



# **AEP 2022 Factbook**

**57<sup>th</sup> EEI Financial Conference  
Hollywood, Florida  
November 13-15, 2022**



# “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, the impact of pandemics and any associated disruption of AEP’s business operations due to impacts on economic or market conditions, costs of compliance with potential government regulations and employees’ reactions to those regulations, electricity usage, supply chain issues, customers, service providers, vendors and suppliers, the economic impact of escalating global trade tensions including the conflict between Russia and Ukraine, and the adoption or expansion of economic sanctions or trade restrictions, 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 (i) if expected sources of capital, such as proceeds from the sale of assets or subsidiaries, do not materialize, and (ii) 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 transition from fossil generation and 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, including favorable tax treatment, and to recover those costs, new legislation, litigation and government regulation, including changes to tax laws and regulations, 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, the impact of federal tax legislation on results of operations, financial condition, cash flows or credit ratings, the risks before, during and after generation of electricity associated with the fuels used or the byproducts and wastes of such fuels, including coal ash and spent 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 standards periodically issued by accounting standard-setting bodies, and other risks and unforeseen events, including wars and military conflicts, the effects of terrorism (including increased security costs), embargoes, naturally occurring and human-caused fires, cyber security threats and other catastrophic events, the ability to attract and retain requisite work force and key personnel.

## Darcy Reese, Vice President

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

## Annie Pribisko, Director

Investor Relations  
614-716-2646  
acpribisko@aep.com

# Table of Contents

## AEP Overview: Slide 4

- Slide 5: Corporate Leadership
- Slide 6: AEP Is a Pure Play Regulated Utility
- Slide 7: Operational Structure
- Slides 8-9: Service Territory
- Slide 10: 2021 Retail Revenue
- Slide 11: Generation Fleet
- Slide 12: Transmission Line Circuit Mile Detail
- Slide 13: Distribution Line Circuit Mile Detail
- Slide 14: Rate Base and ROEs
- Slide 15: Summary of Rate Case Filing Requirements
- Slide 16: Retail Recovery Mechanisms by Jurisdiction
- Slide 17: Storm O&M Recovery Mechanisms by Jurisdiction
- Slide 18: Federal Energy Regulatory Commission Overview

## Generation Transformation: Slide 19

- Slide 20: Taking Bold Steps to Accelerate CO<sub>2</sub> Emissions
- Slide 21: Transforming Our Generation Fleet
- Slide 22: Proven Track Record of Reducing Fleet Emissions
- Slide 23: Retirement Progress and Plans
- Slide 24: Generation Summary
- Slides 25-27: Owned Generation
- Slides 28-29: PPA Resources
- Slide 30: Regulated Fuel Procurement – 2023 Projected
- Slide 31: Regulated Coal Delivery – 2023 Projected
- Slide 32: Jurisdictional Fuel Clause Summary

## Transmission Initiatives: Slide 33

- Slide 34: Transmission Metrics by RTO
- Slide 35: Evolution of Transmission Trackers
- Slide 36: Favorable Recovery of Transmission Investment
- Slide 37: Transmission Project Mix
- Slide 38: AEP Transmission Holdco Legal Entity Structure
- Slide 39: AEP Transco Footprint
- Slide 40: FERC Formula Rate
- Slide 41: Transmission Rate Recovery
- Slide 42: Active Joint Venture Companies
- Slide 43: Competitive Transmission
- Slide 44: ETT Overview
- Slide 45: Grid Assurance Overview

## Financial Update: Slide 46

- Slide 47: Capitalization and Liquidity
- Slide 48: Banking Group
- Slide 49: Credit Ratings
- Slide 50: Long-Term Debt Maturity Profile
- Slides 51-58: Debt Schedules

## Operating Company Detail – Slide 59

- Slides 60-67: Appalachian Power
- Slides 68-72: Indiana Michigan Power
- Slides 73-76: AEP Ohio
- Slides 77-80: Public Service Company of Oklahoma
- Slides 81-86: Southwestern Electric Power Company
- Slides 87-89: AEP Texas

## Competitive Business – Slide 90

- Slide 91: Competitive Business Platform
- Slide 92: Competitive Business Presence
- Slide 93: Unregulated Contracted Renewable Assets
- Slide 94: Retail – AEP Energy

Note: Factbook data excludes Kentucky operations due to sale expected to close in January 2023 unless otherwise noted.



# AEP OVERVIEW

- **Corporate Leadership**
- **AEP Is a Pure Play Regulated Utility**
- **Operational Structure**
- **Service Territory**
- **2021 Retail Revenue**
- **Generation Fleet**
- **Transmission Line Circuit Miles Detail**
- **Distribution Line Circuit Mile Detail**
- **Rate Base and ROEs**
- **Summary of Rate Case Filing Requirements**
- **Retail Recovery Mechanism by Jurisdiction**
- **Storm O&M Recovery Mechanisms by Jurisdiction**
- **Federal Energy Regulatory Commission Overview**





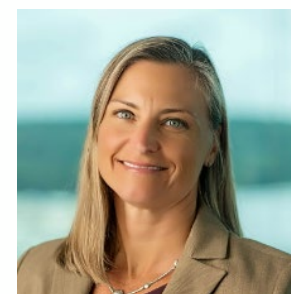
# Corporate Leadership



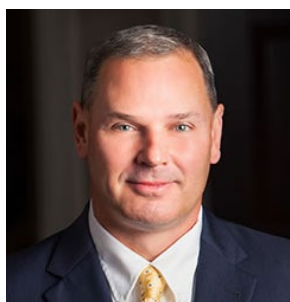
**Nicholas K. Akins**  
Chair and CEO  
Executive Chair  
(Effective 1/1/2023)



**Julie Sloat**  
President and CFO  
President and CEO  
(Effective 1/1/2023)



**Ann Kelly**  
Executive Vice President,  
CFO  
(Effective 11/30/2022)



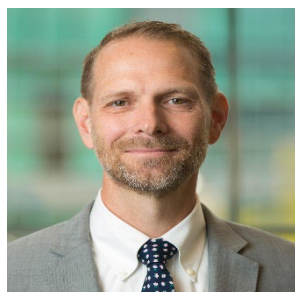
**Chris Beam**  
Executive Vice President,  
Energy Services



**Paul Chodak III**  
Executive Vice President,  
Generation



**David M. Feinberg**  
Executive Vice President,  
General Counsel and  
Secretary



**Greg B. Hall**  
Executive Vice President,  
Chief Commercial Officer



**Therace M. Risch**  
Executive Vice President,  
Chief Information and  
Technology Officer



**Peggy Simmons**  
Executive Vice President,  
Utilities



**Raja Sundararajan**  
Executive Vice President,  
External Affairs

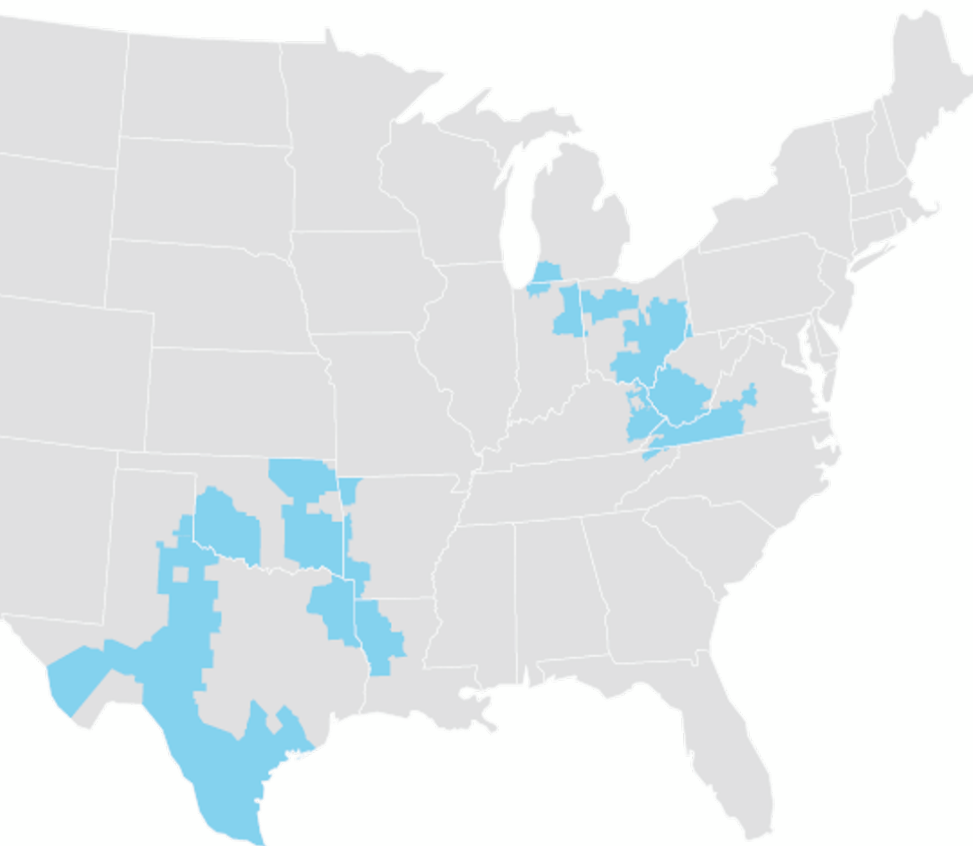


**Philip R. Ulrich**  
Senior Vice President,  
Chief Human Resources  
Officer



**Charles E. Zebula**  
Executive Vice President,  
Portfolio Optimization

# AEP Is a Pure Play Regulated Utility



**40k**

**TRANSMISSION MILES**

Nation's largest electric transmission system

**224k**

**DISTRIBUTION MILES**

One of the largest distribution systems in the U.S.

**26GW**

**OWNED GENERATION**

Diverse generation fleet

**\$ 91B**

**TOTAL ASSETS**

Strong balance sheet

**\$ 56B**

**RATE BASE**

As of December 31, 2021

**\$ 45B**

**CURRENT MARKET CAPITALIZATION**

As of November 4, 2022

**17,000**

**EMPLOYEES**

Across the system

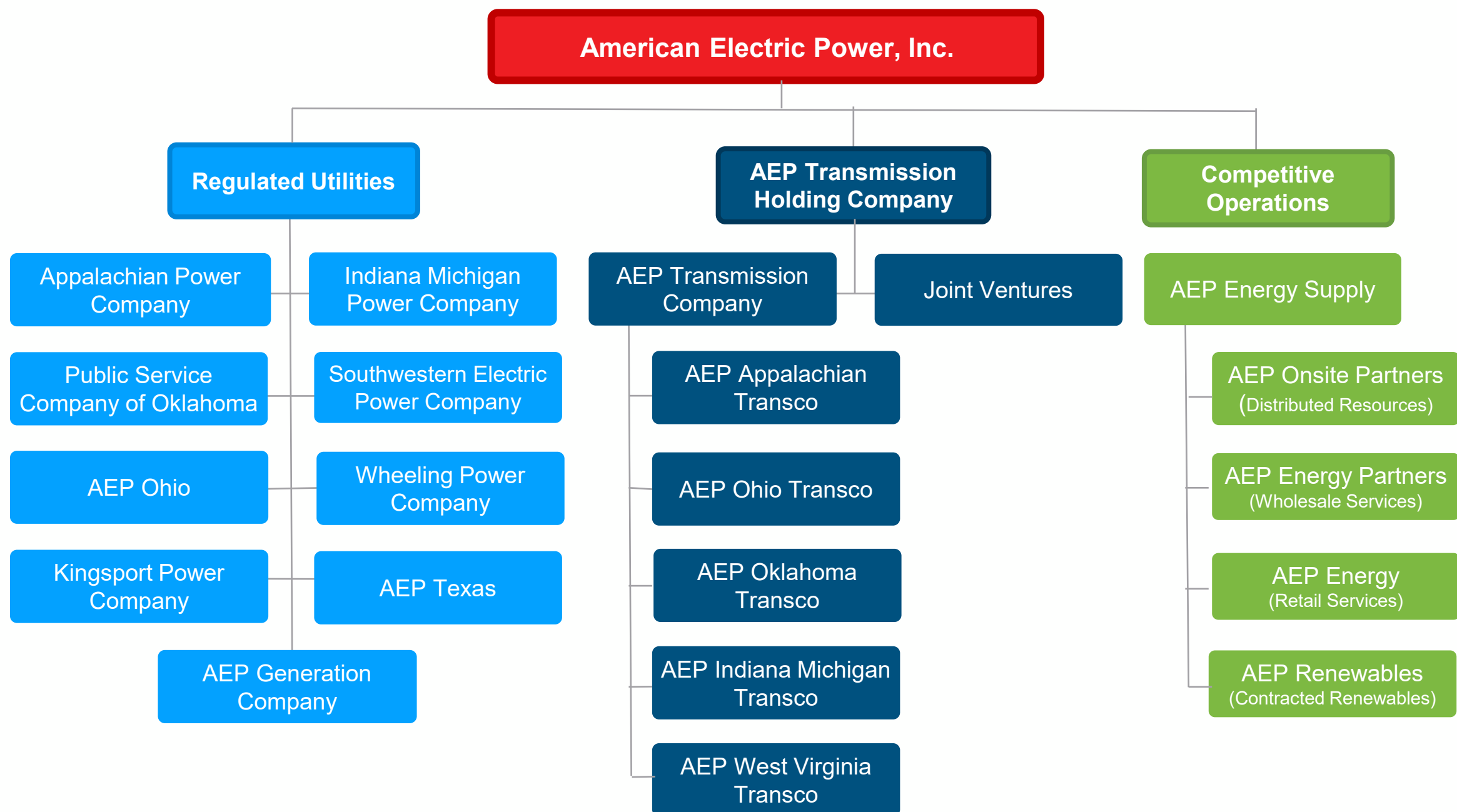
**5.5M**

**CUSTOMERS**

Throughout 11 states

Statistics are as of September 30, 2022 except for rate base and market capitalization; data on this page currently includes Kentucky operations until sale closes in January 2023.

# Operational Structure



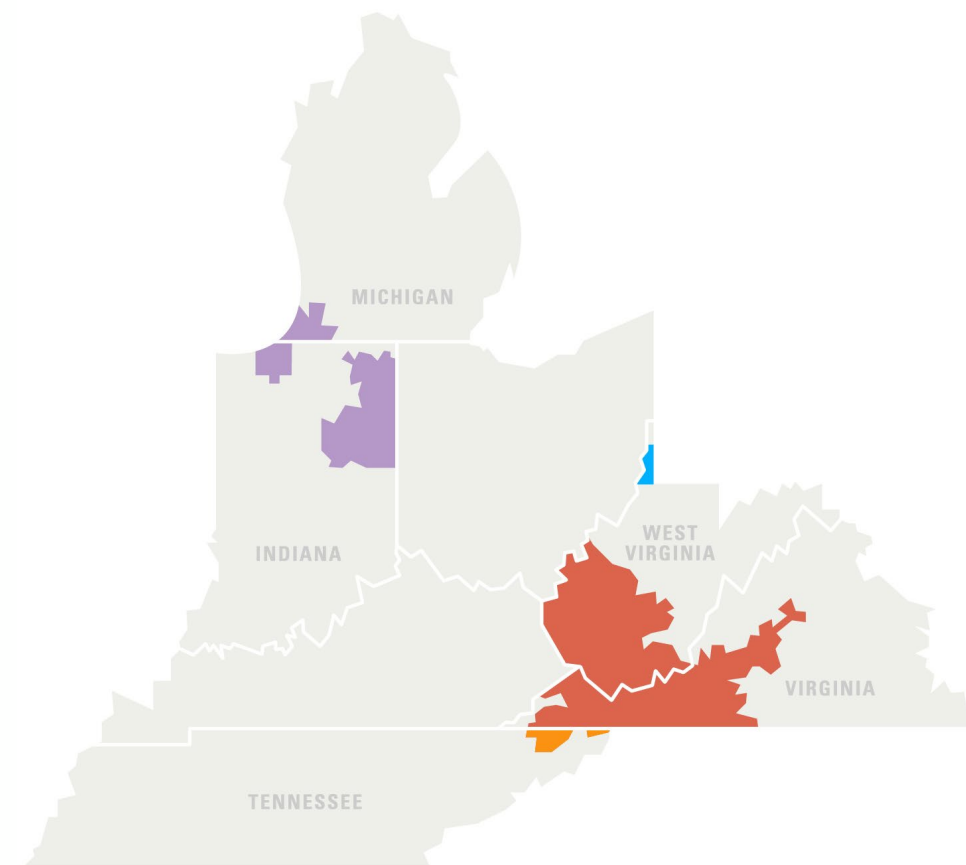
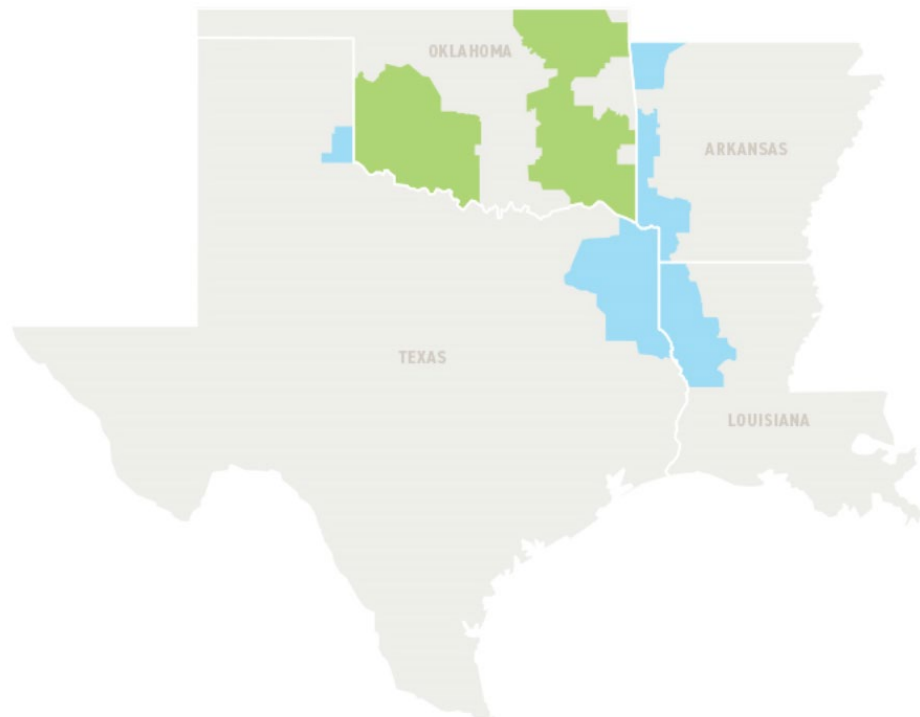
Note: Does not represent legal structure.

# Service Territory

## Vertically Integrated Utilities

- Public Service Company of Oklahoma (PSO)
- Southwestern Electric Power Company (SWEPCO)

- Appalachian Power Company (APCo)
- Indiana Michigan Power Company (I&M)
- Kingsport Power Company (KGPCo)
- Wheeling Power Company (WPCo)





# Service Territory

## Transmission and Distribution Utilities

 AEP Texas

 AEP Ohio

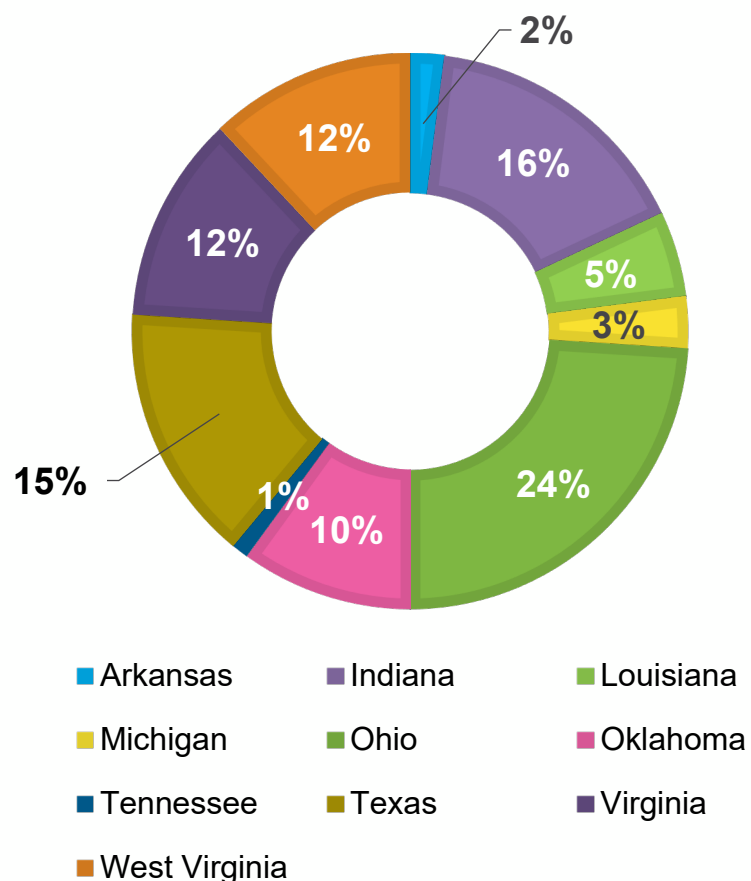


# 2021 Retail Revenue

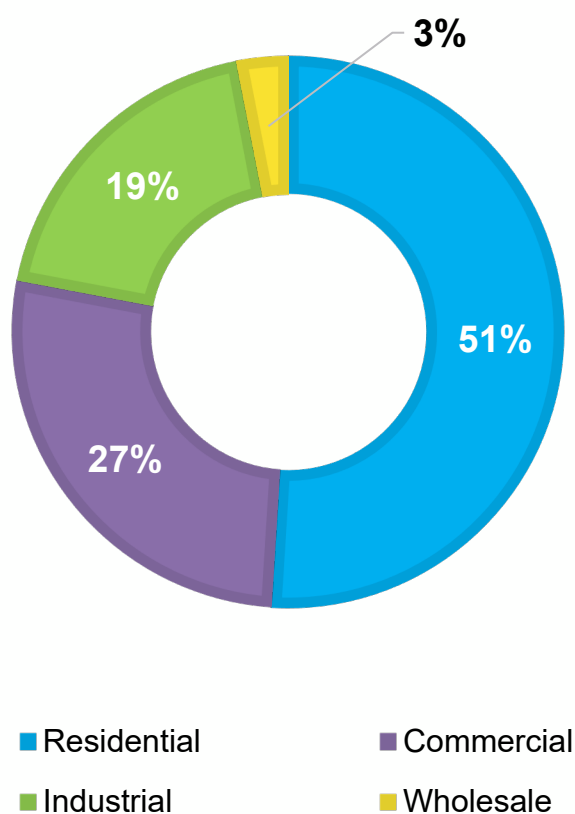
## Customer Profile

AEP's Service Territory Encompasses Approximately 5.4 Million Customers in 10 States

Percentage of AEP System Retail Revenues



Percentage Composition by Customer Class<sup>1</sup>



Top 10 Industrial Sectors Across the AEP System by NAICS Code

	Name	% of Total Industrial Sales
331	Primary Metal Manufacturing	15.5%
325	Chemical Manufacturing	12.3%
486	Pipeline Transportation	12.2%
324	Petroleum and Coal Products Manufacturing	9.3%
211	Oil and Gas Extraction	6.6%
326	Plastics and Rubber Products Manufacturing	6.1%
322	Paper Manufacturing	5.9%
311	Food Manufacturing	4.8%
212	Mining (except Oil and Gas)	4.8%
332	Fabricated Metal Product Manufacturing	3.9%

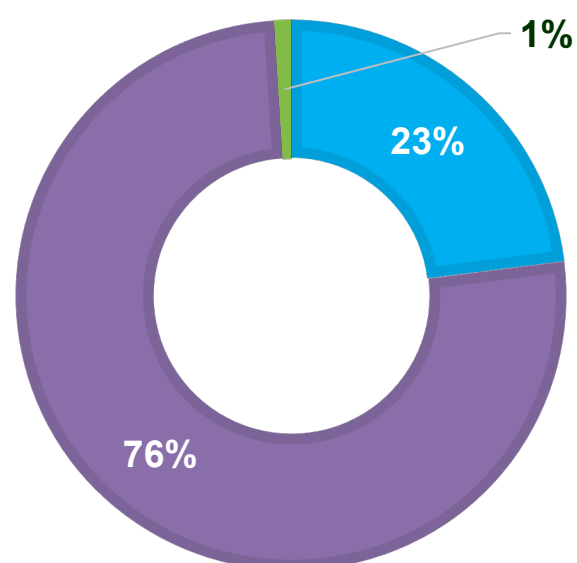
<sup>1</sup> Figures do not include Other Retail.



# Generation Fleet

## Competitive – 2022 Generation Capacity by Fuel Type

Based on 2,578 MW<sup>1</sup>

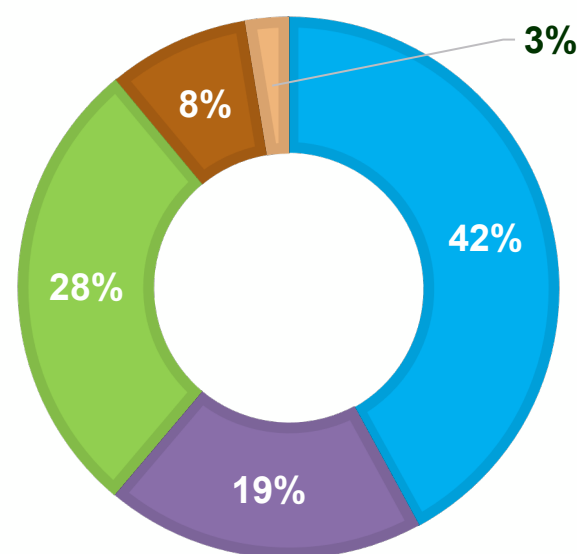


- Coal/Lignite - Controlled
- Hydro, Wind, Solar & Storage
- Natural Gas

<sup>1</sup> Includes 177 MW of wind PPA and 595 MW of Coal PPA related to the Cardinal Plant.

## Regulated – 2022 Generation Capacity by Fuel Type

Based on 27,177 MW<sup>2</sup>

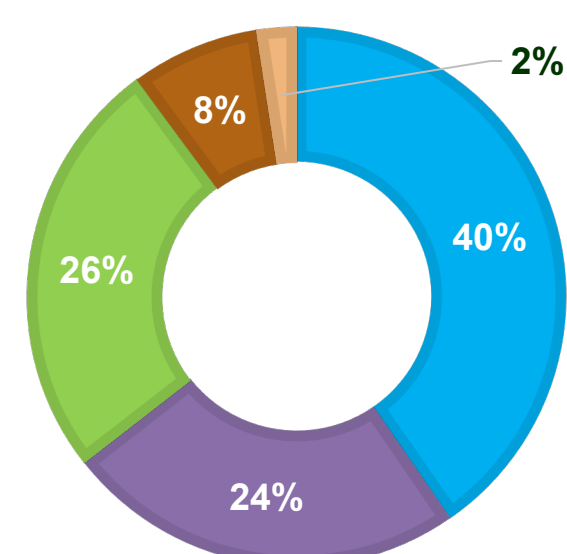


- Coal/Lignite - Controlled
- Hydro, Wind, Solar & Storage
- Natural Gas
- Nuclear
- Demand Response/Energy Efficiency

<sup>2</sup> Includes:  
 • 936 MW of OVEC entitlement  
 • 2,875 MW of renewable PPAs  
 • 260 MW of gas PPAs  
 • 708 MW of Demand Response / Energy Efficiency Programs

## Total Fleet – 2022 Generation Capacity by Fuel Type

Based on 29,755 MW<sup>3</sup>



- Coal/Lignite - Controlled
- Hydro, Wind, Solar & Storage
- Natural Gas
- Nuclear
- Demand Response/Energy Efficiency

<sup>3</sup> Includes:  
 • 936 MW of OVEC entitlement  
 • 3,052 MW of renewable PPAs  
 • 260 MW of gas PPAs  
 • 708 MW of Demand Response / Energy Efficiency Programs

As of 9/30/2022

# Transmission Line Circuit Mile Detail

## Operating Company and State Level (Circuit Miles)

Operating Company	765kV	500kV	345kV	230kV	161kV	138kV	115kV	88kV	69kV	46kV	40kV	34.5kV	23kV	Total
APCo	730	96	381	107		2,941		2	911	675		134		5,977
I&M	610		1,600			1,231			537			335		4,313
KGPCo						44						29		73
AEP Ohio	506		1,490			3,003			2,139		43	376	17	7,574
PSO			604	34	8	1,662	10		451					2,769
SWEPCO			778		308	1,456	29		1,557					4,128
AEP Texas			972			4,017			3,529					8,518
WPCo		16	15			192			69					292
Transco – IM	15		68			608			290			11		992
Transco – OH	2		27			554			437		4	7	2	1,033
Transco – OK			95	1		625			294					1,015
Transco – WV	2		1			207			25	25				260
<b>Total</b>	<b>1,865</b>	<b>112</b>	<b>6,031</b>	<b>142</b>	<b>316</b>	<b>16,540</b>	<b>39</b>	<b>2</b>	<b>10,239</b>	<b>700</b>	<b>47</b>	<b>892</b>	<b>19</b>	<b>36,944</b>

State	765kV	500kV	345kV	230kV	161kV	138kV	115kV	88kV	69kV	46kV	40kV	34.5kV	23kV	Total
Arkansas			78		308	248	13		437					1,084
Indiana	609		1,434			1,545			482			261		4,331
Louisiana			105			285	1		321					712
Michigan	16		234			294			344			85		973
Ohio	508		1,517			3,553			2,576		47	382	19	8,602
Oklahoma			742	35	8	2,315	10		745					3,855
Tennessee				92		153			1			29		275
Texas			1,524			4,912	15		4,329					10,780
Virginia	349	96	70	15		1,679			605	49		83		2,946
West Virginia	383	16	327			1,556		2	399	651		52		3,386
<b>Total</b>	<b>1,865</b>	<b>112</b>	<b>6,031</b>	<b>142</b>	<b>316</b>	<b>16,540</b>	<b>39</b>	<b>2</b>	<b>10,239</b>	<b>700</b>	<b>47</b>	<b>892</b>	<b>19</b>	<b>36,944</b>

Note: Transmission line circuit miles are current as of 12/31/2021; excludes approximately 2,300 circuit miles owned by ETT and Joint Ventures.  
Ownership of transmission line assets can cross state lines.



# Distribution Line Circuit Mile Detail

State	Line Miles <sup>1</sup>
Arkansas	4,101
Indiana	15,312
Louisiana	12,880
Michigan	5,405
Ohio	46,936
Oklahoma	20,644
Tennessee	1,607
Texas	53,474
Virginia	31,605
West Virginia	22,041
<b>TOTAL</b>	<b>214,005</b>

Operating Company	Line Miles <sup>1</sup>
AEP Texas	44,809
APCo	52,071
I&M	20,784
KGPCo	1,607
AEP Ohio	46,871
PSO	20,644
SWEPCO	25,645
WPCo	1,574
<b>TOTAL</b>	<b>214,005</b>

<sup>1</sup> Includes approximately 36,400 miles of underground circuits.

Ownership of distribution line assets can cross state lines.

