AMERICAN ELECTRIC POWER

3rd Quarter 2022 Earnings Release Presentation

October 27, 2022

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

Darcy Reese, Vice President

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

Annie Pribisko, Director

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

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.

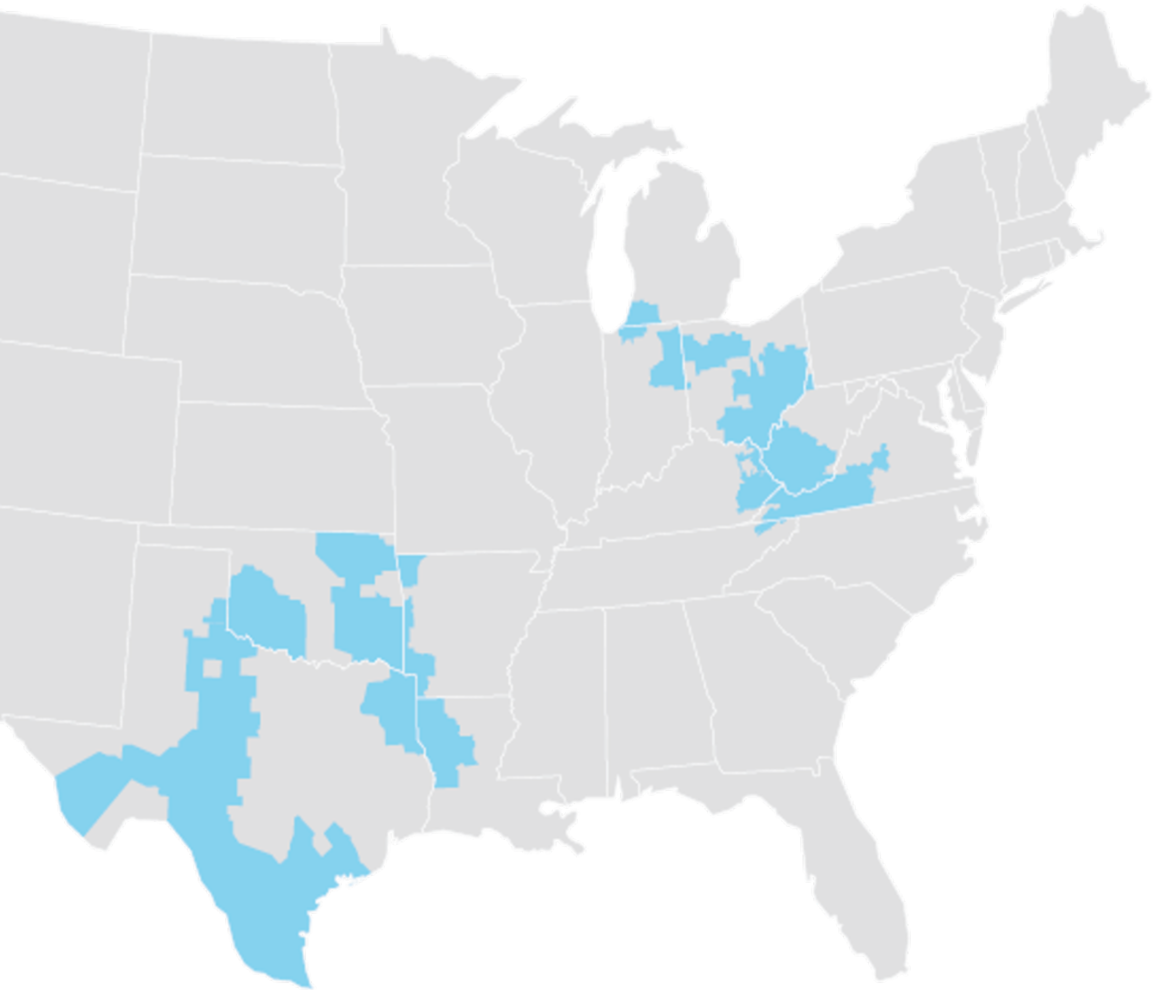
Non-GAAP Financial Measures

AEP reports its financial results in accordance with accounting principles generally accepted in the United States (GAAP). AEP supplements the reporting of financial information determined in accordance with GAAP with certain non-GAAP financial measures, including operating earnings (non-GAAP) and FFO to Total Debt. Operating earnings (non-GAAP) excludes certain gains and losses and other specified items, including mark-to-market adjustments from commodity hedging activities and other items as set forth in the reconciliation in the Appendix. FFO to Total Debt is adjusted for the effects of securitization, spent nuclear fuel trust, capital and operating leases, pension, capitalized interest and changes in working capital. Operating earnings could differ from GAAP earnings for matters such as impairments, divestitures, or changes in accounting principles. AEP management is not able to forecast if any of these items will occur or any amounts that may be reported for future periods. Therefore, AEP is not able to provide a corresponding GAAP equivalent for earnings guidance. Reflecting special items recorded through the third quarter of 2022, the estimated earnings per share on a GAAP basis would be $4.69 to $4.79 per share.

This information is intended to enhance an investor's overall understanding of period over period financial results and provide an indication of AEP's baseline operating performance by excluding items that are considered by management to be not directly related to the ongoing operations of the business. In addition, this information is among the primary indicators management uses as a basis for evaluating performance, allocating resources, setting incentive compensation targets and planning and forecasting of future periods.

These non-GAAP financial measures are not a presentation defined under GAAP and may not be comparable to other companies' presentations. AEP has provided these non-GAAP financial measures as supplemental information and in addition to the financial measures that are calculated and presented in accordance with GAAP. These non-GAAP measures should not be deemed more useful than, a substitute for, or an alternative to the most comparable GAAP measures provided in the materials presented. Reconciliations of these non-GAAP measures to the most comparable GAAP measures are provided in the appendices and supplemental schedules to this presentation.

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

$44B
CURRENT MARKET CAPITALIZATION
As of October 26, 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.

AEP's Strategic Vision and Execution

- ZERO HARM
- STRONG, DIVERSE & INCLUSIVE CULTURE
- 6%-7% PER YEAR EPS GROWTH
- OPERATIONAL EXCELLENCE

STRATEGIC PILLAR	STRATEGIC PRIORITIES
AFFORDABLE Enable equitable access to affordable and reliable electricity	• Be an industry leader in cost efficiency while prioritizing spending appropriately to ensure safe and reliable service • Grow our business while keeping rates at or below regional average and competing technologies • Demonstrate the value received from our service and evolve rate design to recognize differences in our customers
CUSTOMER & COMMUNITY CENTRIC GROWTH Expand investments and service offerings	• Position AEP service territory more competitively (locations/rates/time to serve) to increase economic development and job growth • Diversify our asset base and service offerings • Advance electrification of the economy • Maximize federal and state funding opportunities for infrastructure investment
CLEAN & RELIABLE Lead the transformation to a clean energy economy through a grid utilizing zero carbon resources in an economically responsible manner	• Transition to zero carbon reliable generation mix • Build the transmission system of the future to facilitate the interconnection of zero carbon resources across and in between our regions • Plan and develop the distribution system of the future to support electrification and integration of distributed loads and sources
ADVANCE & ACHIEVE Advance how we work to drive financial and operational excellence; empower teams to integrate technologies, analytics and risk mitigation tools for the benefit of our customers and communities	• Simplify our organizational design and align decisions rights with accountability • Drive cross functional optimization in our work, invest and focus on our core competencies, and leverage outside expertise for non-core skillsets • Leverage technology and data to drive efficiency, quality and improved decision making
ENGAGE Be a great place to work; inclusive and high performing culture; opportunity and growth; organization alignment and performance	• Build and sustain a culture that embraces authenticity at work; foster a highly engaged, safe, inclusive work environment promoting employee well-being • Equip the organization with effective goal planning, development planning and performance management processes, and support to ensure employees are invested in and understand their link to AEP's overall success • Create a continuous learning culture through expanded access to learning paths for all employees • Develop and support leaders to excel in talent management, succession and development planning to effectively leverage the workforce

3rd Quarter 2022 Business Update

Financial highlights and commitments

- 3rd Quarter 2022 operating earnings of $1.62 per share or $831M
- Narrowed 2022 operating earnings guidance range to $4.97-$5.07, raising midpoint to $5.02
- Newly introduced 2023 operating earnings guidance range of $5.19-$5.39, midpoint of $5.29
- Reaffirm 6-7% long-term growth underpinned by robust 2023-2027 capital forecast of $40B, including $26B of wires investment and $9B allocated to regulated renewables
- Dividend growth in line with earnings and within targeted payout ratio of 60%-70%
- Strong balance sheet with targeted FFO/Debt of 14%-15%

Delivering on stakeholder commitments

Active management to simplify and de-risk our business

- Sale of Kentucky operations to Liberty expected to close in January 2023
- Unregulated contracted renewables portfolio sale on track for a 2nd Quarter 2023 close
- Strategic review of the Retail Business estimated to be complete in first half of 2023

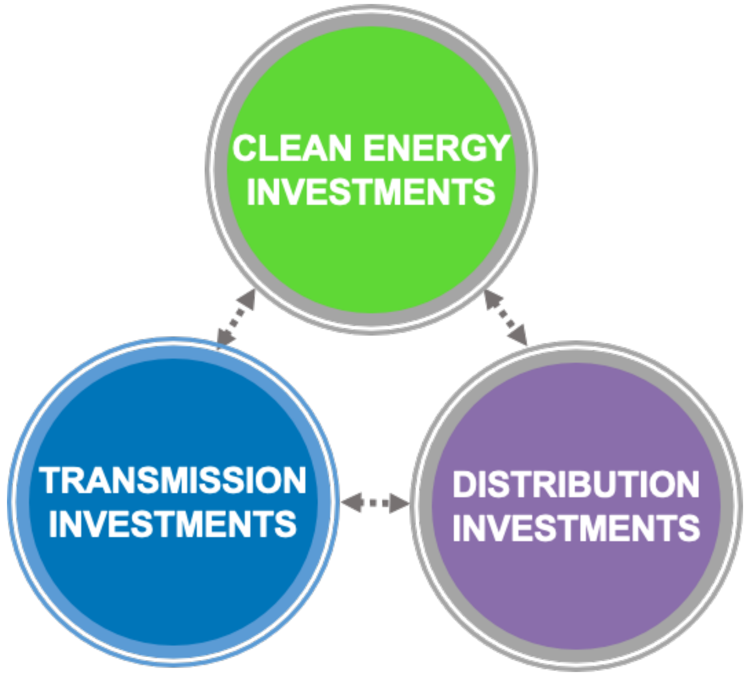
Emission reduction goals and generation fleet transformation

- 80% reduction by 2030 off a new 2005 baseline and accelerated net-zero goal to 2045
- Regulated renewables execution and 17 GW of new resource opportunities between 2023-2032

Current regulatory activity: ROEs, Louisiana, Virginia and fuel cost management

AMERICAN ELECTRIC POWER

Regulated Capital Investment Strategy



KEY INVESTMENT STRATEGIES

- **Transform our electric generation fleet** to drive-down costs to customers and achieve our climate goals
- **Develop a modern and secure electric transmission grid** to bolster system reliability, enhance market efficiency and integrate new generation resources
- **Modernize the electric distribution system** to enhance reliability, accommodate changing resources, loads, advanced technologies and increase customer satisfaction
- Work with regulators, policymakers and key stakeholders to **ensure a durable and sustainable transition to a clean energy economy** by balancing decarbonization goals and timelines with system reliability, resiliency, security and affordability

