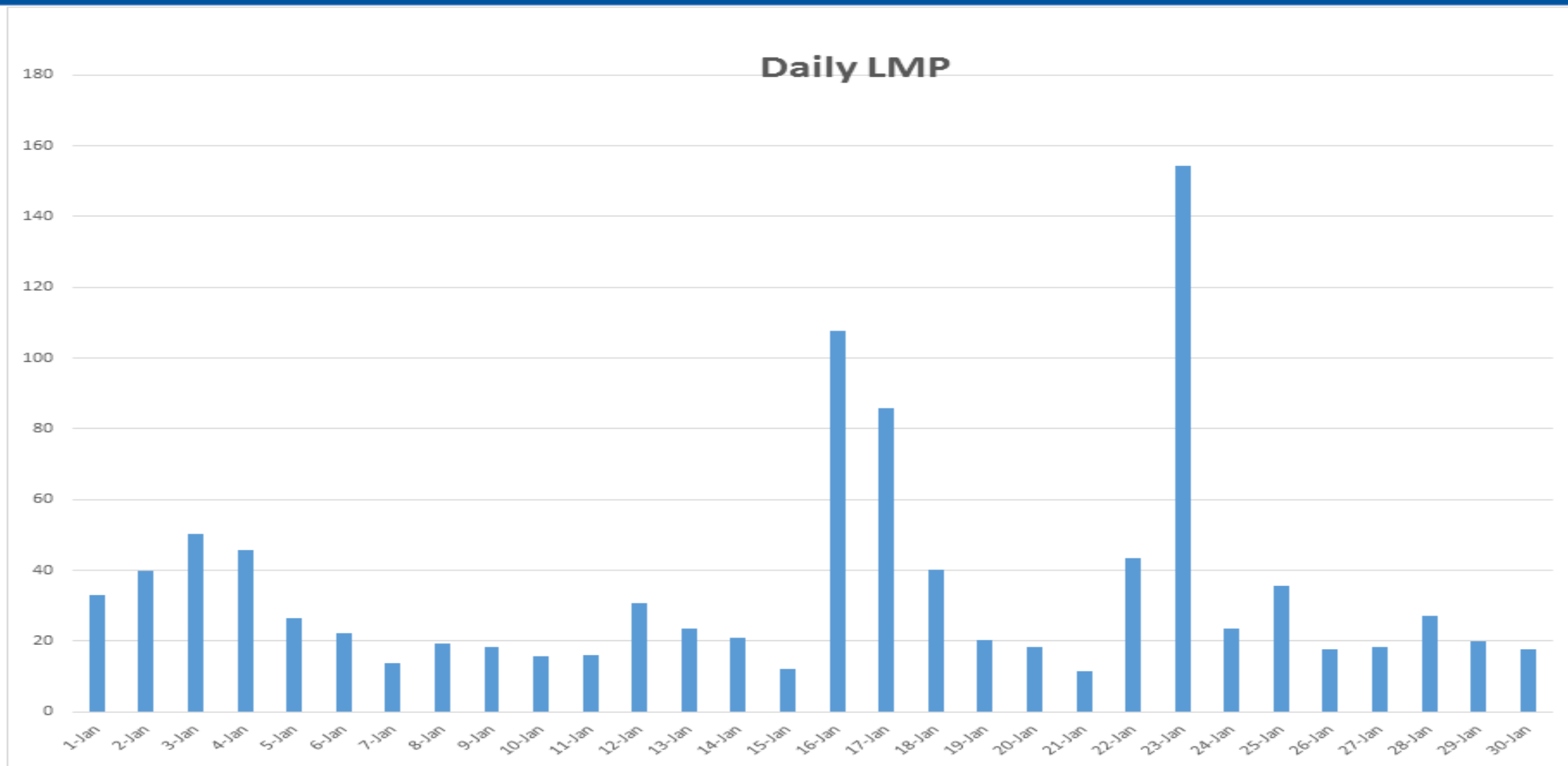


January 23, 2018





# January Pricing Events



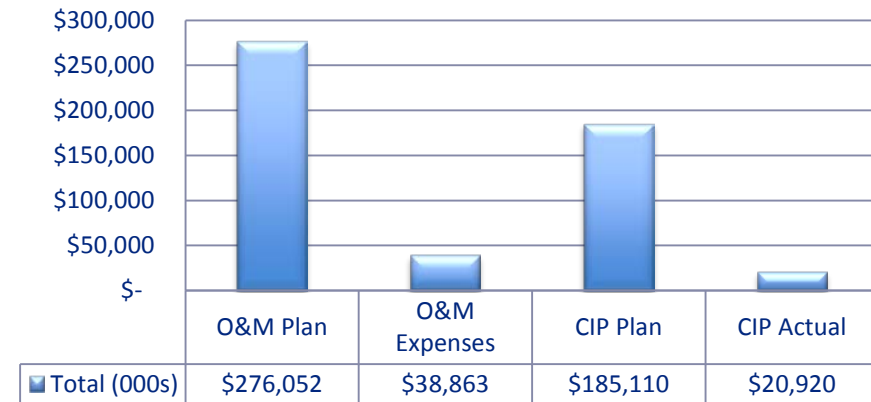


# Operations Budget

## Budget Setting FY 2018

- Zero Based Budgeting
- Categorized spend based on control
  - Performed detailed task/spend analysis
  - Executive challenge/review sessions
  - Focused on controllable spend tiers
- Identified reductions of ~\$8.5 million from the FY 2017 budget
- Key opportunity areas found
  - Contractor costs
  - Contingency funding
  - Technology opportunities

## Performance Through 11/30/17\*



- O&M – 14% spend
- CIP – 11% spend

## Key FY 18 drivers

- STP 2 Refueling Outage
- ESD system & growth projects
- Chilled water infrastructure

\*Unaudited, CIP includes all Shared Services, YTD encumbrances not included





# Questions