

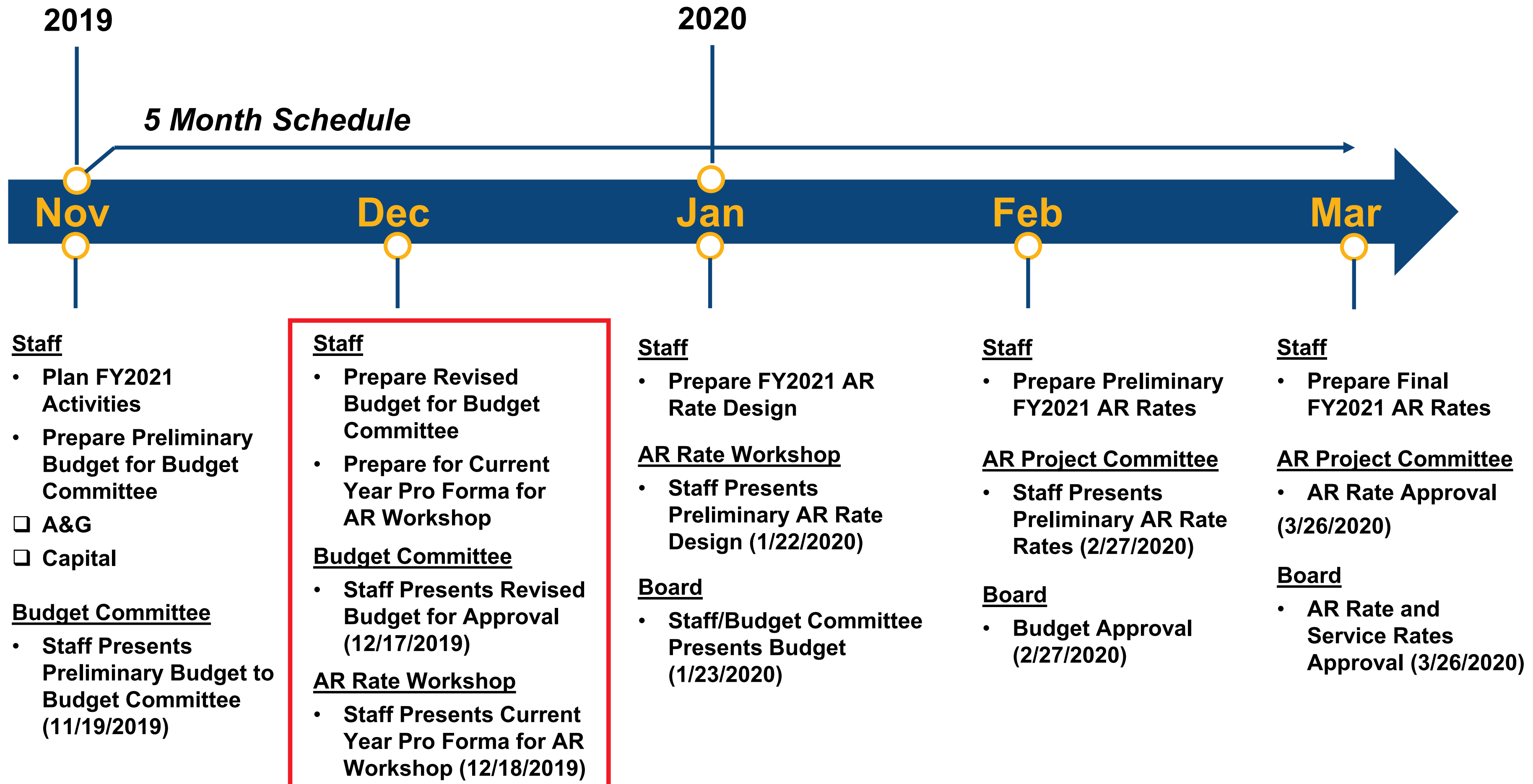


President & CEO Update

Doug Buresh

November 20, 2019

FY2021 Budget and AR Rate Process



SEPA Dispatch Service Bardstown and Nicholasville

KYMEA Services Provided

- **SEPA Service**
 - **Time Period: May 2019 – Nov 2019**
 - **User Fee**
 - **Dispatch Fee**

