



KENTUCKY MUNICIPAL ENERGY AGENCY



Winter Preparedness

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November 18, 2020

Winter 2020-2021 Preparedness

Purpose: To procure enough capacity/reserves and firm transmission to cover load during winter peaking events

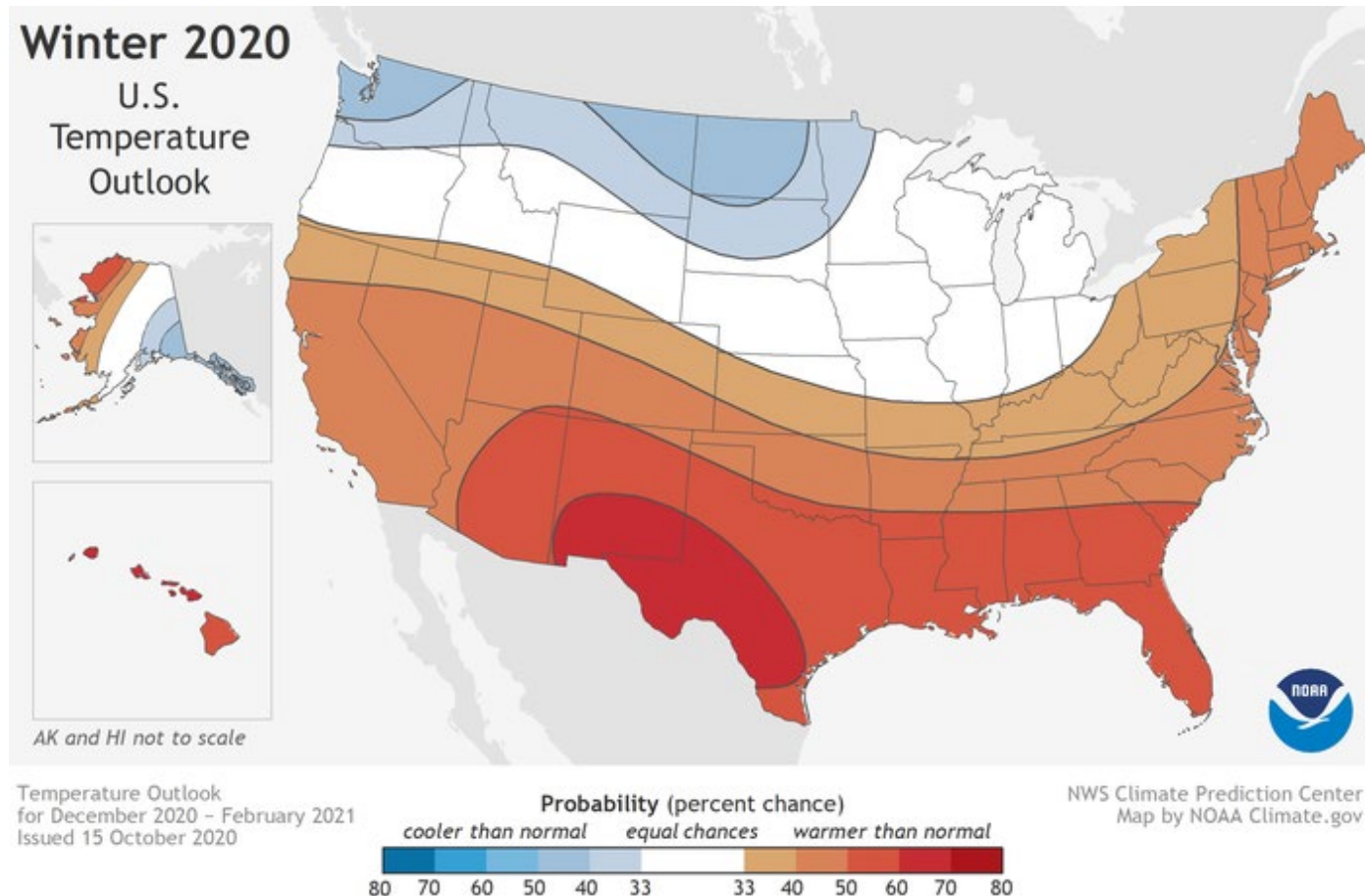
What/Ifs: In the event that loads were unable to be adequately supplied then Energy Emergency Alerts (EEA) would be enacted