As of 12/31/2021

# Rate Base and ROEs

## Vertically Integrated Utilities

Jurisdiction	Rate Base Proxy as of 12/31/2021 <sup>1</sup> (\$ millions)	Operating Earned ROE <sup>2</sup> as of 9/30/2022	Approved ROE	Approved Debt/Equity	Effective Date of Last Approved Rate Case
APCo – Virginia <sup>3</sup>			9.2%	50/50	10/1/2022
APCo – West Virginia/WPCo			9.75%	49.84/50.16	3/6/2019
APCo – FERC			9.82%	52/48	1/1/2017
APCo/WPCo Total	\$10,390	8.7%			
KGPCo – Tennessee			9.50%	51.1/48.9	8/8/2022
KGPCo – Tennessee Total	\$ 180	9.5%			
I&M – Indiana			9.70%	50/50	2/23/2022
I&M – Michigan			9.86%	53.44/46.56	2/1/2020
I&M – FERC			9.57%	49/51	1/1/2017
I&M Total	\$ 6,217	10.4%			
PSO – Distribution/Generation			9.40%	47/53	2/1/2022
PSO – Oklahoma Total	\$ 4,552	6.9%			
SWEPCO – Louisiana			9.80% <sup>4</sup>	52.8/47.2	5/1/2017
SWEPCO – Arkansas			9.50%	55.5/44.5	7/1/2022
SWEPCO – Texas			9.25%	50.6/49.4	3/18/2021
SWEPCO – FERC			10.1%-11.1%	52/48	1/1/2017
SWEPCO Total	\$ 6,680	8.9%			

## Transmission and Distribution Utilities

Jurisdiction	Rate Base Proxy as of 12/31/2021 <sup>1</sup> (\$ millions)	Operating Earned ROE <sup>2</sup> as of 9/30/2022	Approved ROE	Approved Debt/Equity	Effective Date of Last Approved Rate Case
AEP Ohio – Distribution			9.70%	45.6/54.4	12/1/2021
AEP Ohio – Transmission			10.35% <sup>5</sup>	45/55	1/1/2018
AEP Ohio Total	\$ 6,294	10.1%			
AEP Texas – Transmission/Distribution			9.40%	57.5/42.5	5/29/2020
AEP Texas Total	\$ 8,667	8.7%			

## Transcos

Company	Rate Base Proxy as of 12/31/2021 <sup>1</sup> (\$ millions)	Operating Earned ROE <sup>2</sup> as of 9/30/2022	Approved ROE	Approved Debt/Equity	Effective Date of Last Approved Formula Rate Filing
AEP Appalachian Transco	\$ 95	11.4%	10.35% <sup>5</sup>	45/55	01/01/2018
AEP Ohio Transco	\$ 4,313	9.8%	10.35% <sup>5</sup>	45/55	01/01/2018
AEP Indiana Michigan Transco	\$ 2,986	10.2%	10.35% <sup>5</sup>	45/55	01/01/2018
AEP West Virginia Transco	\$ 1,837	10.1%	10.35% <sup>5</sup>	45/55	01/01/2018
AEP Oklahoma Transco	\$1,108	11.1%	10.50% <sup>6</sup>	Actuals	01/01/2019

Note: Chart excludes AEG's Rockport plant investment. AEG sells capacity and energy to I&M and KPCo under a PPA.

<sup>1</sup> Rate base represents Net Utility Plant plus Regulatory Assets less Net Accumulated Deferred Income Taxes and less Regulatory Liabilities.

<sup>2</sup> Operating ROE adjusts GAAP results by eliminating any material nonrecurring items and is not weather normalized. 12-month rolling ROE.

<sup>3</sup> In August 2022, commission issued a revised order to adjust the 2017-2019 VA triennial rate pursuant to VA Supreme Court ruling in APCo's favor.

<sup>4</sup> Represents the midpoint of the ROE range approved in the formula rate case settled in April 2017.

<sup>5</sup> For AEP's East Transmission Companies, represents a 9.85% base ROE plus 50 BPS RTO adder.

<sup>6</sup> For AEP's West Transmission Company, represents a 10.0% base ROE plus 50 BPS RTO adder.



# Summary of Rate Case Filing Requirements

## GENERAL

	AR	IN	LA	MI	OH	OK	TN	TX (SPP)	TX (ERCOT)	VA	WV	FERC Generation	FERC Transmission
Time Limitations Between Cases	No	Yes	No	10 mths	No	No	No	Yes Note 7	Yes Note 7	Yes	No	N/A	N/A
Rates Effective Subject to Refund	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	N/A	N/A
Fuel Clause Renewal Frequency	Annually	Bi-Annually	Monthly	Annually	N/A	Annually	Annually	As Needed/ Threshold Note 12	N/A	Annually	Annually	N/A	N/A
Approx # of Months After Filing to Implement Rates	10	10 @ 50% if no order	4 Note 9	10	9	6	9	12 Note 11	12	10 Note 6	10	Less than 1	2
Approx # of Months After Filing Order Expected	10	10	4 Note 9	10	12	6	9	12	9	8	10	N/A	N/A

## NOTICE OF INTENT

	AR	IN	LA	MI	OH	OK	TN	TX (SPP)	TX (ERCOT)	VA	WV	FERC Generation	FERC Transmission
Prior PSC Notice Required?	Yes	Yes	No	Yes	Yes	Yes	No	Yes Note 8	Yes Note 8	Yes	Yes	No	No
Notice Period (days)	60-90	30	N/A	30	30	45	N/A	30	30	60	30	No	No

## CASE COMPONENTS

	AR	IN	LA	MI	OH	OK	TN	TX (SPP)	TX (ERCOT)	VA	WV	FERC Generation	FERC Transmission
Base Case Test Year	Partially Projected	Hist., Forecast or Hybrid	Hist. (Formula Rate)	Forecast Optional	Partially/ Fully Projected	Hist.	Hist.	Hist.	Hist.	Hist.	Hist.	Historical/ Forecasted	Forecasted
Post Test Year Adjustment Period (Months)	12	12	-	-	-	Min 6, no max	12	Note 10	-	3	12	-	True-up
Cash Return on CWIP	Partial	Limited Note 2	Partial Note 1	Yes	Limited	No Note 1	Yes	Limited Note 3	Limited Note 3	Yes	Note 5	Limited Note 4	Varies Note 4

Note 1: CWIP that is projected to be placed into service within six months post test year is included in rate base (for LA, under separate docket only). No CWIP in annual formula rates.

Note 2: CWIP is not included in rate base for a general rate case. However, for capital rider projects, the Commission may add CWIP to utility property for ratemaking purposes between rate cases via a surcharge. In addition, legislation (SB 251) was passed that will allow CWIP recovery through a tracker for Cook Life Cycle Management projects.

Note 3: Can request inclusion in rate base but requires a showing that it is needed to maintain financial integrity. The financial integrity standard in Texas is not clearly defined and has been essentially impossible to meet.

Note 4: General FERC rules allow for CWIP in rate base. AEP's generation formula rates and Joint Ventures Transmission rates include some form of partial or full CWIP recovery.

Note 5: CWIP recovery has been allowed in surcharges.

Note 6: The SCC is required to issue a triennial order within 8 months of filing. Rates are to be implemented 60 days after order and are not subject to refund. Depending on the nature of the RAC, the SCC has a statutory limit to issue decisions within 3 months for a transmission cost recovery RAC, 8 months for an environmental compliance, RPS-RAC or DR/EE-RAC and 9 months for cost recovery related to a new generating facility.

Note 7: Each investor-owned utility within and outside of ERCOT must file for a comprehensive rate review within 48 months of the order setting rates in its most recent comprehensive rate proceeding. Subject to extension by the Commission.

Note 8: Notice is sent to Municipalities within the jurisdiction but is not a filing with the PUCT.

Note 9: The 4 month timeframe applies to the Formula Rate Plan only. Does not apply to base rates.

Note 10: Post test year adjustments may be made for investments that represent 10% of rate base and are expected to be in service before rates go into effect.

Note 11: Rates are not implemented until a final order is received, approximately 12 months after filing. Once the order is received, new rates are retroactive to 155 days after the case was filed.

Note 12: The fuel clause may be revised on an as needed basis through a fuel factor filing in the months of May, September, or January, or it can be revised in a base rate case. The fuel clause may also be adjusted on an emergency interim basis if unforeseeable circumstances cause an under-recovery greater than the annual fuel cost on a rolling 12-month basis.

# Retail Recovery Mechanisms by Jurisdiction

Company	State	Distribution Vegetation Management	Environmental Investment	Energy Efficiency	Renewables Investment	REPA	Other Purchased Power (Energy/Capacity)	OATT	Distribution/ Transmission Capital Investment
I&M	Indiana	BR	ECR/BR/LCM	DSM	SPR	FAC/BR	FAC/RAR/BR	BR/PJM Tracker	BR/PJM Tracker
	Michigan	BR	BR	EWR	PSCR/RES	PSCR/RES	PSCR	PSCR	BR/PSCR
AEP Ohio	Ohio	ESRR	N/A	N/A	N/A	AER	LGR/GEN C/GEN E	BTCCR	BR/BTCR/DIR/GS
KGPCo	Tennessee	BR/TRP&MS	FPPAR	N/A	N/A	N/A	FPPAR	FPPAR	BR/TRP&MS
APCo	Virginia	BR	ERAC/BR	EERAC	GRAC/BR	RPSRAC/FAC	FAC/BR	TRAC	BR/TRAC
	West Virginia	VMP	ECS/BR	EE/DR	BR	ENEC	ENEC	BR/ENEC	MRBCS/BR
SWEPCO	Arkansas	BR/FRP	BR/FRP	EECR	BR/FRP	ECRR	ECRR/BR/FRP	Limited SPP Tracker	BR/FRP
	Louisiana	BR/FAC	BR	EECR/BR	BR/WFA	FAC	FAC/BR	BR/FPR	BR/FRP
	Texas (SPP)	BR	BR	EECRF	BR/GCRR	FAC	FAC/BR	BR/TCRF	BR/DCRF/TCRF
AEP TX	Texas (ERCOT)	BR	N/A	EECRF	N/A	N/A	N/A	TCOS	BR/DCRF/TCOS
PSO	Oklahoma	BR	BR	DSM	WFA/BR	FAC	FAC	Limited SPP Tracker	BR

AER - Alternative Energy Rider

BR - Base Rates

BTCCR - Basic Transmission Cost Rider

DIR - Distribution Investment Rider

DCRF - Distribution Cost Recovery Factor

DRSR - Distribution Reliability and Safety Rider

DSM - Demand Side Management

ECR - Environmental Cost Rider

ECRR - Energy Cost Recovery Rider

ECS - Environmental Compliance Surcharge

EE - Energy Efficiency

EE/DR - Energy Efficiency/Demand Response

EECR - EE Cost Rate Rider

EECRF - Energy Efficiency Cost Recovery Factor Rider

EERAC - EE Rate Adjustment Clause

ENEC - Expanded Net Energy Cost

ERAC - Environmental Rate Adjustment Clause

ESRR - Enhanced Service Reliability Rider

EWR - Energy Waste Reduction Rider

FAC - Fuel Adjustment Clause

FERC - Federal Energy Regulatory Commission

FPPAR - Fuel Purchase Power Adj. Rider

FRP - Formula Rate Plan

GCRR - Generation Cost Recovery Rider

GEN C - Generation Capacity Rider

GEN E - Generation Energy Rider

GRAC - Generation Rate Adjustment Clause

GS - gridSMART Rider

LCM - Life Cycle Management Rider

LGR - Legacy Generation Resource Rider

MRBCS - Modified Rate Base Cost Surcharge

OATT - Open Access Transmission Tariff

PJM - PA-NJ-MD Regional Transmission Org

PPA - Purchase Power Agreement Rider

PSCR - Power Supply Cost Recovery Rider

RAR - Resource Adequacy Rider

REPA - Renewable Energy Purchase Agreement

RES - Renewable Energy Surcharge

RPSRAC - Renewable Portfolio Standard RAC

SPP - Southwest Power Pool Regional Transmission Org

SPR - Solar Power Rider

TCOS - Transmission Cost of Service

TCRF - Transmission Cost Recovery Factor

TRAC - Transmission Rate Adjustment Clause

TRP&MS - Targeted Reliability Plan and Major Storms

VMP - Vegetation Management Plan

WFA - Wind Facility Asset Rider

# Storm O&M Recovery Mechanism by Jurisdiction

State	Ability to Defer	Description	Current Ongoing Level of Storms Approved for Recovery in Base Rates
Arkansas	Yes	Storm costs are expensed as incurred. May request Commission approval for deferral and recovery of major storm costs.	N/A
Indiana	Yes	Currently recovering level of storm costs in base rates subject to earning authorized ROE. Performing over-/under-recovery accounting related to storm amount recovered in base rates.	\$ 2.8M
Louisiana	No	Storm costs are expensed as incurred and included for recovery in following year formula rate filings. May request Commission approval for deferral and recovery of major storm costs.	N/A
Michigan	No	Currently recovering level of storm costs in base rates subject to earning authorized ROE.	\$ 1.9M
Ohio	Yes	Currently recovering level of storm costs in base rates subject to earning authorized ROE. Performing over-/under-recovery accounting related to baseline approved in Ohio Electric Security Plan. May request Commission approval for deferral and recovery of additional major storm costs.	\$ 3.3M
Oklahoma	Yes	Currently recovering level of storm costs in base rates subject to earning authorized ROE. Performing over-/under-recovery accounting related to storm amount recovered in base rates. May defer additional major storm costs for recovery in future base rate cases.	\$ 7.5M
Tennessee	Yes	Active rider in place to collect actual storm amounts after they are incurred with over-/under- recovery accounting.	NA
Texas (SPP)	Yes	Currently recovering level of storm costs in base rates subject to \$500K floor and earning authorized ROE. Storms greater than \$500K are deferred and recovery of these significant storm costs separately in base rates or potential securitization.	N/A
Texas (ERCOT)	Yes	Currently recovering level of storm costs in base rates subject to \$500K floor and earning authorized ROE. Storms greater than \$500K are deferred and recovery of these significant storm costs separately in base rates or potential securitization.	\$ 4.3M
Virginia	Yes <sup>1</sup>	Currently recovering level of storm costs in base rates subject to earning authorized ROE.	\$ 6.9M
West Virginia	Yes	Currently recovering level of storm costs in base rates subject to earning authorized ROE. "Extraordinary" storm expenses above level in base rates can be separately deferred for future recovery.	\$ 8.2M

<sup>1</sup> Subject to an earnings test.



# Commission Overview

## Federal Energy Regulatory Commission (FERC)

**Number: 5**

**Appointed/Elected: Appointed**

**Term: 5 Years**

**Political Makeup: R: 2 D: 3**

### Qualifications for Commissioners

The FERC is composed of up to five commissioners who are appointed by the President of the United States with the advice and consent of the Senate. Commissioners serve five-year terms and have an equal vote on regulatory matters. No more than three commissioners may belong to the same political party.

### Commissioners

**Richard Glick, Chairman (Dem.)** since 2017: term expired June 2022. Named Chairman in 2021. He was renominated by the President to serve a second, five-year term on the Commission. He can serve for the remainder of 2022 if his renomination is not confirmed by the Senate. The Senate has not yet scheduled the hearing to consider his renomination. Prior to joining the Commission, was general counsel for the Democrats on the Senate Energy and Natural Resources Committee, serving as a senior policy advisor on numerous issues including electricity and renewable energy. Prior to that, was vice president of government affairs for Iberdrola's renewable energy, electric and gas utility, and natural gas storage businesses in the United States. He ran the company's Washington, D.C. office and was responsible for developing and implementing the U.S. businesses' federal legislative and regulatory policy advocacy strategies. Also previously served as a director of government affairs for PPM Energy and before that was director of government affairs for PacifiCorp. Served as a senior policy advisor to U.S. Energy Secretary Bill Richardson and before that was legislative director and chief counsel to U.S. Senator Dale Bumpers of Arkansas. From 1988-1992, was an associate with the law firm of Verner, Liipfert, Bernhard, McPherson and Hand.

**Mark Christie, Commissioner (Rep.)** since 2021: term expires June 2025. Before joining FERC, was the chairman of the Virginia State Corporation Commission (Virginia SCC), serving for nearly 17 years. As a state regulator, was elected president of the Organization of PJM States, Inc. (OPSI), an organization of utility regulators representing the 13 states and the District of Columbia which participate in the PJM transmission and markets organization. Served for more than a decade on the OPSI governing board. Also served as president of the Mid-Atlantic Conference of Regulatory Utilities Commissioners, a regional chapter of the National Association of Regulatory Utility Commissioners. Taught regulatory law for a decade as an adjunct faculty member at the University of Virginia School of Law and constitutional law and government for 20 years in a doctoral program at Virginia Commonwealth University.

**Allison Clements, Commissioner (Dem.)** since 2020: term expires June 2024. Has two decades of public and private sector experience in energy regulation and policy, representing utilities, independent power producers, developers and lenders, nonprofits and philanthropies on grid policy issues. Founder and president of Goodgrid, LLC, an energy policy and strategy consulting firm. Spent two years as director of the energy markets program at Energy Foundation. Prior to Energy Foundation and Goodgrid, worked for a decade at Natural Resources Defense Council in New York, NY, as the organization's corporate counsel and then as director of the Sustainable FERC Project. Spent several years in private legal practice, with the energy regulatory group at Troutman Sanders LLP (now Troutman Pepper) and then with the project finance and infrastructure group at Chadbourne & Parke LLP (now Norton Rose Fulbright). Served as a federal energy expert in several capacities, including as a member of a National Academies of Sciences committee on grid resilience, as co-chair of the Bipartisan Policy Center's electric grid initiative and as a clinical visiting lecturer at Yale Law School.

**James Danly, Commissioner (Rep.)** since 2020: term expires June 2023. Previously served as FERC General Counsel since September 2017. Prior to joining the Commission, was a member of the energy regulation and litigation group at Skadden, Arps, Slate, Meagher and Flom LLP. Prior to that, served as a law clerk to Judge Danny Boggs at the U.S. Court of Appeals for the Sixth Circuit. Was a managing director of the Institute for the Study of War, a military think tank in Washington, D.C. and served an International Affairs Fellowship at the Council on Foreign Relations. Former U.S. Army officer who served two deployments to Iraq, first with an infantry company in Baghdad and then on staff at Multi-National Force—Iraq, receiving a Bronze Star and Purple Heart.

**Willie L. Phillips, Commissioner (Dem.)** since 2021: term expires June 2026. Previously served as Chairman of the Public Service Commission of the District of Columbia. Extensive background in public utility regulation, bulk power system reliability, and corporate governance. Served as Assistant General Counsel for North American Electric Reliability Corporation (NERC). Served on the board of directors of the National Association of Regulatory Utility Commissioners (NARUC) and the Organization of PJM States, Inc. (OPSI). Also served as president of Mid-Atlantic Conference of Regulatory Utility Commissioners (MACRUC) and held leadership roles on several advisory councils, including the Electric Power Research Institute (EPRI) Advisory Council.



# GENERATION TRANSFORMATION

- Taking Bold Steps to Accelerate CO<sub>2</sub> Emission Goals
- Transforming Our Generation Fleet
- Proven Track Record of Reducing Fleet Emissions
- Retirement Progress and Plans
- Generation Summary
- Owned Generation
- PPA Resources
- Regulated Fuel Procurement – 2023 Projected
- Regulated Coal Delivery – 2023 Projected
- Jurisdictional Fuel Clause Summary





# Taking Bold Steps to Accelerate CO<sub>2</sub> Emission Goals

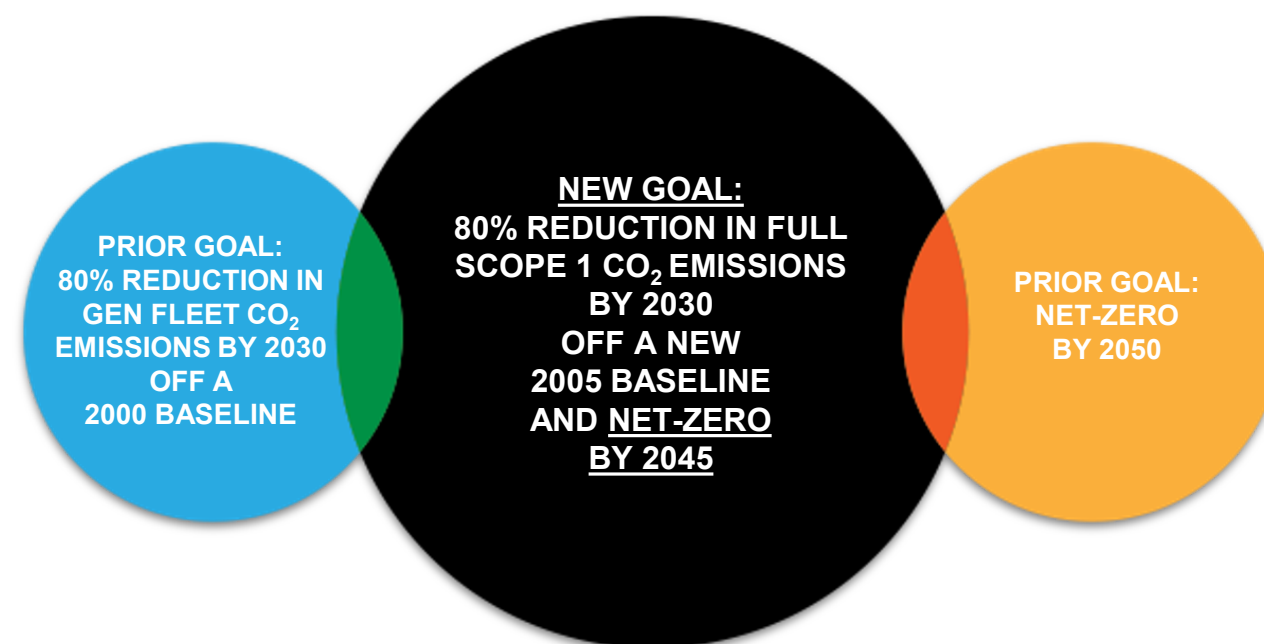
## We Have an Achievable Pathway to Net-Zero by 2045

NEAR  
TERM

- Planned Retirement and Disposition of Select Fossil Units
- + Adding Solar, Wind, Natural Gas and Energy Storage to Our Generation Portfolio
- + Building-out a Resilient and Reliable Grid to Efficiently Deliver Clean Energy to Customers
- + Closely Evaluating New Technologies to Further Reduce or Eliminate CO<sub>2</sub> Emissions
- + Procure Carbon Offsets to Neutralize Any Remaining CO<sub>2</sub> Emissions from our Generation Fleet

LONG  
TERM

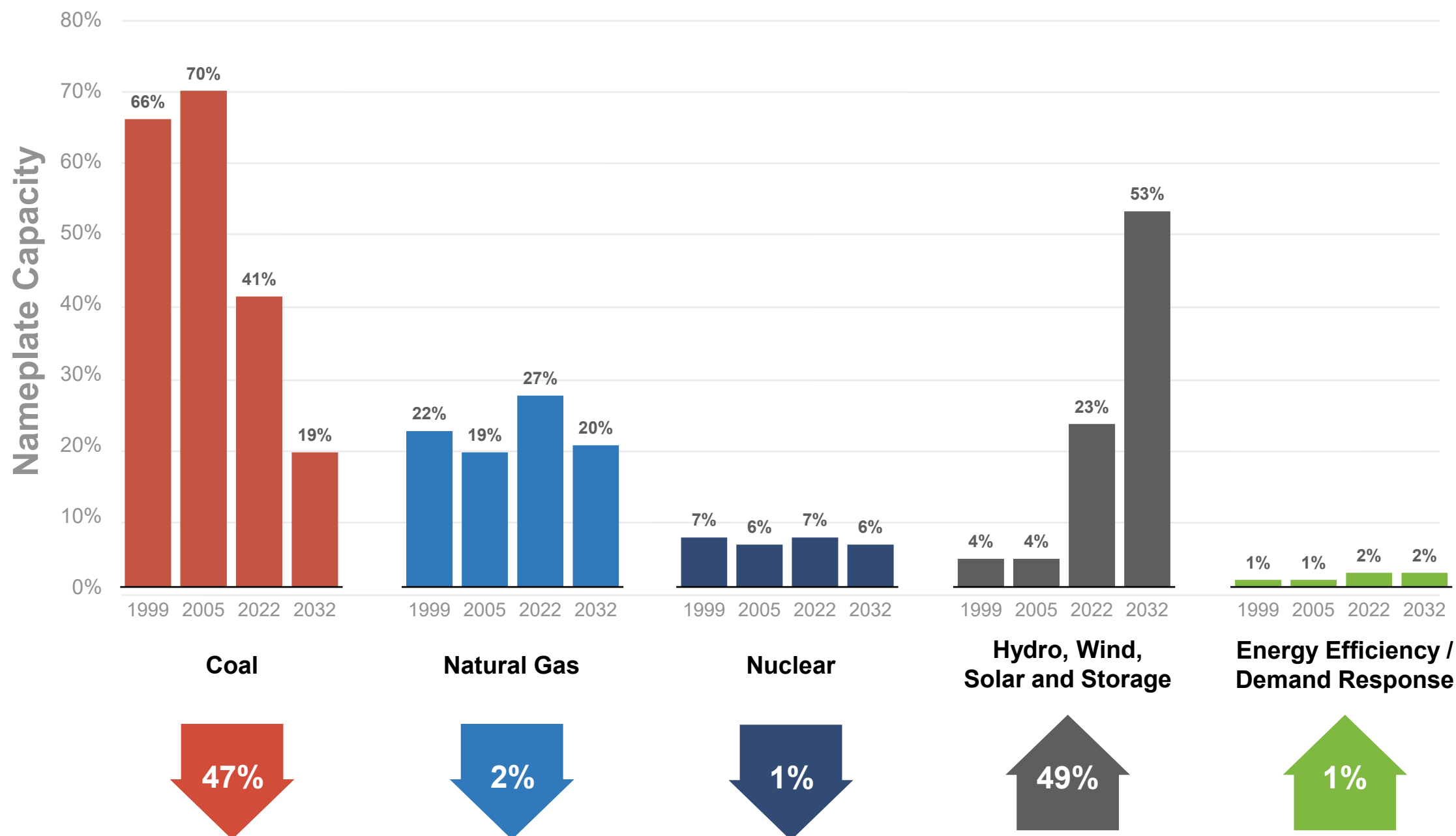
We are rebasing our near-term CO<sub>2</sub> emission reduction target to 2005, upgrading our 2030 target to include full Scope 1 emissions and accelerating our net-zero goal by 5 years



Climate goals remain highly assumption driven and are dependent upon factors outside of our control such as generation resource adequacy in our markets, access to clean energy projects, power/commodity market assumptions, federal and state public policy, development of new technologies, cost of abatement, ability to recover costs from customers, etc.



# Transforming Our Generation Fleet



Capacity includes both owned and PPA generation. Energy Efficiency / Demand Response represents avoided capacity rather than physical assets.

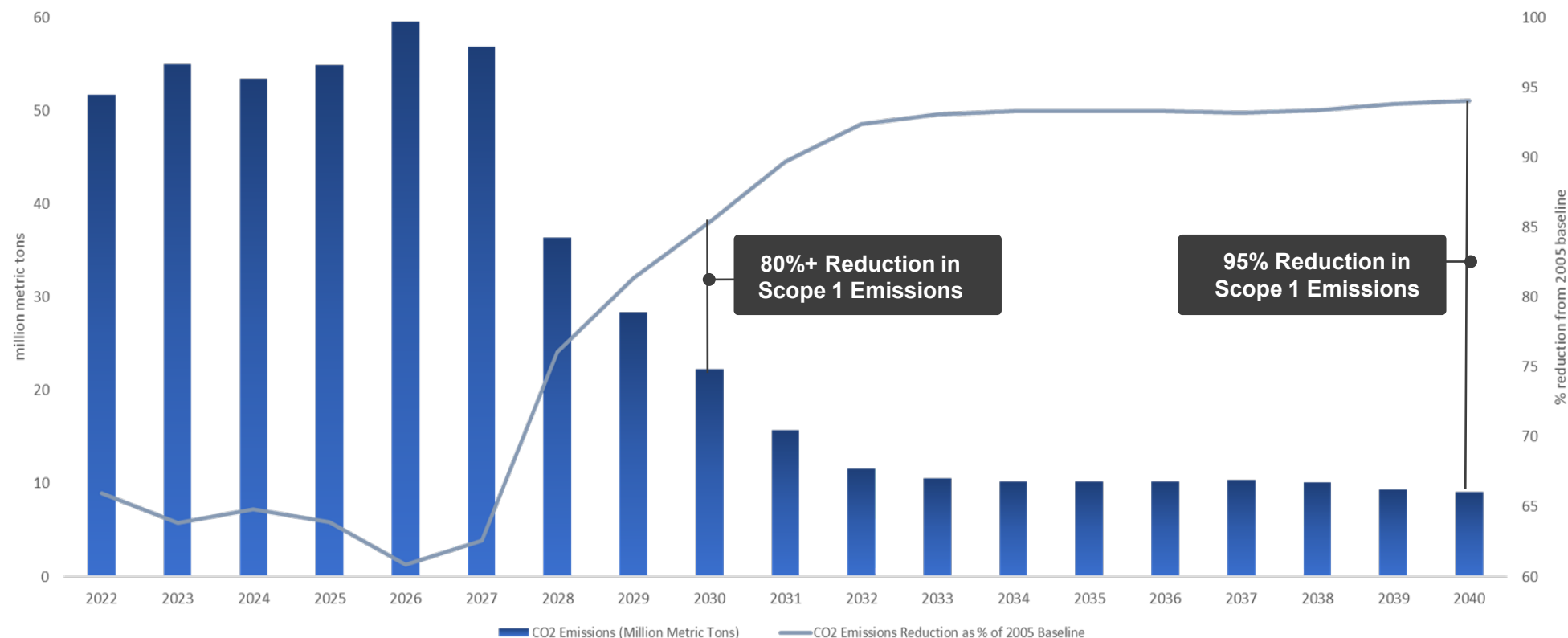
2022 data as of 9/30/2022 and includes current capacity of KPCo. In October 2021, AEP entered into an agreement to sell its Kentucky operations to Algonquin Power & Utilities. The sale is expected to close in January 2023 following regulatory approvals. 2032 includes forecasted additions and retirements and excludes previously identified projected resource additions for KPCo.

2032 coal capacity includes Amos, Mountaineer and Mitchell plants as the WVPSC approved ELG investment to keep optionality for these plants to operate post 2028. 2032 coal capacity also includes SWEPCO's Turk and Flint Creek plants.

2032 Hydro, Wind, Solar and Storage capacity includes unregulated contracted renewable assets business announced for sale in 2022. Excluding this capacity would not materially change 2032 projected capacity mix.

