

## Analysis of Responses to KyMEA's September 2015 RFP

DRAFT of 7/12/2016

									<i>Key to Symbols: Pos=Positive, Neg=Negative, ND=Not Determinative - would not change the Conclusion column, A= more Advantageous to KyMEA than other proposals, NA=Not Applicable</i>		
Row No.	Analysis Reference		Basic Proposal Information						Rankings within Analysis Category Relative to Other Proposals		
	Proposer	Proposal	Analysis Category	Product	Upper Capacity Limit	Basis for Energy Entitlement/ Obligation	Delivery Point	Years	Cost Ranking Group	Qualitative Ranking Synopsis	Conclusion
					MW						
Base Load 10 Year Options											
1	LD Provider 1	Option 1	Base Load	LD Energy Only	50	7x24	MISO	10.1	3	ND	-
2	Coal Provider 5	NA	Base Load	Coal	100	Proportionate to Capacity	MISO	10.1	3	ND	-
3	Coal Provider 1 (BREC)	NA	Base Load	Coal	150	Proportionate to Capacity	MISO	10.1	1	Pos	A
4	Coal Provider 2	Option 1	Base Load	Coal	167	Proportionate to Capacity	MISO	10.0	2	ND	-
5	Coal Provider 2	Option 2	Base Load	Coal	167	Proportionate to Capacity	Yr. 1-3 LGE/KU, then MISO	10.0	1	ND	-
6	Coal Provider 4	NA	Base Load	Coal	41	Proportionate to Capacity	MISO	10.0	3	ND	-
7	Coal Provider 3	Option 2	Base Load	Coal	50	Proportionate to capacity, subject to first call	LGE/KU	10.0	3	ND	-
8	LD Provider 2	NA	Base Load	LD Energy Only	200	7x24	MISO Indiana Hub	9.7	3	ND	-
9	Combined Cycle Provider 1 (HenderSun)	NA	Base Load	NG CC	100	Proportionate to Capacity	MISO	10.0	1	Pos	A

# Analysis of Responses to KyMEA's September 2015 RFP

DRAFT of 7/12/2016

									Key to Symbols: Pos=Positive, Neg=Negative, ND=Not Determinative - would not change the Conclusion column, A= more Advantageous to KyMEA than other proposals, NA=Not Applicable		
Row No.	Analysis Reference		Basic Proposal Information						Rankings within Analysis Category Relative to Other Proposals		
	Proposer	Proposal	Analysis Category	Product	Upper Capacity Limit	Basis for Energy Entitlement/ Obligation	Delivery Point	Years	Cost Ranking Group	Qualitative Ranking Synopsis	Conclusion
					MW						
Base Load 3-5 Year Options											
10	LD Provider 1	Option 3	Base Load	LD Energy Only	50	7x24	MISO Indiana Hub	5.1	3	ND	-
11	LD Provider 4	Option 2 Variations	Base Load	LD Energy Only	100	7x24	MISO Indiana Hub	5.0	3	ND	-
12	LD Provider 4	Option 2 Variations	Base Load	LD Energy Only	100	7x24	PJM AEP Dayton Hub	5.0	3	ND	-
13	LD Provider 4	Option 2 Variations	Base Load	LD Energy Only	100	7x24	Seller's Option: MISO-PJM-LGEE	5.0	3	ND	-
14	LD Provider 3	Option 2	Base Load	LD Energy Only	50	7x24	MISO Indiana Hub	4.7	2	ND	-
15	LD Provider 1	Option 2	Base Load	LD Energy Only	50	7x24	MISO Indiana Hub	3.1	3	ND	-
16	Coal Provider 2 (Dynergy)	Option 3	Base Load	Coal	100	Proportionate to Capacity	LGE/KU	3.0	1	Pos	A
17	Coal Provider 6	NA	Base Load	Coal	50	Proportionate to Capacity, limited to service of KyMEA load	LGE/KU	3.0	3	ND	-

## Analysis of Responses to KyMEA's September 2015 RFP

DRAFT of 7/12/2016

									<i>Key to Symbols: Pos=Positive, Neg=Negative, ND=Not Determinative - would not change the Conclusion column, A= more Advantageous to KyMEA than other proposals, NA=Not Applicable</i>		
Row No.	Analysis Reference		Basic Proposal Information						Rankings within Analysis Category Relative to Other Proposals		
	Proposer	Proposal	Analysis Category	Product	Upper Capacity Limit	Basis for Energy Entitlement/ Obligation	Delivery Point	Years	Cost Ranking Group	Qualitative Ranking Synopsis	Conclusion
					MW						
Intermediate Load 3-10 Year Options											
18	Combined Cycle Provider 1 (HenderSun)	NA	Intermediate Load	NG CC	450	Proportionate to Capacity	MISO	10.0	1	Pos	A
19	LD Provider 4	Option 1 Variations	Intermediate Load	LD Energy Only	100	5x16	MISO Indiana Hub	5.0	3	ND	-
20	LD Provider 4	Option 1 Variations	Intermediate Load	LD Energy Only	100	5x16	PJM AEP Dayton Hub	5.0	3	ND	-
21	LD Provider 3	Option 1	Intermediate Load	LD Energy Only	50	5x16	MISO Indiana Hub	4.7	2	ND	-

