





BOUNDLESS ENERGY SAM

North Central Wind Energy Facilities

SWEPCO & PSO Regulated Wind Investment Opportunity

July 15, 2019

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995



This presentation contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934. Although AEP and each of its Registrant Subsidiaries believe that their expectations are based on reasonable assumptions, any such statements may be influenced by factors that could cause actual outcomes and results to be materially different from those projected. Among the factors that could cause actual results to differ materially from those in the forward-looking statements are: changes in economic conditions, electric market demand and demographic patterns in AEP service territories, inflationary or deflationary interest rate trends, volatility in the financial markets, particularly developments affecting the availability or cost of capital to finance new capital projects and refinance existing debt, the availability and cost of funds to finance working capital and capital needs, particularly during periods when the time lag between incurring costs and recovery is long and the costs are material, decreased demand for electricity, weather conditions, including storms and drought conditions, and the ability to recover significant storm restoration costs, the cost of fuel and its transportation, the creditworthiness and performance of fuel suppliers and transporters and the cost of storing and disposing of used fuel, including coal ash and spent nuclear fuel, the availability of fuel and necessary generation capacity and performance of generation plants, the ability to recover fuel and other energy costs through regulated or competitive electric rates, the ability to build or acquire renewable generation, transmission lines and facilities (including the ability to obtain any necessary regulatory approvals and permits) when needed at acceptable prices and terms and to recover those costs, new legislation, litigation and government regulation, including oversight of nuclear generation, energy commodity trading and new or heightened requirements for reduced emissions of sulfur, nitrogen, mercury, carbon, soot or particulate matter and other substances that could impact the continued operation, cost recovery and/or profitability of generation plants and related assets, evolving public perception of the risks associated with fuels used before, during and after the generation of electricity, including nuclear fuel, timing and resolution of pending and future rate cases, negotiations and other regulatory decisions, including rate or other recovery of new investments in generation, distribution and transmission service and environmental compliance, resolution of litigation, the ability to constrain operation and maintenance costs, prices and demand for power generated and sold at wholesale, changes in technology, particularly with respect to energy storage and new, developing, alternative or distributed sources of generation, the ability to recover through rates any remaining unrecovered investment in generation units that may be retired before the end of their previously projected useful lives, volatility and changes in markets for coal and other energy-related commodities, particularly changes in the price of natural gas, changes in utility regulation and the allocation of costs within regional transmission organizations, including ERCOT, PJM and SPP, changes in the creditworthiness of the counterparties with contractual arrangements, including participants in the energy trading market, actions of rating agencies, including changes in the ratings of debt, the impact of volatility in the capital markets on the value of the investments held by the pension, other postretirement benefit plans, captive insurance entity and nuclear decommissioning trust and the impact of such volatility on future funding requirements, accounting pronouncements periodically issued by accounting standard-setting bodies, and other risks and unforeseen events, including wars, the effects of terrorism (including increased security costs), embargoes, naturally occurring and human-caused fires, cyber security threats and other catastrophic events.

Investor Relations Contacts

Bette Jo Rozsa

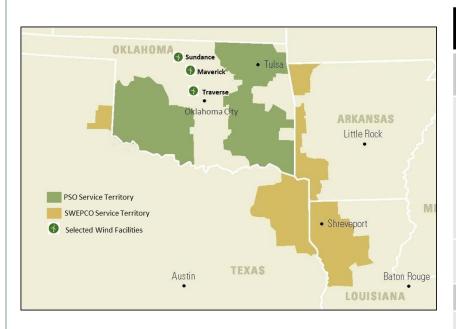
Managing Director Investor Relations 614-716-2840 birozsa@aep.com

Darcy Reese

Director Investor Relations 614-716-2614 dlreese@aep.com

North Central Wind Energy Facilities Transaction Overview





Jurisdiction	MW	% of Project
PSO	675	45.5%
SWEPCO - AR	155	10.4%
SWEPCO - LA	268	18.1%
SWEPCO - TX	309	20.8%
SWEPCO - FERC	78	5.2%
Tota	ıl: 1,485	100%