Our flexible and robust capital plan is designed to meet our customer needs

2023-2027 CAPITAL INVESTMENT

$15.0B
TRANSMISSION
Transmission Investment in Current 5-year Capital Plan

$10.8B
DISTRIBUTION
Distribution Investment in Current 5-year Capital Plan

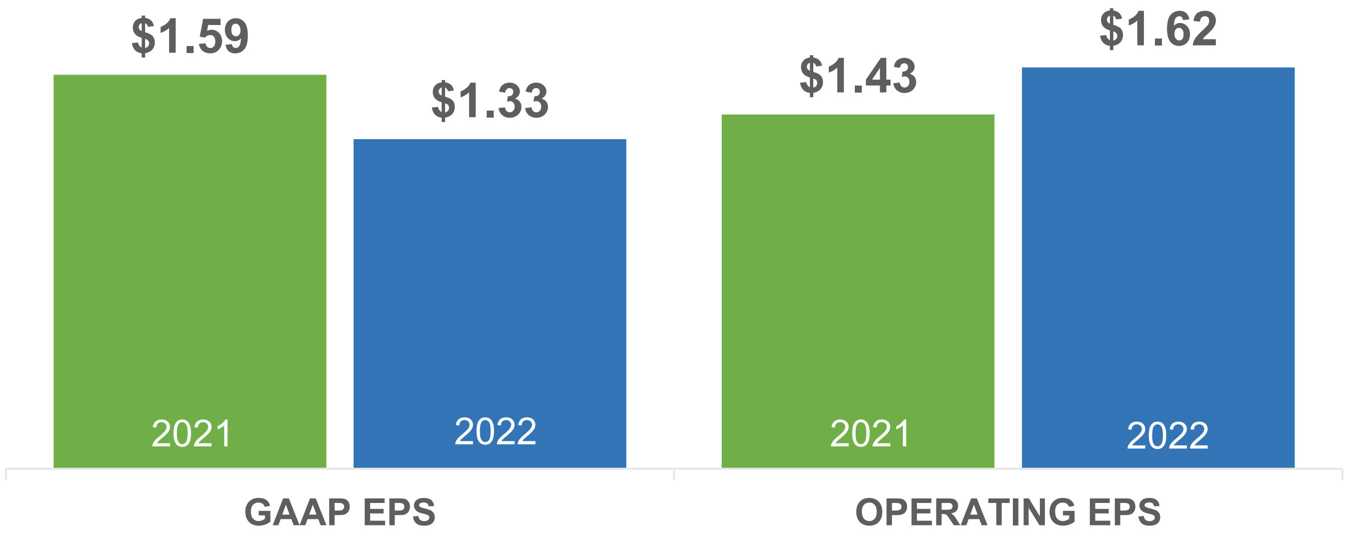
$8.6B
REGULATED RENEWABLES
Regulated Renewable Investment in Current 5-year Capital Plan

We have developed a significant pipeline of organic growth opportunities beyond the investments included in our 5-year capital plan

3rd Quarter 2022 Financial Update

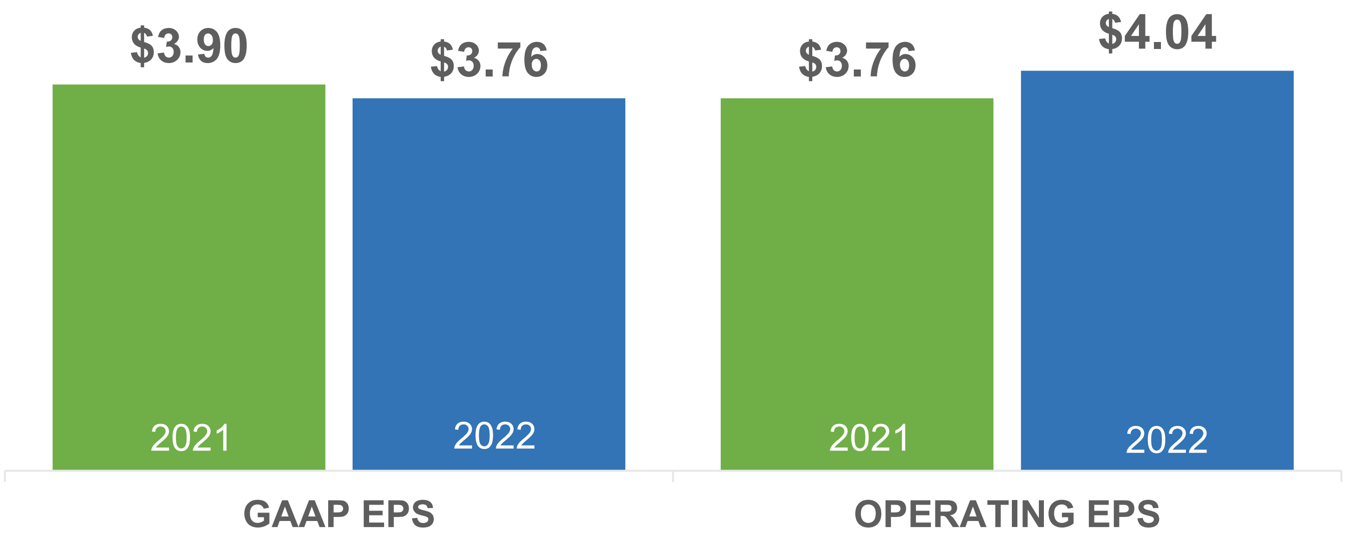
3rd QUARTER 2022

- Delivered GAAP earnings of $1.33 per share or $683.7M for the third quarter of 2022
- Delivered operating earnings of $1.62 per share or $831M for the third quarter of 2022



YTD 2022

- Delivered GAAP earnings of $3.76 per share or $1.92B for YTD September 2022
- Delivered operating earnings of $4.04 per share or $2.07B for YTD September 2022



Quarterly EPS is a stand alone amount and not always additive to full year amount due to rounding.

Refer to Appendix for reconciliation between GAAP and Operating EPS with differences primarily driven by the mark-to-market impact on commodity hedging activities, gain on sale of mineral rights, write-off of Flat Ridge 2, write-off of certain Virginia assets and the Kentucky sale costs.

AMERICAN ELECTRIC POWER

3rd Quarter Operating Earnings Segment Detail

Key Drivers Q3-22 vs. Q3-21

Refer to Appendix for additional explanation of variances by segment.

Vertically Integrated Utilities

Rate Changes	$0.14
APCo VA Triennial Review	$0.06
Weather	$0.02
Normal Load	$(0.02)
Off-System Sales	$0.01
Trans Revenue	$0.03
O&M	$(0.01)
Depreciation	$(0.11)
Income Taxes	$(0.05)
Other	$0.03

Transmission and Distribution Utilities

Rate Changes	$0.06
Weather	$0.02
Trans Revenue	$0.03
O&M	$(0.04)
Depreciation	$(0.03)
Income Taxes	$(0.02)
Other	$(0.01)

AEP Transmission Holdco

Invest Growth	$0.02
Income Taxes	$(0.01)
Other	$(0.01)

Generation & Marketing

Renewables	$0.01
Generation	$0.01
Retail	$0.05
Wholesale	$0.01
Income Taxes	$0.02

Corporate and Other

O&M	$(0.02)
Investment Gain	$0.03
Interest	$(0.04)
Income Taxes	$0.01

2021 Actual	VERTICALLY INTEGRATED UTILITIES	TRANSMISSION AND DISTRIBUTION UTILITIES	AEP TRANSMISSION HOLDCO	GENERATION & MARKETING	CORPORATE AND OTHER	2022 Actual
2022 Actual EPS	**$0.97**	**$0.32**	**$0.33**	**$0.14**	**$(0.14)**	**$1.62**

YTD Operating Earnings Segment Detail

Key Drivers YTD-22 vs. YTD-21

	2021 Actual	VERTICALLY INTEGRATED UTILITIES	TRANSMISSION AND DISTRIBUTION UTILITIES	AEP TRANSMISSION HOLDCO	GENERATION & MARKETING	CORPORATE AND OTHER	2022 Actual
	$3.76 Per Share	0.28	0.10	(0.07)	0.14	(0.17)	$4.04 Per Share
2022 Actual EPS		**$2.15**	**$0.95**	**$0.95**	**$0.34**	**$(0.35)**	**$4.04**

Vertically Integrated Utilities

Rate Changes	$0.31
APCo VA Triennial review	$0.06
Weather	$0.06
Normal Load	$0.06
Off-System Sales	$(0.03)
Trans Revenue	$0.11
O&M	$0.02
Depreciation	$(0.34)
Income Taxes	$(0.02)
Other	$0.05

Transmission and Distribution Utilities

Rate Changes	$0.16
Weather	$0.04
Normal Load	$0.04
Trans Revenue	$0.10
O&M	$(0.12)
Depreciation	$(0.07)
Other Taxes	$(0.03)
Income Taxes	$0.01
Other	$(0.03)

AEP Transmission Holdco

Invest Growth	$0.06
Annual True-up	$(0.07)
Income Taxes	$(0.03)
Other	$(0.03)

Generation & Marketing

Renewables	$0.05
Generation	$0.02
Retail	$0.02
Wholesale	$0.04
Income Taxes	$0.02
Other	$(0.01)

Corporate and Other

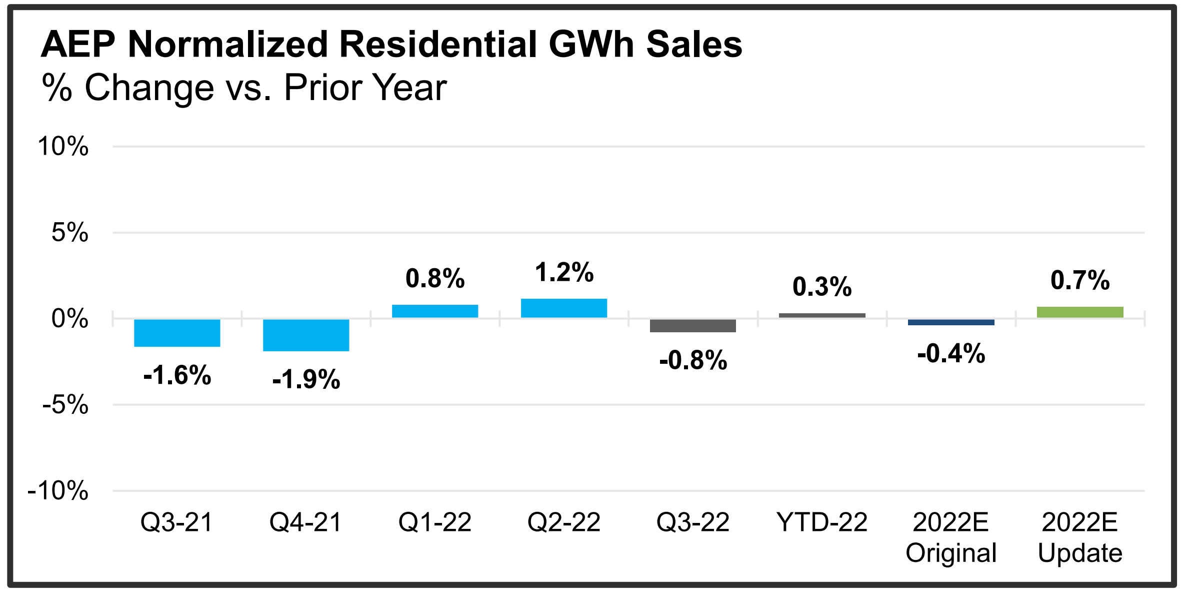
O&M	$(0.06)
Investment Gain	$(0.07)
Interest	$(0.09)
Income Taxes	$0.02
Other	$0.03

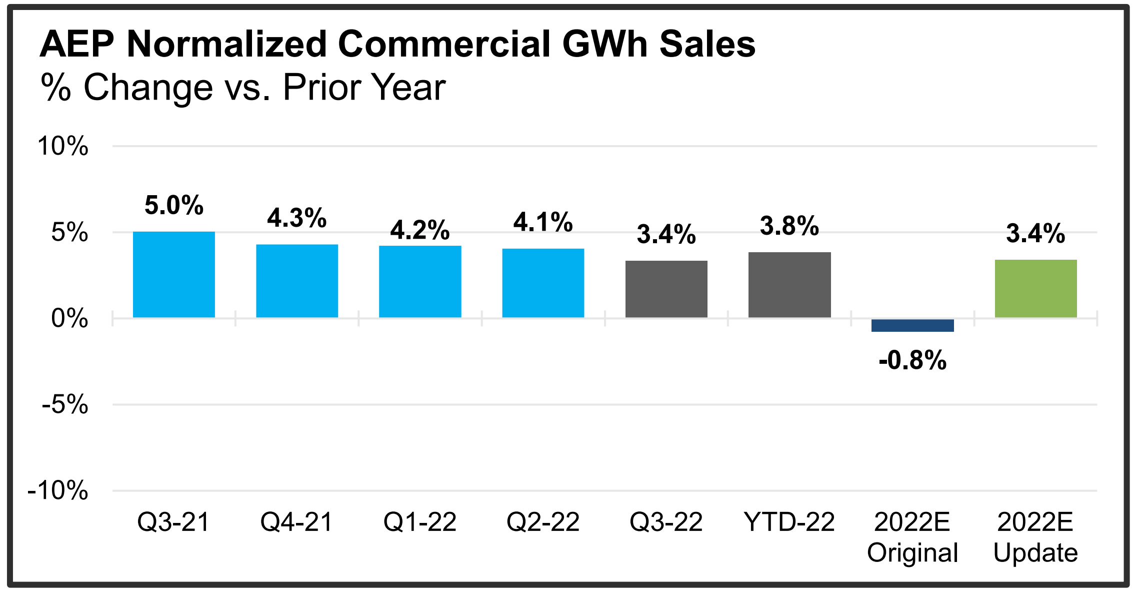
Refer to Appendix for additional explanation of variances by segment.

