

Wind and Solar projects from 2011 Resource Assessment

Pricing Information

<u>Technology</u>	<u>Seller</u>	<u>Description</u>	<u>Transmission Interconnection Point (TIP)</u>	<u>TIP</u>	<u>Capacity (MW)</u>	<u>Start Date</u>	<u>Term (Years)</u>	<u>Sale Price (\$)</u>	<u>Cap. Price Quote</u>
									<u>Year</u>
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	AEP: Dequine-Olive	PJM	40	1/1/2014	5		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	AEP: Dequine-Olive	PJM	40	1/1/2014	10		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	AEP: Dequine-Olive	PJM	40	1/1/2014	15		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	AEP: Dequine-Olive	PJM	100	1/1/2014	5		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	AEP: Dequine-Olive	PJM	100	1/1/2014	10		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	AEP: Dequine-Olive	PJM	100	1/1/2014	15		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ATC Hillman-Darlington	MISO	99	1/1/2014	5		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ATC Hillman-Darlington	MISO	99	1/1/2014	10		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ATC Hillman-Darlington	MISO	99	1/1/2014	15		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ATC Hillman-Darlington	MISO	99	1/1/2014	20		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ITC Midwest	MISO	101	1/1/2014	5		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ITC Midwest	MISO	101	1/1/2014	10		2014
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	ITC Midwest	MISO	101	1/1/2014	15		2014
Wind	Invenergy	Wind - PPA c MISO (100 - 200 MW)	MISO/LGE interface	MISO	200	1/1/2013	20		2013
Wind	Invenergy	Wind - PPA c PJM (100 - 180 MW)	PJM/LGE interface	PJM	180	1/1/2013	20		2013
Wind	NextEra Energy	Wind - PPA in Mason/Bracken Cnty KY c LGEE	LGE-KU	LGE	100	1/1/2013	25		2013
Solar	Solar Energy Dev.	Solar - Sale c EKPC or LGEE	LGE-KU	EKPC	1	1/1/2016	50	4,100,000	2016

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<u>Technology</u>	<u>Seller</u>	<u>Description</u>	<u>Production Cost</u>		<u>Other Costs</u>			<u>Reason for not participating</u>	
			<u>Energy Price (\$/MWh)</u>	<u>Price Escalation</u>	<u>a. Var O&M (\$/MWh)</u>	<u>VOM Esc</u>	<u>Transmission (\$/MW-yr)</u>		<u>Fixed O&M (\$/MW-yr)</u>
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$67				400		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$79				400		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$86				400		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$81				400		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$95				400		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$100				400		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$78				680		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$78				680		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$78				680		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$78				680		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$79				680		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$85				680		Uneconomical
Wind	Horizon	Wind - PPA (Fixed Schedule) c PJM	\$88				680		Uneconomical
Wind	Invenergy	Wind - PPA c MISO (100 - 200 MW)	\$46	2.25%			34,000		Uneconomical
Wind	Invenergy	Wind - PPA c PJM (100 - 180 MW)	\$60	2.25%			20,000		Uneconomical
Wind	NextEra Energy	Wind - PPA in Mason/Bracken Cnty KY c LGEE	\$59.79	2%					Uneconomical
Solar	Solar Energy Dev.	Solar - Sale c EKPC or LGEE					21,000	2.50%	Uneconomical

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										Capital Cost			Fixed Costs (FCs, Expressed as \$/MW at TIP)								
										Per Bid		Additional Costs Incurred by LGE/KU (\$2015)	Per Bid	Additional Costs Incurred by LGE/KU (\$2015)							
										Asset Sale Price (\$M)	Year Asset Sale Option Exercised	LGE/KU XM Capital Cost (\$M)	FC #1 (\$/MW-yr)	FC #1 Escalation	FC #2 (\$/MW-yr)	FC #2 Escalation	FC #2 Schedule (\$/MW-year)	LGE/KU Fixed XM Cost (\$/MW-yr)	LGE/KU Firm Gas Transport (\$/MW-yr)	Other LGE/KU Fixed O&M (\$/MW-yr)	Fixed Cost Escalator
Counterparty	Technology	Description	Asset Location	XM Interconnect Point (TIP)	Contract Start Date	Term (Years)	Capacity @ TIP (MW)	XM Losses	Base Year for Quote												
Solar Energy Solutions	Solar (PV Array)	Asset Sale, 1-5 MW	LGE/KU Service Territory	LGE/KU System	1/1/2016	20.0	5	0.0%	2015	14.6										10,185	2.00%
EDP Renewables	Wind (Firm, RTC Blocks)	15 or 20 yr PPA, 99 MW		MISO/LGE Interface	1/1/2015	15.0	99	0.0%	2015												
EDP Renewables	Wind (Firm, RTC Blocks)	15 yr PPA, 151.2 MW		MISO/LGE Interface	1/1/2016	15.0	151	0.0%	2016												
EDP Renewables	Wind (As Available)	20 yr PPA, 100 MW	LGE/KU Service Territory	LGE/KU System	1/1/2016	20.0	100	0.0%	2016												
LGE/KU	Solar (PV Array)	Self-Build, 10 MW	Site TBD	Site TBD	1/1/2016	20.0	10	0.0%	2015	46.3										10,185	2.00%

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Fuel/Energy Costs						Variable Costs											
Counterparty	Technology	Description	Per Bid			Additional Costs Incurred by LGE/KU (\$2015)											
			Unfired Heat Rate @ TIP (Btu/kWh)	Fuel Forecast	Energy Price @ TIP (\$/MWh)	Escalator	Start Cost (\$/Start)	Cost per Hour (\$/Hr)	Fuel per Start (mmBtu or gallons)	Variable O&M (\$/MWh)	Start Cost and VOM Escalator	Schedule (\$/MWh)	Start Cost (\$/Start)	Cost per Hour (\$/Hr)	Fuel per Start (mmBtu)	Variable O&M (\$/MWh)	Start Cost and VOM Escalator
Solar Energy Solutions	Solar (PV Array)	Asset Sale, 1-5 MW															
EDP Renewables	Wind (Firm, RTC Blocks)	15 or 20 yr PPA, 99 MW			50.00	3.00%											
EDP Renewables	Wind (Firm, RTC Blocks)	15 yr PPA, 151.2 MW			50.00	3.00%											
EDP Renewables	Wind (As Available)	20 yr PPA, 100 MW			69.50	0.00%											
LGE/KU	Solar (PV Array)	Self-Build, 10 MW													0.91		2.00%