EEA 1 – All available generation resources in use

EEA 2 – Load management procedures in effect, Capacity Benefit Margin (CBM) can be called upon (requests due Mar. 1)

EEA 3 – Firm load interruption is imminent or in progress

Winter 2020-2021 Outlook



Winter 2020-2021 Outlook



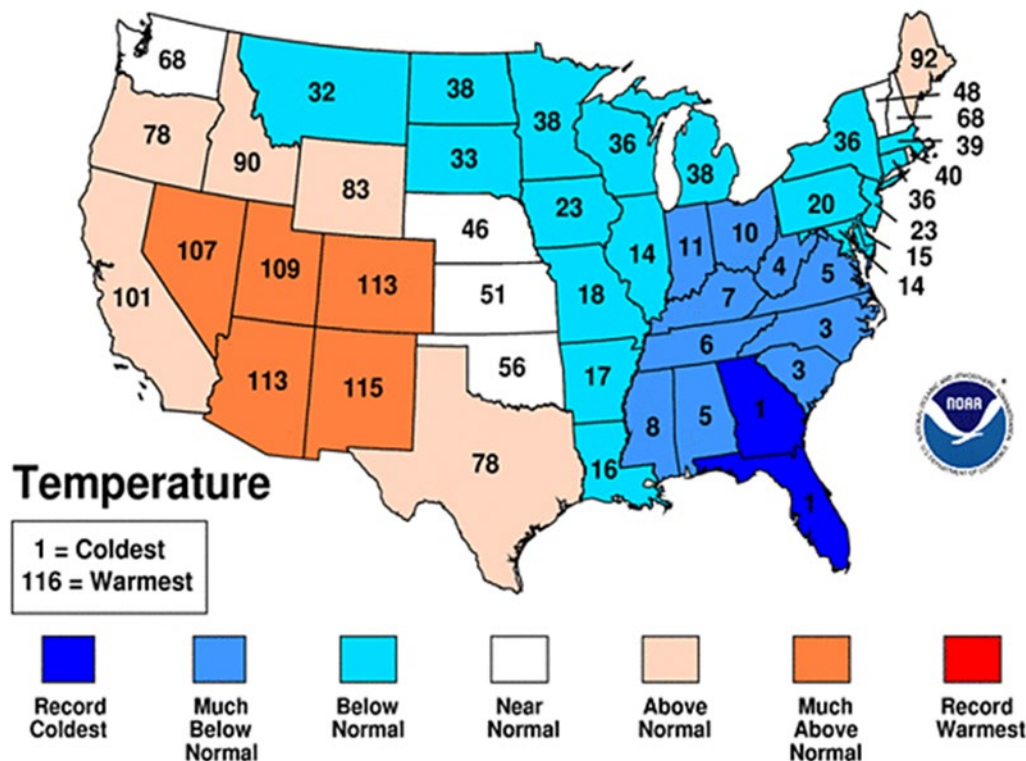
FY 2020 Budget and Historical AR Winter Peaks

Month	Budget Peak Load (MW)	All-Time Peak Load (MW)	Supply Capacity (MW)	Year
Dec-20	208	233	395	2010
Jan-21	218	253	395	2014
Feb-21	214	260	395	2015