## Analysis of Responses to KyMEA's September 2015 RFP

[illegible]

# Analysis of Responses to KyMEA's September 2015 RFP

DRAFT of 7/12/2016

			Summary of Qualitative Assessments															
Row No.	Analysis Reference		Uncertainties Regarding the Absolute and Relative Cost of the Resource					Flexibility			Performance and Availability		Transmission Arrangments		Certainty of Term	Seller's Credit Standing	Location	
	Proposer	Proposal	Capacity Cost Certainty - Absolute	Energy Cost Certainty - Absolute	Relative CPP Cost Exposure	Fuel Price Uncertainty - Relative to Uncertainty that Impacts KU	Market Congestion, Loss Exposure/ Uncertainty	Schedul- ing	Option to Adjust Capacity Amount after PPA Execution	PPA Extension Rights	Historical	Guaran- tees	MISO PTP Needed?	Special LGE/KU Issues?			Consider- ations Other than Del. Related	
			Key to Symbols: Pos=Positive, Neg=Negative, NA=Not Addressed in Proposal or Not Applicable, NE=Not Evaluated, ND=Not Determinative, Norm=Normal for Resource Type, Sim=Similar to KU, TBD=Uncertain at the time															
Base Load 10 Year Options																		
1	LD Provider 1	Option 1	Neg	Pos	TBD	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
2	Coal Provider 5	NA	Pos	Norm	Neg	Neg	Neg (High)	TBD	ND	ND	Neg	TBD	Neg (Needed)	ND	Pos	Pos	ND	
3	Coal Provider 1 (BREC)	NA	Pos	Norm	Pos	Pos (Sim)	Neg (Low)	Pos	Pos	Pos	Pos	Pos	Neg (Needed)	ND	Pos	Neg	ND	
4	Coal Provider 2	Option 1	Pos	Norm	Neg	Neg	Neg (High)	Pos	--	None	Pos	Pos	Neg (Needed)	ND	Pos	Neg	ND	
5	Coal Provider 2	Option 2	Pos	Norm	Neg	Neg	Pos (None) 1st 3 Yrs, then Neg (High)	Pos	--	None	Pos	Pos	Neg (Needed)	ND	Pos	Neg	ND	
6	Coal Provider 4	NA	Pos	Norm	Neg	Neg	Neg (High)	ND	Pos	Pos	Neg	Pos	Neg (Needed)	ND	Pos	NE	ND	
7	Coal Provider 3	Option 2	Neg	Norm	Neg	Pos (Sim)	Pos (None)	Pos	--	None	Neg	Neg	Pos (Not Needed) (Not Needed)	ND	Neg (Life of Unit Uncertain)	Pos	ND	
8	LD Provider 2	NA	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
9	Combined Cycle Provider 1 (HenderSun)	NA	Pos	Norm	Pos	Pos (Sim)	Neg (Low for CC, Med for DF)	TBD	TBD	TBD Proposed 10-20 Year Term	NA	Pos	Neg (Needed)	ND	Neg (Proposed Project, Start Date Uncertain)	NE	ND	

# Analysis of Responses to KyMEA's September 2015 RFP

DRAFT of 7/12/2016

			Summary of Qualitative Assessments															
Row No.	Analysis Reference		Uncertainties Regarding the Absolute and Relative Cost of the Resource					Flexibility			Performance and Availability		Transmission Arrangments		Certainty of Term	Seller's Credit Standing	Location	
	Proposer	Proposal	Capacity Cost Certainty - Absolute	Energy Cost Certainty - Absolute	Relative CPP Cost Exposure	Fuel Price Uncertainty - Relative to Uncertainty that Impacts KU	Market Congestion, Loss Exposure/ Uncertainty	Schedul- ing	Option to Adjust Capacity Amount after PPA Execution	PPA Extension Rights	Historical	Guaran- tees	MISO PTP Needed?	Special LGE/KU Issues?			Consider- ations Other than Del. Related	
			Key to Symbols: Pos=Positive, Neg=Negative, NA=Not Addressed in Proposal or Not Applicable, NE=Not Evaluated, ND=Not Determinative, Norm=Normal for Resource Type, Sim=Similar to KU, TBD=Uncertain at this time															
Base Load 3-5 Year Options																		
10	LD Provider 1	Option 3	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
11	LD Provider 4	Option 2 Variations	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
12	LD Provider 4	Option 2 Variations	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
13	LD Provider 4	Option 2 Variations	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
14	LD Provider 3	Option 2	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
15	LD Provider 1	Option 2	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND	
16	Coal Provider 2 (Dynegy)	Option 3	Pos	Norm	POS (None)	Neg	Pos (None)	Pos	Pos	None	Pos	Pos	Pos (Not Needed)	ND	Pos	Neg	ND	
17	Coal Provider 6	NA	Pos	Norm	NE	Pos (Sim)	Pos (None)	TBD	ND	ND	Pos	TBD	Pos (Not Needed)	ND	Pos	Pos	ND	