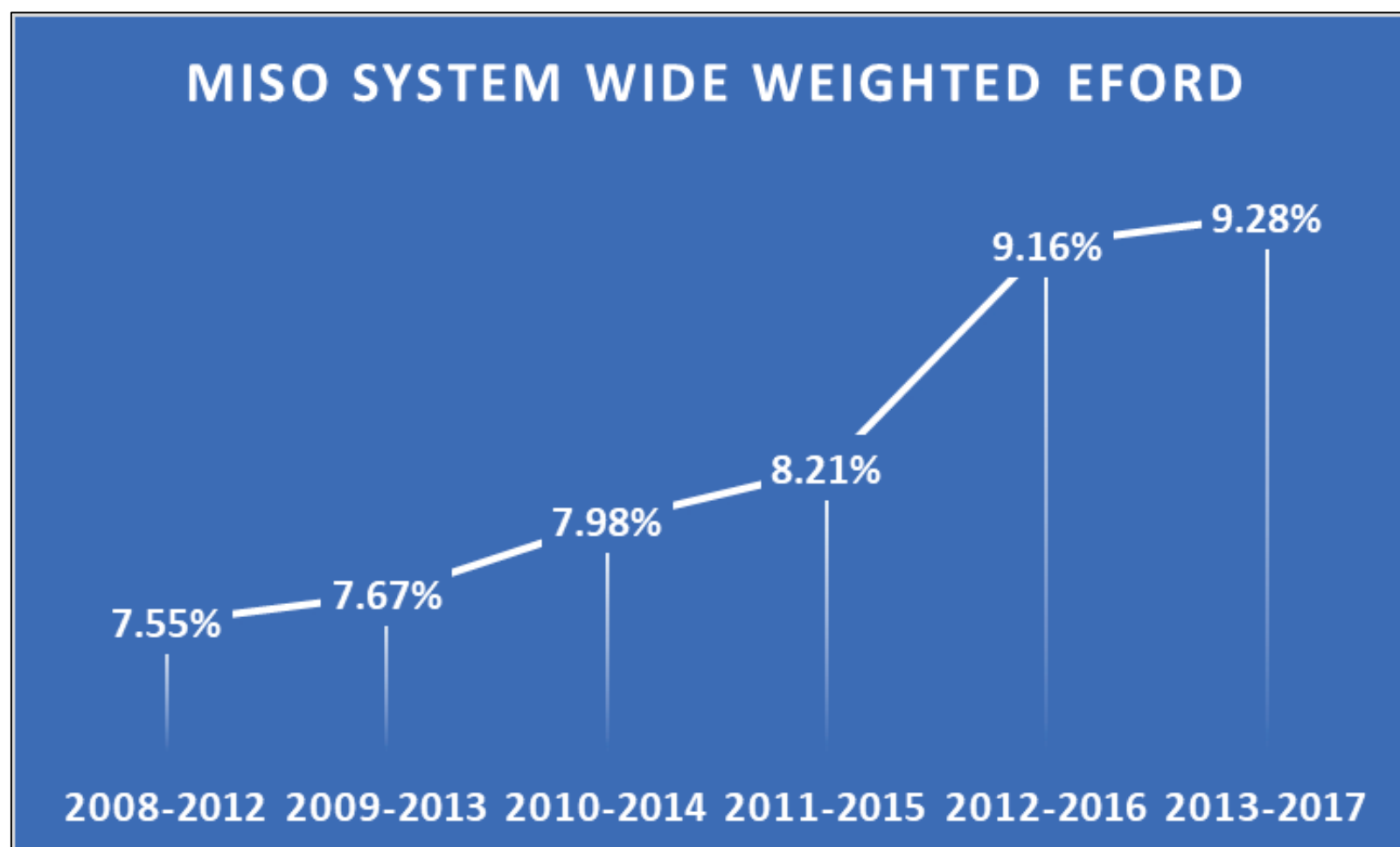
Bardstown and Nicholasville will discontinue KYMEA SEPA Service

- **Beginning Dec 1, 2019**
- **Service will be provided to Bardstown and Nicholasville by
Kentucky Utilities**

