



# **KYMEA President & CEO Report**

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October 21, 2020



#### IRP Focus Group Feedback

- KYMEA Market Access
- MISO Capacity Market
- KYMEA Energy Mix/Competitive Portfolio
- APPA Communications Awards
- COVID-19 Disconnections

## IRP FOCUS GROUP FEEDBACK



To encourage public participation in the development of its IRP, KYMEA held two Community Focus Group Sessions (June 24 and September 2).

#### **Community Feedback Report**

- 1. Apogee Climate & Energy Transitions (Apogee) contracted Synapse Energy Economics (Synapse) to prepare a report regarding the KYMEA IRP Community Focus Group Sessions (September 30).
- 2. Apogee distributed the Synapse report to the governing bodies of the KYMEA members (October 7).

KYMEA welcomes the Apogee/Synapse participation in the IRP process, but we are concerned that certain elements of the Synapse Memorandum may contribute to public confusion and promote unrealistically rosy expectations, due to some fundamentally mistaken assumptions about KYMEA's market position and the resource alternatives available to it.

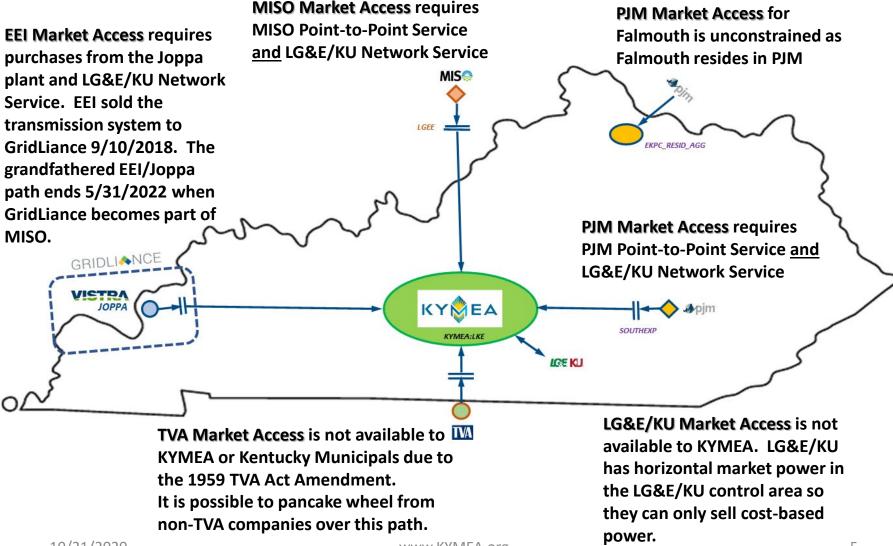
KYMEA offered some clarifying facts and explanations (October 12).



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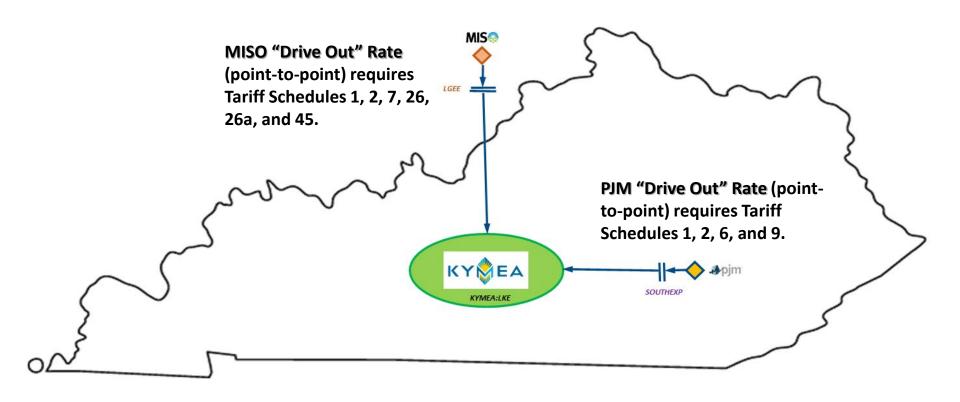
### KYMEA Market Access