# Analysis of Responses to KyMEA's September 2015 RFP

DRAFT of 7/12/2016

			Summary of Qualitative Assessments														
Row No.	Analysis Reference		Uncertainties Regarding the Absolute and Relative Cost of the Resource					Flexibility			Performance and Availability		Transmission Arrangments		Certainty of Term	Seller's Credit Standing	Location
	Proposer	Proposal	Capacity Cost Certainty - Absolute	Energy Cost Certainty - Absolute	Relative CPP Cost Exposure	Fuel Price Uncertainty - Relative to Uncertainty that Impacts KU	Market Congestion, Loss Exposure/ Uncertainty	Scheduling	Option to Adjust Capacity Amount after PPA Execution	PPA Extension Rights	Historical	Guarantees	MISO PTP Needed?	Special LGE/KU Issues?			Considerations Other than Del. Related
			<b>Key to Symbols:</b> Pos=Positive, Neg=Negative, NA=Not Addressed in Proposal or Not Applicable, NE=Not Evaluated, ND=Not Determinative, Norm=Normal for Resource Type, Sim=Similar to KU, TBD=Uncertain at this time														
Intermediate Load 3-10 Year Options																	
18	Combined Cycle Provider 1 (HenderSun)	NA	Pos	Norm	Pos	Pos (Sim)	Neg (Low for CC, Med for DF)	TBD	Pos	Pos	NA	Pos	Neg (Needed)	ND	Neg (Start Date Uncertain)	NE	ND
19	LD Provider 4	Option 1 Variations	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND
20	LD Provider 4	Option 1 Variations	Neg	Pos	NE	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND
21	LD Provider 3	Option 1	Neg	Pos	TBD	Neg	Neg (Low)	Neg	None	None	NA	LD Cost to Cover	Neg (Needed)	ND	Pos	NE	ND

			Summary of Qualitative Assessments														
Row No.	Analysis Reference		Uncertainties Regarding the Absolute and Relative Cost of the Resource					Flexibility			Performance and Availability		Transmission Arrangments		Certainty of Term	Seller's Credit Standing	Location
	Proposer	Proposal	Capacity Cost Certainty - Absolute	Energy Cost Certainty - Absolute	Relative CPP Cost Exposure	Fuel Price Uncertainty - Relative to Uncertainty that Impacts KU	Market Congestion, Loss Exposure/ Uncertainty	Scheduling	Option to Adjust Capacity Amount after PPA Execution	PPA Extension Rights	Historical	Guarantees	MISO PTP Needed?	Special LGE/KU Issues?			Considerations Other than Del. Related
			Key to Symbols: Pos=Positive, Neg=Negative, NA=Not Addressed in Proposal or Not Applicable, NE=Not Evaluated, ND=Not Determinative, Norm=Normal for Resource Type, Sim=Similar to KU, TBD=Uncertain at the time														
Portfolio - 3 to 10 Year Options																	
22	Portfolio A (BREC, Dynegy, HenderSun, SEPA, Peaking, Paris Diesels)		Pos	Pos	Pos	Pos (Sim)	Neg (Low)	Pos	Pos	Pos	Pos	Pos	Neg (Needed)	ND	Pos	Neg	ND
23	Portfolio B (Coal Provider 3-Option 1, HenderSun, SEPA, Peaking, Paris Diesels)		Neg	Norm	Neg	Pos (Sim)	Neg (Low)	Pos	--	--	Neg	Neg	Neg (Needed)	ND	Neg	Pos	ND
24	Portfolio C - (LD Energy, Firming Capacity, SEPA, Paris Diesels)		Neg	Pos	TBD	Neg	Neg (Low)	Pos	Pos	None	Pos	Pos	Neg (Needed, for 90% of load)	ND	Pos	Pos	ND
25	Portfolio D * See note on Page 8.		Neg	Pos	NE	Neg	Neg (Low)	Pos	Pos	None	Pos	Pos	Neg (Needed)	ND	Pos	Pos	ND
26	Portfolio E * See note on Page 8.		Neg	Norm	Norm	Pos (Sim)	ND	Pos	--	None	Pos	Pos	ND	ND	Pos	Pos	ND
			* These portfolio options are only for the first 3 years and in the case of the Portfolio E proposal, only for approximately 1/3rd of KyMEA's load. As a result, these options would place KyMEA back into the market in 3 years for all or a substantial portion of its load. In addition, under the Portfolio E proposal, KyMEA would need other resources to supply the other 2/3rds of its load. Structuring a portfolio to serve less load would reduce the attractive opportunities available to KyMEA.														