December 2010 Weather Actuals

December 2010 Statewide Ranks

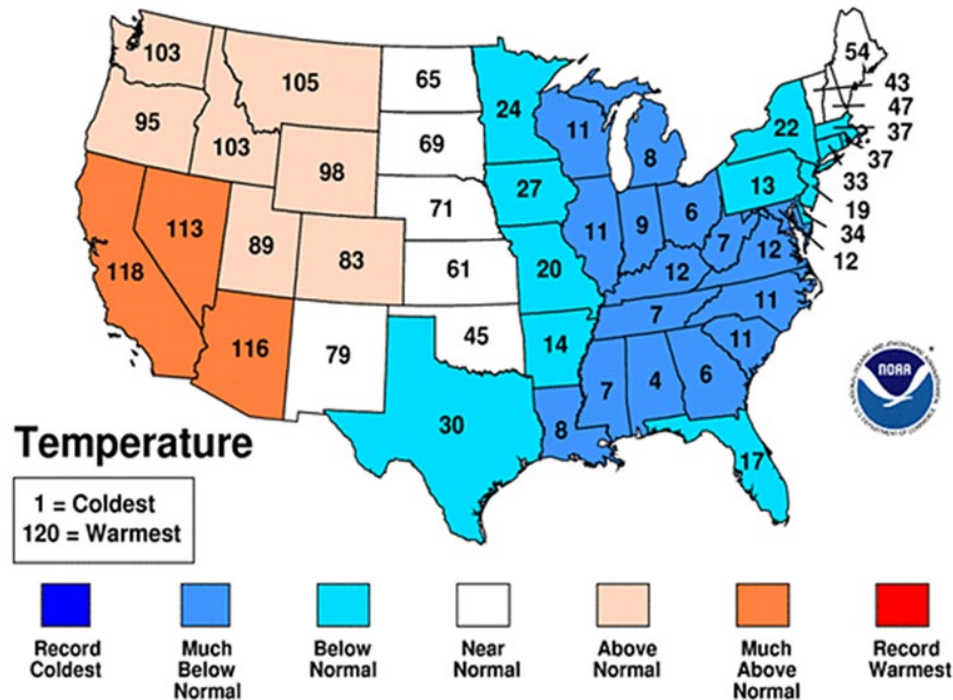
National Climatic Data Center/NESDIS/NOAA