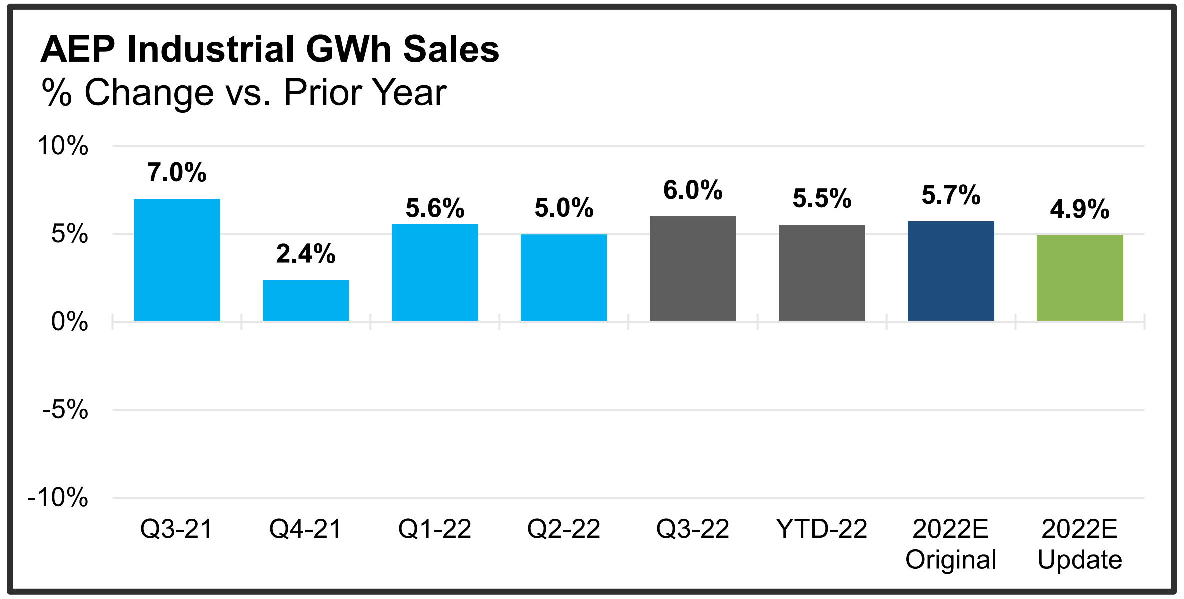
Quarterly Retail Load Performance

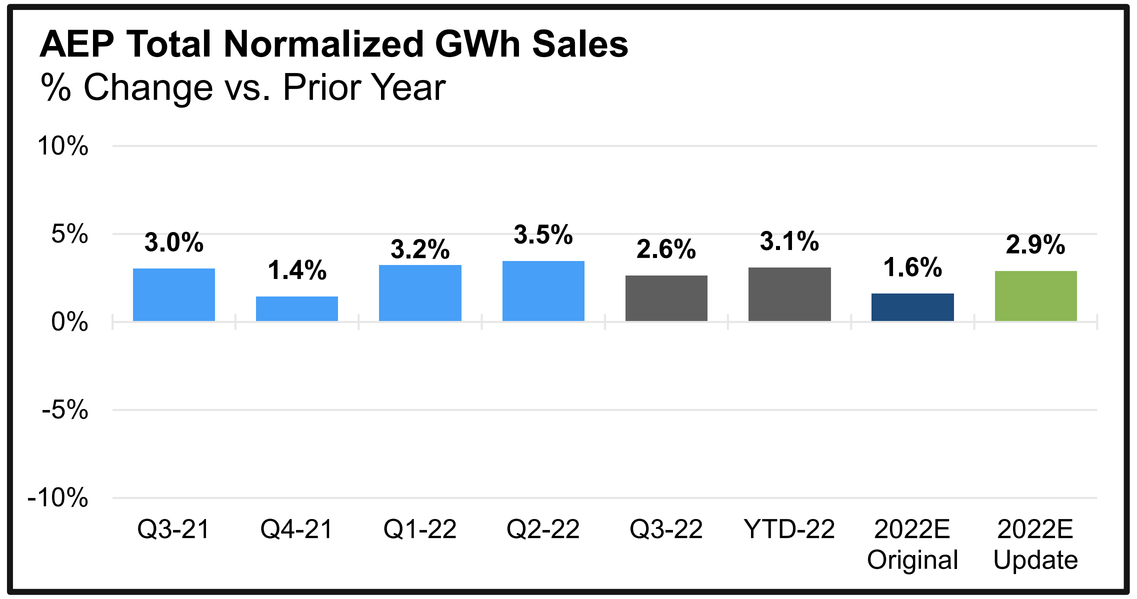
Weather Normalized Billed Retail Load Trends

Load in AEP's service territory continues to maintain significant momentum







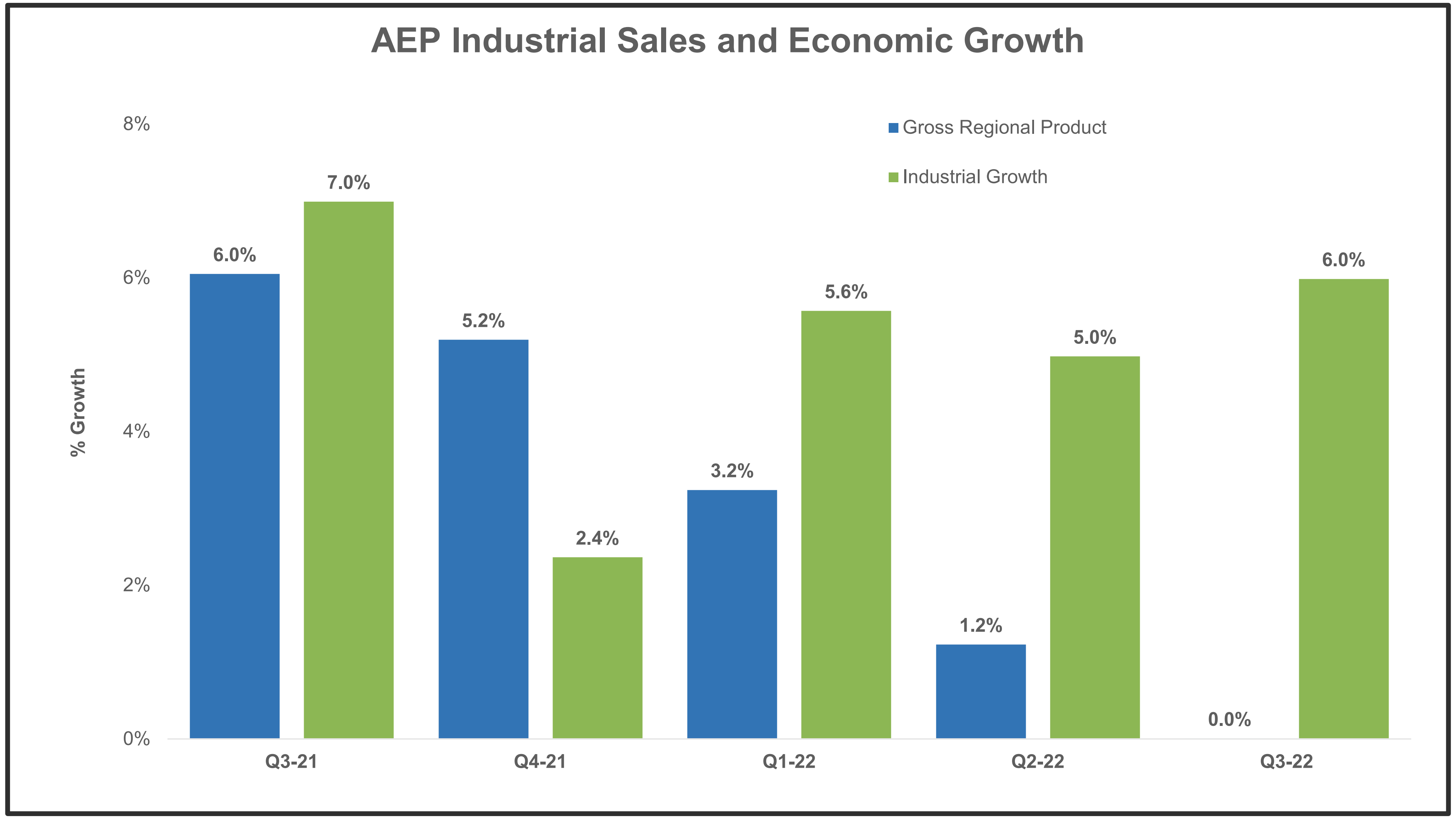


Load figures are billed retail sales excluding firm wholesale load.

2022 full year estimates exclude Kentucky operations.

Economic Development Supports Load Growth

AEP's commitment to economic development is helping to sustain load growth, even in the face of challenging economic conditions



Capitalization and Liquidity

Maintaining strong balance sheet with a target FFO/Debt of 14%-15%; strong liquidity and pension funding status

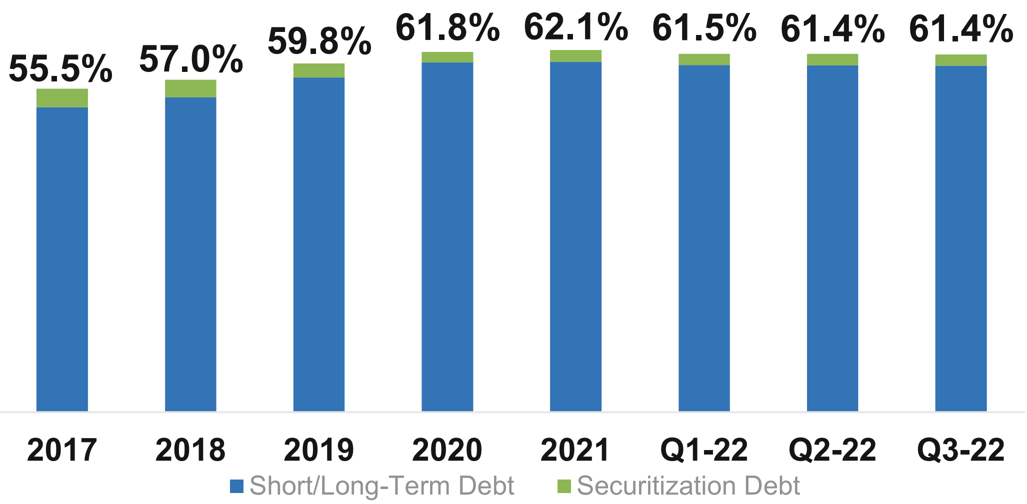
Credit Statistics[1]