SWEPCO and PSO Regulated Wind Investment Opportunity				
Total Rate Base Investment	~\$2 billion (1,485 MW)			
North Central Wind Energy Facilities	<u>Name</u>	MW	Investment	<u>In-Service</u>
	Sundance	199	\$307M	EOY 2020 (100% PTC)
	Traverse	999	\$1,287M	EOY 2021 (80% PTC)
	Maverick	287	\$402M	
Net Capacity Factor	44.0%			
Customer Savings	~\$3 billion (30-year nominal \$)			
Developer	Invenergy			
Turbine Supplier	GE			

- Regulated rate base wind investment opportunity with ability to meaningfully reduce customer rates
 - Acquiring facilities on a fixed cost, turn-key basis at completion
 - Contingent upon satisfactory regulatory approvals
 - Investment not included in the Company's current capital expenditure plan
- Acquisition can be scaled, subject to commercial limitations, to align with individual state resource needs and approvals

Transaction Value



Customer Benefits



Shareholder Benefits

- Low-cost, clean, renewable long-term energy resource
- Reduces overall customer rates starting in year 1
- Takes advantage of expiring federal PTC, which alone offsets nearly 70% of the capital investment
- Insulates customers from fuel price volatility for 30-year period
- Adds fuel diversity to generation mix with efficient high capacity factor wind resource (44%)
- Future asset optionality provides value to customers through repowering, storage coupling opportunities, etc.
- Significant local, state & regional economic benefits due to investment

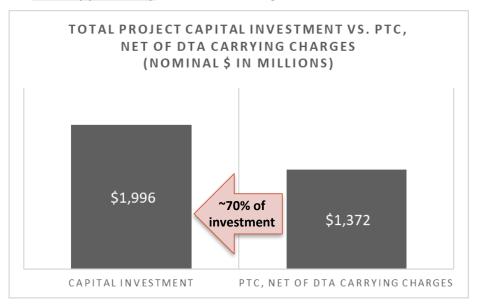
- ~\$2 billion of rate base investment diversified over 5 jurisdictions
- Receives regulated return on equity
- Near-term earnings contribution beginning in 2021 and 2022 (total company earnings will be impacted by equity needs and capital allocation)
- Earnings accretive and credit supportive on an immediate basis
- Provides customer headroom to allow for future investment
- Grows rate base
 - Grows PSO rate base by 32%
 - Grows SWEPCO rate base by 21%
- Meaningful contribution to clean energy and carbon reduction goals

Transaction Represents A Unique Win-Win Opportunity For Both Customers And Shareholders

Key Highlights of Regulatory Filings



Expiring federal Production Tax Credit (PTC) <u>provides a limited</u>
 <u>time opportunity</u> to take advantage for benefit of customers



Project Scalability

- The projects are designed to be scalable with regulatory approvals, subject to commercial limitations
 - Minimum of 810 MWs required to move forward
 - Included "step-up" options in regulatory applications to provide states the ability to take more MWs should another state or state(s) reject applications

Power & Gas Price Sensitivities

 Wind investment produces net customer benefits across a wide range of production, power, and gas price sensitivities, including the full range of current U.S. Energy Information Administration (EIA) gas price scenarios and other publically available gas price forecasts

Customer Guarantees Offered

- Capital Cost Cap Guarantee Cost cap for 100% of aggregated filed capital cost of the wind facilities
 - No exceptions, including for Force Majeure
- Production Tax Credit Eligibility Guarantee Facilities will be eligible for the federal PTC (Sundance - 100% value, Maverick and Traverse – 80% value)
 - Exclusion for changes in law that impact the federal PTC
- 3. Minimum Production Guarantee Guarantees a minimum production level (P95), in aggregate from the wind facilities over each 5-year period for first 10-years of operation
 - Exclusion for force majeure and curtailment in SPP

Timeline



Date	Key Event
July 15, 2019	Filed state regulatory applications in AR, LA, OK & TX seeking approval of the wind facility purchases
Q3 2019	FERC Section 203 transaction approval application
Q3 2019 – July 14, 2020	Regulatory activity
December 15, 2020	Required in-service and purchase date for Sundance wind facility
December 15, 2021	Required in-service and purchase date for Traverse & Maverick wind facilities