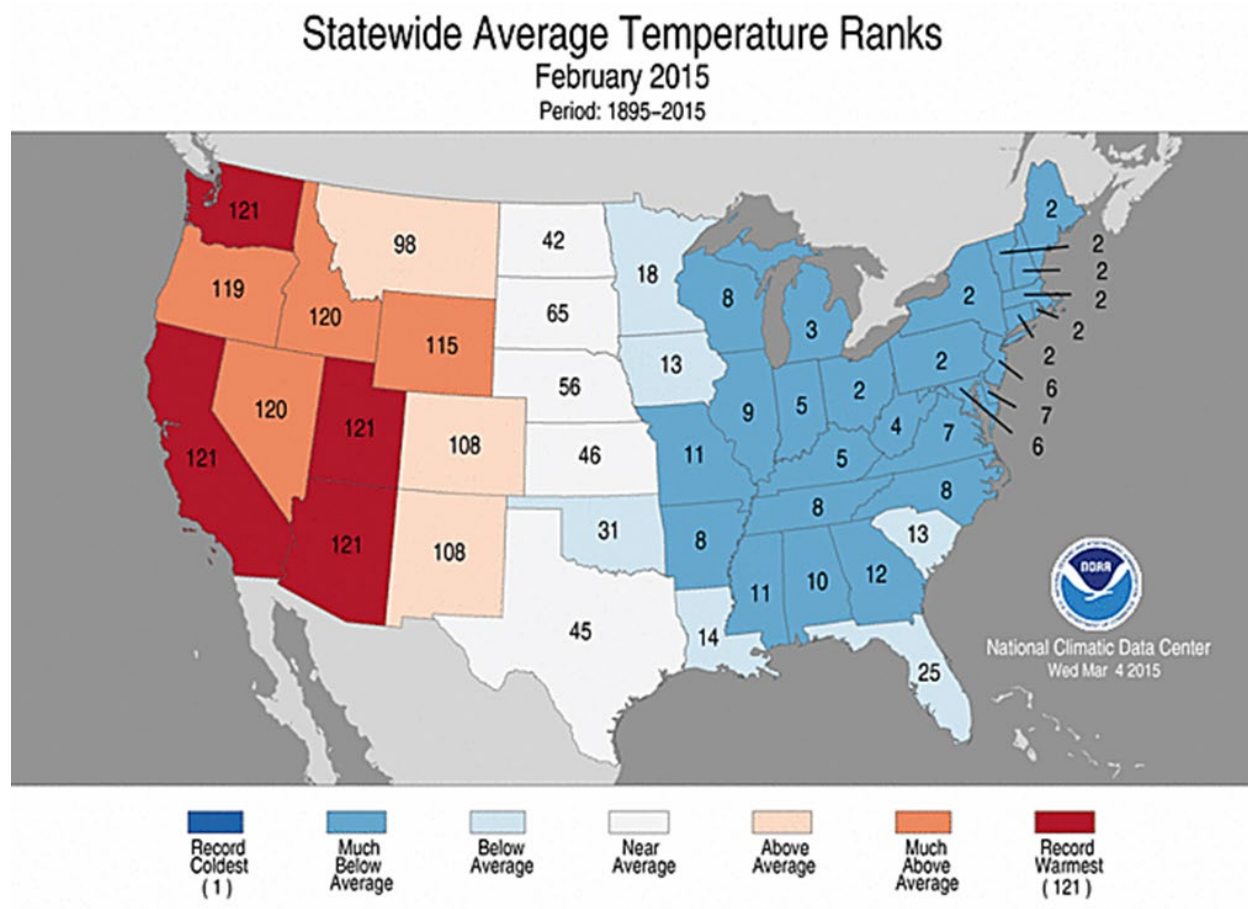
January 2014 Weather Actuals

January 2014 Statewide Ranks

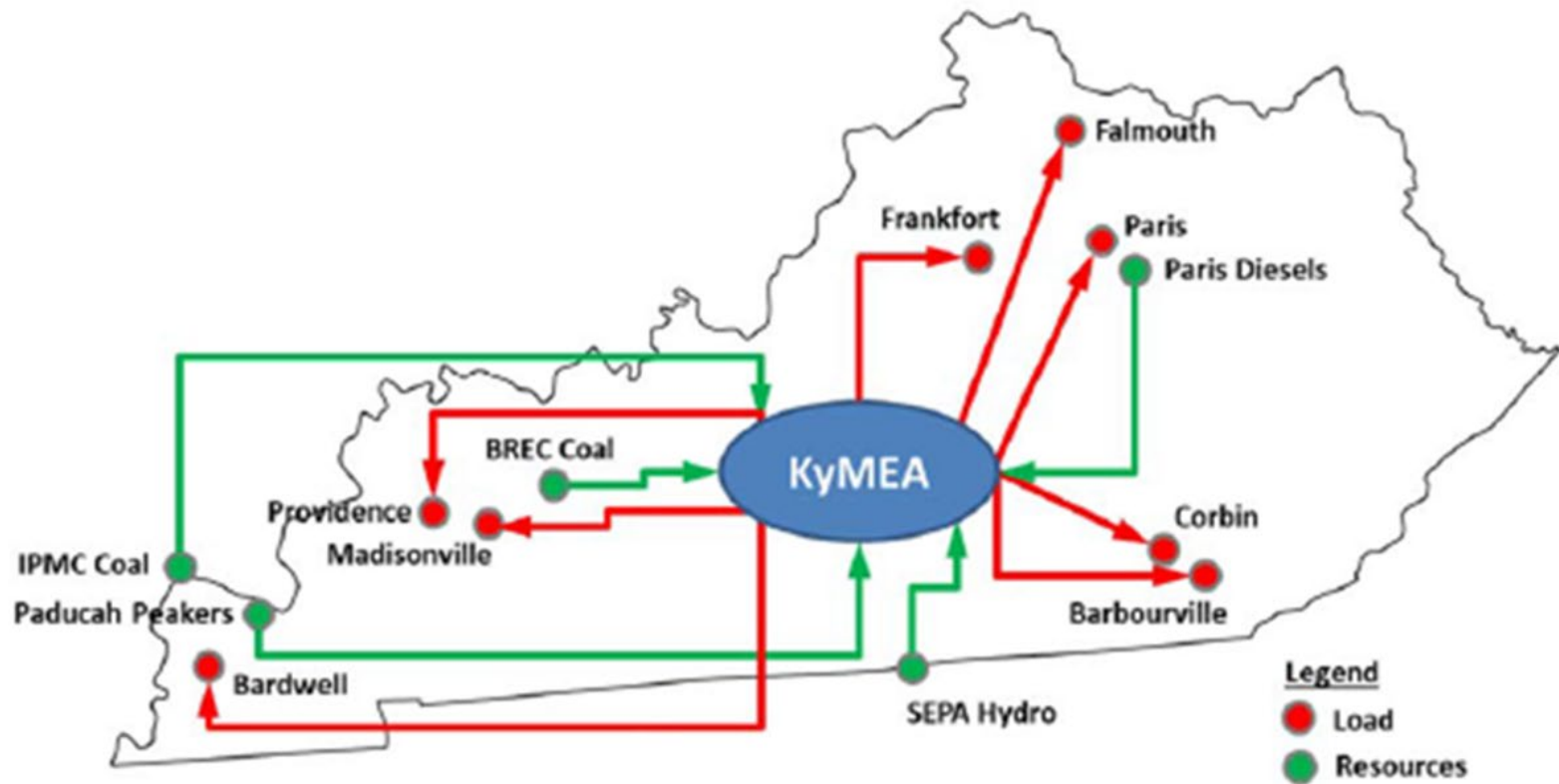
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February 2015 Weather Actuals