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

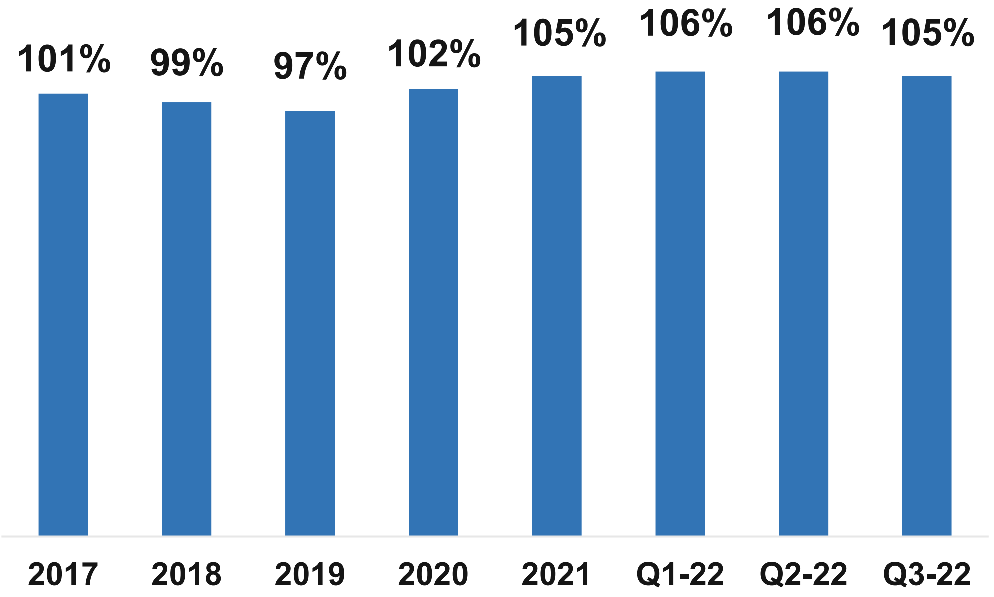
Liquidity Summary

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

Total Debt/Total Capitalization



Qualified Pension Funding



[1] Represents the trailing 12 months as of 9/30/2022. See Appendix for reconciliation to GAAP.

Summary: Stakeholder Commitments

6%-7% Annual Operating Earnings Growth

Dividend Growth In-line with Earnings Growth and Targeted Payout Ratio of 60%-70%

Strong Balance Sheet with a Target FFO/Debt of 14%-15%

New ESG Goal of Net Zero by 2045

Customer Care: Commitment to Identification and Realization of Efficiencies to Keep Customer Rates Affordable

Active Management of the AEP Portfolio with the Primary Objective to De-risk and Simplify Our Business

See you at EEI in a couple weeks!

Appendix

Q3 2022 Performance

3rd Quarter 2022 Earnings Presentation

3rd Quarter Reconciliation of GAAP to Operating Earnings

Weighted average number of shares outstanding: 501.2M Q3-21 and 513.7M Q3-22

[1] Item recorded mainly in the Generation & Marketing segment.

[2] Item recorded in the Generation & Marketing segment and represents the impact of the impairment related to the investment in Flat Ridge 2 Wind Farm.

[3] Item recorded in the Vertically Integrated Utilities segment and represents the impact of 2017-2019 APCo Virginia (VA) Triennial review remand proceedings.

[4] Items recorded in the Corporate and Other segment.

[5] Item recorded in the Corporate and Other segment represents third-party transaction costs incurred due to the strategic evaluation of the Unregulated Contracted Renewable Assets Sale.

[6] Item recorded in the Corporate and Other segment represents third-party transaction costs incurred due to the strategic evaluation of AEP's Kentucky operations as well as a provision for loss on the sale.

	$ in millions			Earnings Per Share		
	Q3-21	Q3-22	Change	Q3-21	Q3-22	Change
Reported GAAP Earnings	$ 796	$ 684	$ (112)	$ 1.59	$ 1.33	$ (0.26)
Non Operating Items:						
Mark-to-Market Impact of Commodity Hedging Activities[1]	(79)	(31)	48	(0.16)	(0.06)	0.10
Write-off of Flat Ridge 2[2]	-	2	2	-	-	-
Write-off of Certain VA Assets[3]	-	24	24	-	0.05	0.05
Mark-to-Market Impact of Certain Investments[4]	-	(2)	(2)	-	-	-
Unregulated Renewables Sale Costs[5]	-	4	4	-	0.01	0.01
Kentucky Sale Costs[6]	-	150	150	-	0.29	0.29
AEP Operating Earnings	$ 717	$ 831	$ 114	$ 1.43	$ 1.62	$ 0.19

YTD Reconciliation of GAAP to Operating Earnings

Weighted average number of shares outstanding: 499.4M YTD-21 and 511.2M YTD-22

	$ in millions			Earnings Per Share		
	YTD-21	YTD-22	Change	YTD-21	YTD-22	Change
Reported GAAP Earnings	$ 1,949	$ 1,923	$ (26)	$ 3.90	$ 3.76	$ (0.14)
Non Operating Items:						
Mark-to-Market Impact of Commodity Hedging Activities[1]	(91)	(167)	(76)	(0.18)	(0.33)	(0.15)
Write-off of Flat Ridge 2[2]	-	149	149	-	0.29	0.29
Gain on Sale of Mineral Rights[3]	-	(92)	(92)		(0.18)	(0.18)
Write-off of Certain VA Assets[4]	-	24	24	-	0.05	0.05
Accumulated Deferred Income Tax Adjustments[5]	-	(2)	(2)	-	-	-
Unregulated Renewables Sale Costs[6]	-	4	4	-	0.01	0.01
Kentucky Sale Costs[7]	-	226	226	-	0.44	0.44
State Tax Law Changes[8]	18	-	(18)	0.04	-	(0.04)
AEP Operating Earnings	$ 1,876	$ 2,065	$ 189	$ 3.76	$ 4.04	$ 0.28

[1] Item recorded mainly in the Generation & Marketing segment.

[2] Item recorded in the Generation & Marketing segment and represents the impact of the impairment related to the investment in Flat Ridge 2 Wind Farm.

[3] Item recorded in the Generation & Marketing segment and represent the gain on sale of oil and gas rights associated with an underground geologic formation in Ohio.

[4] Item recorded in the Vertically Integrated Utilities segment and represents the impact of 2017-2019 APCo Virginia (VA) Triennial review remand proceedings.

[5] Item recorded in the Corporate and Other segment.

[6] Item recorded in the Corporate and Other segment represents third-party transaction costs incurred due to the strategic evaluation of the Unregulated Contracted Renewable Assets Sale.

[7] Item recorded in the Corporate and Other segment represents third-party transaction costs incurred due to the strategic evaluation of AEP's Kentucky operations as well as a provision for loss on the sale.

[8] Item recorded across multiple segments

Vertically Integrated Utilities 3rd Quarter Summary

Key Drivers: Q3-22 vs. Q3-21

- Rate Changes: $87M favorable vs. prior year primarily from rate increases at APCo, I&M, PSO and SWEPCO
- APCo Triennial Review: $37M favorable vs. prior year due to establishment of a regulatory asset for the 2017-2019 under earnings
- Weather: $10M favorable vs. prior year; $39M favorable vs. normal
- Normal Load: $10M unfavorable vs. prior year primarily due to lower residential sales, partially offset by higher commercial sales
- Off-System Sales: $8M favorable vs. prior year primarily due to strong performance in merchant share of Turk
- Transmission Revenue: $22M favorable vs. prior year primarily due to increased transmission investment at APCo, I&M and SWEPCO
- O&M: $5M unfavorable (net of offsets) vs. prior year primarily due higher transmission expense, plant expense and storm cost, partially offset by the accounting reclassification of Rockport Unit 2 lease and lower distribution expense
- Depreciation: $72M unfavorable (net of offsets) vs. prior year primarily due to the accounting reclassification of the Rockport Unit 2 lease and higher depreciable property balance
- Income Taxes: actual rate of (7.6)% Q3-22 vs. (1.1)% Q3-21

$ in millions (except EPS)	Q3-21	Q3-22
Operating Revenues	$ 2,759	$ 3,224
Operating Expenses:		
Energy Costs	(855)	(1,192)
Operations and Maintenance	(797)	(828)
2017-2019 Virginia Triennial Review	-	37
Depreciation and Amortization	(436)	(520)
Taxes Other Than Income Taxes	(124)	(130)
Operating Income	547	591
Net Interest/AFUDC	(130)	(153)
Non-Service Benefit Cost Components	17	27
Income Taxes	4	35
Operating Earnings	438	500
Proforma Adjustments, Net of Tax	-	(23)
GAAP Earnings	$ 438	$ 477
EPS from Operating Earnings	$ 0.87	$ 0.97

See slide 16 for items excluded from Net Income to reconcile to Operating Earnings.

Vertically Integrated Utilities YTD Summary

Key Drivers: YTD-22 vs. YTD-21

- Rate Changes: $199M favorable vs. prior year primarily from rate increases at APCo, I&M, PSO and SWEPCO
- APCo Triennial Review: $37M favorable vs. prior year due to establishment of a regulatory asset for the 2017-2019 under earnings
- Weather: $40M favorable vs. prior year; $72M favorable vs. normal
- Normal Load: $35M favorable vs. prior year primarily due to higher commercial and residential sales
- Off-System Sales: $19M unfavorable vs. prior year primarily due the impacts of Storm Uri in February 2021
- Transmission Revenue: $68M favorable vs. prior year primarily due to increased transmission investment at APCo, I&M and SWEPCO
- O&M: $15M favorable (net of offsets) vs. prior year primarily due to the accounting reclassification of the Rockport Unit 2 lease and lower distribution expense, partially offset by higher plant expense, storm costs and employee related expense
- Depreciation: $213M unfavorable (net of offsets) vs. prior year primarily due to the accounting reclassification of the Rockport Unit 2 lease and higher depreciable property balance
- Income Taxes: actual rate of (3.3)% YTD-22 vs. 0.5% YTD-21

$ in millions (except EPS)	YTD-21	YTD-22
Operating Revenues	$ 7,557	$ 8,560
Operating Expenses:		
Energy Costs	(2,365)	(2,896)
Operations and Maintenance	(2,241)	(2,376)
2017-2019 Virginia Triennial Review	-	37
Depreciation and Amortization	(1,302)	(1,525)
Taxes Other Than Income Taxes	(375)	(384)
Operating Income	1,274	1,416
Net Interest/AFUDC	(385)	(432)
Non-Service Benefit Cost Components	51	82
Income Taxes	(5)	35
Other	-	(2)
Operating Earnings	935	1,099
Proforma Adjustments, Net of Tax	1	(23)
GAAP Earnings	$ 936	$ 1,076
EPS from Operating Earnings	$ 1.87	$ 2.15

See slide 17 for items excluded from Net Income to reconcile to Operating Earnings

Transmission and Distribution Utilities 3rd Quarter Summary

Key Drivers: Q3-22 vs. Q3-21

- Rate Changes: $39M favorable vs. prior year primarily from the Texas DCRF, Ohio DIR and gridSMART
- Weather: $12M favorable vs. prior year; $9M favorable vs. normal
- Transmission Revenue: $20M favorable vs. prior year primarily due to increased transmission investment
- O&M: $28M unfavorable (net of offsets) vs. prior year primarily due to higher distribution and transmission expenses
- Depreciation: $18M unfavorable (net of offsets) vs. prior year primarily due to higher depreciable property balance
- Income Taxes: actual rate of 17.0% Q3-22 vs. 13.1% Q3-21

$ in millions (except EPS)	Q3-21	Q3-22
Operating Revenues	$ 1,200	$ 1,530
Operating Expenses:		
Energy Costs	(188)	(400)
Operations and Maintenance	(443)	(503)
Depreciation and Amortization	(164)	(188)
Taxes Other Than Income Taxes	(167)	(177)
Operating Income	238	262
Net Interest/AFUDC	(66)	(74)
Non-Service Benefit Cost Components	7	12
Income Taxes	(23)	(34)
Operating Earnings	156	166
Proforma Adjustments, Net of Tax	-	-
GAAP Earnings	$ 156	$ 166
EPS from Operating Earnings	$ 0.31	$ 0.32