# Proven Track Record of Reducing Fleet Emissions

## Forecasted CO<sub>2</sub> Emissions (Scope 1)



**63%**

Reduction in CO<sub>2</sub> emissions from 152M metric tons in 2005 to 56M metric tons in 2021

**98%**

Reduction in SO<sub>2</sub> emissions between 1990-2021

**95%**

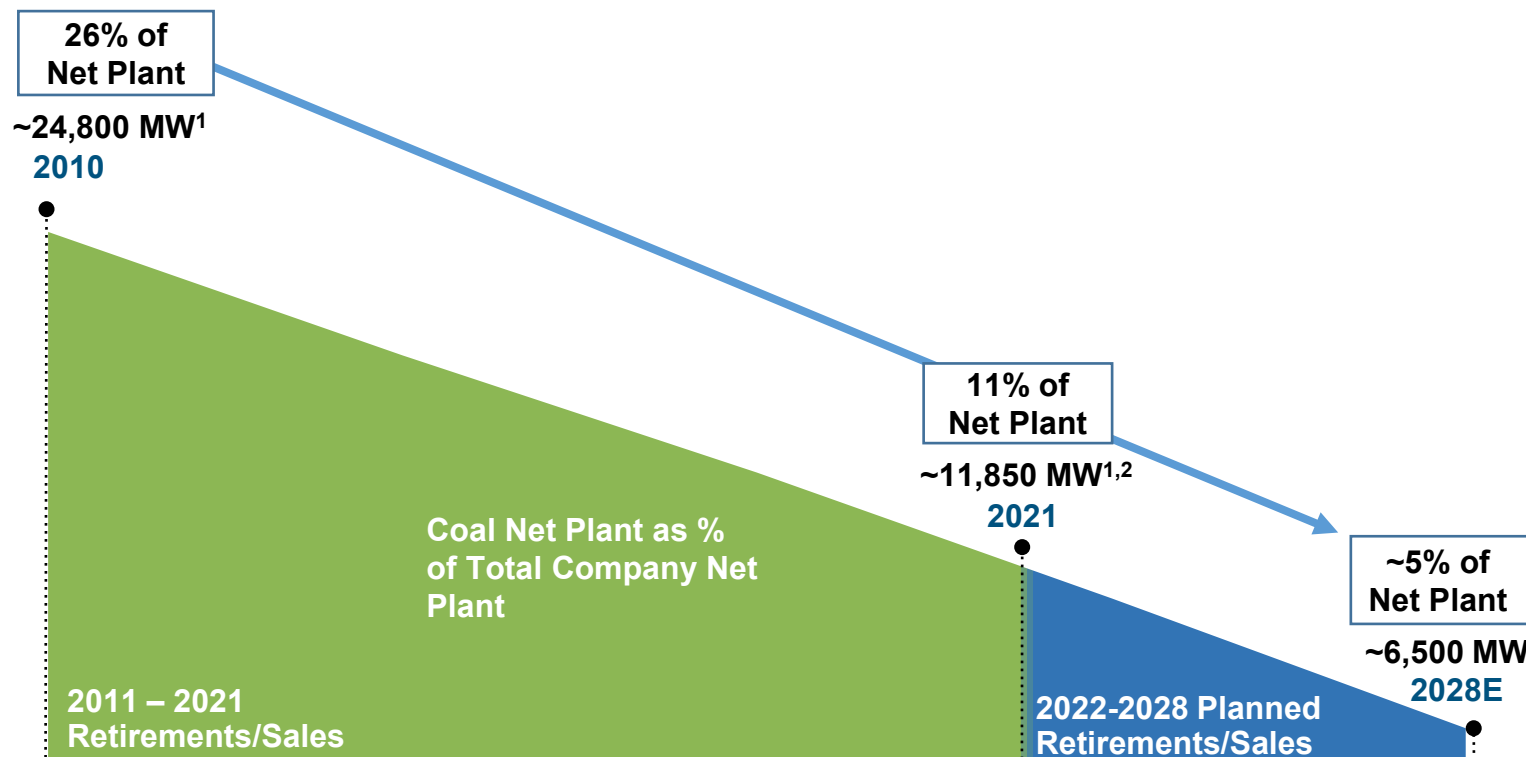
Reduction in NO<sub>x</sub> emissions between 1990-2021

**97%**

Reduction in mercury air emissions from 2001-2021

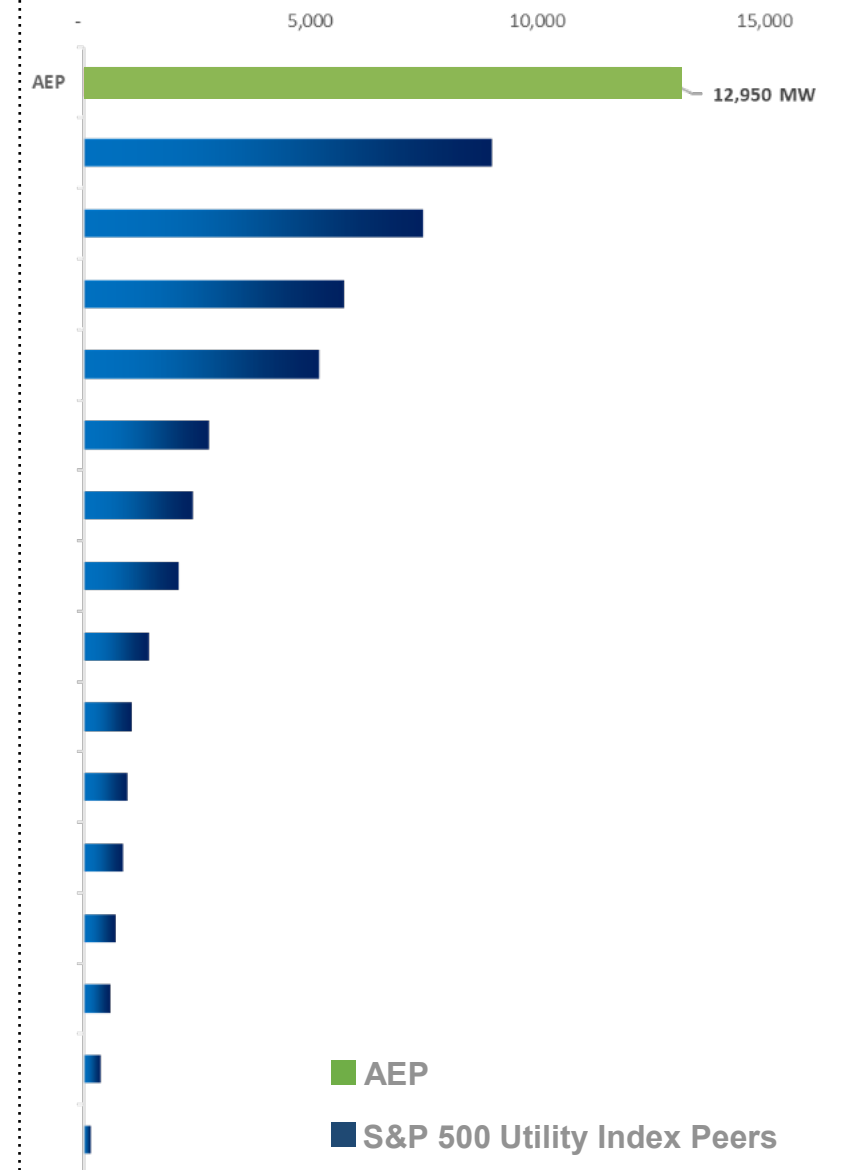
Projections based upon latest filed Integrated Resource Plans for regulated companies and also assumes an extension of the Cook nuclear power plant through the forecast period. Ability to meet the transition timeline is dependent upon market availability of resources, regulatory approvals, transmission system availability, etc.

# Retirement Progress and Plans



Year	Plant	Capacity	Year	Plant	Capacity	Year	Plant	Capacity
2011	Sporn 5	450 MW	2016	Big Sandy 1	278 MW	2022 <sup>3</sup>	Cardinal 1	595 MW
2012	Conesville 3	165 MW	2016	Clinch River 1-2	470 MW	2023	Pirkey	580 MW
2014	Beckjord	53 MW	2016	Northeastern 4	470 MW	2026	Northeastern 3	465 MW
2015	Big Sandy 2	800 MW	2016	Welsh 2	528 MW	2028	Rockport 1	1,310 MW
2015	Clinch River 3	235 MW	2017	Gavin 1-2	2,640 MW	2028	Rockport 2	1,310 MW
2015	Glen Lyn 5-6	335 MW	2017	Zimmer	330 MW	2028	Welsh	1,053 MW
2015	Kammer 1-3	630 MW	2018	Stuart 1-4	600 MW			
2015	Kanawha River 1-2	400 MW	2019	Conesville 5-6	820 MW			
2015	Muskingum River 1-5	1,440 MW	2020	Conesville 4	651 MW			
2015	Picway 5	100 MW	2020	Oklaunion	460 MW			
2015	Sporn 1-4	600 MW	2021	Dolet Hills	257 MW			
2015	Tanners Creek 1-4	995 MW						

**AEP Has Retired or Divested the Most Coal Generation in the Industry Since 2010<sup>4</sup>**



<sup>1</sup> Total includes owned coal units and the Rockport 2 lease; excludes AEP's investment in OVEC.

<sup>2</sup> Includes 2012 Turk Plant addition.

<sup>3</sup> In April 2022, AEP executed simultaneous agreements with Buckeye Power to sell Cardinal 1 and purchase 100% of the output through 2028 via a PPA. The sale was completed in August 2022.

<sup>4</sup> Chart represents AEP vs. S&P 500 Utility Index peers; data sourced from 10-K filings and company presentations and publications.



# Generation Summary

## Net Maximum Capacity

(MW)

Company	Owned Renewable	Owned Gas	Owned Nuclear	Owned Coal	PPA Renewable	PPA Gas	PPA Coal	Total Capacity
AEP Generating Company <sup>1</sup>	-	-	-	1,310	-	-	-	1,310
Appalachian Power Company	785	1,646	-	4,250	610	-	338 <sup>2</sup>	7,629
Wheeling Power Company	-	-	-	780	-	-	-	780
Indiana Michigan Power Company	56	-	2,296	1,310	450	-	169 <sup>2</sup>	4,281
AEP Ohio	-	-	-	-	209	-	429 <sup>2</sup>	638
Public Service Company of Oklahoma	674	3,241	-	465	1,137	260	-	5,777
Southwestern Electric Power Company	809	2,408	-	2,368	469	-	-	6,054
Competitive	1,782	24	-	-	177	-	595 <sup>3</sup>	2,578
<b>Total Capacity</b>	<b>4,106</b>	<b>7,319</b>	<b>2,296</b>	<b>10,483</b>	<b>3,052</b>	<b>260</b>	<b>1,531</b>	<b>29,047</b>
Energy Efficiency/Demand Response								708
<b>Total Capacity and EE/DR</b>								<b>29,755</b>

<sup>1</sup> AEP Generating Company has a PPA with I&M (70%) and KPCo (30%) for its owned Rockport capacity.

<sup>2</sup> Represents AEP's 39.2% interest in Ohio Valley Electric Corporation (OVEC).

<sup>3</sup> Relates to the Cardinal 1 PPA.

As of 9/30/2022

# Owned Generation

Plant Name	Units	State	Plant Commission Date	Fuel Type	Coal / Lignite	Gas	Nuclear	Hydro	Wind	Solar	Net Maximum Capacity (MW)
<b>AEP Generating Company</b>											
Rockport <sup>1</sup>	2	IN	1984	Steam - Coal	1,310						1,310
<b>Appalachian Power Company</b>											
Buck	3	VA	1912	Hydro				11			11
Byllesby	4	VA	1912	Hydro				19			19
Claytor	4	VA	1939	Hydro				75			75
Leesville	2	VA	1964	Hydro				50			50
London	3	WV	1935	Hydro				14			14
Marmet	3	WV	1935	Hydro				14			14
Niagara	2	VA	1906	Hydro				2			2
Winfield	3	WV	1938	Hydro				15			15
Smith Mountain	5	VA	1965	Pumped Storage				585			585
Ceredo	6	WV	2001	Natural Gas		516					516
Clinch River	2	VA	1958/2016	Natural Gas		465					465
Dresden	1	OH	2012	Natural Gas		665					665
Amos	3	WV	1971	Steam - Coal	2,930						2,930
Mountaineer	1	WV	1980	Steam - Coal	1,320						1,320
					4,250	1,646		785			6,681
<b>Wheeling Power Company</b>											
Mitchell	2	WV	1971	Steam - Coal	780						780

<sup>1</sup> PPA with I&M (70%) and KPCo (30%) for capacity and energy entitlements.

As of 9/30/2022

# Owned Generation

Plant Name	Units	State	Plant Commission Date	Fuel Type	Coal / Lignite	Gas	Nuclear	Hydro	Wind	Solar	Net Maximum Capacity (MW)
<b>Indiana Michigan Power Company</b>											
Berrien Springs	12	MI	1908	Hydro				7			7
Buchanan	10	MI	1919	Hydro				3			3
Constantine	4	MI	1921	Hydro				1			1
Elkhart	3	IN	1913	Hydro				3			3
Mottville	4	MI	1923	Hydro				2			2
Twin Branch	6	IN	1904	Hydro				4			4
Deer Creek	1	IN	2016	Solar						3	3
Olive	1	IN	2016	Solar						5	5
Twin Branch	1	IN	2016	Solar						3	3
Watervliet	1	MI	2016	Solar						5	5
St. Joseph	1	IN	2021	Solar						20	20
Rockport	2	IN	1984	Steam - Coal	1,310						1,310
Cook	2	MI	1975	Steam - Nuclear			2,296				2,296
					<b>1,310</b>		<b>2,296</b>	<b>20</b>		<b>36</b>	<b>3,662</b>
<b>Public Service Company of Oklahoma</b>											
Traverse	1	OK	2022	Wind					454		454
Sundance	1	OK	2021	Wind					90		90
Maverick	1	OK	2021	Wind					130		132
Comanche	1	OK	1973	Steam - Natural Gas		248					248
Northeastern (1&2)	2	OK	1961	Steam - Natural Gas		905					903
Riverside (1&2)	2	OK	1974	Steam - Natural Gas		896					896
Riverside (3&4)	2	OK	2008	Steam - Natural Gas		160					160
Southwestern (1-3)	3	OK	1952	Steam - Natural Gas		446					446
Southwestern (4&5)	2	OK	2008	Steam - Natural Gas		168					168
Tulsa	2	OK	1923	Steam - Natural Gas		318					318
Weleetka	3	OK	1975	Steam - Natural Gas		100					100
Northeastern (3)	1	OK	1979	Steam - Coal	465						465
					<b>465</b>	<b>3,241</b>			<b>674</b>		<b>4,380</b>

As of 9/30/2022



# Owned Generation

Plant Name	Units	State	Plant Commission Date	Fuel Type	Coal / Lignite	Gas	Nuclear	Hydro	Wind	Solar	Storage	Net Maximum Capacity (MW)
<b>Southwestern Electric Power Company</b>												
Traverse	1	OK	2022	Wind					544			544
Sundance	1	OK	2021	Wind					109			109
Maverick	1	OK	2021	Wind					156			156
Stall	1	LA	2010	Natural Gas		534						534
Mattison	4	AR	2007	Natural Gas		314						314
Arsenal Hill	1	LA	1960	Steam - Natural Gas		110						110
Lieberman	3	LA	1947	Steam - Natural Gas		217						217
Knox Lee	4	TX	1950	Steam - Natural Gas		344						344
Wilkes	3	TX	1964	Steam - Natural Gas		889						889
Welsh	2	TX	1977	Steam - Coal	1,053							1,053
Flint Creek	1	AR	1978	Steam - Coal	258							258
Turk	1	AR	2012	Steam - Coal	477							477
Pirkey	1	TX	1985	Steam – Lignite	580							580
<b>Total</b>					<b>2,368</b>	<b>2,408</b>			<b>809</b>			<b>5,585</b>
<b>Total Regulated</b>					<b>10,483</b>	<b>7,295</b>	<b>2,296</b>	<b>805</b>	<b>1,483</b>	<b>36</b>		<b>22,398</b>
<b>Competitive</b>												
Trent Mesa									156			156
Desert Sky									170			170
OnSite/Renewables						24			1,109	327	20	1,480
<b>Total Competitive</b>						<b>24</b>			<b>1,435</b>	<b>327</b>	<b>20</b>	<b>1,806</b>
<b>Total Owned Net Maximum Capacity</b>					<b>10,483</b>	<b>7,319</b>	<b>2,296</b>	<b>805</b>	<b>2,918</b>	<b>363</b>	<b>20</b>	<b>24,204</b>

As of 9/30/2022

# PPA Resources

Company and Plant Name	State	PPA Renewables			Gas	Coal	Total MWs
		Hydro	Wind	Solar			
Appalachian Power Company							
Bluff Point	IN		120				120
Camp Grove	IL		75				75
Beech Ridge	WV		101				101
Fowler Ridge III	IN		99				99
Grand Ridge II and III	IL		100				100
Gauley River (Summersville)	WV	80					80
Leatherwood	VA			20			20
Depot Solar	VA			15			15
OVEC Entitlement						338	338
Total		80	495	35		338	948
Indiana Michigan Power Company							
Fowler Ridge I	IN		100				100
Fowler Ridge II	IN		50				50
Wildcat	IN		100				100
Headwaters	IN		200				200
OVEC Entitlement						169	169
Total			450			169	619
AEP Ohio							
Fowler Ridge II	IN		100				100
Wyandot Solar	OH			10			10
Timber Road	OH		99				99
OVEC Entitlement						429	429
Total			199	10		429	638

As of 9/30/2022

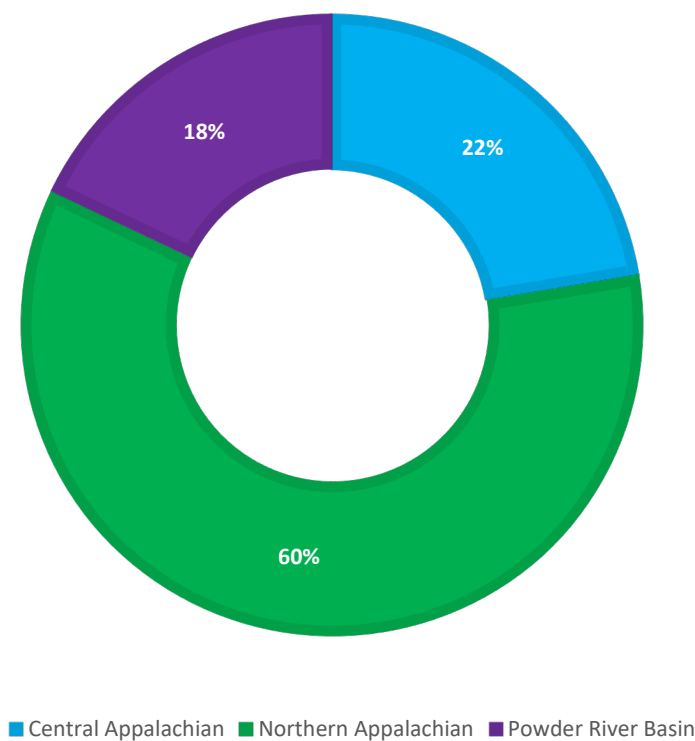
# PPA Resources

Company and Plant Name	State	Hydro	Wind	Solar	Gas	Coal	Total MWs
<b>Public Service Company of Oklahoma</b>							
Weatherford	OK		147				147
Sleeping Bear	OK		94				94
Blue Canyon V	OK		99				99
Minco	OK		99				99
Elk City	OK		99				99
Balko	OK		200				200
Seiling	OK		199				199
Goodwell	OK		200				200
Calpine	OK				260		260
<b>Total</b>			<b>1,137</b>		<b>260</b>		<b>1,397</b>
<b>Southwestern Electric Power Company</b>							
Majestic	TX		79				79
Majestic II	TX		80				80
Flat Ridge II	KS		109				109
Canadian Hills	OK		201				201
<b>Total</b>			<b>469</b>				<b>469</b>
<b>Total Regulated</b>		<b>80</b>	<b>2,750</b>	<b>45</b>	<b>260</b>	<b>936</b>	<b>4,071</b>
<b>Competitive</b>							
South Trent	TX		101				101
Blackrock	WV		76				76
Cardinal (1)	OH					595	595
<b>Total Competitive</b>			<b>177</b>			<b>595</b>	<b>772</b>
<b>Total PPA Resources</b>		<b>80</b>	<b>2,927</b>	<b>45</b>	<b>260</b>	<b>1,531</b>	<b>4,843</b>

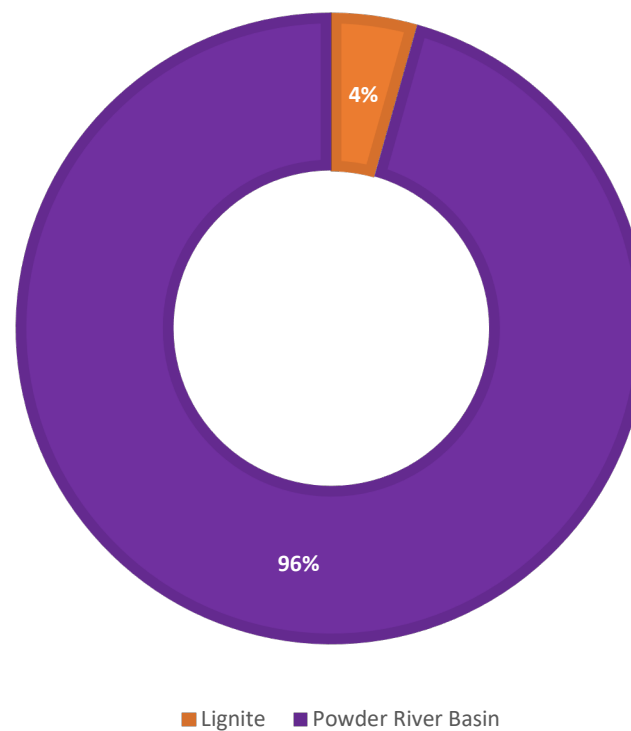
As of 9/30/2022

# Regulated Fuel Procurement – 2023 Projected

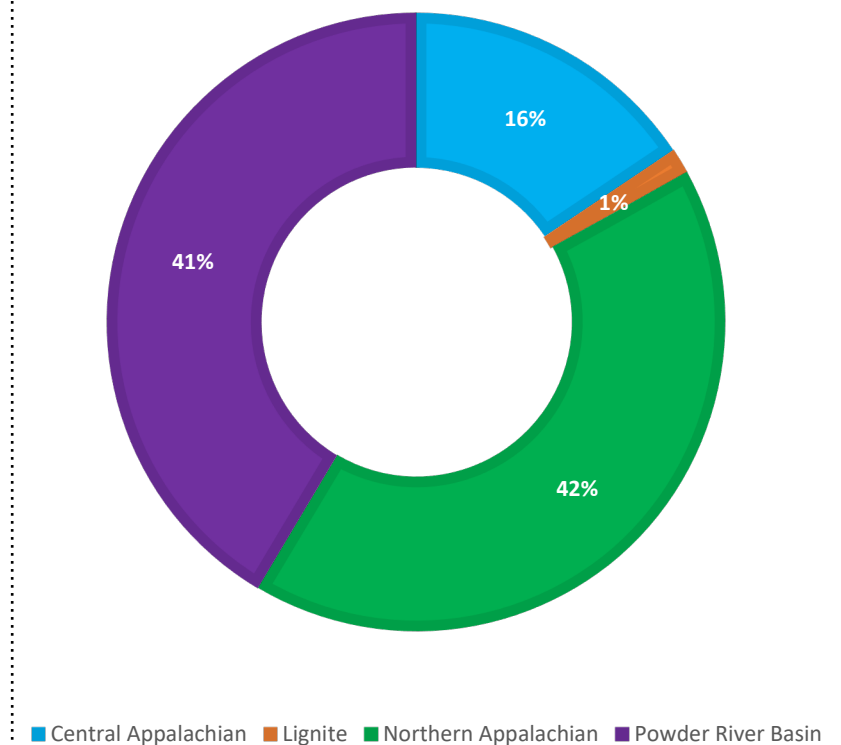
## Coal – East Regulated



## Coal – West Regulated



## Total Coal – Regulated



### Fuel Statistics

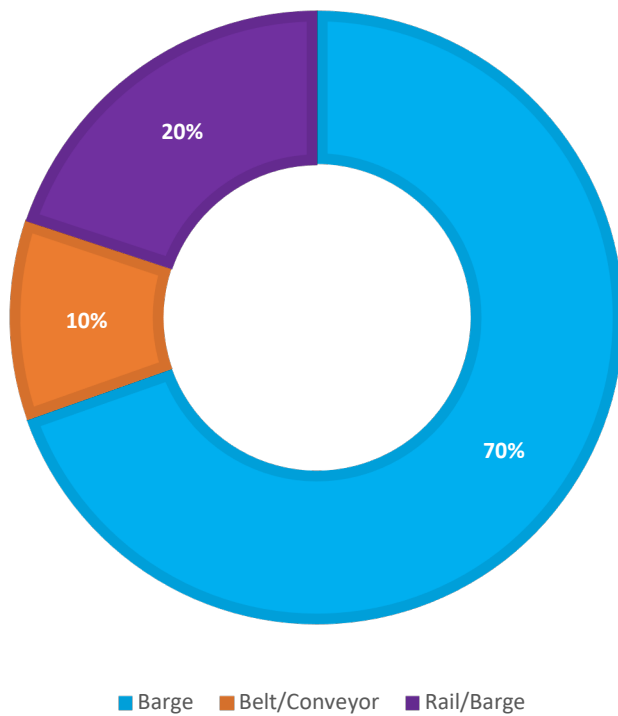
- Expected 2023 Consumption: Coal – ~19.5M tons, Natural Gas – ~73 BCF
- Coal is 96% contracted for 2023 and 98% contracted for 2024
- Average 2022 YTD Regulated Delivered Price: Coal - ~\$55/ton (~\$63/ton for the East, ~\$46/ton for the West), Natural Gas - ~\$7.34/MMBtu
- Projected 2023 Regulated Coal Delivered Price: ~\$63/ton (~\$73/ton for the East, ~\$42/ton for the West)

Note: Kentucky Power's 2023 projected fuel procurement is included in the figures above. Excluding Kentucky Power would not materially change the projections.

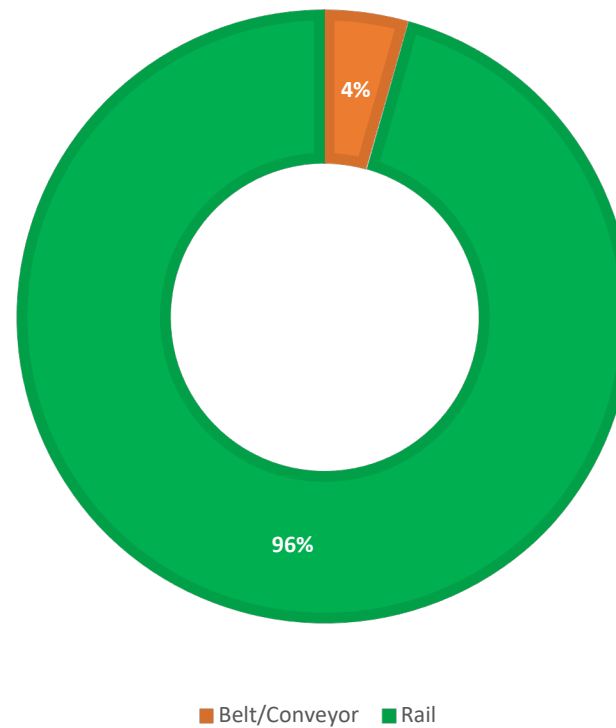


# Regulated Coal Delivery – 2023 Projected

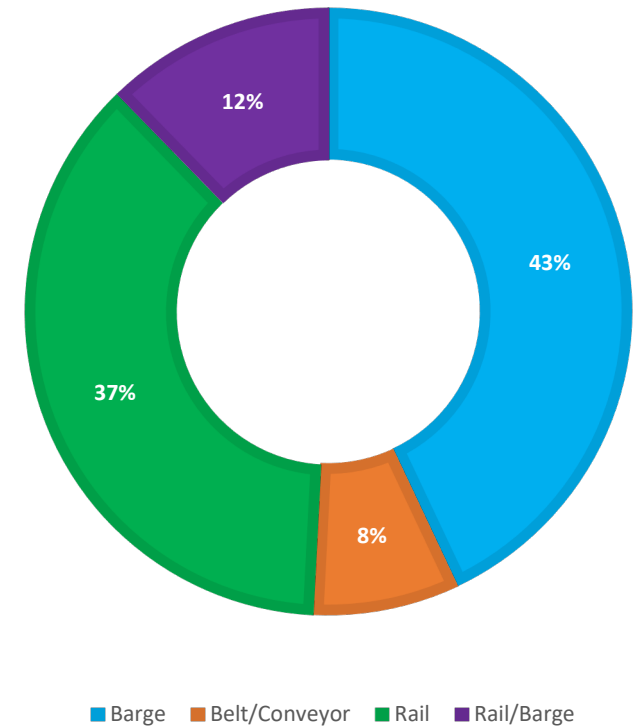
## East Regulated



## West Regulated



## Total AEP Regulated



**Note:**

Rail/Barge represents coal delivered to AEP plants transported through a combination of rail and barge.

Kentucky Power's 2023 projected coal delivery is included in the figures above. Excluding Kentucky Power would not materially change the projections.

# Jurisdictional Fuel Clause Summary

JURISDICTION	ACTIVE FUEL CLAUSE	ADJUSTMENT FREQUENCY
Arkansas	Yes	Annually
Indiana	Yes	Bi-annually
Louisiana	Yes	Monthly
Michigan	Yes	Annually
Oklahoma	Yes	Annually
Tennessee	Yes	Annually
Texas (SPP)	Yes	As Needed/Threshold <sup>1</sup>
Virginia	Yes	Annually
West Virginia	Yes	Annually

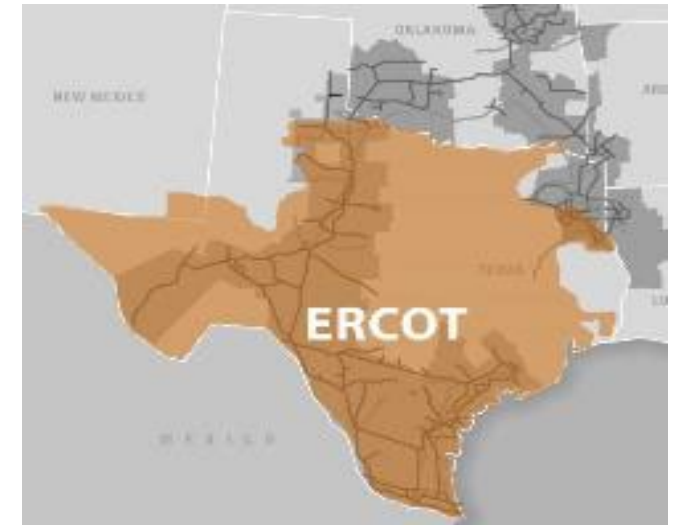
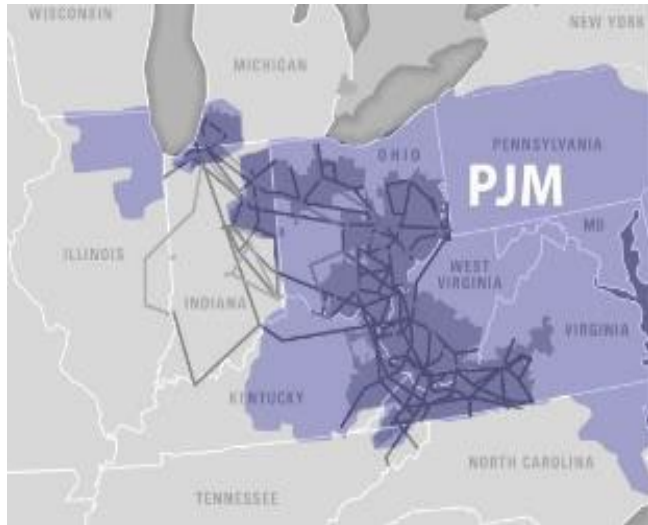
<sup>1</sup> The fuel clause may be revised on an as needed basis through a fuel factor filing in the months of May, September, or January, or it can be revised in a base rate case. The fuel clause may also be adjusted on an emergency interim basis if unforeseeable circumstances cause an under-recovery greater than the annual fuel cost on a rolling 12-month basis.