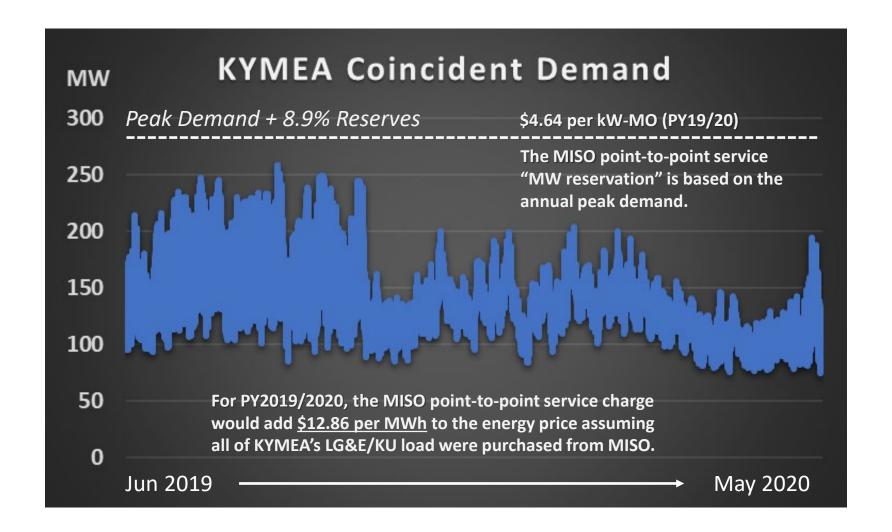
## Point-to-Point Tariff





## MISO Point-to-Point Price







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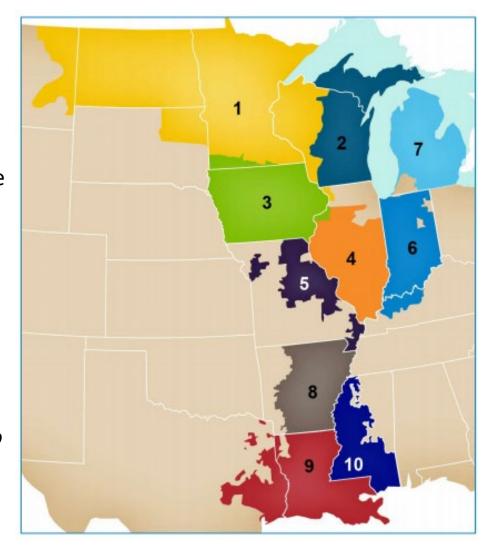
## MISO PRA



MISO holds a voluntary annual capacity auction called a Planning Resource Auction (PRA).

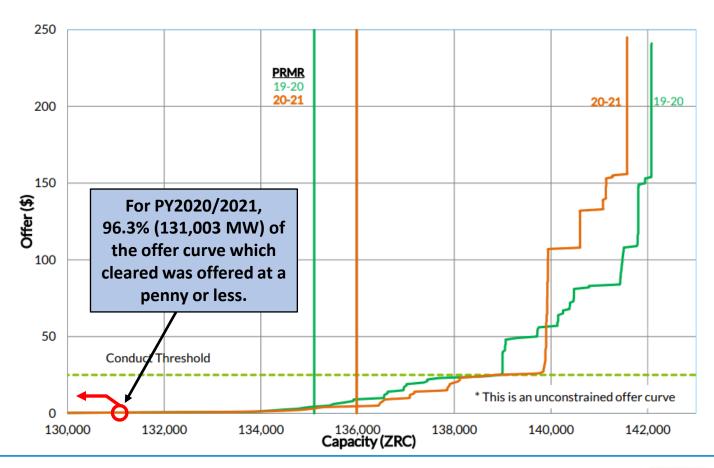
The PRA provides a way for MISO Market Participants to meet resource adequacy requirements. The PRA's location-specific approach encourages resources to take part in the zones where they provide the most benefit.

BREC PPA: KYMEA has 100 MW in MISO Zone 6 which we remove from the MISO Auction and direct to our load in LG&E/KU.