Transmission and Distribution Utilities YTD Summary

Key Drivers: YTD-22 vs. YTD-21

- Rate Changes: $102M favorable vs. prior year primarily from the Texas DCRF, Ohio DIR and gridSMART
- Weather: $23M favorable vs. prior year; $26M favorable vs. normal
- Normal Load: $27M favorable vs. prior year primarily due to higher commercial and residential sales
- Transmission Revenue: $62M favorable vs. prior year primarily due to increased transmission investment
- O&M: $73 unfavorable (net of offsets) vs. prior year primarily due to higher distribution, transmission and employee-related expenses
- Depreciation: $44M unfavorable (net of offsets) vs. prior year primarily due to higher depreciable property balance
- Other Taxes: $21M unfavorable vs. prior year primarily due to higher property taxes
- Income Taxes: actual rate of 16.4% YTD-22 vs. 12.0% YTD-21

$ in millions (except EPS)	YTD-21	YTD-22
Operating Revenues	$ 3,392	$ 4,079
Operating Expenses:		
Energy Costs	(562)	(885)
Operations and Maintenance	(1,169)	(1,373)
Depreciation and Amortization	(516)	(560)
Taxes Other Than Income Taxes	(483)	(505)
Operating Income	662	756
Net Interest/AFUDC	(202)	(214)
Non-Service Benefit Cost Components	22	36
Income Taxes	(58)	(95)
Operating Earnings	424	483
Proforma Adjustments, Net of Tax	-	-
GAAP Earnings	$ 424	$ 483
EPS from Operating Earnings	$ 0.85	$ 0.95

AEP Transmission Holdco
3rd Quarter Summary

Key Drivers: Q3-22 vs. Q3-21

- $13M favorable Operating Income vs. prior year primarily due to increased transmission investments
- Income Taxes: actual rate of 23.4% Q3-22 vs. 20.1% Q3-21

$ in millions (except EPS)	Q3-21	Q3-22
Operating Revenues	$ 392	$ 431
Operating Expenses:		
Operations and Maintenance	(40)	(47)
Depreciation and Amortization	(78)	(90)
Taxes Other Than Income Taxes	(63)	(70)
Operating Income	211	224
Net Interest/AFUDC	(21)	(23)
Income Taxes	(42)	(52)
Equity Earnings	20	21
Other	(1)	1
Operating Earnings	167	171
Proforma Adjustments, Net of Tax	-	-
GAAP Earnings	$ 167	$ 171
EPS from Operating Earnings	$ 0.33	$ 0.33

AMERICAN ELECTRIC POWER

AEP Transmission Holdco YTD Summary

Key Drivers: YTD-22 vs. YTD-21

- $5M unfavorable Operating Income vs. prior year primarily due to the annual true-up, partially offset by increased transmission investments
- Income Taxes: actual rate of 22.6% YTD-22 vs. 20.5% YTD-21

$ in millions (except EPS)	**YTD-21**	**YTD-22**
Operating Revenues	$ 1,147	$ 1,221
Operating Expenses:		
Operations and Maintenance	(97)	(114)
Depreciation and Amortization	(226)	(263)
Taxes Other Than Income Taxes	(183)	(208)
Operating Income	641	636
Net Interest/AFUDC	(58)	(72)
Non-Service Benefit Cost Components	1	4
Income Taxes	(131)	(142)
Equity Earnings	58	62
Other	(3)	(3)
Operating Earnings	508	485
Proforma Adjustments, Net of Tax	-	-
GAAP Earnings	$ 508	$ 485
EPS from Operating Earnings	$ 1.02	$ 0.95

Generation & Marketing 3rd Quarter Summary

Key Drivers: Q3-22 vs. Q3-21

- Renewables increased primarily due to higher wind production
- Generation decreased 125 GWh or 12% Q3-22 vs. Q3-21 primarily due to more outages this year reducing availability at the Cardinal Plant
- AEP Dayton ATC liquidations up 114%: $88.02/MWh in Q3-22 vs. $41.22/MWh in Q3-21
- Wholesale increased primarily due to favorable mark-to-market trading activities
- Income Taxes: actual rate of (21.6)% Q3-22 vs. (149.4)% Q3-21

$ in millions (except EPS)	Q3-21	Q3-22
Operating Revenues	$ 521	$ 698
Operating Expenses:		
Energy Costs	(445)	(566)
Operations and Maintenance	(38)	(45)
Depreciation and Amortization	(21)	(23)
Taxes Other Than Income Taxes	(3)	(3)
Operating Income	14	61
Net Interest	(3)	(4)
Non-Service Benefit Cost Components	4	5
Income Taxes	13	12
Other	(7)	(4)
Operating Earnings	21	70
Proforma Adjustments, Net of Tax	79	28
GAAP Earnings	$ 100	$ 98
EPS from Operating Earnings	$ 0.04	$ 0.14

See slide 16 for items excluded from Net Income to reconcile to Operating Earnings

Generation & Marketing YTD Summary

Key Drivers: YTD-22 vs. YTD-21

- Renewables increased primarily due to sale of renewable development sites
- Generation decreased 195 GWh or 7% YTD-22 vs. YTD-21 primarily due to more outages this year reducing availability at the Cardinal Plant
- AEP Dayton ATC liquidations up 110%: $71.10/MWh in YTD-22 vs. $33.83/MWh in YTD-21
- Wholesale increased primarily due to favorable mark-to-market trading activities
- Income Taxes: actual rate of (44.6)% YTD-22 vs. (126.5)% YTD-21

$ in millions (except EPS)	YTD-21	YTD-22
Operating Revenues	$ 1,577	$ 1,805
Operating Expenses:		
Energy Costs	(1,369)	(1,534)
Operations and Maintenance	(99)	(71)
Depreciation and Amortization	(60)	(69)
Taxes Other Than Income Taxes	(8)	(9)
Operating Income	41	122
Net Interest	(9)	(9)
Non-Service Benefit Cost Components	12	15
Income Taxes	55	54
Other	-	(6)
Operating Earnings	99	176
Proforma Adjustments, Net of Tax	91	109
GAAP Earnings	$ 190	$ 285
EPS from Operating Earnings	$ 0.20	$ 0.34

See slide 17 for items excluded from Net Income to reconcile to Operating Earnings

AMERICAN ELECTRIC POWER

Vertically Integrated Utilities 3rd Quarter Performance

RATE PERFORMANCE

	Rate Changes, net of offsets ($ in millions) Q3-22 vs. Q3-21
APCo/WPCo	$14
I&M	$11
KPCo	$1
PSO	$31
SWEPCO	$29
Kingsport	$1
Total	$87
Impact on EPS	$0.14

WEATHER IMPACT

	Weather Impact ($ in millions)	
	Q3-22 vs. Q3-21	Q3-22 vs. Normal
APCo/WPCo	$(5)	$4
I&M	$(8)	$2
KPCo	-	-
PSO	$11	$17
SWEPCO	$12	$16
Kingsport	-	-
Total	$10	$39
Impact on EPS	$0.02	$0.06

RETAIL LOAD PERFORMANCE

	Retail Load[1] (weather normalized) Q3-22 vs. Q3-21
APCo/WPCo	(0.3)%
I&M	1.0%
KPCo	4.0%
PSO	1.2%
SWEPCO	3.9%
Kingsport	10.0%
Total	1.5%
Impact on EPS[2]	$0.02

[1] Includes load on a billed basis only, excludes firm wholesale load and accrued sales.
[2] Includes EPS impact of accrued revenues.

Vertically Integrated Utilities YTD Performance

RATE PERFORMANCE

	Rate Changes, net of offsets ($ in millions) YTD-22 vs. YTD-21
APCo/WPCo	$42
I&M	$34
KPCo	$3
PSO	$55
SWEPCO	$64
Kingsport	$1
Total	$199
Impact on EPS	$0.31

WEATHER IMPACT

	Weather Impact ($ in millions)	
	YTD-22 vs. YTD-21	YTD-22 vs. Normal
APCo/WPCo	$(6)	$3
I&M	$(2)	$11
KPCo	-	$1
PSO	$21	$24
SWEPCO	$27	$33
Kingsport	-	-
Total	$40	$72
Impact on EPS	$0.06	$0.11

RETAIL LOAD PERFORMANCE

	Retail Load[1] (weather normalized) YTD-22 vs. YTD-21
APCo/WPCo	0.2%
I&M	0.8%
KPCo	3.6%
PSO	1.9%
SWEPCO	3.0%
Kingsport	14.3%
Total	1.6%
Impact on EPS[2]	$0.06

[1] Includes load on a billed basis only, excludes firm wholesale load and accrued sales.
[2] Includes EPS impact of accrued revenues.

Transmission and Distribution Utilities 3rd Quarter Performance

RATE PERFORMANCE

	Rate Changes, net of offsets ($ in millions) Q3-22 vs. Q3-21
AEP Ohio	$29
AEP Texas	$10
Total	$39
Impact on EPS	$0.06

WEATHER IMPACT

	Weather Impact ($ in millions)	
	Q3-22 vs. Q3-21	Q3-22 vs. Normal
AEP Ohio	$5	$5
AEP Texas	$7	$4
Total	$12	$9
Impact on EPS	$0.02	$0.01

RETAIL LOAD PERFORMANCE

	Retail Load[1] (weather normalized) Q3-22 vs. Q3-21
AEP Ohio	0.5%
AEP Texas	8.1%
Total	3.9%
Impact on EPS[2]	-

[1] Includes load on a billed basis only, excludes firm wholesale load and accrued sales.
[2] Includes EPS impact of accrued revenues.

Transmission and Distribution Utilities YTD Performance

RATE PERFORMANCE

	Rate Changes, net of offsets ($ in millions) YTD-22 vs. YTD-21
AEP Ohio	$73
AEP Texas	$29
Total	$102
Impact on EPS	$0.16