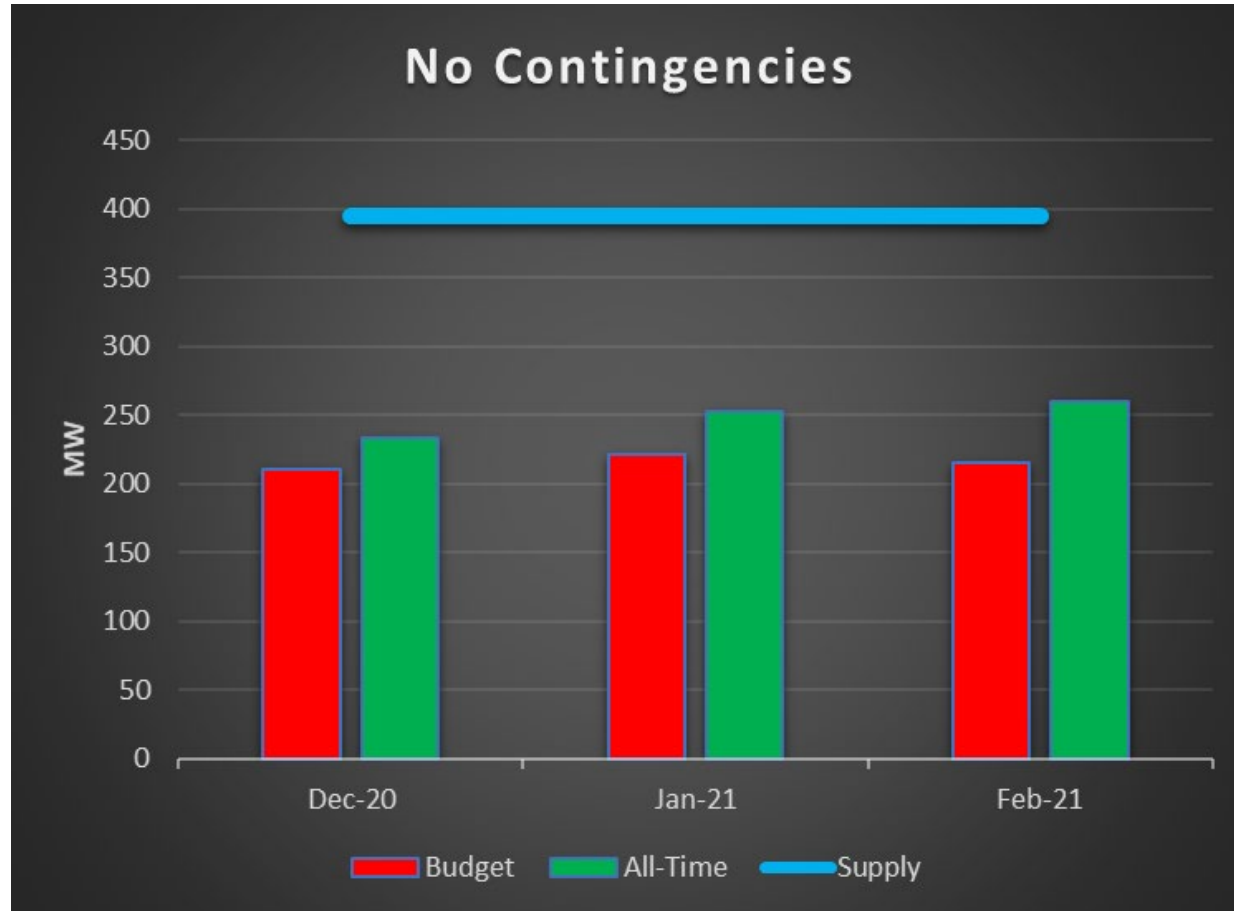
FY 2021 Capacity and Transmission Portfolio