## MISO PRA Offer Curve





04/14/2020: MISO Planning Resource Auction (PRA) for Planning Year 2020-2021 Results Posting



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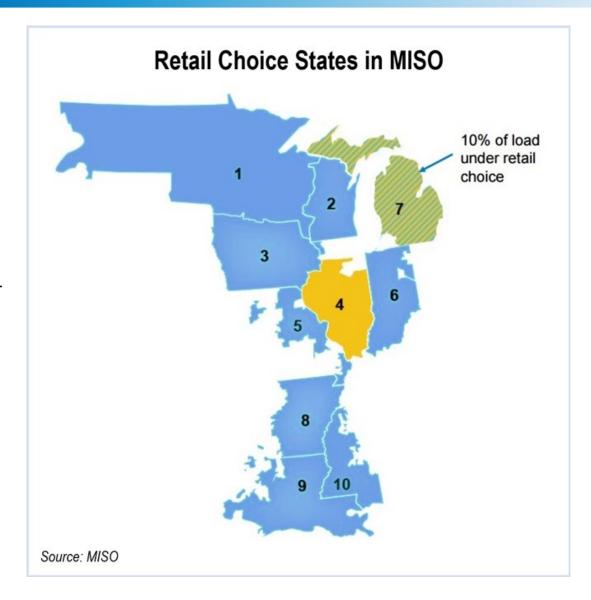
## MISO Bid Behavior



The reason the majority of MISO market participants (MP) offer at a penny or less is because most of MISO States <u>are not</u> retail choice states.

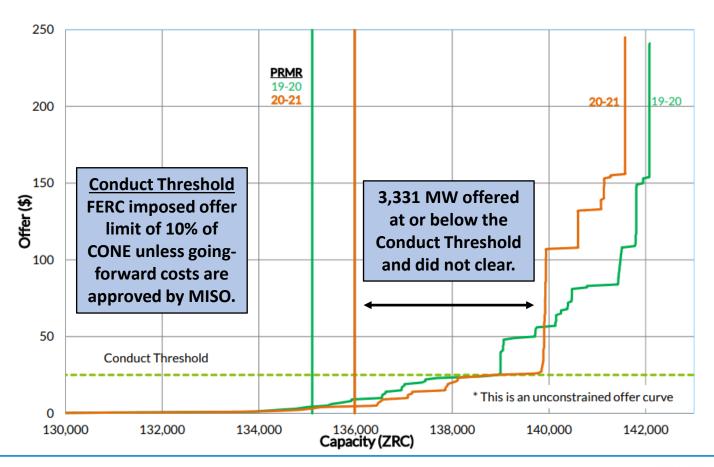
The MPs are largely verticallyintegrated utilities with <u>both</u> supply and demand.

The vertically-integrated MP is highly motivated to ensure their supply clears in the auction since their load must purchase from the auction.



## MISO PRA Offer Curve





6 04/14/2020: MISO Planning Resource Auction (PRA) for Planning Year 2020-2021 Results Posting