# TRANSMISSION INITIATIVES

- **Transmission Metrics by RTO**
- **Evolution of Transmission Trackers**
- **Favorable Recovery of Transmission Investment**
- **Transmission Project Mix**
- **AEP Transmission Holdco Legal Entity Structure**
- **AEP Transco Footprint**
- **FERC Formula Rate**
- **Transmission Rate Recovery**
- **Active Joint Venture Companies**
- **Competitive Transmission**
- **ETT**
- **Grid Assurance**



# Transmission Metrics by RTO



	<b>PJM</b>	<b>SPP</b>	<b>ERCOT</b>
Transmission Stations	1,346	396	350
Transmission Line Miles	20,515	7,911	8,518
Retail Customers <sup>1</sup>	3,216,172	1,114,349	1,079,580
Transmission Annual Cost Per Customer	\$422	\$238	\$454
AEP Percentage of Line Miles	24%	11%	18%
AEP Percentage of Peak	14%	22%	9%

<sup>1</sup> As of 9/30/2022



# Evolution of Transmission Trackers

## PJM Trackers

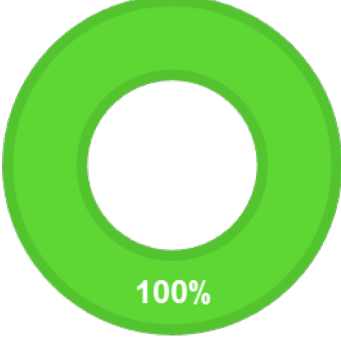
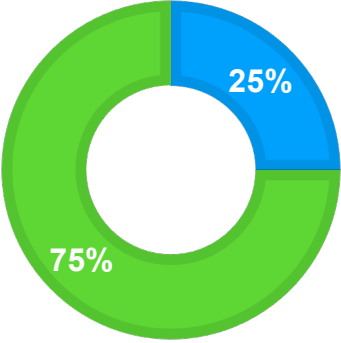
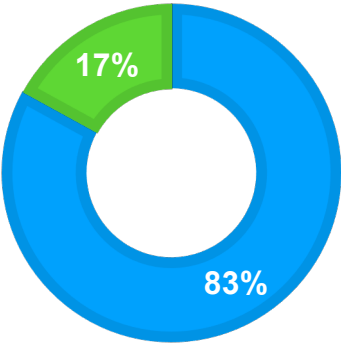
2005

2010

2022

Base Rates

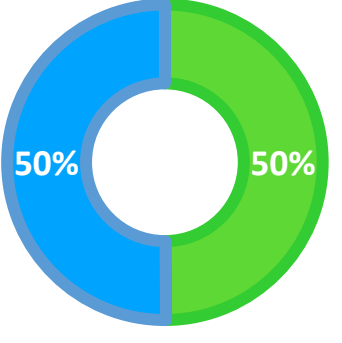
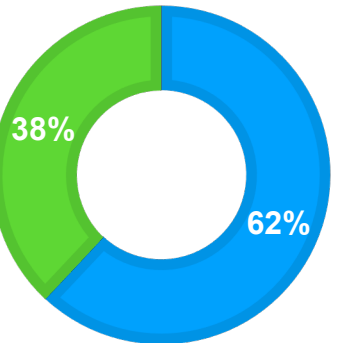
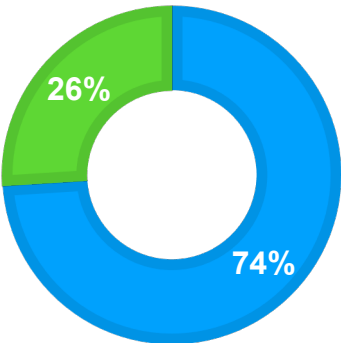
Trackers



## SPP Trackers

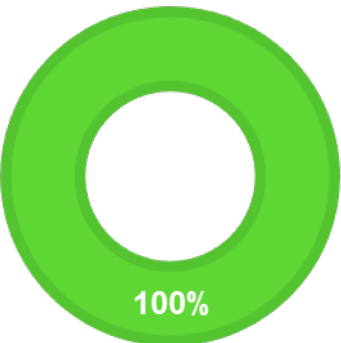
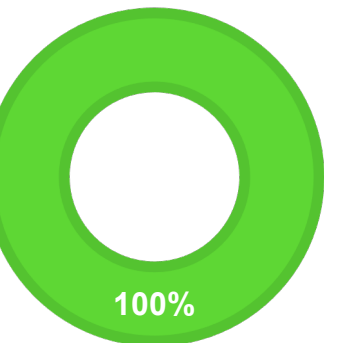
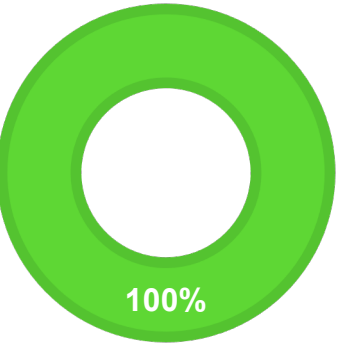
Base Rates

Trackers



## ERCOT Trackers

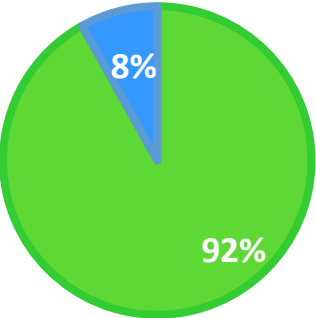
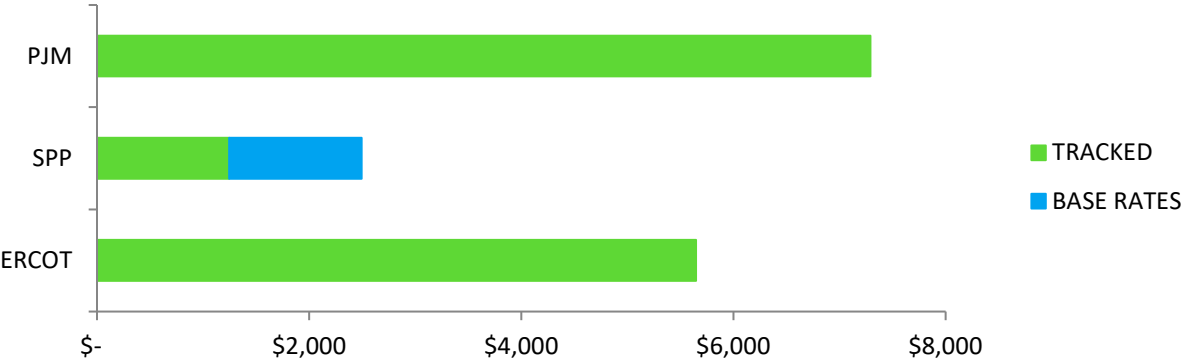
Trackers



# Favorable Recovery of Transmission Investment

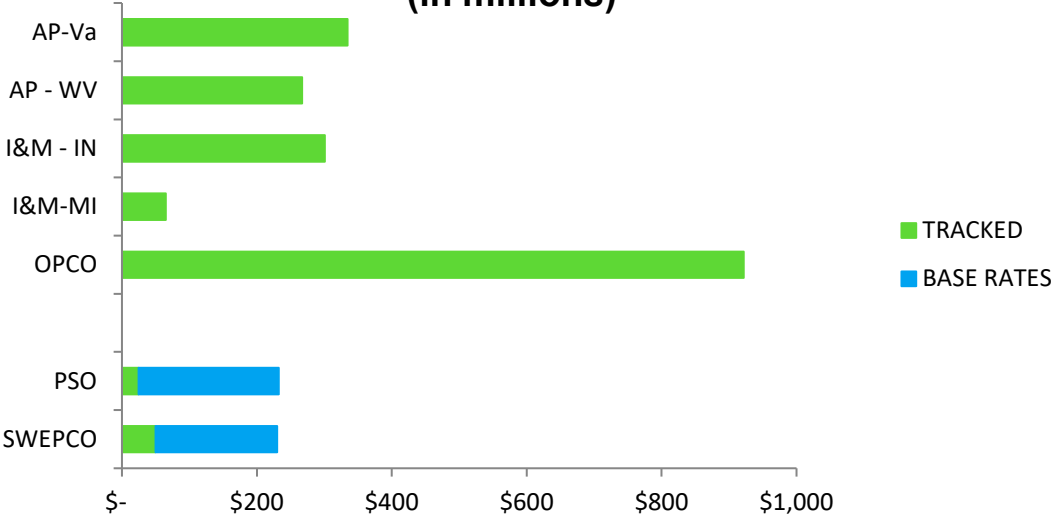
## Jurisdictional Capital Investment Recovery Mechanism

2022 Recoverable Plant in Service  
(in millions)



- Projected \$14.1 billion of 2022 net plant in service is recoverable through trackers and from wholesale customers
- Projected \$1.3 billion of 2022 net plant in service is recoverable through base rates

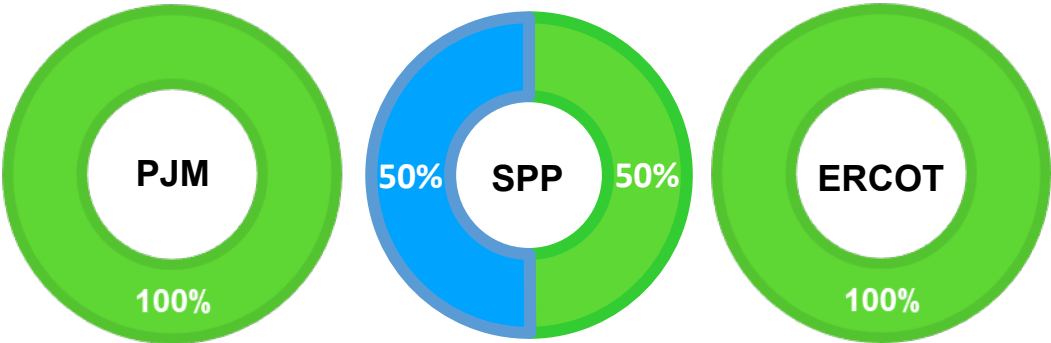
Projected 2022 OATT Expense  
(in millions)



- Projected \$1.9 billion of 2022 PJM and SPP expenses will be recovered through trackers
- Projected \$388 million of 2022 SPP expenses must be recovered through either existing or future base rates

Jurisdictional trackers provide the most efficient recovery of transmission investment

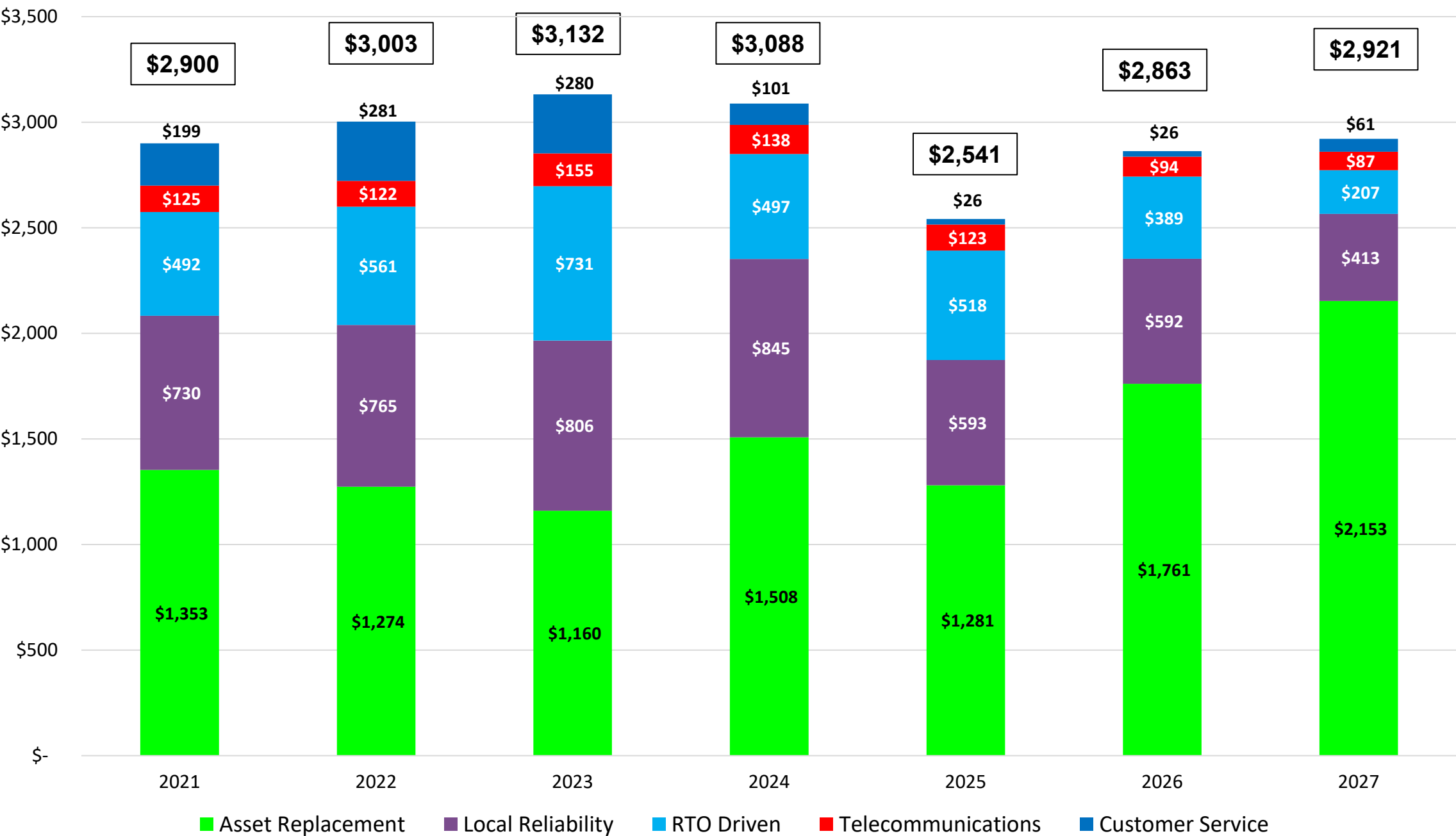
2022 Capital – Projected Recovery by RTO



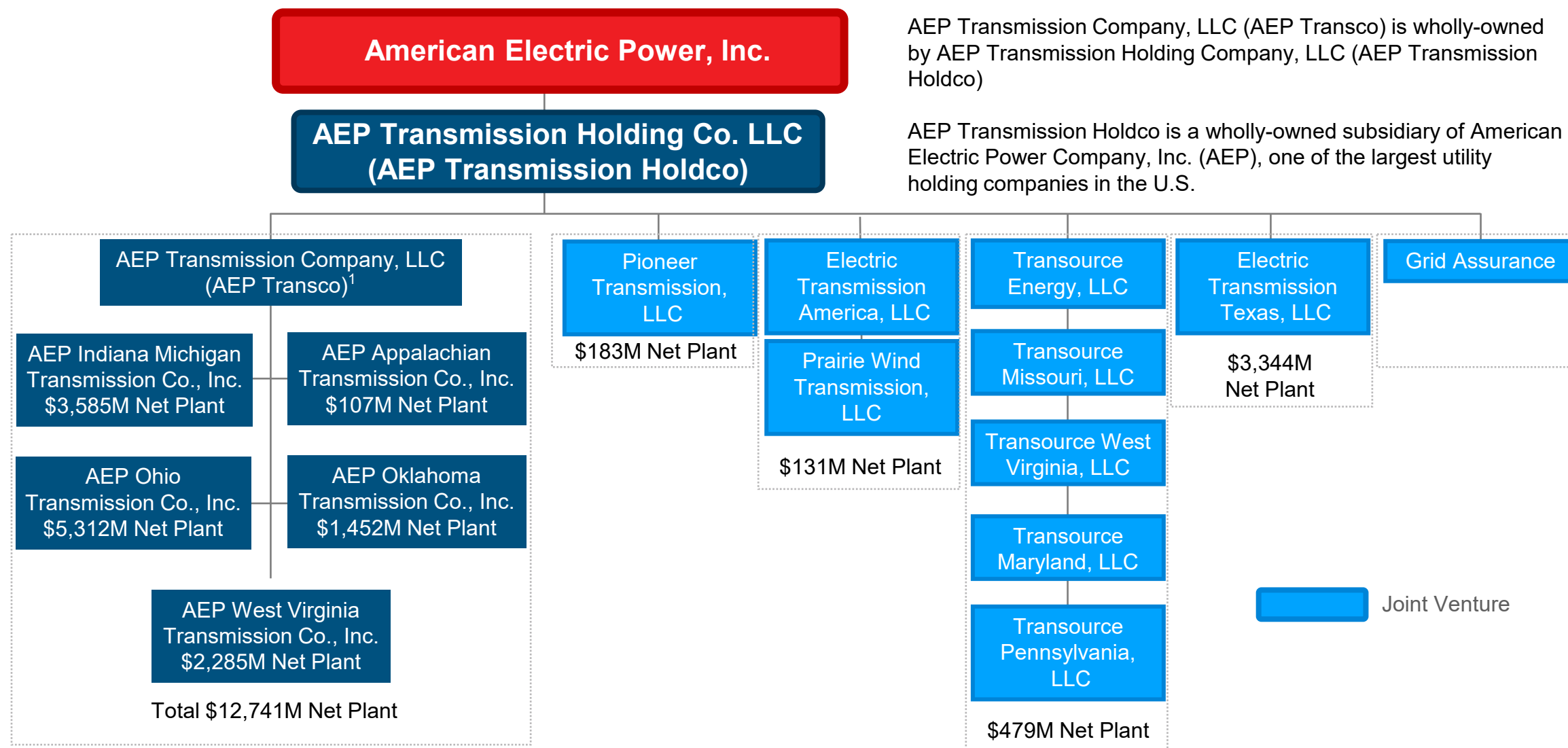
Note: Investment based on 2022 formula rate filings.

# Transmission Project Mix

Transmission Projected Capital Investments by Project Category  
(in millions)



# AEP Transmission Holdco Legal Entity Structure



AEP Transmission Company, LLC (AEP Transco) is wholly-owned by AEP Transmission Holding Company, LLC (AEP Transmission Holdco)

AEP Transmission Holdco is a wholly-owned subsidiary of American Electric Power Company, Inc. (AEP), one of the largest utility holding companies in the U.S.

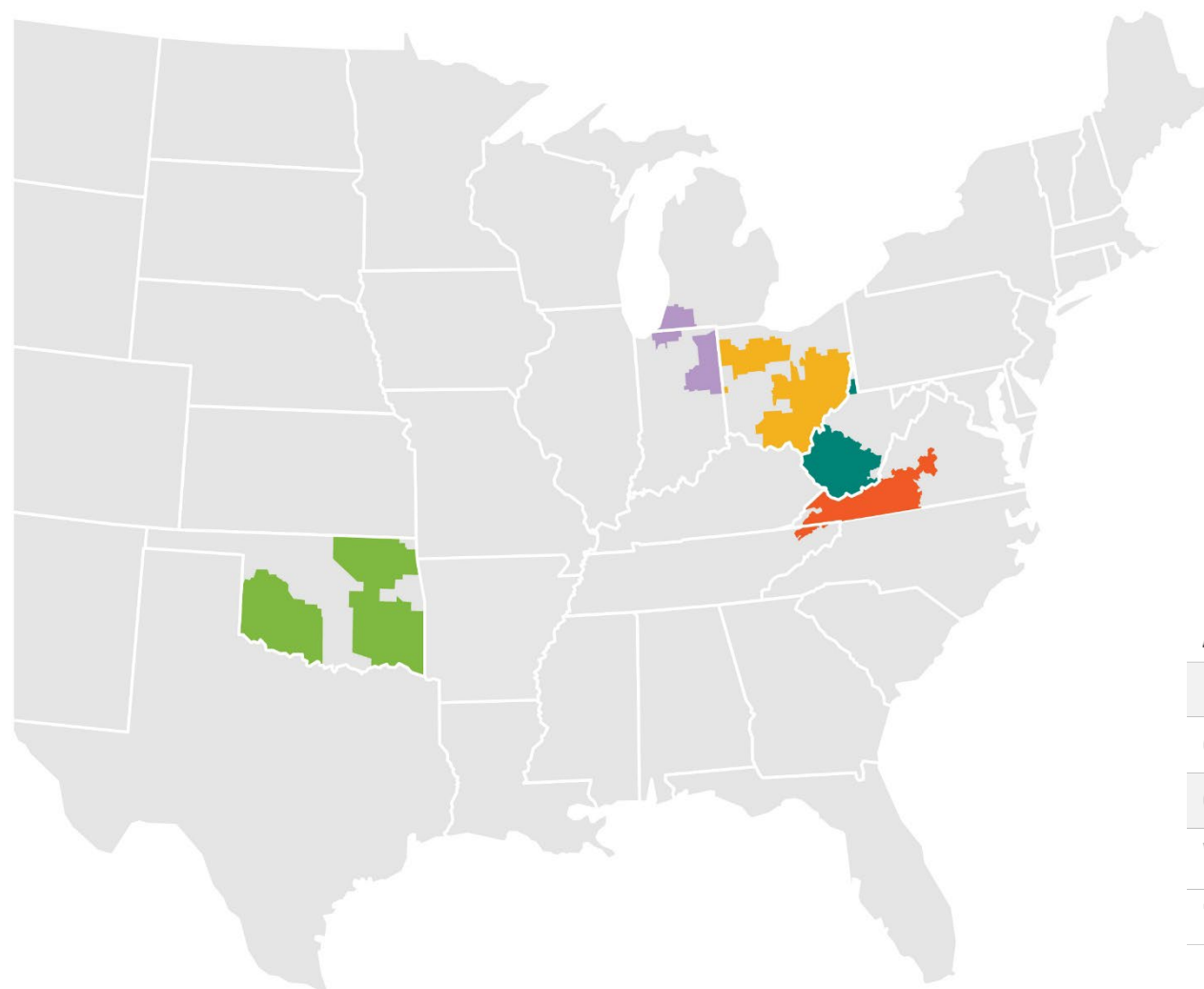
Joint Venture net plant balances are inclusive of non-affiliate share.

Net plant totals as of 9/30/2022.

<sup>1</sup> Debt issued at AEP Transco level for transmission companies.



# AEP Transco Footprint



## AEP State Transcos

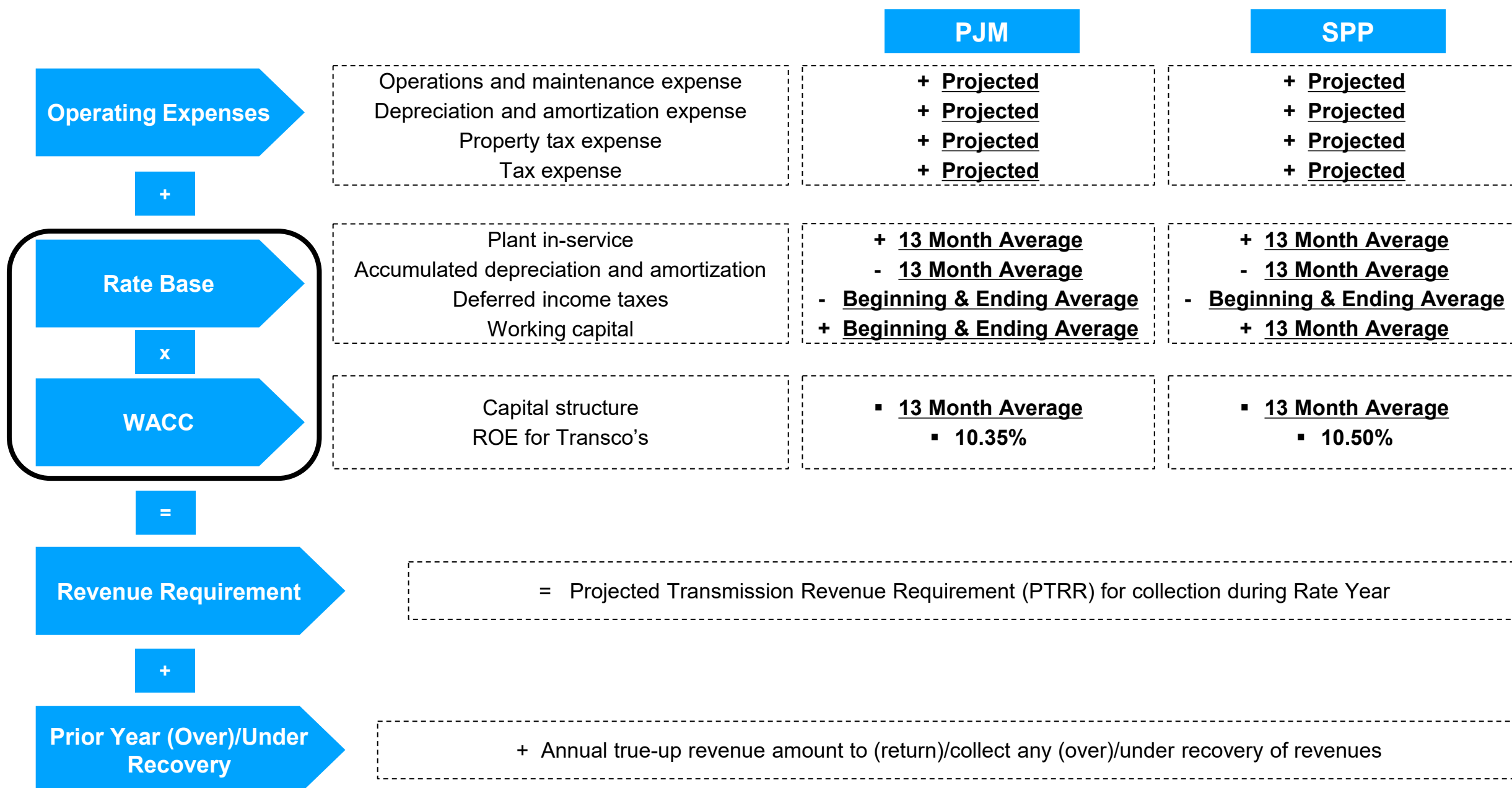
- AEP Appalachian Transmission Co., Inc.
- AEP Indiana Michigan Transmission Co., Inc.
- AEP Ohio Transmission Co., Inc.
- AEP Oklahoma Transmission Co., Inc.
- AEP West Virginia Transmission Co., Inc.

State Transco	Net Transmission Plant as of 9/30/2022 (in millions)	2023-2027 Capital Plan (in millions) <sup>1</sup>
AP Transco	\$107	\$112
IM Transco	\$3,585	\$1,067
OH Transco	\$5,312	\$2,583
OK Transco	\$1,452	\$792
WV Transco	\$2,285	\$1,002
<b>Total</b>	<b>\$12,741</b>	<b>\$5,556</b>

<sup>1</sup> Excludes Transource investment.

# FERC Formula Rate

The Transcos benefit from a transparent, forward-looking formula rate mechanism, authorized by FERC, which minimizes regulatory lag



# Transmission Rate Recovery

Company	RTO	Capital Structure % Equity Cap	Rate Base (as of 12/31/2021)	Authorized Return On Equity		
				Base	RTO <sup>1</sup>	Total
AP Transco	PJM	55%	\$ 95M	9.85%	0.50%	10.35%
IM Transco	PJM	55%	\$ 3.0B	9.85%	0.50%	10.35%
OH Transco	PJM	55%	\$ 4.3B	9.85%	0.50%	10.35%
WV Transco	PJM	55%	\$ 1.8B	9.85%	0.50%	10.35%
OK Transco	SPP	Actuals	\$ 1.1B	10.00%	0.50%	10.50%

<sup>1</sup> In April 2021, the FERC issued a supplemental Notice of Proposed Rulemaking (NOPR) proposing to modify its incentive for transmission owners that join RTOs (RTO Incentive). Under the supplemental NOPR, the RTO Incentive would be modified such that a utility would only be eligible for the RTO Incentive for the first three years after the utility joins a FERC-approved Transmission Organization. The supplemental NOPR requires utilities that have received the RTO Incentive for three or more years to eliminate the incentive from its tariff prospectively.

# Active Joint Venture Companies

Project Name	Location	Completion Date	Owners	Total Estimated/Actual Project Costs at Completion	Authorized Return on Equity			
					Base	RTO	Project Risk	Total
ETT	Texas (ERCOT)	Ongoing	BHE (50%), AEP (50%)	\$3,900M <sup>2</sup>	9.60%	0.00%	0.00%	9.60%
Prairie Wind	Kansas	2014	Evergy, Inc. (50%), BHE (25%), AEP (25%)	\$ 158M	10.80%	0.50%	1.50%	12.80%
Pioneer Project	Indiana	2018	Duke Energy (50%), AEP (50%)	\$ 191M	10.02%	0.50%	0.00%	10.52%
Transource-Iatan-Nashua	Missouri	2015	AEP (86.5%), Evergy, Inc. (13.5%)	\$ 64M	9.80%	0.50%	0.00%	10.30%
Transource-Nebraska-Sibley	Missouri	2016	AEP (86.5%), Evergy, Inc. (13.5%)	\$ 247M	9.80%	0.50%	1.00%	11.30%
Transource-WV	West Virginia	2019	AEP (86.5%), Evergy, Inc. (13.5%)	\$ 86M	10.00%	0.50%	0.00%	10.50%
Transource-Sooner-Wekiwa <sup>1</sup>	Oklahoma	2026E	AEP (86.5%), Evergy, Inc. (13.5%)	\$ 111M	NA	NA	NA	10.30%

Non-active joint ventures and prospects excluded from the financial forecasts.

Due to the suspension of the IEC project in September 2021, Transource PA & MD are excluded from this chart.

<sup>1</sup> The project will have an all-in ROE of 10.30%, the base and RTO adder are not distinguished separately.

<sup>2</sup> As of 2023 based on an estimate from ETT's latest Board of Manager approved forecast.