WEATHER IMPACT

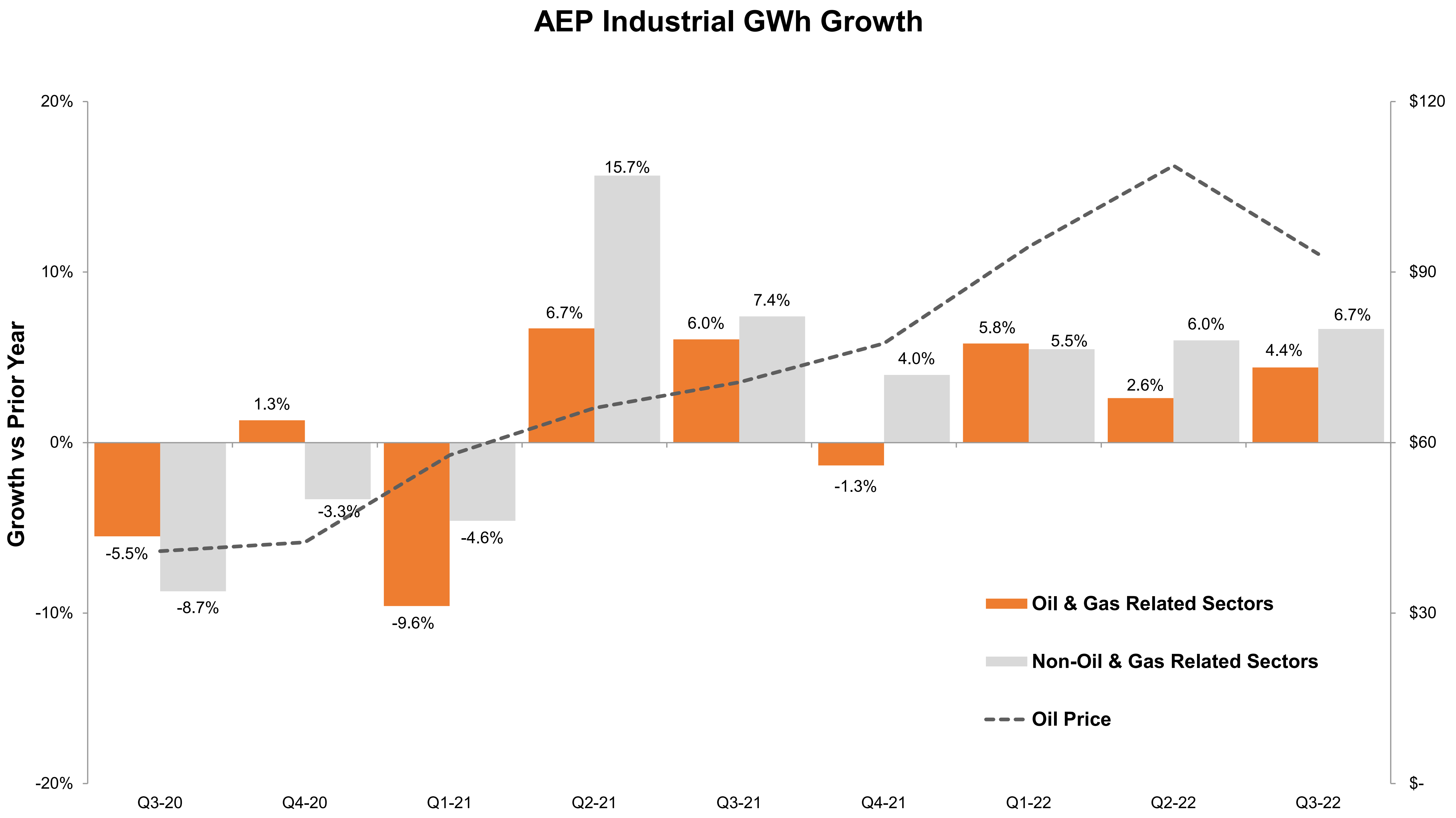
	Weather Impact ($ in millions)	
	YTD-22 vs. YTD-21	YTD-22 vs. Normal
AEP Ohio	$8	$8
AEP Texas	$15	$18
Total	$23	$26
Impact on EPS	$0.04	$0.04

RETAIL LOAD PERFORMANCE

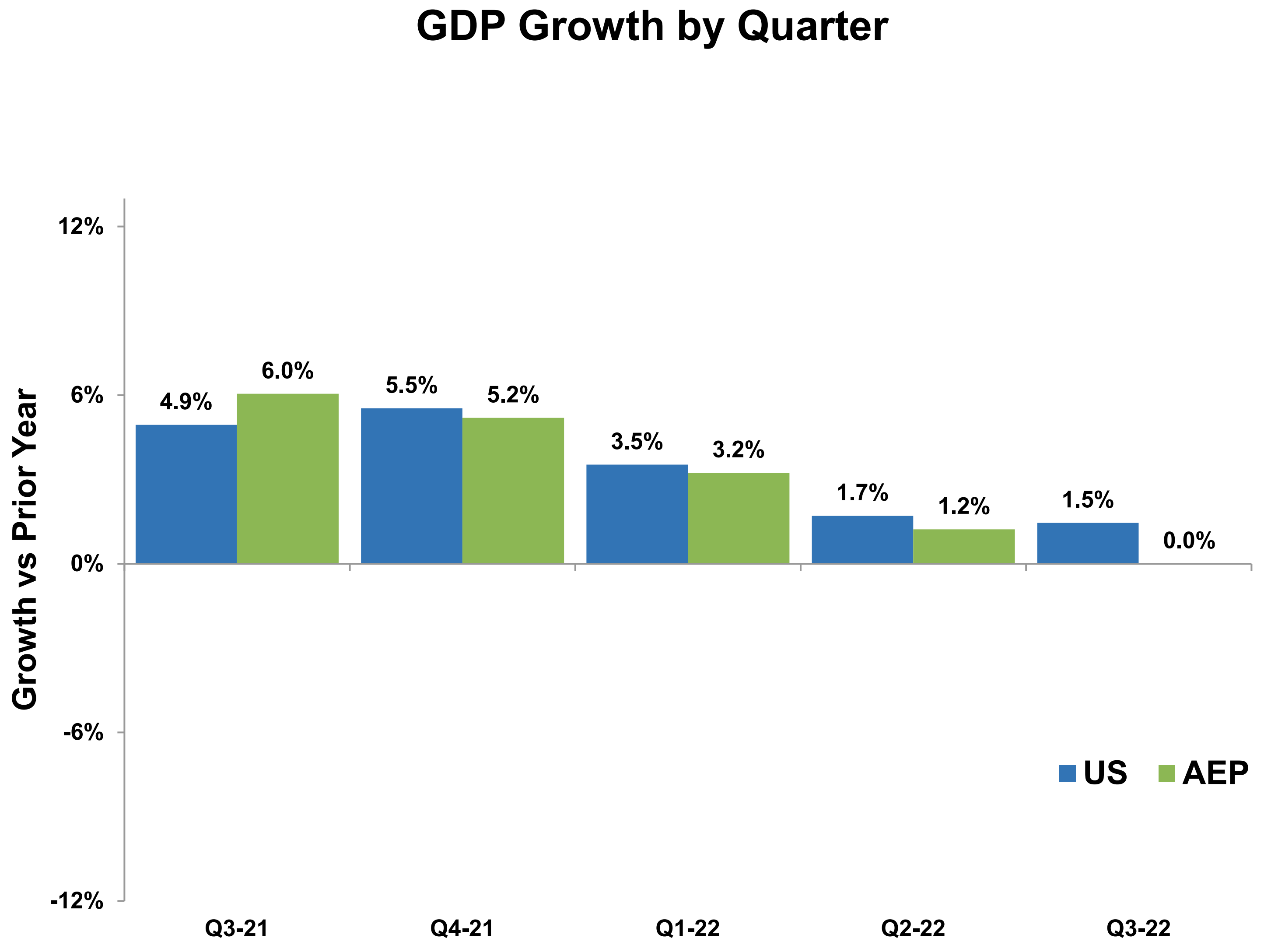
	Retail Load[1] (weather normalized) YTD-22 vs. YTD-21
AEP Ohio	1.9%
AEP Texas	8.9%
Total	4.9%
Impact on EPS[2]	$0.04

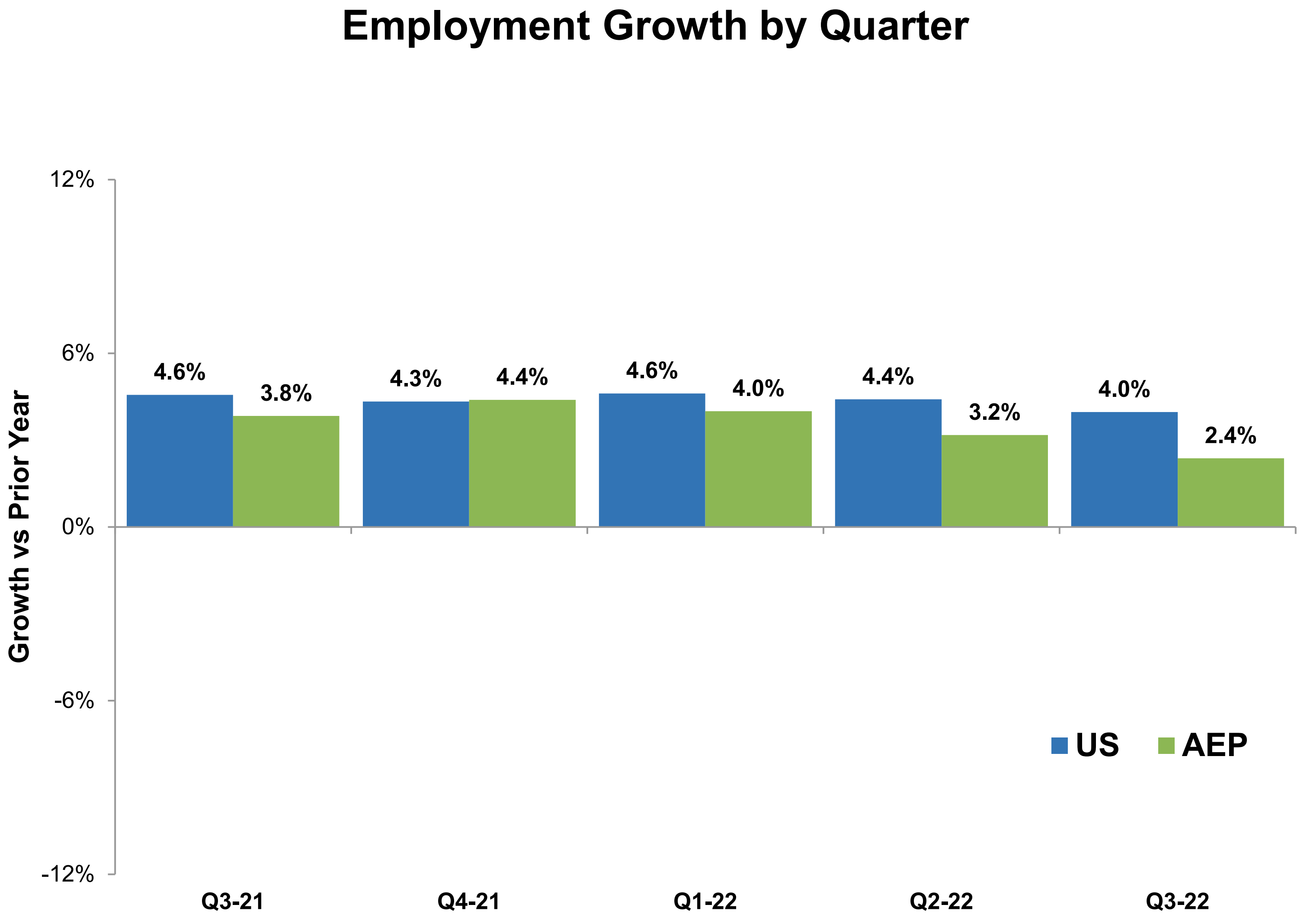
[1] Includes load on a billed basis only, excludes firm wholesale load and accrued sales.
[2] Includes EPS impact of accrued revenues.