# MISO Capacity Balance

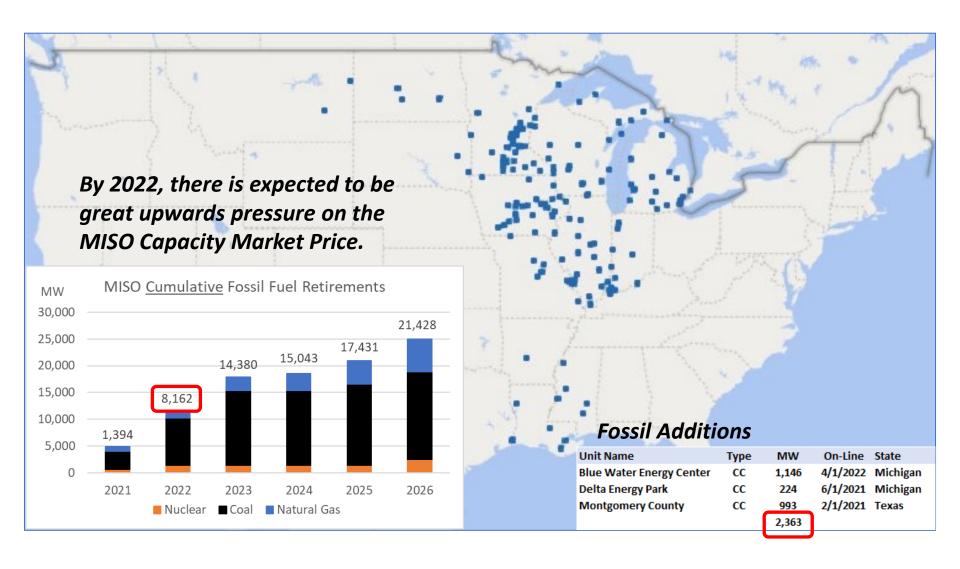


#### Supply Offered & Cleared

		5,294 MW Uncleared					
	Offered (ZRC)						
Planning Resource	2018-19	2019-20	2020-21	2018-19	2019-20	2020-21	
Generation	126,159	125,290	125,341	120,855	119,779	120,143	
External Resources	3,903	4,402	3,832	3,089	3,183	3,736	
Behind the Meter Generation	4,176	4,202	3,997	4,098	4,097	3,892	
Demand Resources	7,370	7,876	7,754	6,964	7,372	7,557	
Energy Efficiency	173	312	650	173	312	650	
Total	141,781	142,082	141,574	135,179	134,743	135,979	

## MISO Fossil Retirements/Additions KY PEA





## MISO Capacity Market Design

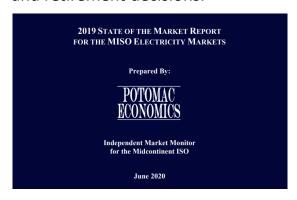


#### **Excerpt from IMM Report**

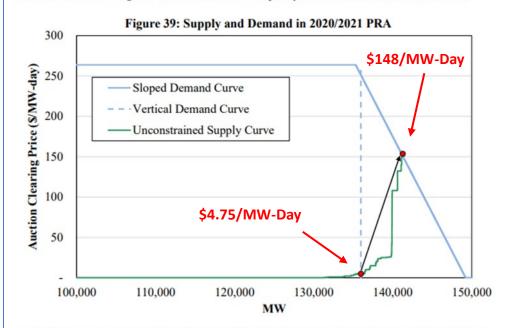
#### **PRA Demand Curve**

"The demand for capacity in the PRA continues to poorly reflect the true reliability value of capacity and undermines the market's ability to provide efficient economic signals."

"We have sought to address this flaw by recommending that MISO implement a sloped demand curve. A sloped demand curve would produce more stable and predictable pricing, which would increase the capacity market's effectiveness in providing incentives to govern investment and retirement decisions."



In the 2020/2021 MISO PRA, Zones 1 through 6 and 8 through 10 cleared at clearing prices between \$4.75 per MW-day and \$6.88 per MW-day. These prices are close to zero, reflecting less than 3 percent of the CONE for investing in a combustion turbine in the Midwest. Zone 7 was short of the local clearing requirement and cleared at the \$257.53 per MW-day price cap set at the CONE in that region. Almost 136 GW of capacity cleared in the 2020/2021 auction.<sup>39</sup>



In our sloped-demand-curve simulation, we found that more than 141 GW of capacity cleared, while 431 MW of offered capacity would not have cleared. Auction clearing prices by zone would have been:

- \$148 per MW-day in Zones 1 through 6, 8, and 10, and for all external zones;
- \$155 per MW-day in Zone 9; and
- \$270 per MW-day in Zone 7, which is 5 percent higher than CONE.



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## KYMEA Energy Mix



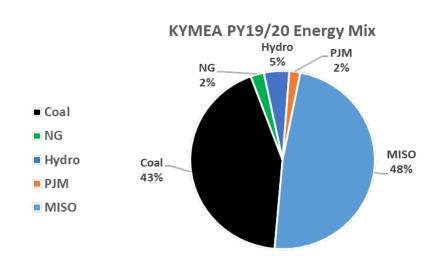
#### **KYMEA Energy Mix**

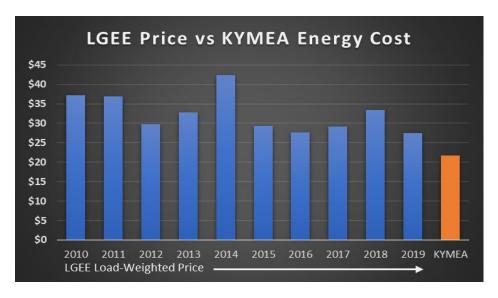
As Illustrated by the chart to the right, KYMEA purchased half of its energy needs from MISO/PJM in PY19/20.