# Competitive Transmission -

## Operating Expenses

- + Projected operations and maintenance expense
- + Projected depreciation and amortization expense
- + Projected property tax expense

+

## Rate Base

x

## WACC

- + Projected 13 month average net plant in-service
- + Projected 13 month average CWIP balance (to the extent CWIP was approved for the project)
- + Projected average regulatory asset balance
- + Projected average working capital allowance
- Projected average net deferred income taxes

=

## Revenue Requirement

= Projected Transmission Revenue Requirement (PTRR) for collection during Rate Year

+

## Prior Year (Over)/Under Recovery

- + Annual true-up revenue amount to (return)/collect any (over)/under recovery of prior revenues

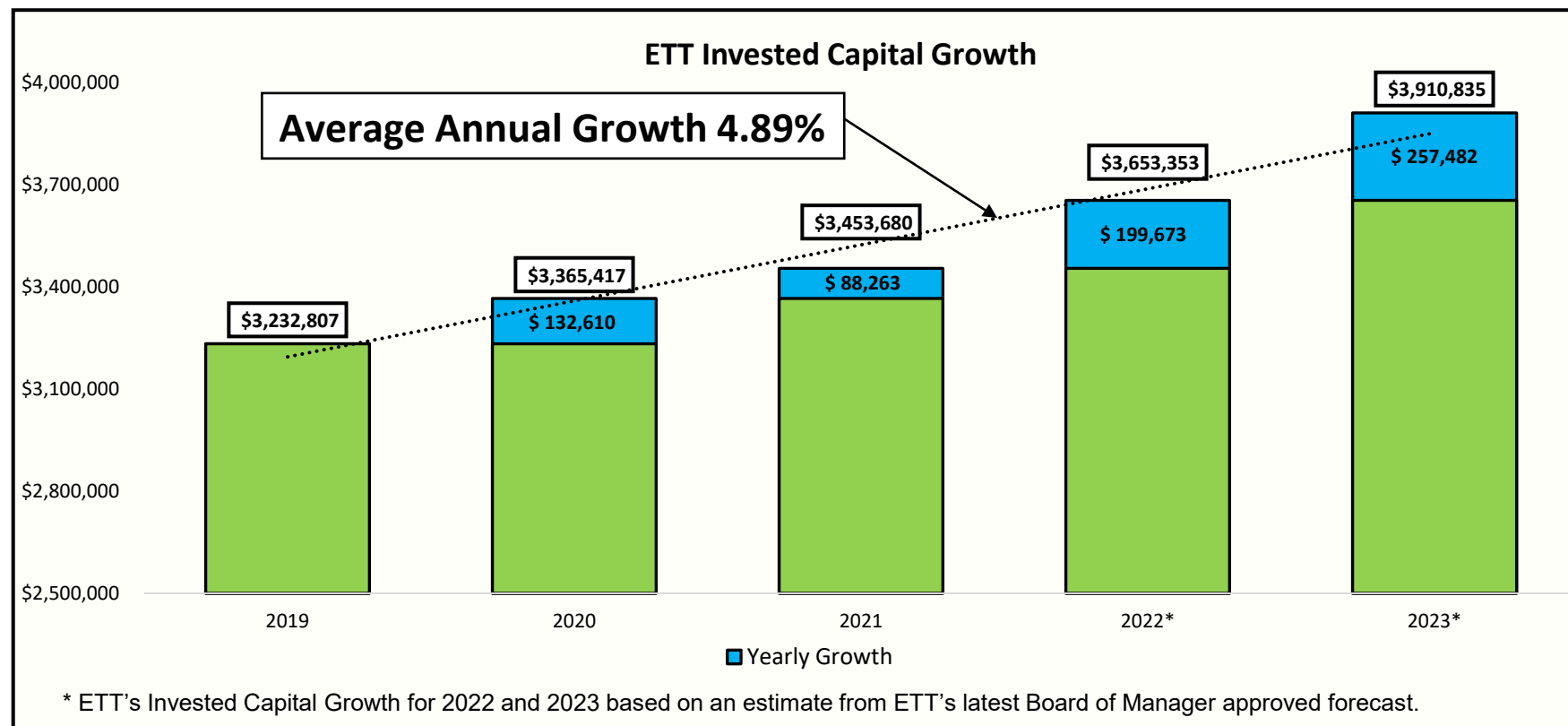
- FERC approves formula rate features on a project-by-project basis, including any incentive rate adders and mechanisms for abandonment, return on CWIP, recovery or pre-commercial costs and hypothetical capital structure during construction.
- PTRR is filed annually based on the projected cost of service for the upcoming year, establishing rates for the one-year forward period of January to December ("Rate Year").
- PTRR is trued up to actual costs after the year ends, essentially guaranteeing full cost recovery.

Transource benefits from transparent, FERC-authorized, fully forward-looking formula rate mechanism, with a true-up. This allows Transource to minimize regulatory lag and ensure full and timely recovery of costs.

## Electric Transmission Texas

Partners	AEP (50%) and BHE US Transmission (50%)
Formation	Operating Agreement executed in Dec. 2007
Estimated Project Cost (Through 2023)	<ul style="list-style-type: none"> <li>CREZ Spend – \$1.6 Billion</li> <li>Non CREZ Spend – \$2.3 Billion</li> </ul>
In Service Date	<ul style="list-style-type: none"> <li>CREZ: End of 2013</li> <li>Non CREZ: On-going dates through 2023</li> </ul>
Mileage and Stations	1,874 Circuit miles of transmission lines and 39 company-owned stations
Location	Texas (ERCOT) – Various locations
Regulatory	<ul style="list-style-type: none"> <li>Authorized ROE of 9.6%</li> <li>Actual ROE for July 2022 was 10.77%</li> <li>60/40 debt to equity ratio</li> </ul>

- Actively pursuing projects in ERCOT through expedited generation interconnection and ERCOT reliability projects
- Uniquely positioned to deliver renewable generation interconnection in 12-18 months vs. 24 months or more by others in ERCOT



Grid Assurance is an industry-led solution providing the most certain, secure and cost-effective solution to expedite the restoration of critical, long lead-time transmission equipment following catastrophic grid outages



## Profile

### Grid Assurance provides immediate access to dedicated inventory of critical transmission assets

- Incremental strategic pooled inventory of known spare equipment vital for grid restoration
- Inventory currently consists of multiple classes of EHV transmission transformers and circuit breakers
- Equipment securely stored and maintained according to manufacturer specifications in strategically located warehouses
- Pre-planned logistics for all equipment facilitates rapid equipment delivery from warehouses to impacted locations
- Assets come with transferable warranty even after long-term storage



## Structure

### The Grid Assurance framework represents a major advance for the industry in transmission grid resilience

- Subscribers comprised of 29 transmission owning entities spanning 22 U.S. states
- Current ownership group includes AEP and other transmission owning utilities
- Regulatory cost recovery clarity provided in FERC declaratory orders



## Status

### Grid Assurance LLC operational update

- Full inventory is on hand, securely stored and immediately available to subscribers as needed
- Logistics plans are in place for rapid deployment of inventoried equipment
- Grid Assurance is pursuing growth through additional subscriptions and development of new products
- Quarterly cash payments to owners



# FINANCIAL UPDATE

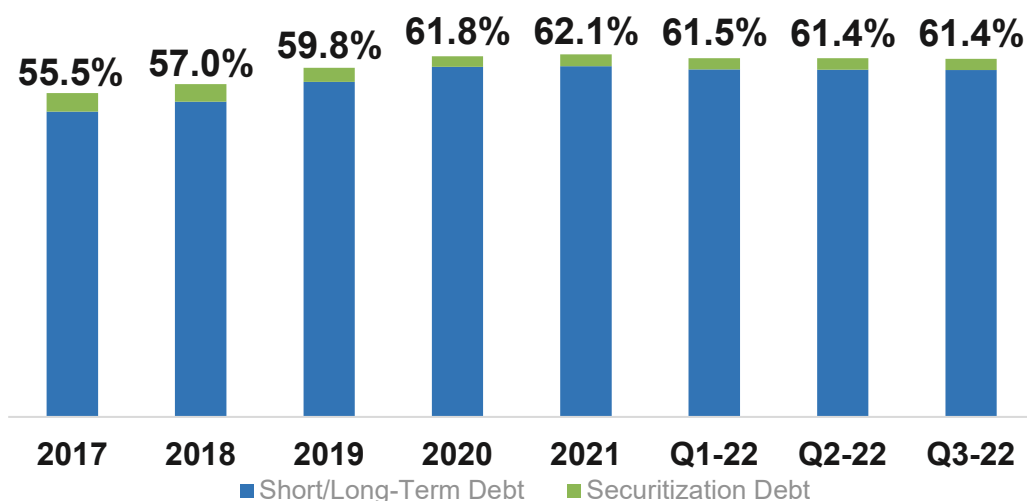
- **Capitalization and Liquidity**
- **Banking Group**
- **Credit Ratings**
- **Long-Term Debt Maturity Profile**
- **Debt Schedules**





# Capitalization and Liquidity

## Total Debt/Total Capitalization

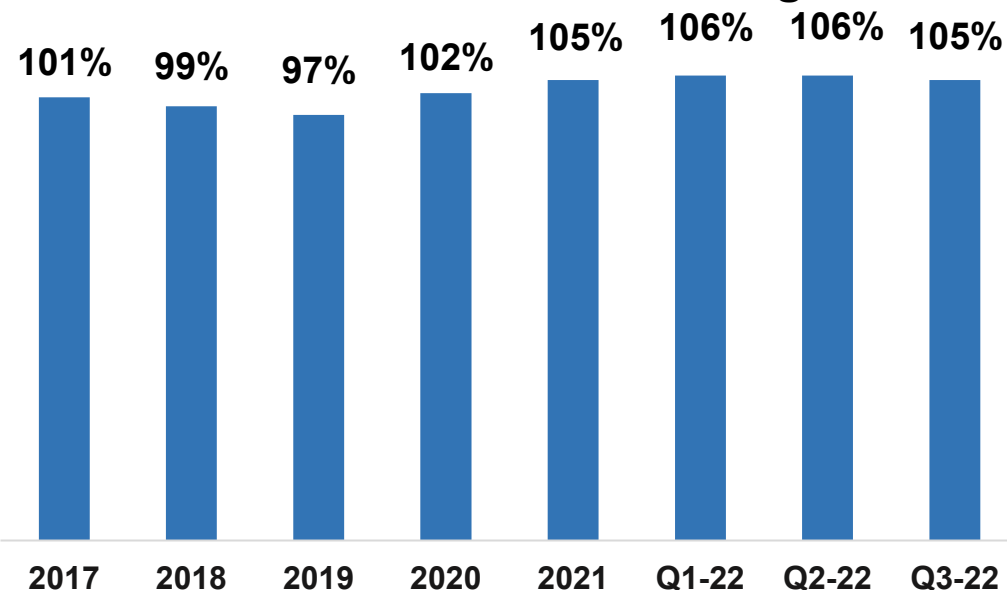


## Credit Statistics

	Moody's	GAAP
FFO to Total Debt	14.5%	14.5%
Targeted Range	14.0%-15.0%	

*Represents the trailing 12 months as of 9/30/2022*

## Qualified Pension Funding

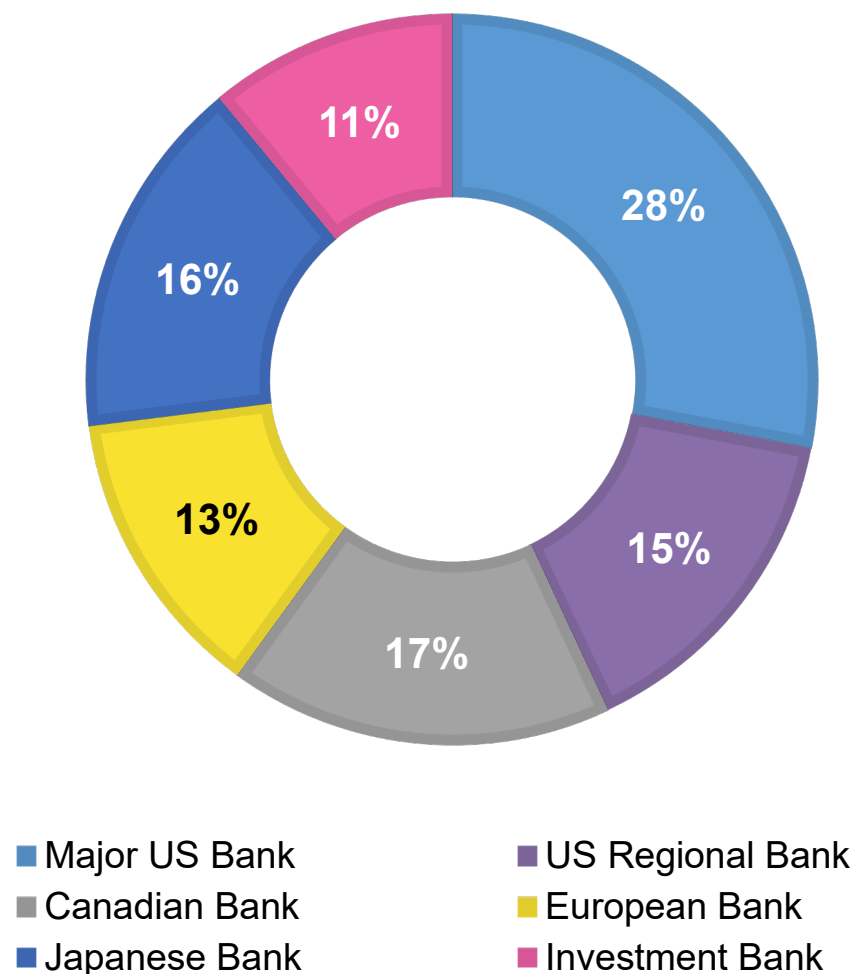


## Liquidity Summary

(\$ in millions)	9/30/2022 Actual	
	Amount	Maturity
Revolving Credit Facility	\$ 4,000	March 2027
Revolving Credit Facility	1,000	March 2024
<b>Plus</b>		
Cash & Cash Equivalents	522	
<b>Less</b>		
Commercial Paper Outstanding	(1,952)	
<b>Net Available Liquidity</b>	<b>\$ 3,570</b>	

# Banking Group

**Lender Composition**



**Lender mix gives AEP geopolitical diversification**

**\$5.0B Core Credit Facilities (as of 9/30/2022)**

		% Share
Wells Fargo	Major US Bank	6.0%
Barclays Bank	European Bank	6.0%
JP Morgan	Major US Bank	6.0%
Bank of America	Major US Bank	6.0%
Citibank	Major US Bank	6.0%
Mizuho	Japanese Bank	6.0%
Bank of Tokyo-Mitsubishi	Japanese Bank	6.0%
The Bank of Nova Scotia	Canadian Bank	6.0%
Canadian Imperial Bank of Commerce	Canadian Bank	3.7%
Credit Agricole	European Bank	3.7%
Credit Suisse	European Bank	3.7%
Goldman Sachs	Investment Bank	3.7%
KeyBank	US Regional Bank	3.7%
Morgan Stanley	Investment Bank	3.7%
PNC Financial	US Regional Bank	3.7%
Royal Bank of Canada	Canadian Bank	3.7%
Sumitomo Mitsui	Japanese Bank	3.7%
The Bank of New York Mellon	Investment Bank	3.7%
Toronto-Dominion Bank	Canadian Bank	3.7%
Truist	US Regional Bank	3.7%
U.S. Bank	Major US Bank	3.7%
Fifth-Third Bank	US Regional Bank	1.95%
Huntington National Bank	US Regional Bank	1.95%
<b>Total</b>		<b>100%</b>

# Credit Ratings

## Current Ratings for AEP, Inc. and Subsidiaries (as of 11/1/2022)

Company	Moody's		S&P		Fitch	
	Senior Unsecured	Outlook	Senior Unsecured	Outlook	Senior Unsecured	Outlook
American Electric Power Company, Inc.	Baa2	S	BBB+	S	BBB	S
AEP, Inc. Short Term Rating	P2	S	A2	S	NR	NR
AEP Texas Inc.	Baa2	S	A-	S	BBB+	S
AEP Transmission Company, LLC	A2	S	A-	S	A	S
Appalachian Power Company <sup>1</sup>	Baa1	S	A-	S	A-	S
Indiana Michigan Power Company <sup>1</sup>	A3	P	A-	S	A	S
AEP Ohio	Baa1	S	A-	S	A	S
Public Service Company of Oklahoma	Baa1	S	A-	S	A-	S
Southwestern Electric Power Company	Baa2	S	A-	S	BBB+	S
Transource Energy <sup>2</sup>	A2	S	NR	NR	NR	NR

<sup>1</sup> In conjunction with the unenhanced VRDN remarketings, APCo and I&M both received short term credit ratings of A-2/P2 from S&P/Moody's.

<sup>2</sup> NR stands for Not Rated.

# Long-Term Debt Maturity Profile

(\$ in millions) (as of 9/30/2022)

	2022	2023	2024	2025	2026	2027
AEP, Inc.	\$ 300.0	\$ 1,900.0	\$ 1,104.0	\$ 450.0	-	\$ 500.0
AEP Generating Company	\$ 120.0	-	-	\$ 45.0	-	-
AEP Texas <sup>1</sup>	-	\$ 185.0	-	\$ 500.0	\$ 50.0	-
AEP Transmission Company	\$ 104.0	\$ 60.0	\$ 95.0	\$ 90.0	\$ 425.0	-
Appalachian Power Company <sup>1</sup>	\$ 100.0	\$ 100.0	\$ 86.0	\$ 644.7	-	\$ 325.0
Indiana Michigan Power Company	-	\$ 252.5	\$ 8.3	\$ 246.5	\$ 64.8	-
AEP Ohio	-	-	-	-	-	-
Public Service Company of Oklahoma	-	-	-	\$ 250.0	\$ 50.0	-
Southwestern Electric Power Company	-	-	\$ 25.0	-	\$ 900.0	-
Wheeling Power Company	-	-	\$ 165.0	\$ 122.0	-	\$ 65.0
<b>Total</b>	<b>\$ 624.0</b>	<b>\$ 2,497.5</b>	<b>\$ 1,483.3</b>	<b>\$ 2,348.2</b>	<b>\$ 1,489.8</b>	<b>\$ 890.0</b>

<sup>1</sup> Excludes securitization bonds.  
Includes mandatory tenders (put bonds).



# Debt Schedules

American Electric Power, Inc	Interest	Maturity	CUSIP / PPN*	Amount	
JSD Remarketing - Associated with 2019 Mandatory Convertible Equity Units	2.031%	03/15/2024	025537AK7	\$805,000,000	
Mandatory Convertible Equity Units	6.125%	08/15/2023	02557TAD1	\$850,000,000	
Fixed-Fixed Reset JSD	3.875%	02/15/2062	025537AU5	\$750,000,000	
Floating Rate Notes, Series A	Floating	11/01/2023	025537AS0	\$600,000,000	
Ohio Air Quality Development Authority, Series 2014A (Non-AMT)	2.400%	12/01/2038	677525WG8	\$60,000,000	1
Ohio Air Quality Development Authority, Series 2014B (AMT)	2.600%	06/01/2041	677525WH6	\$79,450,000	1
State of Ohio, Air Quality Bonds, Series 2007A	2.500%	08/01/2040	677525WE3	\$44,500,000	2
State of Ohio, Air Quality Bonds, Series 2007B	2.500%	11/01/2042	677525WF0	\$56,000,000	2
State of Ohio, Air Quality Bonds, Series 2005A (AMT)	2.100%	01/01/2029	677525WJ2	\$54,500,000	3
State of Ohio, Air Quality Bonds, Series 2005B (AMT)	2.100%	07/01/2028	677525WK9	\$50,450,000	3
State of Ohio, Air Quality Bonds, Series 2005C (AMT)	2.100%	04/01/2028	677525WL7	\$50,450,000	3
State of Ohio, Air Quality Bonds, Series 2005D (AMT)	2.100%	10/01/2028	677525WM5	\$54,500,000	3
State of Ohio, Air Quality Bonds, Series 2014C (AMT)	2.100%	12/01/2027	677525WN3	\$39,130,000	3
State of Ohio, Air Quality Bonds, Series 2014D (Non-AMT)	1.900%	05/01/2026	677525WP8	\$50,000,000	3
Senior Notes, Series F	2.950%	12/15/2022	025537AG6	\$300,000,000	
Senior Notes, Series H	3.200%	11/13/2027	025537AJ0	\$500,000,000	
Senior Notes, Series J	4.300%	12/01/2028	025537AM3	\$600,000,000	
Senior Notes, Series K	2.300%	03/01/2030	025537AN1	\$400,000,000	
Senior Notes, Series L	3.250%	03/01/2050	025537AP6	\$400,000,000	
Senior Notes, Series M	0.750%	11/01/2023	025537AQ4	\$450,000,000	
Senior Notes, Series N	1.000%	11/01/2025	025537AR2	\$450,000,000	
144A Senior Notes	1.800%	08/01/2028	025537AT8	\$175,000,000	
Total				\$6,818,980,000	

<sup>1</sup> Call date of 10/01/2024 as well as put date of 10/1/2029

<sup>2</sup> Put date of 10/01/2029

<sup>3</sup> Put date of 10/01/2024

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number

# Debt Schedules

AEP Generating Company	Interest	Maturity	CUSIP / PPN*	Amount
Term Loan	Floating	10/30/2022	00104NAD6	\$120,000,000
Senior Secured Notes	2.430%	12/31/2028	00113AB0	\$30,000,000
City of Rockport, Series 1995 A	3.125%	07/01/2025	773835BW2	\$22,500,000
City of Rockport, Series 1995 B	3.125%	07/01/2025	773835BX0	\$22,500,000
Total				<u>\$195,000,000</u>

AEP Texas	Interest	Maturity	CUSIP / PPN*	Amount
Bank Term Loan	Floating	05/03/2025	N/A	\$200,000,000
Matagorda PCB Series 2001A	2.600%	11/01/2029	576528DT7	\$100,635,000
Matagorda Cnty Navigation Dist. #1 PCRB, Series 2008-1	4.000%	06/01/2030	576528DP5	\$60,265,000
Matagorda Cnty Navigation Dist. #1 PCRB, Series 2008-2	4.000%	06/01/2030	576528DQ3	\$60,000,000
Matagorda Cnty Navigation District #1, Series 1996	0.900%	05/01/2030	576528DU4	\$60,000,000 <sup>1</sup>
Matagorda Cnty Navigation District #1, Series 2005A	4.400%	05/01/2030	576528CY7	\$111,700,000
Matagorda Cnty Navigation District #1, Series 2005B	4.550%	05/01/2030	576528CZ4	\$50,000,000

<sup>1</sup> Put date is 09/01/2023

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number

# Debt Schedules

AEP Texas (continued)	Interest	Maturity	CUSIP / PPN*	Amount
Senior Note, Series B 6.65%	6.650%	02/15/2033	0010EPAF5	\$275,000,000
Senior Note, Series B 3.81%	3.810%	04/30/2026	0010EPA@7	\$50,000,000
Senior Note, Series C 4.67%	4.670%	04/30/2044	0010EPA#5	\$100,000,000
Senior Note, Series D 4.77%	4.770%	10/30/2044	0010EPB*8	\$100,000,000
Senior Note, Series G 3.85%	3.850%	10/01/2025	0010EPAN8	\$250,000,000
Senior Note, Series 2008B	6.760%	04/01/2038	0010EQA@5	\$70,000,000
Senior Notes, Series C 3.09%	3.090%	02/28/2023	0010EQA#3	\$125,000,000
Senior Notes, Series D 4.48%	4.480%	02/27/2043	0010EQB*6	\$75,000,000
Senior Note, Series F 3.75%	3.750%	09/30/2025	0010EQB#5	\$50,000,000
Senior Note, Series G 4.71%	4.710%	12/15/2035	0010EQ C*5	\$50,000,000
Senior Note, Series D 3.80%	3.800%	10/01/2047	00108WAF7	\$300,000,000
Senior Note, Series E 3.95%	3.950%	06/01/2028	00108WAG5	\$5,500,000
Senior Note, Series F 3.95%	3.950%	06/01/2028	00108WAH3	\$494,500,000
Senior Note, Series G 4.15%	4.150%	05/01/2049	00108WAJ9	\$300,000,000
Senior Note, Series H 3.45%	3.450%	01/15/2050	00108WAK6	\$450,000,000
Senior Note, Series I 2.10%	2.100%	07/01/2030	00108WAM2	\$600,000,000
Senior Note, Series J 3.45%	3.450%	05/15/2051	00108WAN0	\$450,000,000
Senior Note, Series K 4.70%	4.700%	05/15/2032	00108WAP5	\$500,000,000
Senior Note, Series L 5.25%	5.250%	05/15/2052	00108WAQ3	\$500,000,000
Total				<u>\$5,387,600,000</u>
Securitization Bonds, Class 2012 A-3	2.845%	12/01/2024	00104UAC2	\$179,443,959
Securitization Bonds, Harvey Tranche A-1	2.056%	02/01/2027	00115BAA5	\$57,726,976
Securitization Bonds, Harvey Tranche A-2	2.294%	08/01/2031	00115BAB3	\$117,641,000
Total				<u>\$354,811,935</u>

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number

# Debt Schedules

AEP Transmission Company	Interest	Maturity	CUSIP / PPN*	Amount
Senior Notes, Series A, Tranche 1	3.300%	10/18/2022	00114*AA1	\$104,000,000
Senior Notes, Series A, Tranche 2	4.000%	10/18/2032	00114*AB9	\$85,000,000
Senior Notes, Series A, Tranche 3	4.730%	10/18/2042	00114*AC7	\$61,000,000
Senior Notes, Series A, Tranche 4	4.780%	12/14/2042	00114*AD5	\$75,000,000
Senior Notes, Series A, Tranche 5	4.830%	03/18/2043	00114*AE3	\$25,000,000
Senior Notes, Series B, Tranche 2	4.050%	11/07/2023	00114*AG8	\$60,000,000
Senior Notes, Series B, Tranche 3	4.380%	11/07/2028	00114*AL7	\$60,000,000
Senior Notes, Series B, Tranche 4	5.320%	11/07/2043	00114*AH6	\$100,000,000
Senior Notes, Series B, Tranche 5	5.420%	04/30/2044	00114*AJ2	\$30,000,000
Senior Notes, Series B, Tranche 6	5.520%	10/30/2044	00114*AK9	\$100,000,000
Senior Notes, Series C, Tranche C	3.560%	11/14/2024	00114*AP8	\$95,000,000
Senior Notes, Series C, Tranche D	3.660%	03/16/2025	00114*AQ6	\$50,000,000
Senior Notes, Series C, Tranche E	3.760%	06/16/2025	00114*AR4	\$40,000,000
Senior Notes, Series C, Tranche F	3.810%	11/14/2029	00114*AS2	\$55,000,000
Senior Notes, Series C, Tranche G	4.010%	06/15/2030	00114*AT0	\$60,000,000
Senior Notes, Series C, Tranche H	4.050%	11/14/2034	00114*AU7	\$25,000,000
Senior Notes, Series C, Tranche I	4.530%	11/14/2044	00114*AV5	\$40,000,000
Senior Notes, Series F	3.100%	12/01/2026	00115A AE9	\$300,000,000
Senior Notes, Series D	3.100%	12/01/2026	00115A AE9	\$125,000,000
Senior Notes, Series G	4.000%	12/01/2046	00115A AF6	\$400,000,000
Senior Notes, Series H	3.750%	12/01/2047	00115A AH2	\$500,000,000
Senior Notes, Series J	4.250%	09/15/2048	00115AAJ8	\$325,000,000
Senior Notes, Series K	3.800%	06/15/2049	00115AAK5	\$350,000,000
Senior Notes, Series L	3.150%	09/15/2049	00115AAL3	\$350,000,000
Senior Notes, Series M	3.650%	04/01/2050	00115AAM1	\$525,000,000
Senior Notes, Series N	2.750%	08/15/2051	00115AAN9	\$450,000,000
Senior Notes, Series O	4.500%	06/15/2052	00115AAP4	\$550,000,000
Total				<u>\$4,940,000,000</u>

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number

# Debt Schedules

Appalachian Power Company	Interest	Maturity	CUSIP / PPN*	Amount	
Bank Term Loan	Floating	08/22/2023	N/A	\$100,000,000	
Bank Term Loan	Floating	05/26/2025	N/A	\$125,000,000	
West Virginia Economic Dev. Authority, Series 2009A	3.750%	12/01/2042	95648VBL2	\$54,375,000	<sup>1</sup>
West Virginia Economic Dev. Authority, Series 2009B	3.750%	12/01/2042	95648VBM0	\$50,000,000	<sup>1</sup>
Mason County, Series L	2.750%	10/01/2022	575200BC3	\$100,000,000	
West Virginia Economic Dev. Authority, Series 2008B	Floating	02/01/2036	95648VAL3	\$50,275,000	
West Virginia Economic Dev. Authority, Series 2008A	Floating	02/01/2036	95648VAW9	\$75,000,000	
West Virginia Economic Dev. Authority, Series 2010A	0.625%	12/01/2038	95648VBH1	\$50,000,000	<sup>2</sup>
West Virginia Economic Dev. Authority, Series 2011A	1.000%	01/01/2041	95648VBG3	\$65,350,000	<sup>3</sup>
West Virginia Economic Dev. Authority, Series 2015A (Amos)	2.550%	03/01/2040	95648VBE8	\$86,000,000	<sup>4</sup>
Senior Note, Series H	5.950%	05/15/2033	037735BZ9	\$200,000,000	
Senior Note, Series L	5.800%	10/01/2035	037735CE5	\$250,000,000	
Senior Note, Series N	6.375%	04/01/2036	037735CG0	\$250,000,000	
Senior Note, Series P	6.700%	08/15/2037	037735CK1	\$250,000,000	
Senior Note, Series Q	7.000%	04/01/2038	037735CM7	\$500,000,000	
Senior Note, Series U	4.400%	05/15/2044	037735CT2	\$300,000,000	
Senior Note, Series V	3.400%	06/01/2025	037735CU9	\$300,000,000	
Senior Note, Series W	4.450%	06/01/2045	037735CV7	\$350,000,000	
Senior Note, Series X	3.300%	06/01/2027	037735CW5	\$325,000,000	
Senior Note, Series Y	4.500%	03/01/2049	037735CX3	\$400,000,000	
Senior Note, Series Z	3.700%	05/01/2050	037735CY1	\$500,000,000	
Senior Note, Series AA	2.700%	04/01/2031	037735CZ8	\$500,000,000	
Senior Note, Series BB	4.500%	08/01/2032	037735DA2	\$500,000,000	
Total				\$5,381,000,000	
Securitization Bonds, Tranche A-1	2.008%	02/01/2023	037680AA3	\$9,674,261	
Securitization Bonds, Tranche A-2	3.772%	08/01/2028	037680AB1	\$164,500,000	
Total				\$174,174,261	

<sup>1</sup> Put date 06/01/2025

<sup>2</sup> Put date 12/15/2025

<sup>3</sup> Put date 09/01/2025

<sup>4</sup> Put date 04/01/2024

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number



# Debt Schedules

Indiana Michigan Power Company		Interest	Maturity	CUSIP / PPN*	Amount
	DCC Fuel XIII Floating Rate	Floating	11/07/2023	N/A	\$2,534,590
	DCC Fuel XIV Floating Rate	Floating	05/12/2024	N/A	\$8,314,207
	DCC Fuel XV Floating Rate	Floating	04/15/2025	N/A	\$24,274,695
	DCC Fuel XVI Fixed Rate	0.925%	11/18/2025	N/A	\$32,240,663
	DCC Fuel XVII Fixed Rate	3.439%	11/23/2026	N/A	\$64,761,434
	Rockport, Series D	0.750%	04/01/2025	773835BV4	\$40,000,000
	Rockport, Series 2002 A	2.750%	06/01/2025	773835BQ5	\$50,000,000
	City of Rockport, Series 2009A	3.050%	06/01/2025	773835BR3	\$50,000,000
	City of Rockport, Series 2009B	3.050%	06/01/2025	773835BS1	\$50,000,000
	Senior Note, Series H	6.050%	03/15/2037	454889AM8	\$400,000,000
	Senior Note, Series J	3.200%	03/15/2023	454889AP1	\$250,000,000
	Senior Note, Series K	4.550%	03/15/2046	454889 AQ9	\$400,000,000
	Senior Note, Series L	3.750%	07/01/2047	454889 AR7	\$300,000,000
	Senior Note, Series M	3.850%	05/15/2028	454889AS5	\$350,000,000
	Senior Note, Series N	4.250%	08/15/2048	454889AT3	\$475,000,000
	Senior Note, Series O	3.250%	05/01/2051	454889AU0	\$450,000,000
	Total				<u>\$2,947,125,589</u>