Industrial Sale Growth



Economic Data – AEP Service Territory





Source: Moody's Analytics

GAAP to Non-GAAP Reconciliations and Ratios

Adjusted FFO Calculation

	12 Months Ended 9/30/2022 (in millions)
Cash Flow from Operations	$ 5,600
Adjustments:	
Changes in Working Capital	171
Capitalized Interest	(54)
Securitization Amortization	(112)
Adjusted Funds from Operations (FFO)	$ 5,605

Adjusted Total Debt (Non-GAAP) Calculation

	As of 9/30/2022 (in millions)
GAAP Total Debt (incl. current maturities)	$ 38,931
Less:	
Securitization Bonds	(529)
Spent Nuclear Fuel Trust	(282)
Equity Units Capital Adjust (25%)	(213)
Junior Subordinated Debentures (25%)	(188)
Add:	
Finance Lease Obligations	405
Operating Leases	632
Adjusted Total Debt (Non-GAAP)	$ 38,756

FFO to Total Debt Ratio = 14.5%

$5.61B Adjusted FFO / $38.76B Adjusted Total Debt

Appendix

Financial Forecast

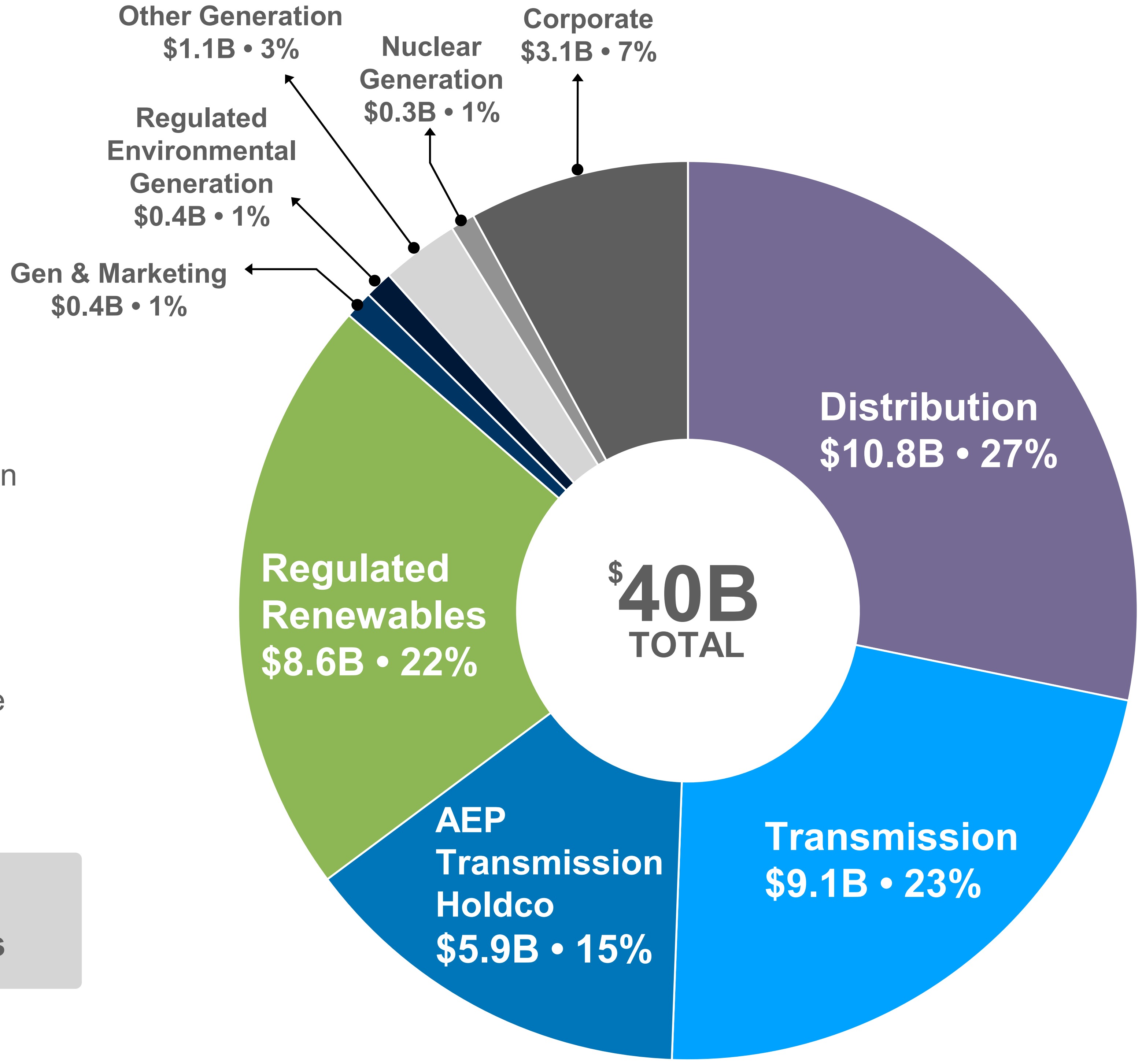
3rd Quarter 2022 Earnings Presentation

2023-2027 Capital Forecast of $40B

The ability to quickly redeploy transmission and distribution investment ensures we maintain capital spend while mitigating customer bill impact

On a system average, we expect rates to go up approximately 4% annually over the forecasted period

Capital forecast emphasizes investment in wires and renewables



99% of capital allocated to regulated businesses

$26B 65% allocated to wires

$9B 22% allocated to regulated renewables

7.6% resulting rate base CAGR

2023-2027 Cash Flows and Financial Metrics

Cash proceeds related to the sale of unregulated contracted renewable assets and other future sales are not included, all of which will be used to responsibly eliminate equity while maintaining a strong balance sheet

$ in millions	2022E	2023E	2024E	2025E	2026E	2027E
Cash from Operations	$ 5,400	$ 6,000	$ 6,400	$ 6,900	$ 7,100	$ 7,700
Net Cash Proceeds from Sale of Assets	200	1,200[1]	-	-	-	-
Capital and JV Equity Contributions[2]	(7,800)	(6,800)	(8,900)	(9,700)	(7,300)	(6,900)
Other Investing Activities	100	(300)	(300)	(300)	(300)	(300)
Common Dividends[3]	(1,600)	(1,600)	(1,700)	(1,700)	(1,700)	(1,700)
Required Capital	**$ (3,700)**	**$ (1,500)**	**$ (4,500)**	**$ (4,800)**	**$ (2,200)**	**$ (1,200)**
Financing						
Required Capital	$ (3,700)	$ (1,500)	$ (4,500)	$ (4,800)	$ (2,200)	$ (1,200)
Long-term Debt Maturities	(2,800)	(2,500)	(1,500)	(2,200)	(1,500)	(900)
Securitization Amortizations	(100)	(200)	(200)	(100)	(100)	(100)
Equity Units Conversion	805	850	-	-	-	-
Equity Issuances – Includes DRP	-	100	600	700	700	700
Debt Capital Market Needs (New)	**$ (5,795)**	**$ (3,250)**	**$ (5,600)**	**$ (6,400)**	**$ (3,100)**	**$ (1,500)**
Financial Metrics						
Debt to Capitalization (GAAP)	Approximately 60%					
FFO/Total Debt (Moody's)	14%-15% Target Range					

[1] Cash proceeds to Parent of $1.2B in 2023 all relates to sale of Kentucky operations. Proceeds are net of Kentucky indebtedness, tax and transaction costs and adjusted for residual pay-down of Parent debt.

[2] Capital investments in 2022 include approximately $1.3B for North Central Wind – Traverse project.

[3] Dividends per share remain constant until approved by Board of Directors. Dividends evaluated by Board of Directors each quarter, stated target payout ratio range is 60%-70% of operating earnings. Targeted dividend growth in-line with earnings.

Actual cash flows will vary by company and jurisdiction based on regulatory outcomes.

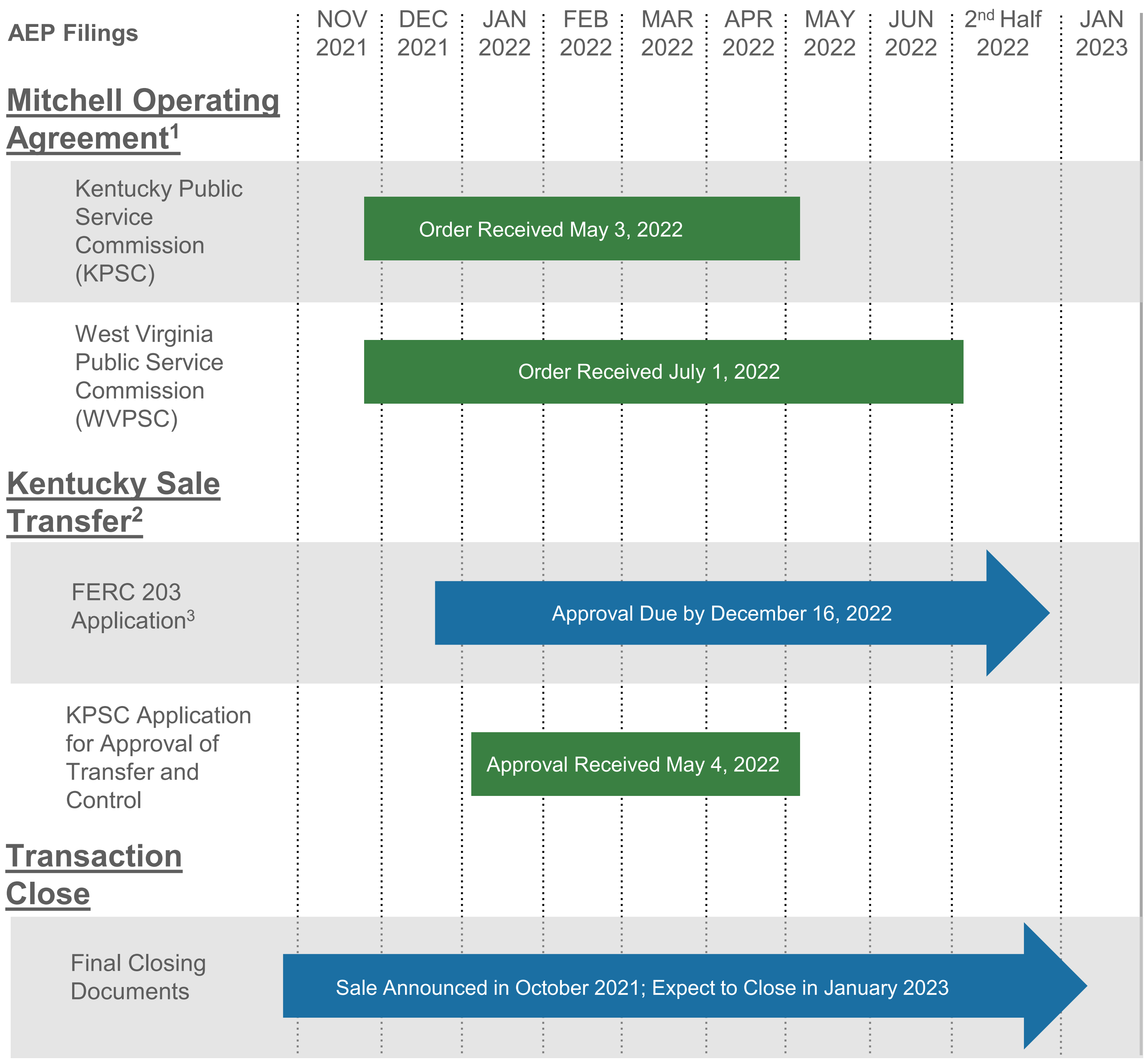
Appendix

Active Management and Capital Recycling

3rd Quarter 2022 Earnings Presentation

Regulatory Timeline of Kentucky Sale

In October 2021, AEP entered into an agreement to sell its Kentucky operations to Liberty (Algonquin Power & Utilities); FERC 203 approval is due by 12/16/2022 under federal rules and the sale is expected to close in January 2023 following FERC 203 approval



[1] On 7/11/2022, AEP made a compliance filing as required by WVPSC stating its plan to move forward under the existing Mitchell Operating Agreement to implement the near-term operational changes directed by WVPSC and KPSC. AEP also filed an update with KPSC sharing the same information. On 9/1/2022, AEP filed updates with the commissions providing resolutions adopted by the Mitchell Operating Committee consistent with the 7/11/2022 compliance filing.

[2] Committee on Foreign Investment in the United States and Hart-Scott-Rodino review; clearance from both was obtained in January 2022.

[3] On 6/17/2022, FERC issued a brief order exercising its ability to take up to 180 additional days to act on the 203 application in order to afford time for consideration.

Mitchell Operating Agreement Update:

- Filings made July 11, 2022 with Commissions
- Move forward under existing Mitchell Operating Agreement

Kentucky Sale Transfer Update:

- FERC 203 approval is in process and due by December 16, 2022

Transaction Close Update:

- Agreement to close in January 2023 following FERC 203 approval, allowing stakeholders to properly plan for the transition

Sale Update of Unregulated Contracted Renewable Assets

PROCESS

In February 2022, AEP announced the sale of its unregulated contracted renewable asset portfolio

AEP's net investment (equity position) in this portfolio is $1.5B as of 9/30/2022; assets contribute $0.13-$0.17 EPS in 2022 operating earnings guidance

Sale process launched in late August 2022

Strong buyer interest from financial and strategic investors

On track for a Q2-23 close

14 Projects Within the Portfolio

Project Name	Location	Resource	Commercial Operation Date	MW
Santa Rita East	Texas	Wind	July 2019	257
Trent Mesa	Texas	Wind	August 2018[1]	156
Desert Sky	Texas	Wind	July 2018[1]	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
Auwahi	Hawaii	Wind / Battery	December 2012	17
Flat Ridge III	Kansas	Wind	December 2021	128
			Total MW	**1,365**

[1] Commercial operation date represents repower completion date.