#### **KYMEA Energy Cost**

KYMEA's energy cost in \$/MWh (PY19/20) is lower than the LGEE interface price for each of the previous 10 years.

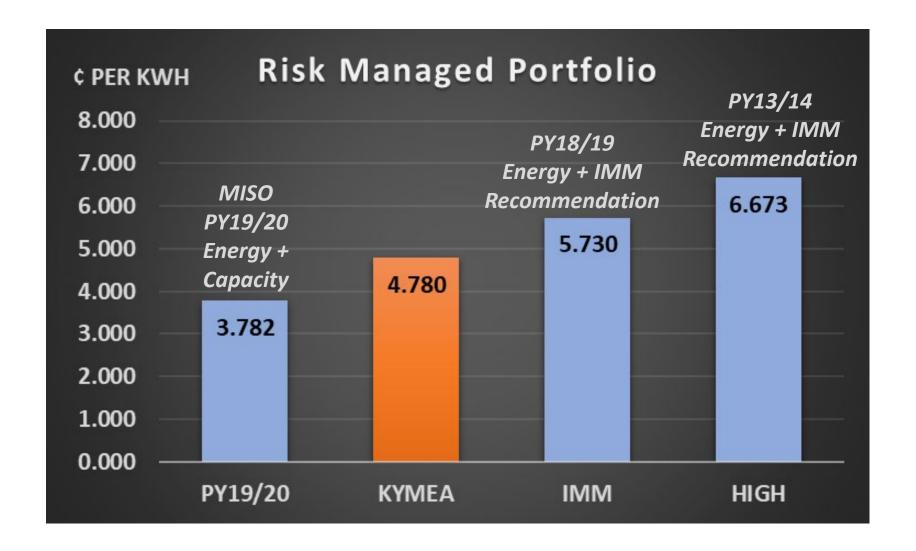
For every dollar per MWh increase in energy cost, KYMEA has \$1.3 million in added expense. The KYMEA PPAs cap our exposure to high market prices while allowing KYMEA to take advantage of low market price opportunities when they present themselves.





#### KYMEA Competitive/Risk Managed Portfolio KY \$\begin{array}{c} \text{EA} \end{array}





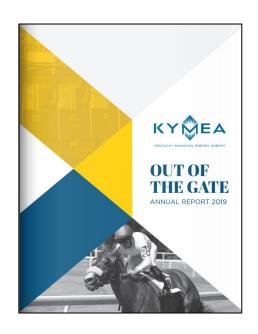


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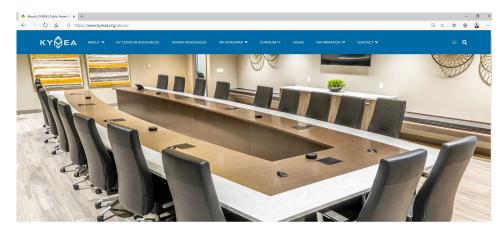
## **APPA Communications Awards**



KYMEA is pleased to report that the 2019
Annual Report won the Excellence in Public
Power Communications and Individual
Achievements Award. This is the second
year in a row the agency has won this
prestigious award.



Equally exciting is KYMEA won the Merit in Public Power Communications Media Award for its Website.





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## **COVID-19 Disconnections**



On October 6, 2020 KYMEA sent a letter to Governor Beshear for consideration to lift and remand Directive #6 of the Governor's Executive Order 2020-323 (May 8, 2020) on behalf of the KYMEA member communities.

#### Governor Beshear's New Executive Order Dated October 19, 2020

- 1. Suspension of disconnects for nonpayment rescinded effective November 6, 2020.
- 2. Continue to waive assessment of late payment fees for residential customers through December 31, 2020.
- 3. By November 6, 2020, create payment plan for all affected residential customers.
- 4. Make reasonable efforts to contact affected residential customers on ways to pay, details of payment plan, sources of potential assistance.