Industry News – MISO Planning Reserve Margin to Climb in Planning Year 2020/2021

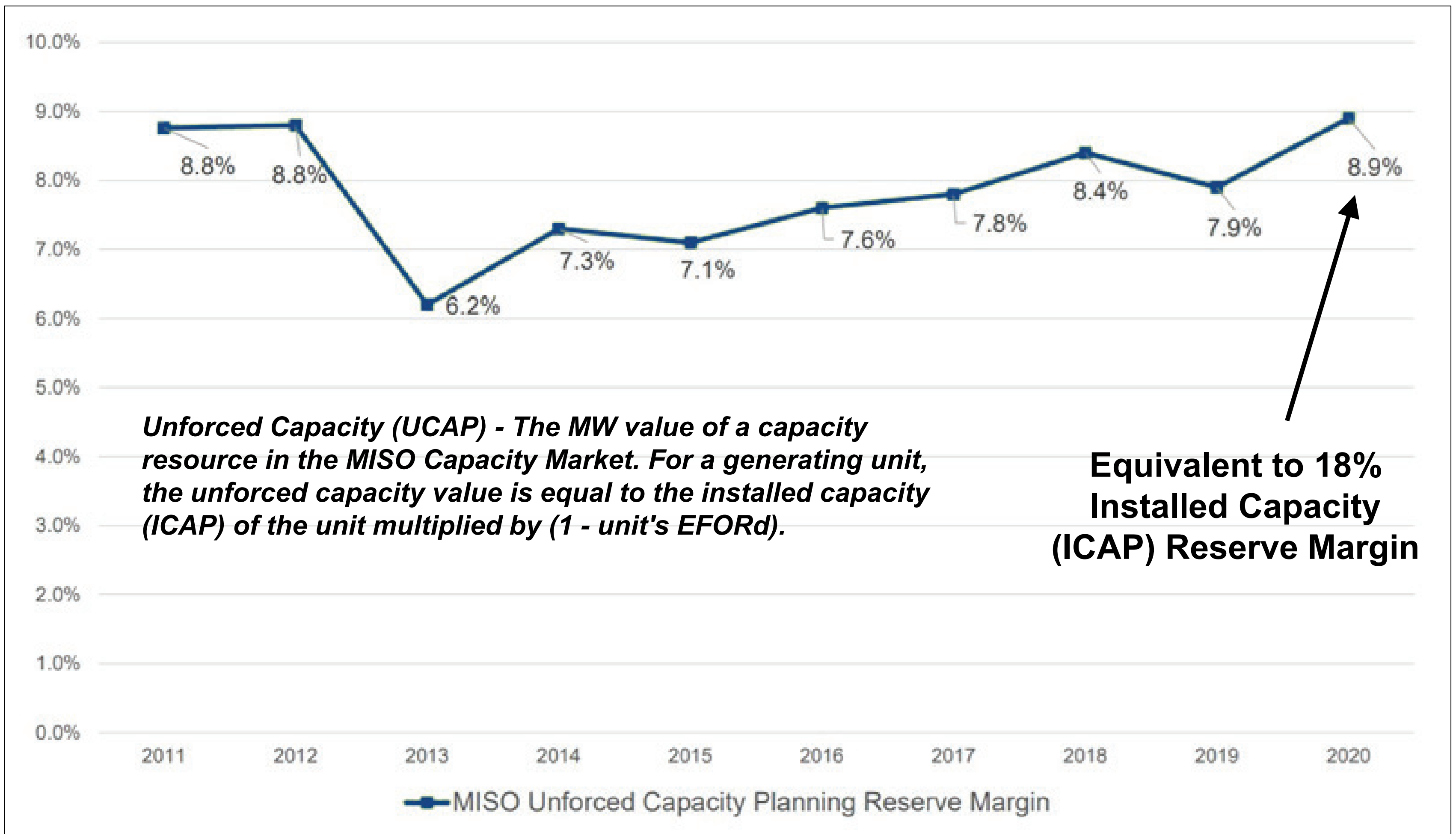
Overview

- **MISO 2020/2021 loss-of-load expectation (LOLE) study**
 - **Changing Resource Mix**
 - **Resource Mix Performance (increase in forced outages)**