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number

# Debt Schedules

Ohio Power Company	Interest	Maturity	CUSIP / PPN*	Amount
Senior Note, Series D	6.600%	03/01/2033	199575AT8	\$250,000,000
Senior Note, Series F	5.850%	10/01/2035	199575AV3	\$250,000,000
Senior Note, Series G	6.600%	02/15/2033	677415CF6	\$250,000,000
Senior Notes, Series N	4.150%	04/01/2048	677415CQ2	\$400,000,000
Senior Notes, Series O	4.000%	06/01/2049	677415CR0	\$450,000,000
Senior Notes, Series P	2.600%	04/01/2030	677415CS8	\$350,000,000
Senior Notes, Series Q	1.625%	01/15/2031	677415CT6	\$450,000,000
Senior Notes, Series R	2.900%	10/01/2051	677415CU3	\$600,000,000
Total				<u>\$3,000,000,000</u>

Public Service Company of Oklahoma	Interest	Maturity	CUSIP / PPN*	Amount
Bank Term Loan	Floating	09/30/2025	N/A	\$125,000,000
Senior Note, Series G	6.625%	11/15/2037	744533BJ8	\$250,000,000
Senior Note, Series A	3.170%	03/31/2025	744533C*9	\$125,000,000
Senior Note, Series B	4.090%	03/31/2045	744533C@7	\$125,000,000
Senior Note, Series C	3.050%	08/01/2026	744533C#5	\$50,000,000
Senior Note, Series D	4.110%	08/01/2046	744533D*8	\$100,000,000
Senior Note, Series E	3.910%	03/15/2029	744533D@6	\$100,000,000
Senior Note, Series F	4.110%	06/01/2034	744533D#4	\$150,000,000
Senior Note, Series G 4.50%	4.500%	06/01/2049	744533E*7	\$100,000,000
Green Senior Notes, Series J	2.200%	08/15/2031	744533BM1	\$400,000,000
Green Senior Notes, Series K	3.150%	08/15/2051	744533BP4	\$400,000,000
Total				<u>\$1,925,000,000</u>

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number

# Debt Schedules

Southwestern Electric Power Company		Interest	Maturity	CUSIP / PPN*	Amount
Sabine Mines		6.370%	10/24/2024	78532*AC7	\$25,000,000
Sabine Mines		4.580%	02/21/2032	78532*AD5	\$30,875,000
Sabine Mines		4.680%	10/11/2035	78532*AE3	\$39,705,870
Senior Note, Series H		6.200%	03/15/2040	845437BL5	\$350,000,000
Senior Note, Series J		3.900%	04/01/2045	845437BN1	\$400,000,000
Senior Note, Series K		2.750%	10/01/2026	845437BP6	\$400,000,000
Senior Note, Series L		3.850%	02/01/2048	845437BQ4	\$450,000,000
Senior Note, Series M		4.100%	09/15/2028	845437BR2	\$575,000,000
Senior Note, Series N		1.650%	03/15/2026	845437BS0	\$500,000,000
Green Senior Notes, Series O		3.250%	11/01/2051	845437BT8	\$650,000,000
Total					<u>\$3,420,580,870</u>

Wheeling Power Company		Interest	Maturity	CUSIP / PPN*	Amount
West Virginia Economic Development Authority, Series 2013A		3.000%	06/01/2037	95648VBA6	\$65,000,000 <sup>1</sup>
Term Loan		Floating	05/11/2024	N/A	\$165,000,000
Senior Note, Series A, Tranche B		3.700%	06/01/2025	96316#AC7	\$122,000,000
Senior Note, Series A, Tranche C		4.200%	06/01/2035	96316#AD5	\$50,000,000
Total					<u>\$402,000,000</u>

<sup>1</sup> Put date 06/18/2027

Note: Debt schedules current as of 9/30/2022

\* PPN – Private Placement Number



# OPERATING COMPANY DETAIL

- Overview
- Financial and Operational Data
- Customer Statistics
- Commission Overview





# APCo Overview



## Aaron Walker (President and Chief Operating Officer)

Since September 2022 – 17 years with AEP

### Appalachian Power Company (APCo)

(organized in Virginia in 1926) is engaged in the generation, transmission and distribution of electric power to approximately 966,000 retail customers in the southwestern portion of Virginia and southern West Virginia, and in supplying and marketing electric power at wholesale to other electric utility companies, municipalities and other market participants. As of December 31, 2021, APCo had 1,617 employees. APCo is a member of PJM.

### Wheeling Power Company (WPCo)

(organized in West Virginia in 1883 and reincorporated in 1911) provides electric service to approximately 42,000 retail customers in northern West Virginia. As of December 31, 2021, WPCo had 45 employees. WPCo is a member of PJM.

### Kingsport Power Company (KGPCo)

(organized in Virginia in 1917) provides electric service to approximately 49,000 retail customers in Kingsport and eight neighboring communities in northeastern Tennessee. As of December 31, 2021, KGPCo had 54 employees. KGPCo is a member of PJM.

## Quick Facts

<b>Total Customers</b>	<b>1,056,000</b>
Residential	892,000
Commercial	151,000
Industrial	5,000
Other	8,000
Owned Generating Capacity	7,461 MW
PPA Capacity	948 MW
Generating & PPA Capacity by Fuel Mix	
Coal	63.8%
Natural Gas	19.6%
Hydro, Wind & Solar	16.6%
Transmission Miles	6,342
Distribution Miles	55,252

Note: Values consolidate APCo, WPCo and KGPCo. Customer and line mile data as of 12/31/2021. Capacity data as of 9/30/2022.

## Principal Industries Served

- Coal Mining
- Primary Metals
- Pipeline Transportation
- Paper Manufacturing
- Chemical Manufacturing



# APCo Financial and Operational Data

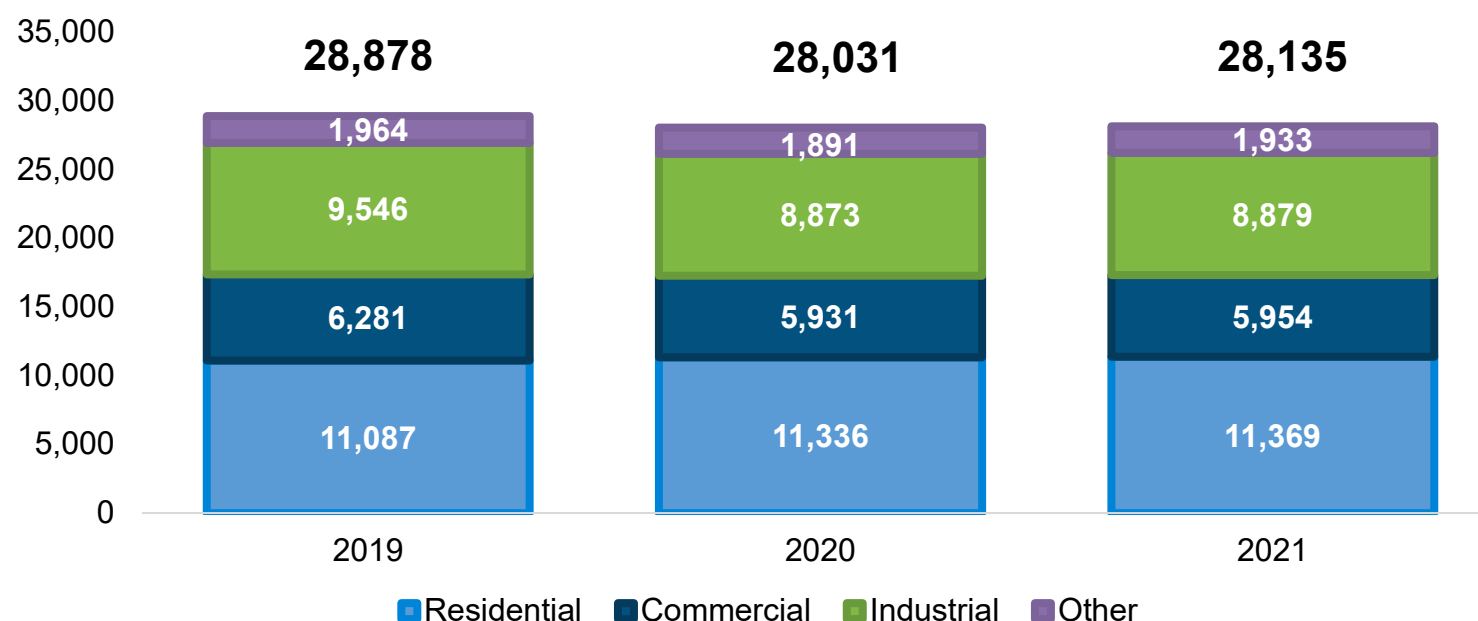
## Capital Structure

Capital Structure	2021 <sup>1</sup>			9/30/2022 <sup>2</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization per Balance Sheet	\$ 5.1B	\$ 4.6B	\$ 9.7B	\$ 5.5B	\$ 4.9B	\$ 10.4B
% of Capitalization per Balance Sheet <sup>3</sup>	52.5%	47.5%	100.0%	52.9%	47.1%	100.0%
FFO Interest Coverage (rolling 12-months)			3.79			2.72
FFO Total Debt (rolling 12-months)			11.7%			7.0%

Credit Ratings/Outlook (as of 11/1/2022)	Rating
Moody's	Baa1/S
S&P	A-/S
Fitch	A-/S

Asset Data <sup>2</sup> (as of 9/30/2022)	
Total Assets	\$ 15.0 billion
Net Plant Assets	\$ 12.2 billion
Cash	\$ 6.7 million

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



Summary of Degree Days <sup>1</sup>	2019	2020	2021
Heating (Actual)	2,057	1,764	1,969
Heating (Normal)	2,224	2,216	2,210
Cooling (Actual)	1,597	1,379	1,389
Cooling (Normal)	1,221	1,221	1,242

<sup>1</sup> Source: 2021 10K Financial Statements.

<sup>2</sup> Source: 3Q22 Financial Statements (unaudited).

<sup>3</sup> May not recalculate due to rounding.

# WPCo Financial and Operational Data

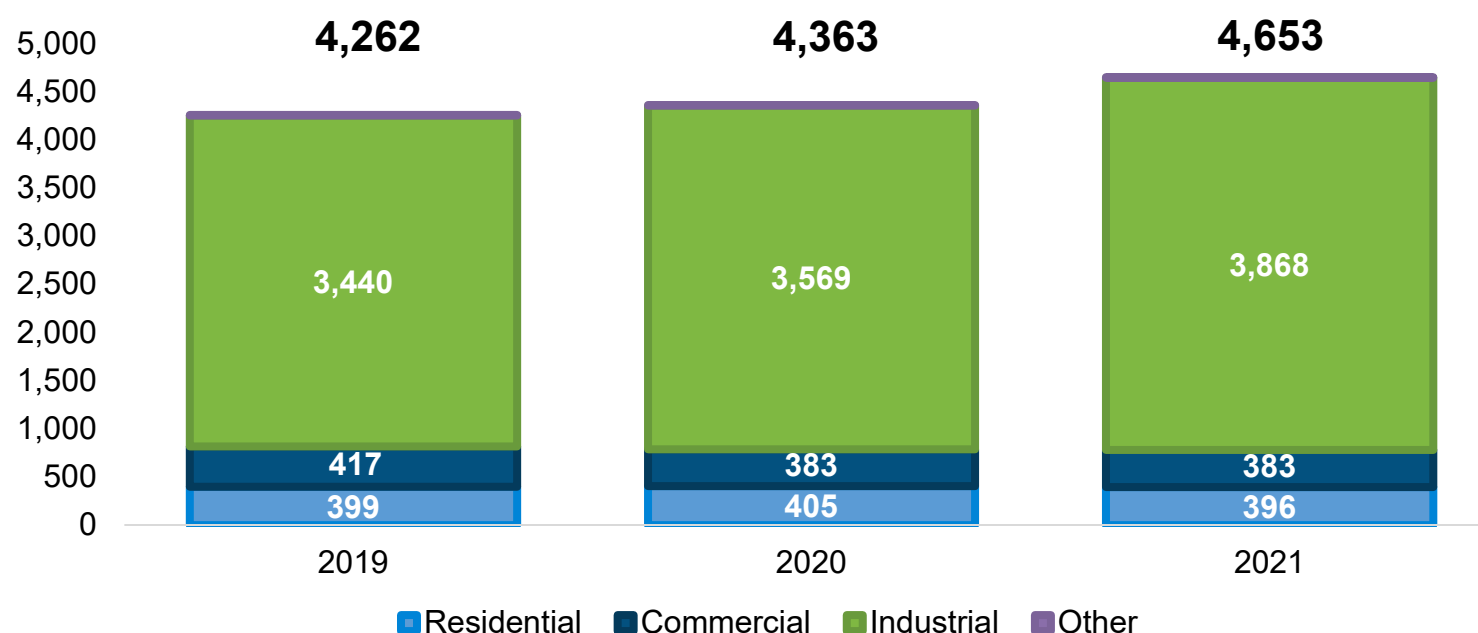
## Capital Structure

Capital Structure	2021 <sup>1</sup>			6/30/2022 <sup>2</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization per Balance Sheet	\$ 405.2M	\$ 411.0M	\$ 816.2M	\$ 450.9M	\$ 425.1M	\$ 876.0M
% of Capitalization per Balance Sheet <sup>3</sup>	49.6%	50.4%	100.0%	51.5%	48.5%	100.0%
FFO Interest Coverage (rolling 12-months)			3.92			1.19
FFO Total Debt (rolling 12-months)			9.4%			0.6%

Credit Ratings/Outlook (as of 11/1/2022)	Rating
Moody's	NR
S&P	A-/N
Fitch	NR

Asset Data <sup>2</sup> (as of 6/30/2022)	
Total Assets	\$ 1.2 billion
Net Plant Assets	\$ 904 million
Cash	\$ 163 thousand

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



Summary of Degree Days	2019	2020	2021
Heating (Actual)	3,344	2,967	3,028
Heating (Normal)	3,662	3,654	3,632
Cooling (Actual)	1,058	1,040	1,147
Cooling (Normal)	766	779	795

<sup>1</sup> Source: 2021 Annual Financial Statements.  
<sup>2</sup> Source: 2Q22 Financial Statements (unaudited).  
<sup>3</sup> May not recalculate due to rounding.  
 NR Not Rated.

# KGPCo Financial and Operational Data

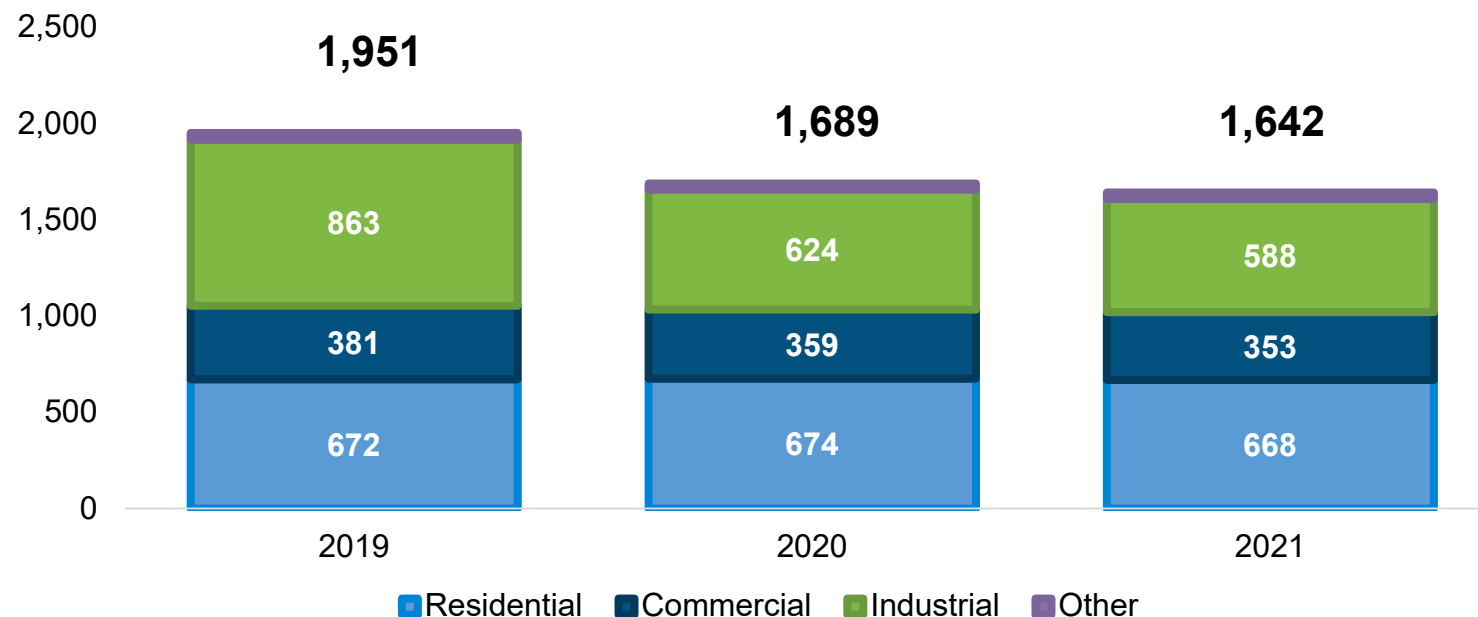
## Capital Structure

	2021 <sup>1</sup>			6/30/2021 <sup>2</sup>		
Capital Structure	Debt	Equity	Total	Debt	Equity	Total
Capitalization per Balance Sheet	\$ 84.9M	\$ 76.9M	\$ 161.8M	\$91.9M	\$ 78.3M	\$ 170.2M
% of Capitalization per Balance Sheet <sup>3</sup>	52.5%	47.5%	100.0%	54.0%	46.0%	100.0%

### Asset Data<sup>2</sup> (as of 6/30/2021)

Total Assets	\$ 253 million
Net Plant Assets	\$ 207 million
Cash	\$ 193 thousand

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



### Summary of Degree Days

	2019	2020	2021
Heating (Actual)	1,852	1,777	1,817
Heating (Normal)	2,190	2,184	2,178
Cooling (Actual)	1,413	1,189	1,304
Cooling (Normal)	1,102	1,114	1,117

<sup>1</sup> Source: 2021 Annual Financial Statements.

<sup>2</sup> Source: 2Q22 Financial Statements (unaudited).

<sup>3</sup> May not recalculate due to rounding.

# Customer Statistics

## Appalachian Area Investor Owned Utilities<sup>1</sup>

West Virginia	Customers	Virginia	Customers
<b>APCo</b>	<b>422,537</b>	Virginia Electric & Power Co.	2,574,230
Monongahela Power Company	395,061	<b>APCo</b>	<b>541,906</b>
The Potomac Edison Company	148,914	Kentucky Utilities Co.	27,841
<b>WPCo</b>	<b>41,685</b>		
		Tennessee	Customers
		<b>KGPCo</b>	<b>48,597</b>

<sup>1</sup> Customer counts are a 12-month average as of December 31, 2021 and were sourced from Sales\_Ult\_Cust\_2021.xlsx at <https://www.eia.gov/electricity/data/eia861/>

## Typical Bill Comparison<sup>2</sup>

West Virginia	\$/Month	Virginia	\$/Month
<b>APCo</b>	<b>153.71</b>	<b>APCo</b>	<b>123.83</b>
<b>WPCo</b>	<b>153.71</b>	Old Dominion Power Company	123.28
The Potomac Edison Company	105.92	Dominion Virginia Power	120.05
		Tennessee	\$/Month
		<b>KGPCo</b>	<b>101.67</b>

<sup>2</sup> Typical bills are displayed in \$/month, based on 1,000 kWh of residential usage. Billing amounts sourced from the EEI Typical Bills and Average Rates Report as of January 1, 2022.

## Major Industrial Customers

- Blue Racer Midstream (WV)
- WVA Manufacturing (WV)
- Markwest Liberty Midstream (WV)
- Williams Ohio Valley Midstream (WV)
- Georgia-Pacific Corporation (VA)
- Greif Brothers Corporation (VA)
- Roanoke Electric Steel Corporation (VA)
- Air Products & Chemicals Inc (TN)
- Eagle Sodium LLC (WV)
- Felman Production Inc (WV)

(Data for year ended December 2021)

## Additional Facts

- Top 10 customers = 30% of industrial sales
- Metropolitan areas account for 53% of ultimate sales
- 99 persons per square mile (U.S. = 87)

(Data for 12 months ended December 2021)

# Commission Overview

## VIRGINIA STATE CORPORATION COMMISSION

### Qualifications for Commissioners

The Virginia State Corporation Commission (SCC) is composed of three members elected by the General Assembly. Commissioners are elected to serve six-year terms, staggered in two-year increments. The chair rotates annually among the three commissioners on February 1.

### Commissioners

Jehmal T. Hudson, Chairman (Dem.), since 2020; current term ends 2027. Served in various roles at FERC for more than 10 years, including director of government affairs. Most recently, served as vice president of government affairs for the National Hydropower Association. Law degree from the Vermont Law School.

Judith Williams Jagdmann, Commissioner (Rep.), since 2006; current term ends 2024. Served as attorney general for Commonwealth of Virginia from 2005 to 2006. Also served as deputy attorney general for Civil Litigation Division from 1998 to 2005. Current president of the National Association of Regulatory Utility Commissioners. Law degree from T.C. Williams School of Law at the University of Richmond.

### Quick Facts

Number	2 (1 vacancy)
Appointed/Elected	Elected
Term	6 Years
Political Makeup	R:1, D:1

### AEP Regulatory Status

APCo-VA provides retail electric service in Virginia at unbundled rates. In early 2018, the General Assembly of VA passed the “Grid Transformation and Security Act” effective in July 2018. The Act established triennial rate reviews beginning in 2020 for APCo-VA, with a 2017-2019 earnings test period and 2019 test year. APCo-VA is entitled to adjustments to fuel, transmission and certain other rates to recover its actual costs. In 2020, the Virginia Clean Economy Act was passed into law. The act requires the Company to make certain investments in renewable resources and batteries in addition to being carbon free by 2050. Supreme Court decision on the Company’s 2020 Triennial appeal will allow APCo to increase base rates going forward beginning October 2022 and collect an increase retroactively to January 2021.



# Commission Overview

## PUBLIC SERVICE COMMISSION OF WEST VIRGINIA

### Qualifications for Commissioners

The West Virginia Public Service Commission (WVPSC) consists of three members, appointed by the Governor, with the advice and consent of the Senate. No more than two members of the commission may belong to the same political party. The Commissioners serve six year staggered terms, with one term expiring July 1 of each odd numbered year. One Commissioner is designated as Chairman of the Commission by the Governor. The Chairman serves as the chief fiscal officer of the Commission.

### Commissioners

Charlotte R. Lane, Chairman (Rep.), since 2019; term expires June 2025. Served on the Commission from 1985-1989 and 1997-2003, serving as Chairman from 1997-2001. Previously served three terms in the West Virginia House of Delegates (1979-1980, 1991-1992 and 2017-2018). Doctor of Jurisprudence degree from West Virginia University College of Law.

Renee A. Larrick, Commissioner (Rep.), since 2017; term expires June 2023. Member of the National Association of Regulatory Utility Commissioners (NARUC). Former business manager for a private law firm. Served on the board of directors of the United Way of Southern West Virginia. Bachelor's degree from University of Kentucky.

William B. Raney, Commissioner (Ind.), since 2021; term expires June 2027. Served as President of the West Virginia Coal Association. Previously worked for the West Virginia Mining and Reclamation Association and West Virginia Department of Natural Resources Division of Reclamation. Member of the West Virginia Special Reclamation Advisory Council. Bachelor's and Master's degrees from West Virginia University.

### QUICK FACTS

Number	3
Appointed/Elected	Appointed
Term	6 Years
Political Makeup	R:2, I:1

### AEP Regulatory Status

APCo and Wheeling Power in West Virginia provide retail electric service at bundled rates approved by the WVPSC. APCo and Wheeling Power implemented base rates in March 2019. West Virginia has an active annual ENEC (Expanded Net Energy Cost) mechanism, which provides for a rate adjustment for fuel costs, among other items. The WVPSC approved the Modified Rate Base Cost surcharge which provides for recovery of capital costs, depreciation and income taxes on incremental rate base investment between base rate cases. Annual filings approved through 2024.

# Commission Overview

## TENNESSEE PUBLIC UTILITY COMMISSION

### Qualifications for Commissioners

In 2021, the Tennessee Code was amended to add two “citizen directors” to the Tennessee Public Utilities Commission. The Commission is comprised of seven members, two gubernatorial appointees, two appointees of the Speaker of the Senate, two appointees of the Speaker of the House of Representatives and one appointee selected by joint agreement by the Governor, Speaker of the Senate, and Speaker of the House of Representatives. This amendment requires that one appointee of each speaker be a public member with no experience in a regulated utility industry.

### Commissioners

Herbert H Hilliard, Chairman, since 2012 and reappointed in 2017. Former Executive Vice President and Chief Government Relations Officer for First Horizon National Corporation. Bachelor’s degree in Personnel Administration and Industrial Relations from University of Memphis.

David Jones, Vice Chairman, since 2013. Chief Executive Officer and President of Complete Holding Group. Spent 29 years in the natural gas pipeline industry. Bachelor’s degree in Business from University of Tennessee, Knoxville and an MBA from the University of Houston.

Clay Good, Commissioner, since 2021. Retired pharmacist at Methodist Medical Center. Former director of pharmaceutical services at NHC Healthcare of Oak Ridge. Service Chairman for the American Cancer Society. Degree from University of Tennessee’s College of Pharmacy at the University of Tennessee Center for Health Sciences in Memphis.

John Hie, Commissioner, since 2018. Retired from investment firm Stephens, Inc. in 2015 where he served as a financial advisor and was a former pharmacist at Walter Reed Army Medical Center. Degree from University of Tennessee’s College of Pharmacy.

Kenneth C. Hill, Commissioner, since 2009 and reappointed in 2020. Member of the National Association of Regulatory Utility Commissioners and the Southeastern Association of Regulatory Utility Commissioners. Doctor of Religious Education, Andersonville Baptist Seminary

Robin L. Morrison, Commissioner, since 2013 and reappointed in 2020. Vice President and financial center manager for First Horizon Bank. Bachelor’s degree in Business Administration-Finance from the University of Tennessee-Chattanooga.

David Crowell, Commissioner, appointed in 2022. Retired from Shelbyville Power, Water and Sewerage System, last serving as General Manager. Bachelor’s of Business Administration degree from Middle Tennessee State University.

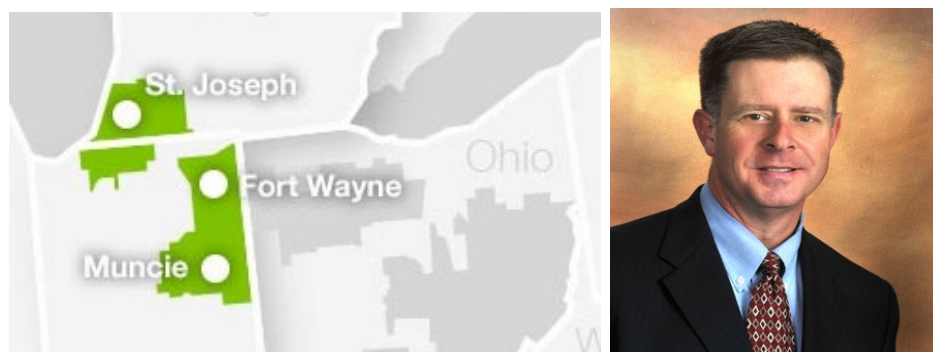
### QUICK FACTS

Number	7
Appointed/Elected	Appointed
Term	6 Years

### AEP Regulatory Status

Tennessee has no deregulation legislation and no base rate freeze or cap. Tennessee has an active fuel clause. In August 2016, the TPUC authorized new base rates in Kingsport Power Company’s first base rate case since 1992. Effective with the authorization, fuel, purchased power and PJM transmission charges have been removed from base rates and are now recovered through a single tracked surcharge. Currently, there is a base rate case before the Commission.

# I&M Overview



## **Steven Baker** (President and Chief Operating Officer)

Since August 2021 – 32 years with AEP

### **Indiana Michigan Power Company (I&M)**

(organized in Indiana in 1907) is engaged in the generation, transmission and distribution of electric power to approximately 607,000 retail customers in northern and eastern Indiana and southwestern Michigan, and in supplying and marketing electric power at wholesale to other electric utility companies, rural electric cooperatives, municipalities and other market participants. As of December 31, 2021, I&M had 1,978 employees. I&M is a member of PJM.

### **Principal Industries Served**

- Primary Metals
- Transportation Equipment
- Chemical Manufacturing
- Plastics and Rubber Products
- Fabricated Metal Product Manufacturing

### **Quick Facts**

<b>Total Customers</b>	<b>607,000</b>
Residential	528,000
Commercial	72,000
Industrial	5,000
Other	2,000
Owned Generating Capacity	3,662 MW
PPA Capacity	1,536 MW <sup>1</sup>
Generating & PPA Capacity by Fuel Mix	
Coal	46.1%
Nuclear	44.2%
Hydro, Wind & Solar	9.7%
Transmission Miles	4,313
Distribution Miles	20,784

Note: Customer and line mile data as of 12/31/2021. Capacity data as of 9/30/2022.

<sup>1</sup> Includes 917 MW from AEP Generation Company Rockport Plant PPA.