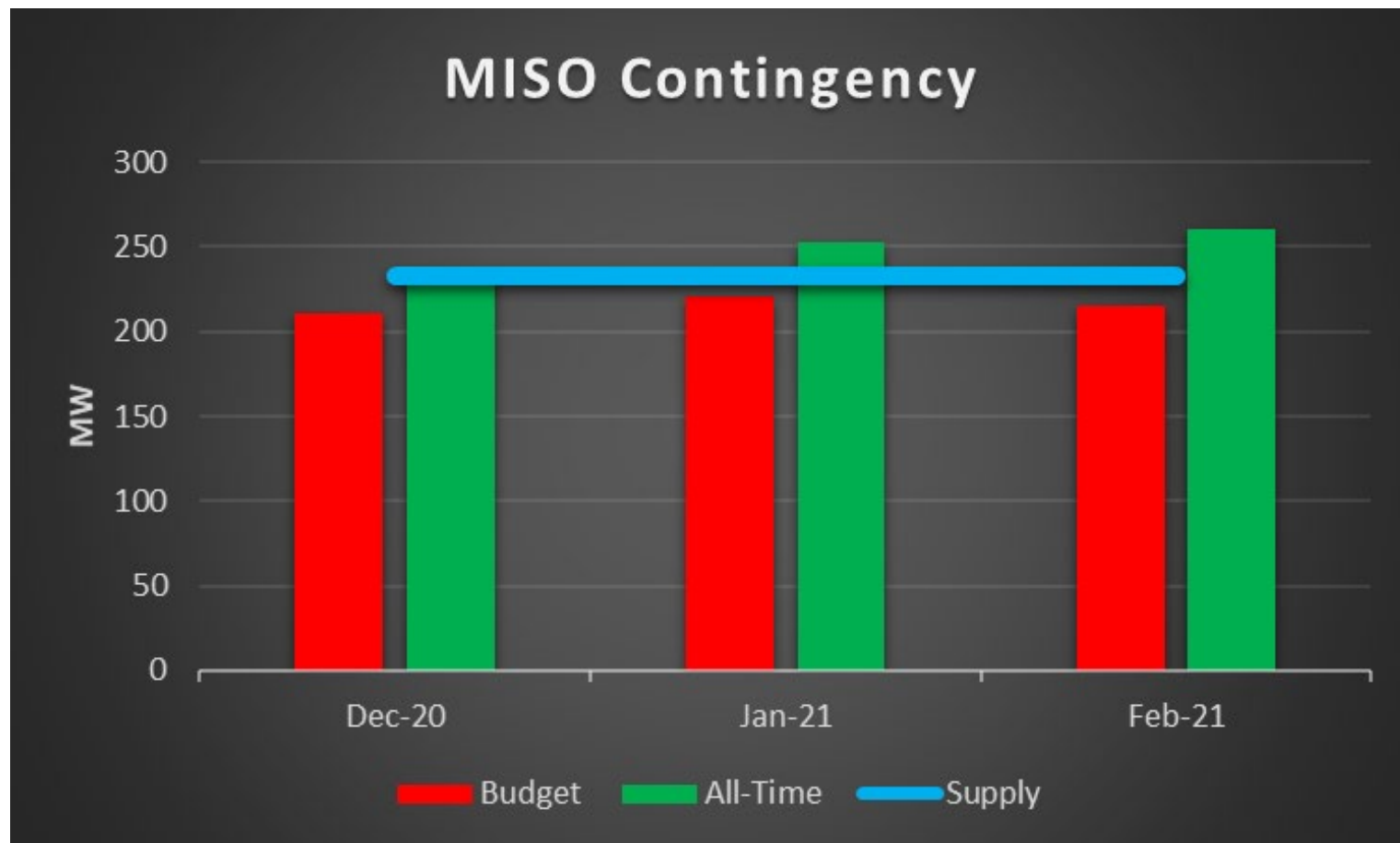
FY 2021 Capacity and Transmission Portfolio

Resource	Availability	Volume (MW)	Firm Transmission (MW)
BREC PPA	100%	100	100
IPMC	96%	100	100
PPS	95%	90	90
BREC Option	N/A	100	62
Paris		10.088	11
SEPA		32	32

No Contingency



MISO Contingency



EEl Contingency