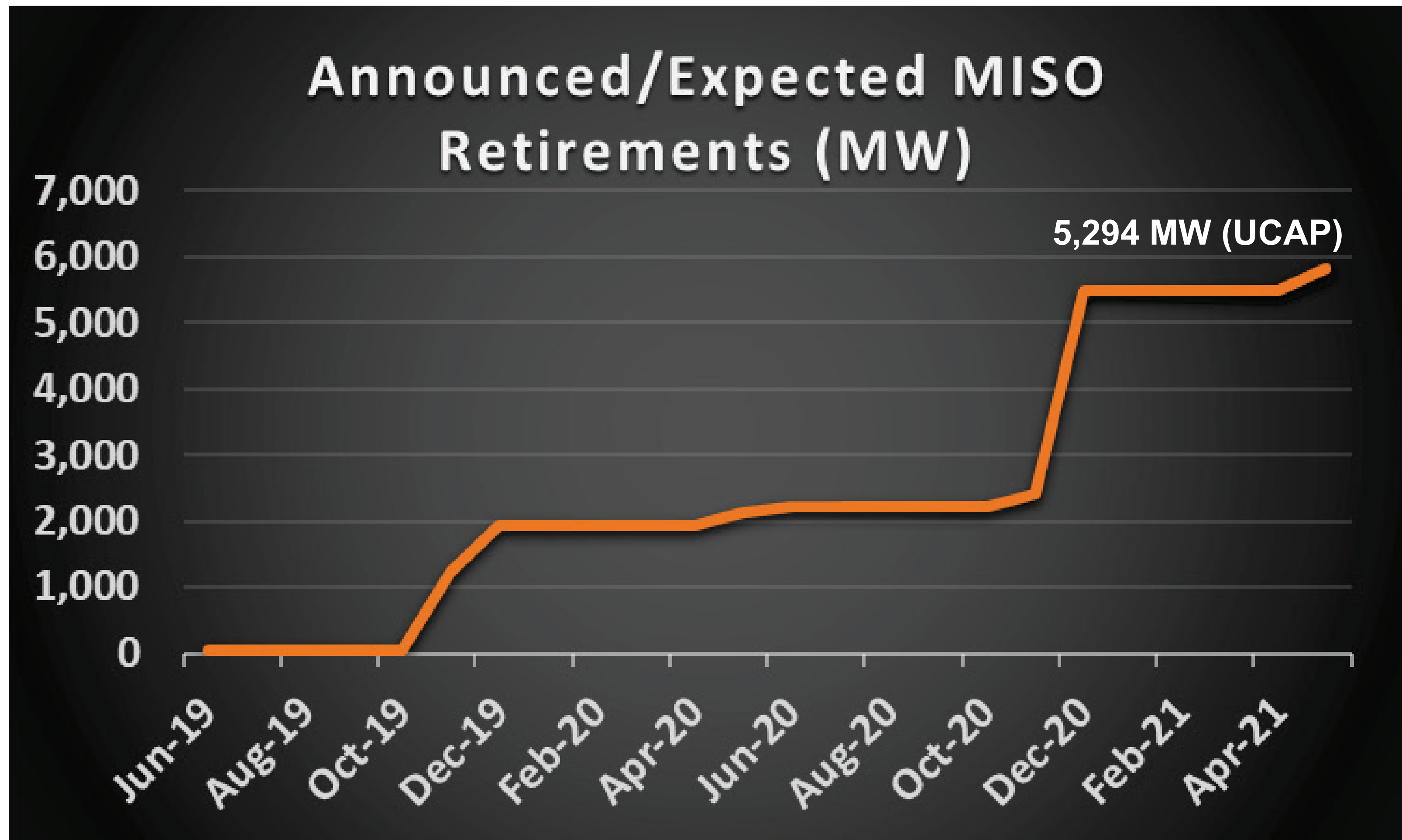


Pooled EFORD GADS Years	2013-2017 (%)	2012-2016 (%)	2011-2015 (%)	2010-2014 (%)	2009-2013 (%)	2008-2012 (%)
LOLE Study Planning Year	2019-2020 PY LOLE Study	2018-2019 PY LOLE Study	2017-2018 PY LOLE Study	2016-2017 PY LOLE Study	2015-2016 PY LOLE Study	2014-2015 PY LOLE Study
Combined Cycle	5.37	4.62	3.56	3.78	3.92	4.74
Combustion Turbine (0-20 MW)	23.18	29.02	24.2	23.58	18.39	27.22
Combustion Turbine (20-50 MW)	15.76	13.48	13.94	16.03	53.12	25.27
Combustion Turbine (50+ MW)	5.18	6.19	5.94	5.69	5.61	5.76
Diesel Engines	10.26	10.42	13.12	12.51	14.00	9.83
Fluidized Bed Combustion	*	*	*	*	**	**
HYDRO (0-30MW)	*	*	*	*	**	**
HYDRO (30+ MW)	*	*	*	*	**	**
Nuclear	*	*	*	*	**	**
Pumped Storage	*	*	*	*	**	**
Steam - Coal (0-100 MW)	4.60	5.14	5.99	7.12	8.45	8.82
Steam - Coal (100-200 MW)	*	*	*	*	6.39	6.85
Steam - Coal (200-400 MW)	9.82	9.77	8.64	8.46	8.44	8.33
Steam - Coal (400-600 MW)	*	*	*	7.04	6.99	6.98
Steam - Coal (600-800 MW)	8.22	7.90	7.42	7.58	7.36	**
Steam - Coal (800-1000 MW)	*	*	*	*	**	**
Steam - Gas	11.56	11.94	11.68	10.18	8.79	**
Steam - Oil	*	*	*	*	**	**
Steam - Waste Heat	*	*	*	*	**	**
Steam - Wood	*	*	*	*	**	**
MISO System Wide Weighted	9.28	9.16	8.21	7.98	7.67	7.55

MISO 2020/2021 Planning Reserve Margin



MISO Announced/Expected Retirements



Possible Impact on MISO PRA Auction

Offer Curve: 2018/19 vs 2019/20