# I&M Financial and Operational Data

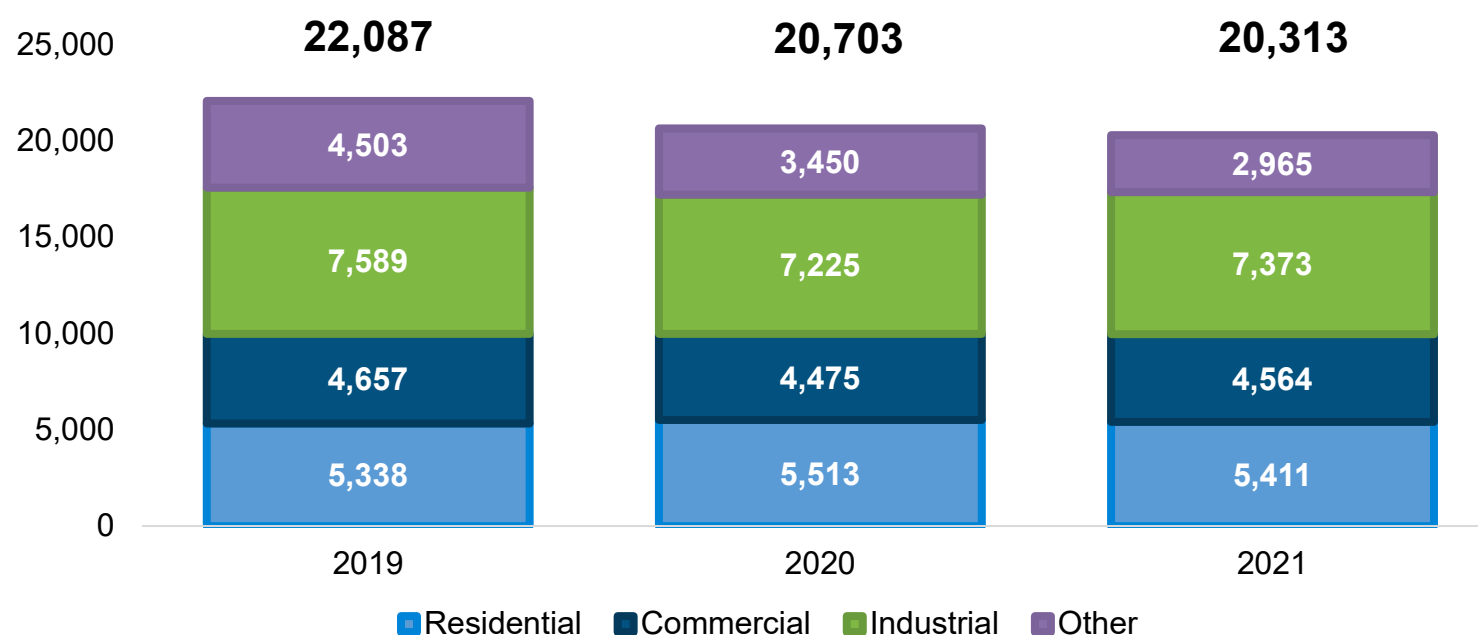
## Capital Structure

Capital Structure	2021 <sup>1</sup>			9/30/2022 <sup>2</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization per Balance Sheet	\$ 3.3B	\$ 2.8B	\$ 6.1B	\$ 3.3B	\$ 3.0B	\$ 6.3B
% of Capitalization per Balance Sheet <sup>3</sup>	54.1%	45.9%	100.0%	52.7%	47.3%	100.0%
FFO Interest Coverage (rolling 12-months)			6.87			7.25
FFO Total Debt (rolling 12-months)			22.5%			24.6%

Credit Ratings/Outlook (as of 11/1/2022)	Rating
Moody's	A3/P
S&P	A-/S
Fitch	A/S

Asset Data <sup>2</sup> (as of 9/30/2022)	
Total Assets	\$ 11.7 billion
Net Plant Assets	\$ 7.4 billion
Cash	\$ 25.8 million

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



Summary of Degree Days <sup>1</sup>	2019	2020	2021
Heating (Actual)	3,782	3,352	3,396
Heating (Normal)	3,740	3,742	3,730
Cooling (Actual)	940	928	1,055
Cooling (Normal)	849	854	861

<sup>1</sup> Source: 2021 10K Financial Statements.

<sup>2</sup> Source: 3Q22 Financial Statements (unaudited).

<sup>3</sup> May not recalculate due to rounding.

# Customer Statistics

## Indiana & Michigan Investor Owned Utilities<sup>1</sup>

Indiana	Customers	Michigan	Customers
Duke Energy Indiana	860,972	DTE Electric Company	2,249,459
IP&L	514,140	Consumers Energy	1,871,096
NIPSCO	483,297	<b>I&amp;M</b>	<b>130,628</b>
<b>I&amp;M</b>	<b>473,903</b>	Upper Peninsula Power Company	53,295
SIGECO	149,852	Upper Michigan Energy Resources Corp.	37,004

<sup>1</sup> Customer counts are a 12-month average as of December 31, 2021 and were sourced from Sales\_Ult\_Cust\_2021.xlsx at <https://www.eia.gov/electricity/data/eia861/>

## Typical Bill Comparison<sup>2</sup>

Indiana	\$/MONTH	Michigan	\$/MONTH
SIGECO	170.63	DTE Electric Company	183.53
NIPSCO	162.75	<b>I&amp;M</b>	<b>164.28</b>
<b>I&amp;M</b>	<b>144.07</b>	Upper Michigan Energy Resources Corp.	141.32
Duke Energy Indiana	138.87	Northern States Power Company	120.84
IP&L	129.99		

<sup>2</sup> Typical bills are displayed in \$/month, based on 1,000 kWh of residential usage. Billing amounts sourced from the EEI Typical Bills and Average Rates Report as of January 1, 2022.

## Major Industrial Customers

- Steel Dynamics Inc. (IN)
- IN TEK (IN)
- Air Products & Chemicals Inc. (MI)
- Messer LLC (IN)
- Ardagh Glass Inc. (IN)
- Michelin North America (IN)
- Metal Technologies Inc. (MI)
- Unifrax I LLC (MI)
- Cardinal Ethanol LLC (IN)
- South Bend Ethanol LLC (MI)

(Data for year ended December 2021)

## Additional Facts

- Top 10 customers = 45% of industrial sales
- Metropolitan areas account for 66% of ultimate sales
- 205 persons per square mile (U.S. = 87)

(Data for 12 months ended December 2021)



# Commission Overview

## INDIANA UTILITY REGULATORY COMMISSION

### Qualifications for Commissioners

Five members, appointed by the Governor from among persons nominated by a legislatively mandated utility commission nominating committee; four-year, staggered terms, full-time positions. Not more than three of the members of the IURC shall be members of the same political party. At least one of the commissioners must be an attorney qualified to practice law before the Indiana Supreme Court. The Governor appoints one of the five as chairperson.

### Commissioners

James Huston, Chairman (Rep.), since September 2014; current term ends April 2025. Served as Chief of Staff at the Indiana State Department of Health. Also served as Assistant Deputy Treasurer and Deputy Commissioner for the Bureau of Motor Vehicles. Earned his Bachelor's and Master's degrees from Ball State University.

Sarah Freeman, Commissioner (Dem.), since 2016; current term ends January 2026. Former senior staff attorney with the nonpartisan Indiana Legislative Services Agency for 16 years. Juris Doctor degree from the Indiana University Maurer School of Law.

David E. Ziegner, Commissioner (Dem.), since 1990; current term ends April 2023. General Counsel for IURC and served as staff attorney for the Legislative Services Agency. Former Treasurer of NARUC and vice-chair NARUC Committee on Electricity. Juris Doctor degree from the Indiana University School of Law in Indianapolis.

Stefanie Krevda, Commissioner (Rep.), since 2018; current term ends April 2026. Member of the National Association of Regulatory Utility Commissioners. Served as Chief of Staff and Interim Director at the State Personnel Department. Served as gubernatorial aide during the Daniels Administration. Earned degree from Purdue University.

David Veleta, Commissioner (Ind.), appointed September 2022, current term ends January 2024. Previously served as Senior Administrative Law judge for the Commission. Prior to the Commission, served as Marion County deputy prosecutor, as well as in private practice. Law degree from University of Dayton School of Law.

### QUICK FACTS

Number	5
Appointed/Elected	Appointed
Term	4 Years
Political Makeup	R:2, D:2, I:1

### AEP Regulatory Status

I&M provides retail electric service at bundled rates approved by the IURC and implemented on February 23, 2022. Rates are set on a cost of service basis with a fuel recovery mechanism. I&M has trackers in place for OSS Margin Sharing/PJM expenses, environmental costs, nuclear life cycle management, DSM/EE and resource adequacy associated with purchased power. In Indiana, I&M is authorized to: collect through base rates amounts to fund future decommissioning costs for the Cook Nuclear Plant (collected amounts are placed in external trusts); establish a regulatory asset/liability for incremental storm-related costs for consideration in the company's next rate case; and earn an incentive on certain demand-side management programs. Indiana regulation provides:

- A 300 day rate case procedural schedule along with interim rates after 10 months, limited to 50% of the utility's proposed permanent increase
- Base rate cases can utilize a historical test year, a forward-looking test year, or a "hybrid" test year that includes both historic and projected data
- Riders to facilitate recovery of the costs associated with certain electric infrastructure expansion projects, including those intended to improve safety or reliability, modernize the system or improve an area's economic development prospects
- A voluntary renewable portfolio standard is in place

# Commission Overview

## MICHIGAN PUBLIC SERVICE COMMISSION

### Qualifications for Commissioners

The Michigan Public Service Commission (MPSC) is composed of three members appointed by the Governor with the advice and consent of the Senate. Commissioners are appointed to serve staggered six-year terms. No more than two commissioners may represent the same political party. One commissioner is designated as chairman by the Governor.

### Commissioners

Daniel C. Scripps, Chairman, (Dem.), since 2019; current term expires July 2023. Former Director of the Energy Foundation’s Midwest Policy Program. Previously served as president of the Michigan Energy Innovation Business Council and Institute for Energy Innovation and as a Vice President with Advanced Energy Economy. Graduate of Alma College and University of Michigan Law School.

Katherine L. Peretick, Commissioner (Ind.), since 2021; current term expires July 2027. Has worked in the public and private sectors focusing on energy storage and technology development. Former Director of Engineering at NRStor Inc. focusing on energy storage development. Most recently worked in public and private sectors focusing on energy storage and technology development. Bachelor’s and Master’s degrees from University of Michigan.

Tremaine L. Phillips, Commissioner, (Dem.), since 2019; current term expires July 2025. Served as Director of Cincinnati 2030 District and Vice President of Strategic Initiatives for EmpowerSaves. Worked previously for the Michigan Department of Energy, Labor and Economic Growth and the Michigan Environmental Council. Bachelor’s degree from Michigan State University and Master’s and Juris Doctor degrees from The Ohio State University.

### QUICK FACTS

Number	3
Appointed/Elected	Appointed
Term	6 Years
Political Makeup	D:2, I:1

### AEP Regulatory Status

I&M serves customers through rates approved on February 1, 2020 and an active fuel clause that recovers fuel, purchased energy and capacity, PJM expenses and consumable expenses. Michigan has had customer choice since 2002. Retail rates are regulated, but unbundled to allow customers to evaluate generation costs. Generation is not deregulated. In February 2019, I&M’s choice cap increased to 10% of annual sales. This cap is subject to adjustment every two years. Michigan regulation provides:

- 10-month rate case procedural schedule
- Utilities required to demonstrate sufficient resources to serve anticipated loads
- Voluntary green pricing programs
- 35% overall waste reduction and renewable energy goal by 2025, with 15% of generation from renewables by 2021
- EWR financial incentive mechanism
- I&M collects through base rates amounts to fund the projected future decommissioning costs for the Cook Nuclear Plant; the collected amounts are placed in external trusts

# AEP Ohio Overview



## **Marc Reitter** (President and Chief Operating Officer)

Since August 2021 – 20 years with AEP

### **AEP Ohio**

(organized in Ohio in 1907 and re-incorporated in 1924) is engaged in the transmission and distribution of electric power to approximately 1,515,000 retail customers in Ohio. AEP Ohio purchases energy and capacity to serve generation service customers who have not switched to a competitive generation supplier. As of December 31, 2021, AEP Ohio had 1,694 employees. AEP Ohio is a member of PJM.

### **Principal Industries Served**

- Primary Metals
- Petroleum and Coal Products Manufacturing
- Chemical Manufacturing
- Plastics and Rubber Products
- Pipeline Transportation
- Data Centers

### **Quick Facts**

<b>Total Customers</b>	<b>1,515,000</b>
Residential	1,317,000
Commercial	186,000
Industrial	9,000
Other	3,000
PPA Capacity	638 MW
PPA Capacity by Fuel Mix	
Coal	67.2%
Wind & Solar	32.8%
Transmission Miles	7,574
Distribution Miles	46,871

Note: Customer and line mile data as of 12/31/2021. Capacity data as of 9/30/2022.

# AEP Ohio Financial and Operational Data

## Capital Structure

Capital Structure	2021 <sup>1</sup>			9/30/2022 <sup>2</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization per Balance Sheet	\$ 3.0B	\$ 2.8B	\$ 5.8B	\$ 3.0B	\$ 3.0B	\$ 6.0B
% of Capitalization per Balance Sheet <sup>3</sup>	51.1%	48.9%	100.0%	50.1%	49.9%	100.0%
FFO Interest Coverage (rolling 12-months)			4.84			5.59
FFO Total Debt (rolling 12-months)			15.1%			16.6%

### Credit Ratings/Outlook (as of 11/1/2022)

Moody's

Rating

Baa1/S

S&P

A-/S

Fitch

A/S

### Asset Data<sup>2</sup> (as of 9/30/2022)

Total Assets

\$ 9.4 billion

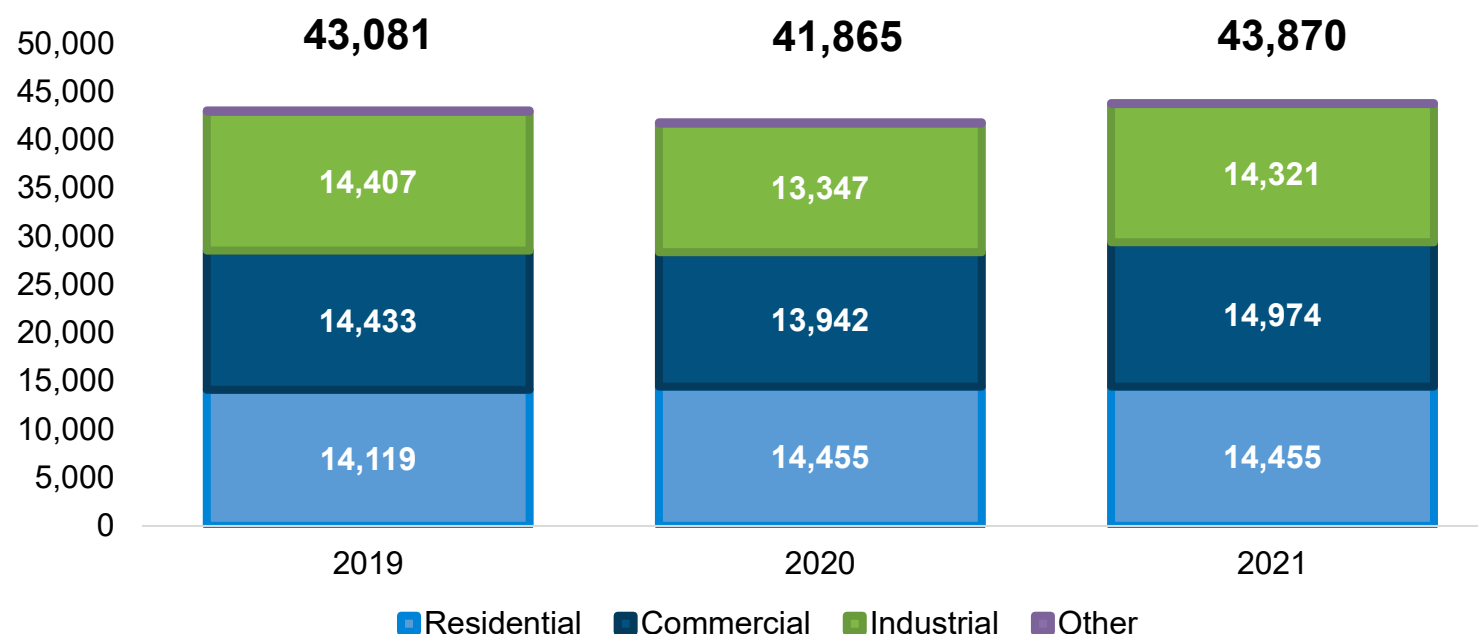
Net Plant Assets

\$ 8.4 billion

Cash

\$ 10.2 million

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



### Summary of Degree Days<sup>1</sup>

Heating (Actual)

2019

2020

2021

3,071

2,743

2,815

Heating (Normal)

3,208

3,202

3,190

Cooling (Actual)

1,224

1,140

1,222

Cooling (Normal)

992

1,006

1,016

<sup>1</sup> Source: 2021 10K Financial Statements.

<sup>2</sup> Source: 3Q22 Financial Statements (unaudited).

<sup>3</sup> May not recalculate due to rounding.

# Customer Statistics

## Ohio Investor Owned Utilities<sup>1</sup>

Ohio	Customers
<b>AEP Ohio</b>	<b>1,511,448</b>
FE (Ohio Edison)	1,062,269
FE (CEI)	755,212
Duke Energy Ohio Inc	735,921
AES Ohio	532,418
FE (Toledo Edison)	314,440

<sup>1</sup> Customer counts are a 12-month average as of December 31, 2021 and were sourced from Sales\_Ult\_Cust\_2021.xlsx at <https://www.eia.gov/electricity/data/eia861/>

## Typical Bill Comparison<sup>2</sup>

Ohio	\$/Month
<b>AEP Ohio (CSPCo)</b>	<b>134.15</b>
<b>AEP Ohio (OPCo)</b>	<b>134.13</b>
Duke Energy Ohio Inc	117.26
AES Ohio	89.32

<sup>2</sup> Typical bills are displayed in \$/month, based on 1,000 kWh of residential usage. Billing amounts sourced from the EEI Typical Bills and Average Rates Report as of January 1, 2022.

## Major Industrial Customer

- Lima Refining Co.
- TimkenSteel Corporation
- Globe Metallurgical, Inc.
- Eramet Marietta, Inc.
- Republic Steel
- JSW Steel Ohio, Inc.
- Marathon Petroleum Company LP
- Airgas USA, LLC
- Utica East Ohio Midstream, LLC
- Markwest Utica EMG, LLC

(Data for year ended December 2021)

## Additional Facts

- Top 10 customers = 32% of industrial sales
- Metropolitan areas account for 68% of ultimate sales
- 169 persons per square mile (U.S. = 87)

(Data for 12 months ended December 2021)



# Commission Overview

## PUBLIC UTILITIES COMMISSION OF OHIO

### Qualifications for Commissioners

Five members, appointed by the governor and confirmed by the state Senate; five-year staggered terms, full-time positions, commissioners shall be selected from the lists of qualified persons submitted to the governor by the PUCO nominating council. Not more than three of the members of the PUCO shall be members of the same political party. The governor appoints one of the five as chairman, who serves at the pleasure of the governor until a successor has been designated.

### Commissioners

Jenifer French, Chair, (Rep.), since 2021; term expires April 2024. Former Franklin County Court of Common Pleas judge over civil, criminal felony, and administrative matters. Previously worked on policy issues involving municipal utilities, zoning, planning and economic growth. Law degree from Thomas Jefferson School of Law.

M. Beth Trombold, Commissioner, (Ind.), since 2013; term expires April 2023. Was assistant director of the Ohio Development Services Agency. Co-vice chair on the Committee on Electricity of the National Association of Regulatory Utility Commissioners. Served as director of Economic Development and Public Affairs within PUCO. Master's degree in Public Policy and Management from The Ohio State University.

Dennis Deters, Commissioner, (Rep.), since 2019; term expires April 2026. Served in local government for the last decade, most recently as a judge on Ohio's First District Court of Appeals. Prior to that, served as a Colerain Township Trustee and Hamilton County Commissioner overseeing local regulation of basic public service. Law degree from the University of Cincinnati.

Lawrence Friedeman, Commissioner, (Dem.), since 2017; term expires April 2025. Previously employed as vice president of regulatory affairs and compliance at IGS Energy. Graduate degree from the University of Pittsburgh School of Law.

Daniel Conway, Commissioner, (Rep.) since 2017; term expires April 2027. Practiced energy and telecommunications law for more than 35 years representing utilities and telecommunications companies before the PUCO. Serves as an adjunct professor at The Ohio State University teaching public utility regulatory law. Law degree from the University of Michigan.

### QUICK FACTS

Number	5
Appointed/Elected	Appointed
Term	5 Years
Political Makeup	R:3, D:1, I:1

### AEP Regulatory Status

AEP Ohio currently has an approved electric security plan through May 2024. Transmission rates are regulated by FERC as reflected in the OATT and billed to retail customers via the basic transmission cost rider. Distribution rates are regulated by PUCO. AEP Ohio serves customers through base rates implemented in December 2021. In Ohio, certain distribution investments and operating costs are recoverable contemporaneously via separate riders.

# PSO Overview



**Leigh Anne Strahler** (President and Chief Operating Officer)

Since September 2022– 16 years with AEP

## Public Service Company of Oklahoma (PSO)

(organized in Oklahoma in 1913) is engaged in the generation, transmission and distribution of electric power to approximately 570,000 retail customers in eastern and southwestern Oklahoma, and in supplying and marketing electric power at wholesale to other electric utility companies, municipalities, rural electric cooperatives and other market participants. As of December 31, 2021, PSO had 1,018 employees. PSO is a member of SPP.

## Principal Industries Served

- Oil and Gas Extraction
- Paper Manufacturing
- Pipeline Transportation
- Petroleum and Coal Products Manufacturing
- Plastics and Rubber Products

## Quick Facts

<b>Total Customers</b>	<b>570,000</b>
Residential	489,000
Commercial	66,000
Industrial	7,000
Other	8,000
Owned Generating Capacity	4,380 MW
Gas PPA Capacity	260 MW
Wind PPA Capacity	1,137 MW
Generating & PPA Capacity by Fuel Mix	
Coal	8.0%
Natural Gas	60.6%
Wind	31.4%
Transmission Miles	2,770
Distribution Miles	20,644

Note: Customer and line mile data as of 12/31/2021. Capacity data as of 9/30/2022.

# PSO Financial and Operational Data

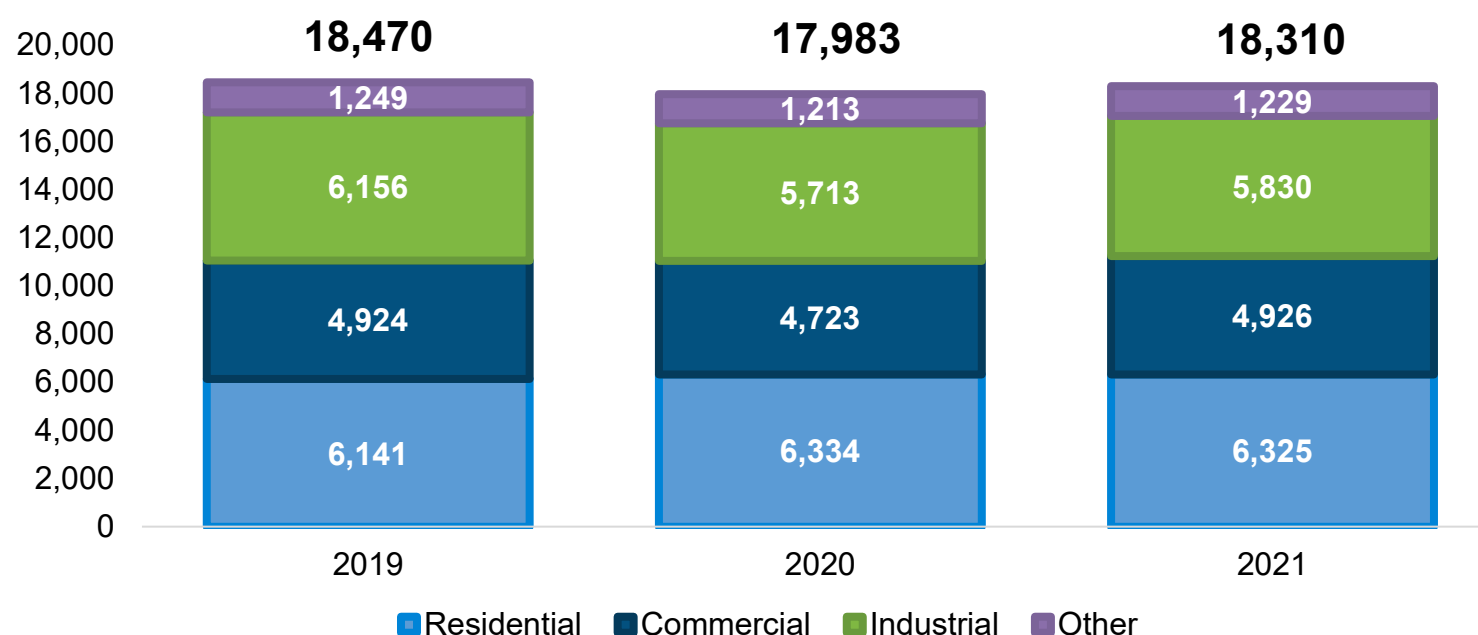
## Capital Structure

Capital Structure	2021 <sup>1,3</sup>			9/30/2022 <sup>2,5</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization	\$ 1.9B	\$ 1.7B	\$ 3.6B	\$ 2.1B	\$ 2.4B	\$ 4.5B
% of Capitalization <sup>4</sup>	51.6%	48.4%	100.0%	46.8%	53.2%	100.0%
FFO Interest Coverage (rolling 12-months) <sup>3</sup>			4.75			9.22
FFO Total Debt (rolling 12-months)			12.3%			29.6%

Credit Ratings/Outlook (as of 11/1/2022)	Rating
Moody's	Baa1/S
S&P	A-/S
Fitch	A-/S

Asset Data <sup>2</sup> (as of 9/30/2022)	
Total Assets	\$ 6.9 billion
Net Plant Assets	\$ 5.5 billion
Cash	\$ 5.5 million

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



Summary of Degree Days <sup>1</sup>	2019	2020	2021
Heating (Actual)	1,846	1,454	1,499
Heating (Normal)	1,751	1,744	1,742
Cooling (Actual)	2,265	2,069	2,198
Cooling (Normal)	2,160	2,174	2,165

<sup>1</sup> Source: 2021 10K Financial Statements.

<sup>2</sup> Source: 3Q22 Financial Statements (unaudited).

<sup>3</sup> Excludes the impact of Storm Uri in February 2021 that resulted in significant fuel and purchased power costs at PSO and related incurrence of debt as of 12/31/2021. Credit metrics saw temporary pressure in 2021 as we worked through the regulatory recovery process.

<sup>4</sup> May not recalculate due to rounding.

<sup>5</sup> PSO's FFO/Debt increased in 2022 mainly due to ~\$690M securitization bond proceeds issued in September 2022.

# Customer Statistics

## Oklahoma Investor Owned Utilities<sup>1</sup>

Oklahoma	Customers
OG&E	805,816
<b>PSO</b>	<b>568,226</b>
Empire District	4,758

<sup>1</sup> Customer counts are a 12-month average as of December 31, 2021 and were sourced from Sales\_Ult\_Cust\_2021.xlsx at <https://www.eia.gov/electricity/data/eia861/>

## Typical Bill Comparison<sup>2</sup>

Oklahoma	\$/Month
<b>PSO</b>	<b>110.93</b>
OG&E	98.00
Empire District	93.28

<sup>2</sup> Typical bills are displayed in \$/month, based on 1,000 kWh of residential usage. Billing amounts sourced from the EEI Typical Bills and Average Rates Report as of January 1, 2022.

## Major Industrial Customers

- International Paper Company
- Kimberly Clark Corp
- Woodford Express LLC
- Enable Products, LLC.
- Goodyear Tire & Rubber Company
- Oneok Field Services Co., LLC
- Holly Refining & Mktg
- Republic Paperboard, Inc.
- Terra Nitrogen Limited Partner

(Data for year ended December 2021)

## Additional Facts

- Top 10 customers = 45% of industrial sales
- Metropolitan areas account for 74% of ultimate sales
- 49 persons per square mile (U.S. = 87)

(Data for 12 months ended December 2021)

# Commission Overview

## OKLAHOMA CORPORATION COMMISSION

### Qualifications for Commissioners

The Oklahoma Corporation Commission (OCC) is composed of three commissioners who are elected by state-wide vote. Commissioners serve staggered six-year terms. The election pattern was established when the Commission was created by the state constitution.

### Commissioners

Dana Murphy, Chairman, (Rep.), since 2008; current term expires January 2023. Prior experience includes administrative law judge at the Commission. Member of the Electric Power Research Institute (EPRI) Advisory Council and of the Regional State Committee of Southwest Power Pool (SPP). Has more than 22 years experience in the petroleum industry including owning and operating her own private law practice and working as a geologist in the Oklahoma petroleum industry. Juris Doctor degree from Oklahoma City University.

Bob Anthony, Vice Chairman, (Rep.), since 1989; current term expires January 2025. Longest serving utility commissioner in the US. Member of the board of directors for NARUC. Serving on the Public Interest Advisory Committee of the Gas Technology Institute. Served on the boards of the Oklahoma State, Oklahoma City and South Oklahoma City chambers of commerce. Master's degree from the London School of Economics, Master's degree from Yale University and a Master's degree in Public Administration from the Kennedy School of Government at Harvard University.

Todd Hiatt, Commissioner, (Rep.), since 2015; current term expires January 2027. Member of NARUC. Elected to the Oklahoma House of Representatives in 1994, selected as House Minority Leader in 2002 and Speaker of House from 2004-2006. Undergraduate degree in Animal Science/Business from Oklahoma State University.

### QUICK FACTS

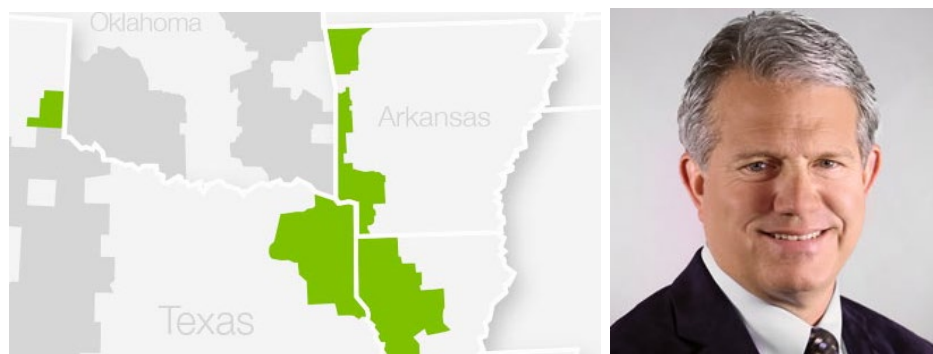
Number	3
Appointed/Elected	Elected
Term	6 Years
Political Makeup	R:3

### AEP Regulatory Status

PSO provides retail electric service in Oklahoma at bundled rates approved by the OCC. PSO's rates are set on a cost-of-service basis. Fuel and purchased power costs are recovered by applying a fuel adjustment factor to retail kilowatt-hour sales. The factor is generally adjusted annually and is based upon forecasted fuel and purchased energy costs. Over- or under-collections of fuel costs for prior periods are returned to or recovered from customers when new annual factors are established.



# SWEPCO Overview



**Brett Mattison** (President and Chief Operating Officer)  
Effective January 2023 – 32 years with AEP

## Southwestern Electric Power Company (SWEPCO)

(organized in Delaware in 1912) is engaged in the generation, transmission and distribution of electric power to approximately 548,000 retail customers in the northeastern and panhandle of Texas, northwestern Louisiana, and western Arkansas and in supplying and marketing electric power at wholesale to other electric utility companies, municipalities, rural electric cooperatives and other market participants. As of December 31, 2021, SWEPCO had 1,369 employees. The territory served by SWEPCO also includes several military installations, colleges and universities. SWEPCO is a member of SPP.

## Principal Industries Served

- Oil and Gas Extraction
- Food Manufacturing
- Paper Manufacturing
- Petroleum and Coal Products Manufacturing
- Chemical Manufacturing

## Quick Facts

<b>Total Customers</b>	<b>548,000</b>
Residential	466,000
Commercial	74,000
Industrial	7,000
Other	1,000
Owned Generating Capacity	5,585 MW
PPA Capacity	469 MW
Generating & PPA Capacity by Fuel Mix	
Coal	39.1%
Natural Gas	39.8%
Wind	21.1%
Transmission Miles	4,128
Distribution Miles	25,645

Note: Customer and line mile data as of 12/31/2021. Capacity data as of 9/30/2022.

# SWEPCO Financial and Operational Data

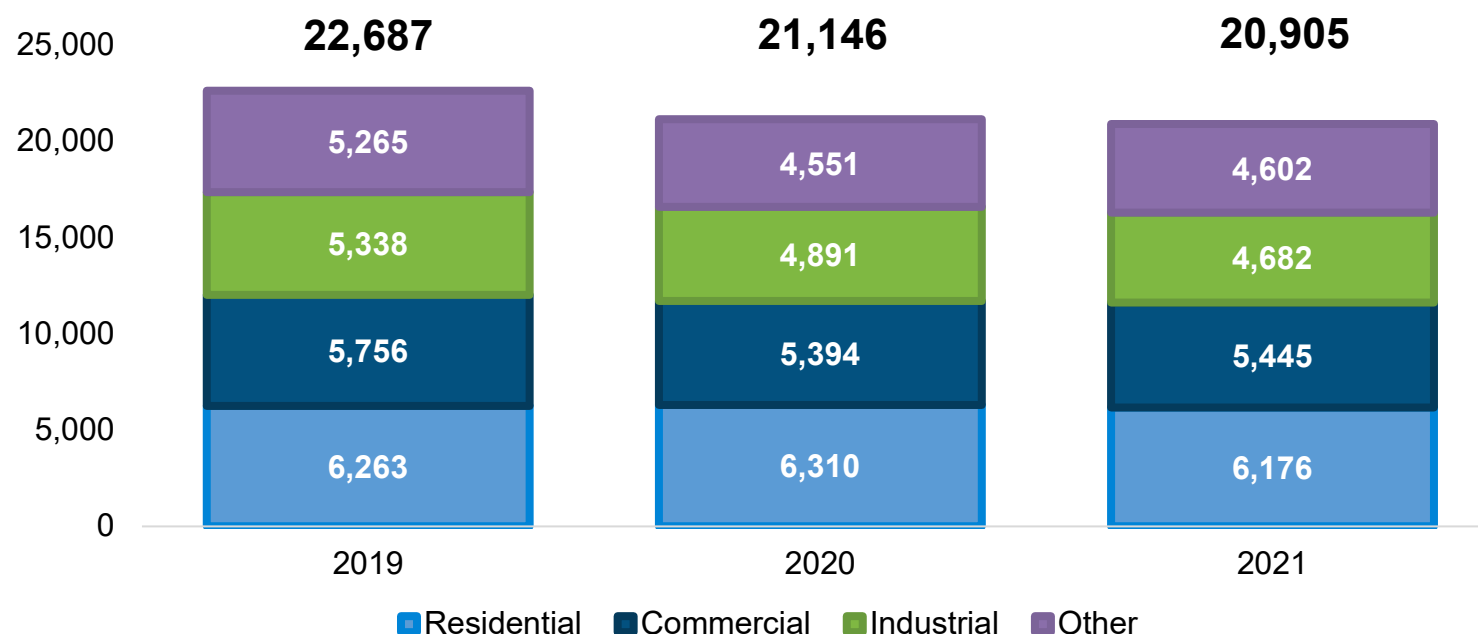
## Capital Structure

Capital Structure	2021 <sup>1,3</sup>			9/30/2022 <sup>2</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization	\$ 3.1B	\$ 3.0B	\$ 6.1B	\$ 3.5B	\$ 3.7B	\$ 7.2B
% of Capitalization <sup>4</sup>	50.1%	49.9%	100.0%	48.9%	51.1%	100.0%
FFO Interest Coverage (rolling 12-months)			3.86			4.62
FFO Total Debt (rolling 12-months)			11.4%			13.3%

Credit Ratings/Outlook (as of 11/1/2022)	Rating
Moody's	Baa2/S
S&P	A-/S
Fitch	BBB+/S

Asset Data <sup>2</sup> (as of 9/30/2022)	
Total Assets	\$ 10.3 billion
Net Plant Assets	\$ 8.2 billion
Cash	\$ 84.4 million

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



Summary of Degree Days <sup>1</sup>	2019	2020	2021
Heating (Actual)	1,174	862	981
Heating (Normal)	1,191	1,181	1,177
Cooling (Actual)	2,392	2,165	2,543
Cooling (Normal)	2,321	2,333	2,328

<sup>1</sup> Source: 2021 10K Financial Statements.

<sup>2</sup> Source: 3Q22 Financial Statements (unaudited).

<sup>3</sup> Excludes the impact of Storm Uri in February 2021 that resulted in significant fuel and purchased power costs at SWEPCO and related incurrence of debt as of 12/31/2021. Credit metrics saw temporary pressure in 2021 as we worked through the regulatory recovery process.

<sup>4</sup> May not recalculate due to rounding.

# Customer Statistics

## Southwestern Investor Owned Utilities<sup>1</sup>

Arkansas	Customers	Louisiana	Customers	Texas	Customers
Entergy AR	727,735	Entergy LA	1,106,510	Entergy TX	481,816
<b>SWEPCO</b>	<b>124,124</b>	CLECO	291,376	El Paso	341,835
OG&E	68,775	<b>SWEPCO</b>	<b>233,369</b>	SPSCO	272,869
Empire District	5,138	Entergy New Orleans	209,159	<b>SWEPCO</b>	<b>188,745</b>

<sup>1</sup> Customer counts are a 12-month average as of December 31, 2021 and were sourced from Sales\_Ult\_Cust\_2021.xlsx at <https://www.eia.gov/electricity/data/eia861/>

## Major Industrial Customers

- XTO Energy (TX)
- Calumet Lubricants (LA)
- Graphic Packaging International (TX)
- Cooper Tire & Rubber Company (AR)
- Pratt Paper, LLC (LA)
- Air Liquide Large Industries (TX)
- Pilgrims Pride (TX)
- Enterprise Products (TX)
- Benteler Steel Mill (LA)
- Glad Manufacturing (AR)

(Data for year ended December 2021)

## Typical Bill Comparison<sup>2</sup>

Arkansas	\$/Month	Louisiana	\$/Month	Texas	\$/Month
Empire District	116.24	CLECO	129.04	El Paso	140.96
Entergy AR	110.76	Entergy LA	119.65	SPSCO	123.66
<b>SWEPCO</b>	<b>102.03</b>	Entergy Gulf States	116.96	<b>SWEPCO</b>	<b>93.39</b>
OG&E	80.08	Entergy New Orleans	112.57		
		<b>SWEPCO</b>	<b>100.97</b>		

<sup>2</sup> Typical bills are displayed in \$/month, based on 1,000 kWh of residential usage. Billing amounts sourced from the EEI Typical Bills and Average Rates Report as of January 1, 2022.

## Additional Facts

- Top 10 customers = 34% of industrial sales
- Metropolitan areas account for 72% of ultimate sales
- 70 persons per square mile (U.S. = 87)

(Data for 12 months ended December 2021)

# Commission Overview

## ARKANSAS PUBLIC SERVICE COMMISSION

### Qualifications for Commissioners

The Arkansas Public Service Commission (APSC) is composed of three members. The Governor appoints the commissioners as well as the Chairman.

### Commissioners

Katie Anderson. Chair (Rep.), appointed in October 2022; current term ends in 2027. Previously served as an administrative law judge for the Arkansas Workers' Compensation Commission. Was senior manager of the state and local policy team for Walmart Stores nationwide. Juris Doctor degree from the University of Arkansas School of Law.

Kimberly A. O'Guinn. Commissioner (Dem.), since 2016; current term ends January 2023. Served as director of communications for the Arkansas Department of Environmental Quality and as an engineer in the Office of Air Quality. Bachelor's degree in Environmental Engineering from the University of Oklahoma.

Justin Tate, Commissioner (Rep.), since 2019; current term ends January 2025. Served in Governor Asa Hutchinson's Office as deputy chief legal counsel, chief legal counsel and director of rules and regulatory affairs. Juris Doctor degree from Vanderbilt University Law School.

### Quick Facts

Number	3
Appointed/Elected	Appointed
Term	6 Years
Political Makeup	R:2, D:1

### AEP Regulatory Status

SWEPCO-AR provides service at regulated bundled rates in Arkansas. Arkansas has an active fuel pass-through clause. Arkansas allows a forward looking test year that can be based on six months actual and six months budgeted data. Arkansas also allows adjustments to the test year for all known and measurable changes which occur within twelve months after the end of the test year. In October 2019, SWEPCO reached a settlement for their 2019 base rate case which allowed for a Formula Rate Plan for a five year term, beginning in 2021. In order to capture the North Central Wind project in base rates, SWEPCO filed a base rate case in July 2021, with a request to re-implement a Formula Rate Plan for five years. The order for that case was issued in May 2022 with rates effective July 2022.

# Commission Overview

## LOUISIANA PUBLIC SERVICE COMMISSION

### Qualifications for Commissioners

The Louisiana Public Service Commission (LPSC) is composed of five elected members. The commissioners serve overlapping terms of six years.

### Commissioners

Craig Greene, Chairman, (Rep.), since 2017; current term ends December 2024. Orthopedic surgeon in Baton Rouge. Undergraduate and medical degrees from Louisiana State University and an MBA from Yale University.

Mike Francis, Commissioner, (Rep.), since 2016; current term ends December 2022. Past founder and chief executive officer of Francis Drilling Fluids, Ltd, one of the oldest drilling fluids companies on the Gulf Coast. Chairman of the Republican Party in Louisiana from 1994-2000.

Foster L. Campbell, Commissioner, (Dem.), since 2003; current term ends December 2026. Former member of the Louisiana State Senate (1976-2002). Independent insurance businessman and farmer, former school teacher and agricultural products salesman. Degree from Northwestern State University.

Lambert C. Boissiere, III, Vice Chairman, (Dem.), since 2005; current term ends December 2022. Former First City Court Constable for the City of New Orleans. Member of NARUC. Bachelor's degree from Southern University of New Orleans.

Eric Skrmetta, Commissioner, (Rep.), since 2009; current term ends December 2026. Practicing Attorney since 1985 and Practicing Mediator since 1989. Republican State Central Committee District 81. Juris Doctor degree from Southern University Law School.

### QUICK FACTS

Number	5
Appointed/Elected	Elected
Term	6 Years
Political Makeup	R:3, D:2

### AEP Regulatory Status

SWEPCO-LA provides service at regulated bundled rates in Louisiana. Louisiana has an active fuel pass-through clause and an OSS margin sharing mechanism. 100% of OSS margins will be to the benefit of customers. All investor-owned utilities are regulated pursuant to formula rate plans (FRP). Louisiana has allowed CWIP return on new generation projects, in limited circumstances. The FRP was implemented for SWEPCO in August 2008 with annual true-ups required. SWEPCO settled its 2017 test year FRP. SWEPCO filed a rate case in December 2020 and expects a Commission order in the fourth quarter of 2022.



# Commission Overview

## PUBLIC UTILITY COMMISSION OF TEXAS

### Qualifications for Commissioners

To be eligible for appointment by the Governor, a commissioner must be as follows: a qualified voter and a citizen of the U.S.; a resident of Texas, a competent and experienced administrator and have at least five years of experience in the administration of business or government or as a practicing attorney, professional engineer or certified public accountant. At least two commissioners must be well-informed and qualified in the field of public utilities and utility regulation. The Chairman is appointed by the Governor.

### Commissioners

Peter Lake, Chairman, since 2021; current term expires September 1, 2023. Before his appointment, Lake served as Chairman of the Texas Water Development Board. Master’s of Business Administration from Stanford University’s Graduate School of Business.

Lori Cobos, Commissioner, since 2021. Before her appointment, Cobos served as Chief Executive and Public Counsel for the Office of Public Utility Council. Has broad public and private sector experience in the Texas electric power industry. Juris Doctor degree from Texas Tech University.

Jimmy Glotfelty, Commissioner, appointed by Governor Greg Abbott in August 2021 with a term set to expire on September 1, 2025. He is the former Director of Government Solutions for Quanta Services, former Founder and Executive Vice President for Clean Line Energy Partners, and the former Managing Director for ICF Consulting.

Will McAdams, Commissioner, since 2021; Appointed by Governor Greg Abbott on April 1, 2021 for a term set to expire on September 1, 2025. Before his appointment, McAdams served as President of the Associated Builders and Contractors of Texas.

Kathleen Jackson, Commissioner, was appointed by Governor Greg Abbott on August 5, 2022. Her term expires on September 1, 2027. She previously served as a Board Member of the Texas Water Development Board since 2014. Jackson received a Bachelor’s degree in Chemical Engineering from North Carolina State University.

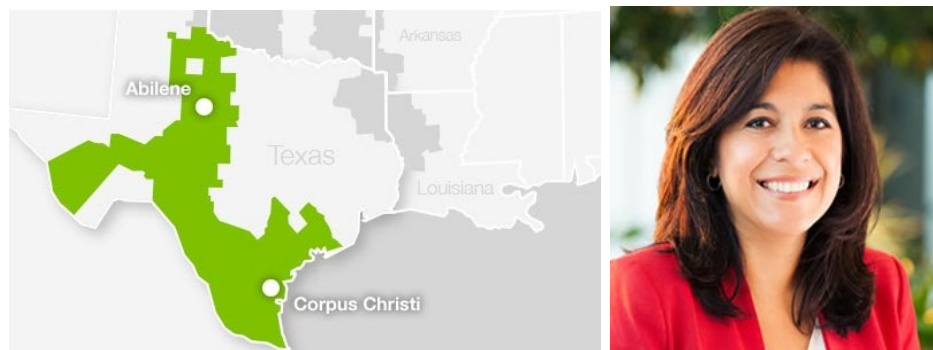
### QUICK FACTS

Number	5
Appointed/Elected	Appointed
Term	6 Years

### AEP Regulatory Status

Retail competition in the SPP area of Texas, including SWEPCO’s territory, has been delayed by legislation. SWEPCO-TX has an active fuel pass-through clause as well as OSS margin sharing of 10%. In limited circumstances, CWIP is allowed in rate base. Texas has a mandatory, statewide renewable installed capacity requirement of 5,880 MW by 2015 and a target of 10,000 MW by 2025, which it has surpassed. SWEPCO-TX is able to file a formula-rate styled application for its transmission and distribution investment via the Transmission Cost Recovery Factor (TCRF) and Distribution Cost Recovery Factor (DCRF). In 2020, the Commission approved a generation cost recovery rider which allows recovery of discrete generation investments upon commercial operation, including new units and significant retrofits. An order for the most recent SWEPCO-TX base rate case was received in January 2022 and was retroactive to March 2021.

# AEP Texas Overview



**Judith Talavera** (President and Chief Operating Officer)  
Since June 2016 – 22 years with AEP

## AEP Texas

(organized in Delaware in 1925) was formed by the merger of AEP Texas Central Company and AEP Texas North Company in December 2016 and is engaged in the transmission and distribution of electric power to approximately 1,082,000 retail customers in west, central and southern Texas. The territory served by AEP Texas includes several military installations. As of December 31, 2021, AEP Texas had 1,575 employees. AEP Texas is a member of ERCOT.

## Principal Industries Served

- Petroleum and Coal Products Manufacturing
- Chemical Manufacturing
- Oil and Gas Extraction
- Pipeline Transportation
- Support Activities for Mining

## Quick Facts

<b>Total Customers</b>	<b>1,082,000</b>
Residential	910,000
Commercial	152,000
Industrial	12,000
Other	8,000
Transmission Miles	8,518
Distribution Miles	44,809

Note: Customer and line mile data as of 12/31/2021.

## Major Industrial Customers

- Valero Energy Corporation
- Flint Hills Resources
- Markwest Energy Partners
- Corpus Christi Liquefaction, LLC
- Formosa Utility Venture, LTD

(Data for year ended December 2021)

# AEP Texas Financial and Operational Data

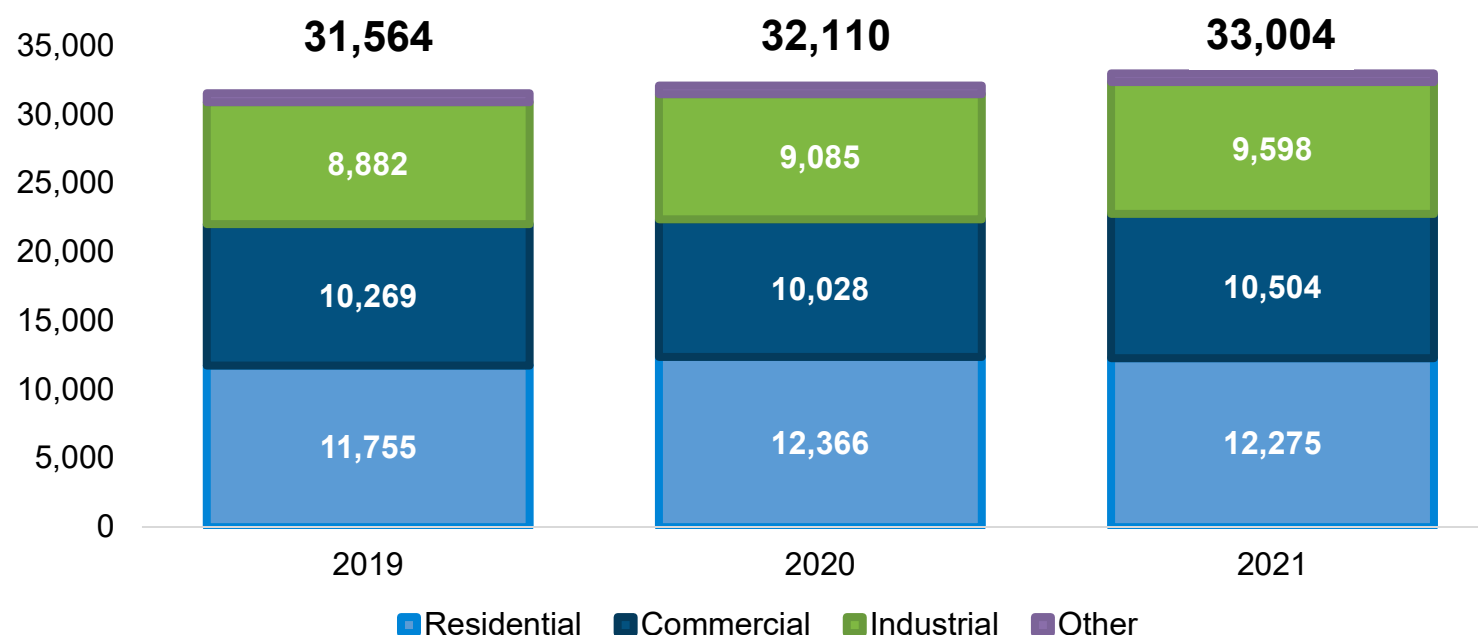
## Capital Structure

Capital Structure	2021 <sup>1</sup>			9/30/2022 <sup>2</sup>		
	Debt	Equity	Total	Debt	Equity	Total
Capitalization per Balance Sheet	\$ 5.2B	\$ 3.6B	\$ 8.8B	\$ 5.7B	\$ 3.9B	\$ 9.6B
% of Capitalization per Balance Sheet <sup>3</sup>	59.2%	40.8%	100.0%	59.7%	40.3%	100.0%
FFO Interest Coverage (rolling 12-months)			4.21			4.42
FFO Total Debt (rolling 12-months)			11.7%			12.5%

Credit Ratings/Outlook (as of 11/1/2022)	Rating
Moody's	Baa2/S
S&P	A-/S
Fitch	BBB+/S

Asset Data <sup>2</sup> (as of 9/30/2022)	
Total Assets	\$ 12.7 billion
Net Plant Assets	\$ 11.3 billion
Cash	\$ 100 thousand

## Summary of KWh Energy Sales (in millions of KWhs, weather normalized)



Summary of Degree Days <sup>1</sup>	2019	2020	2021
Heating (Actual)	301	189	341
Heating (Normal)	322	313	310
Cooling (Actual)	2,989	2,846	2,653
Cooling (Normal)	2,699	2,711	2,712

<sup>1</sup> Source: 2021 10K Financial Statements.

<sup>2</sup> Source: 3Q22 Financial Statements (unaudited).

<sup>3</sup> May not recalculate due to rounding.

# Commission Overview

## PUBLIC UTILITY COMMISSION OF TEXAS

### Qualifications for Commissioners

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### QUICK FACTS

Number	5
Appointed/Elected	Appointed
Term	6 Years

### AEP Regulatory Status

AEP Texas provides retail transmission and distribution service on a cost-of-service basis at rates approved by the PUCT and wholesale transmission service under tariffs approved by FERC consistent with PUCT rules. Distribution rate riders recover distribution investment, wholesale transmission expenses and energy efficiency costs. Interim Transmission Cost of Service (TCOS) filings can be filed twice a year to recover transmission investment and Distribution Cost Recovery Factor (DCRF) filings can be filed once a year to recover distribution investment.



# COMPETITIVE BUSINESS

- **Competitive Business Platform**
- **Competitive Business Presence**
- **Unregulated Contracted Renewable Assets**
- **Retail – AEP Energy**





# Competitive Business Platform



## CUSTOMER CLASSES

- Residential
- Commercial
- Industrial
- Municipals
- Cooperatives

## DISTRIBUTED RESOURCES



- Solar
- Energy Storage
- Reciprocating Engines
- Fuel Cells
- Substations

## RETAIL SERVICES



- Electric Sales
- Natural Gas Sales
- Demand Response Sales
- Sustainability Services

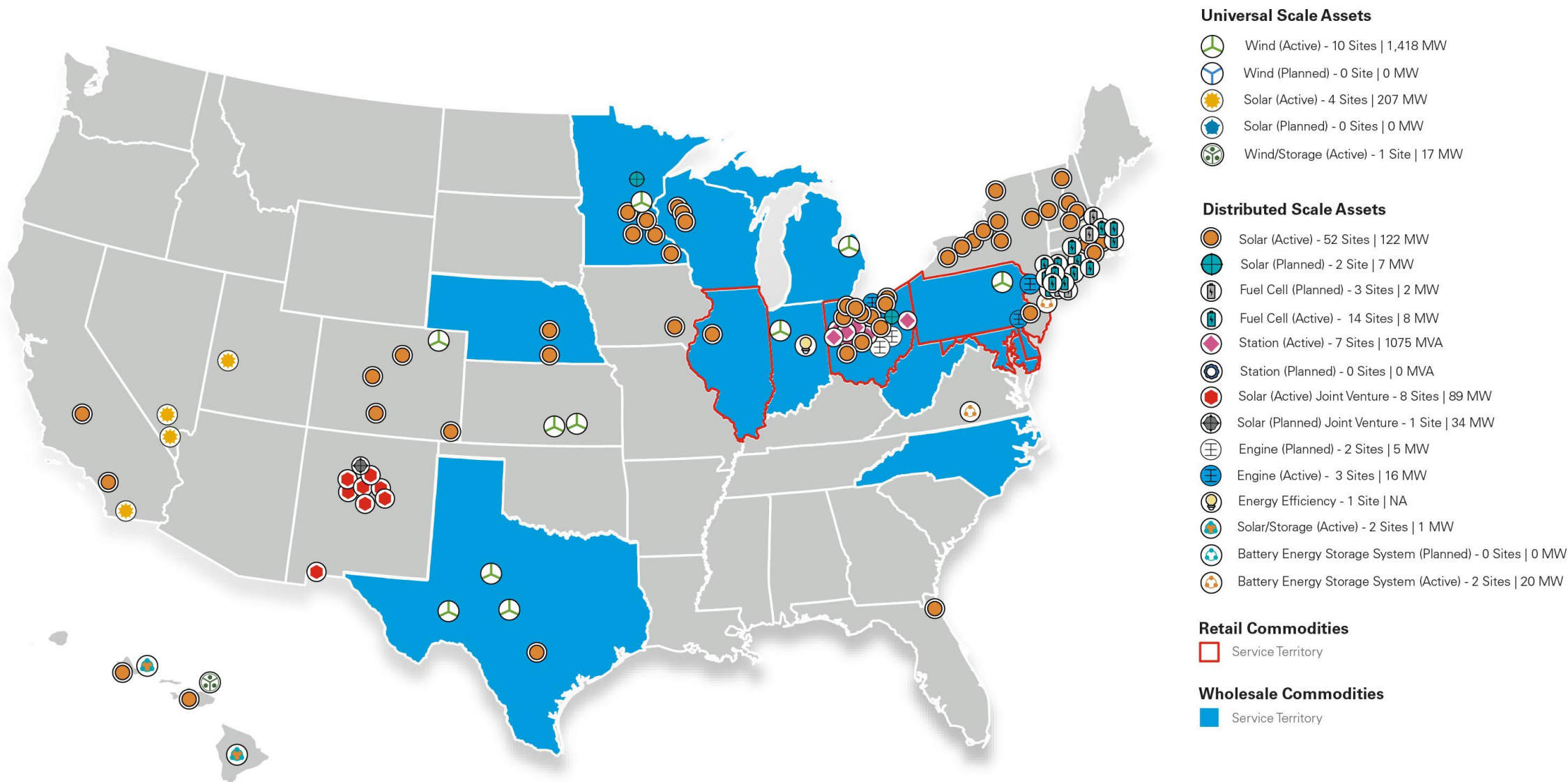
## WHOLESALE SERVICES



- Electric Sales
- Renewable PPA Sourcing
- Congestion Management
- RTO Services
- Portfolio Optimization

# Competitive Business Presence

Active in 31 States (6 states overlap with AEP Utilities)



As of 9/30/2022

# Unregulated Contracted Renewable Assets

In February 2022, AEP announced its intention to sell its contracted renewable asset portfolio. Sales process launched in late August 2022 and is on track for a Q2 2023 close. The portfolio is made up of the following projects:

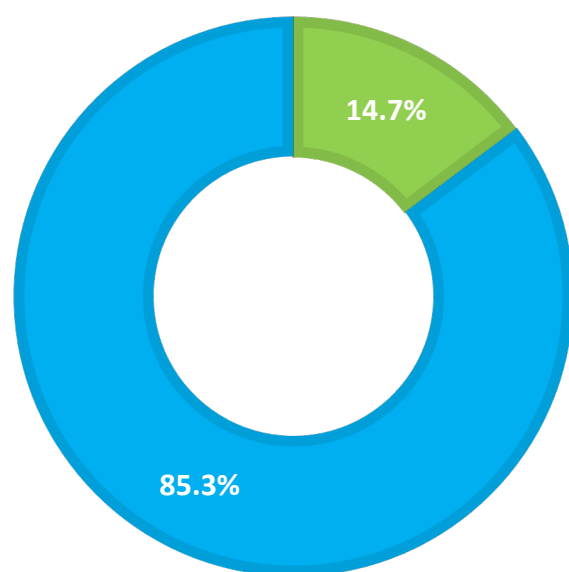
Project Name	Location	Resource	Commercial Operation Date	MW
Santa Rita East	Texas	Wind	July 2019	257
Trent Mesa	Texas	Wind	August 2018 <sup>1</sup>	156
Desert Sky	Texas	Wind	July 2018 <sup>1</sup>	170
Pavant	Utah	Solar	December 2016	20
Boulder	Nevada	Solar	January 2017	50
Jacumba	California	Solar	August 2017	20
Dry Lake	Nevada	Solar	May 2021	75
Black Oak Getty	Minnesota	Wind	December 2016	78
Apple Blossom	Michigan	Wind	November 2017	100
Mehoopany	Pennsylvania	Wind	December 2012	70
Fowler Ridge	Indiana	Wind	December 2009	100
Cedar Creek	Colorado	Wind	October 2011	124
Flat Ridge II	Kansas	Wind	December 2012	235
Auwahi	Hawaii	Wind / Battery	December 2012	17
Flat Ridge III	Kansas	Wind	December 2021	128
<b>Total MW Announced in February 2022</b>				<b>1,600</b>
Less Flat Ridge II <sup>2</sup>				(235)
<b>Total MW</b>				<b>1,365</b>

<sup>1</sup> Commercial operation date represents repower completion date.

<sup>2</sup> AEP excluded Flat Ridge II from the contracted renewables asset portfolio. AEP is selling Flat Ridge II and expects to close on this sale following FERC approval in Q4 2022. By selling Flat Ridge II separately, AEP avoids the risk associated with the construction phase of repowering and simplifies the sales process of the contracted renewables asset portfolio.

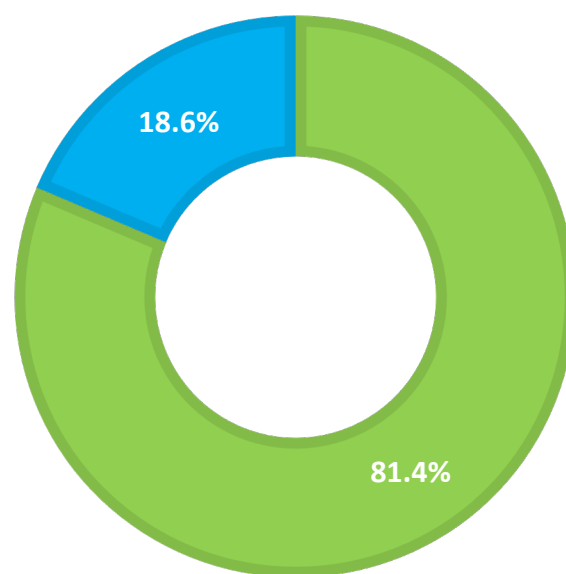
# Retail – AEP Energy

## Customer Accounts



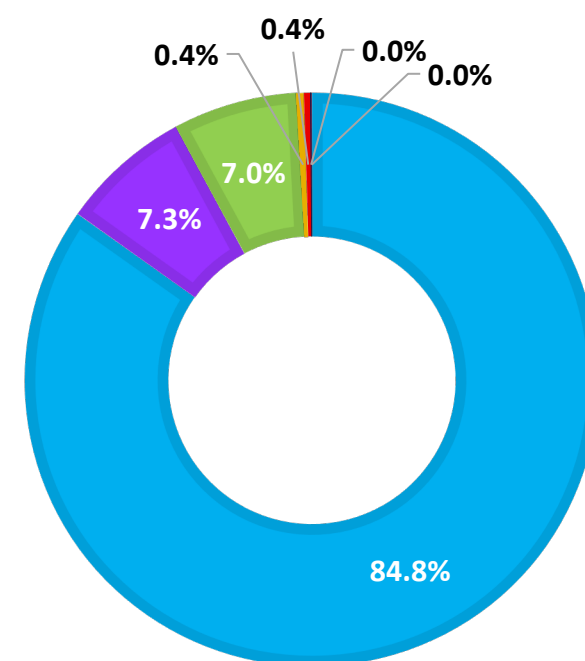
■ Commercial & Industrial ■ Residential

## Delivered Load



■ Commercial & Industrial ■ Residential

## Geography of Customers



■ OH ■ PA ■ IL ■ MD ■ NJ ■ DE ■ DC

As of 9/30/2022

- Approximately 673,000 retail customer accounts (including approximately 179,000 retail gas accounts).
- YTD served 17.5 TWh of load.