AEP ENERGY
An AEP Company

Retail Business
(Begin Strategic Review)[1]

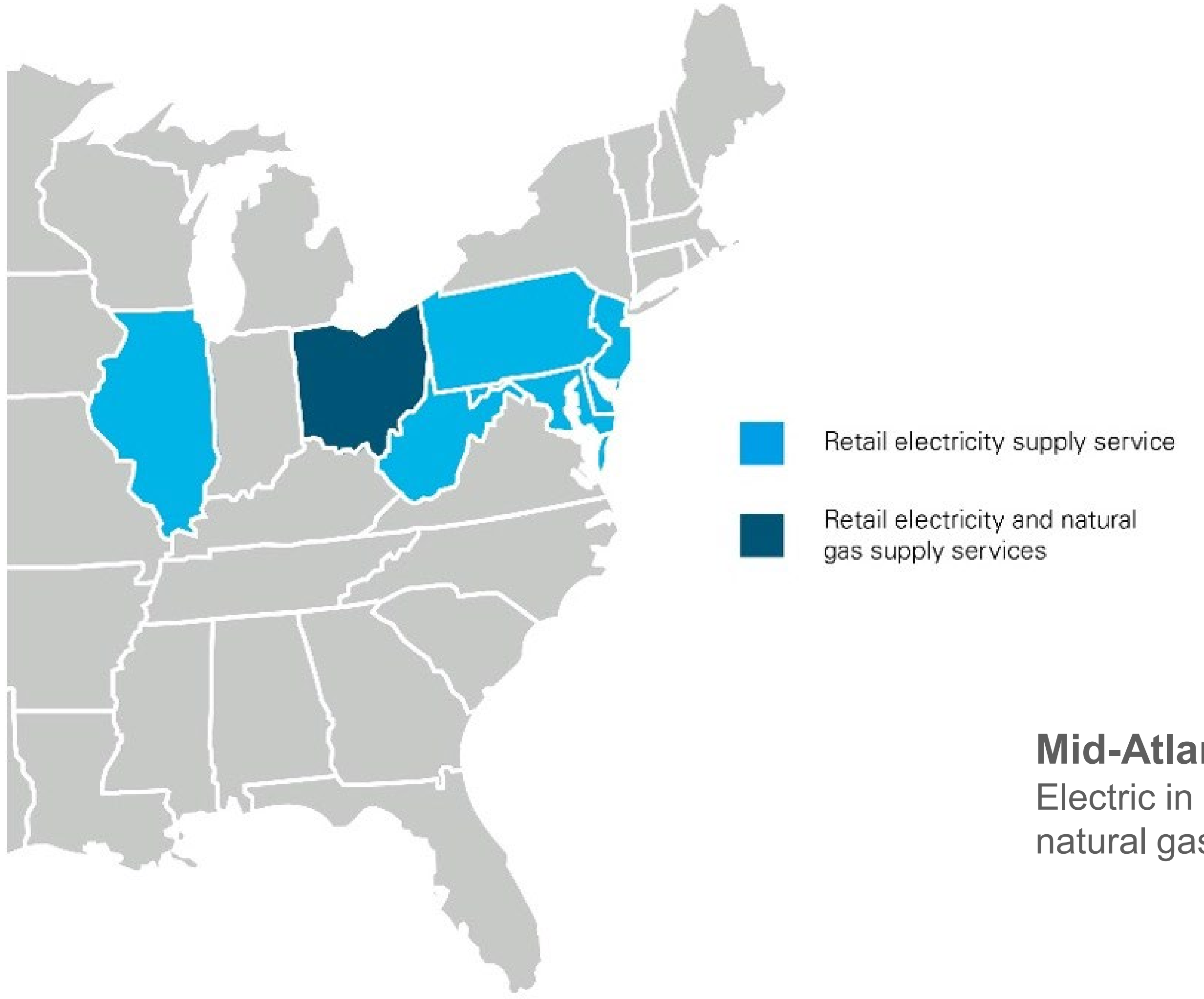
BUSINESS MODEL

Commodity and Services Sales

- Focused where AEP operating companies can't offer solutions
- Base platform is electric and natural gas sales
- Channel for distributed energy resources for resiliency and sustainability into sales offerings
- Integrates universal scale renewable supplies into retail sales
- Consultancy offerings focused on decarbonization and sustainability services and execution

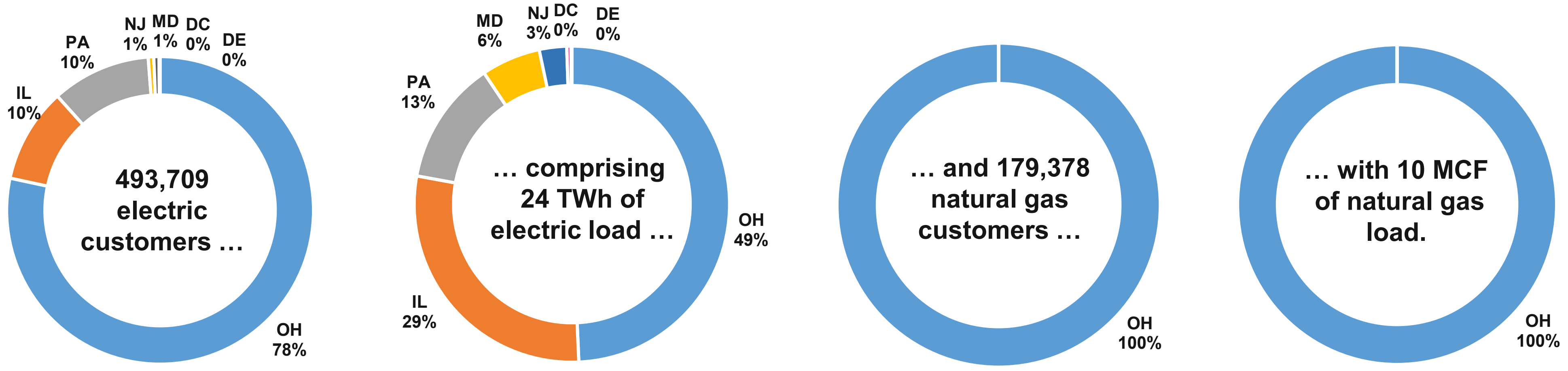
Customer Expert for Platform

- Ranked #4 largest non-residential power retailer in PJM
- Ranked #8 largest residential nationally



Mid-Atlantic Focus
Electric in 7 states/27 utilities and natural gas in 4 utilities in Ohio

Portfolio breakdown



[1] Retail business contributes $0.06 EPS in 2022 operating earnings guidance

Appendix

Regulatory and Climate Goals

3rd Quarter 2022 Earnings Presentation

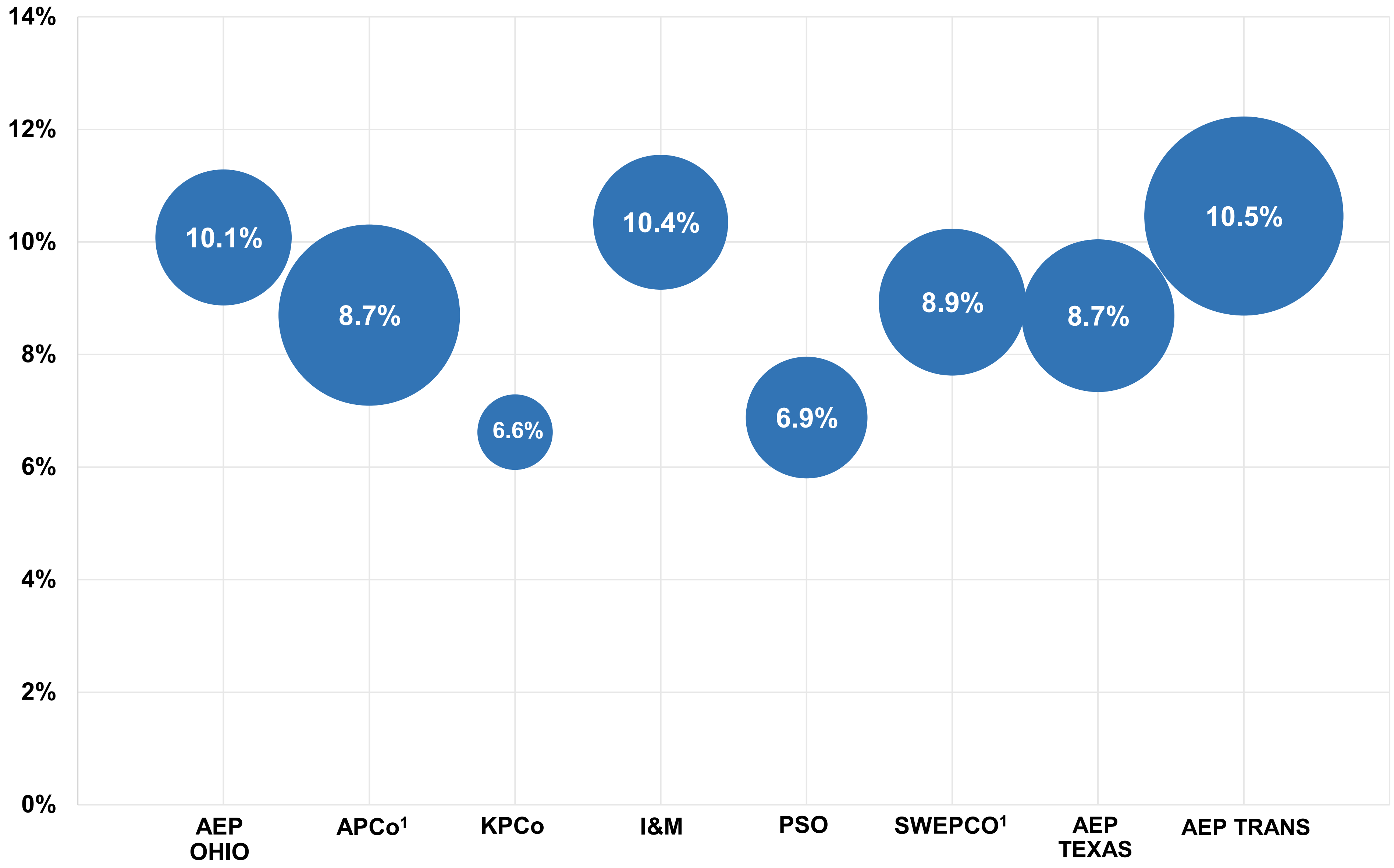
Regulated Returns

9/30/22 Regulated Operations ROE of 9.3%

[1] Base rate cases pending/order recently received.

Sphere size based on each company's relative equity balance.

Twelve Months Ended 9/30/2022 Earned ROE's
(non-GAAP operating earnings, not weather normalized)



Current Rate Case Activity

[1] APCo immediately filed an appeal of the commission order with the Virginia Supreme Court after the November 2020 order.

[2] 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.

[3] This filing provided notice of re-election for rate regulation under a formula rate review mechanism.

[4] Includes proposed pro-forma adjustment to plant-in-service through 12/31/2020.

[5] In January 2022, an unopposed motion was filed to stay the hearing as parties engaged in settlement discussions.

APCo – Virginia

Docket #	PUR-2020-00015
Filing Date	3/31/2020
Requested Rate Base	$2.5B
Requested ROE	9.9%
Cap Structure	50%D / 50%E
Gross Revenue Increase	$65M (Less $27M D&A)
Net Revenue Increase	$38M
Test Year	12/31/2019
Commission Order Summary	
Original Order Received[1]	11/24/2020
Original Effective Date[1]	1/23/2021
Revised Order Received[2]	8/22/2022
Revised Effective Date[2]	10/1/2022
ROE	9.2%
Cap Structure	50%D / 50%E
Revised Net Revenue Increase	$37M

SWEPCO – Arkansas[3]

Docket #	21-070-U
Filing Date	7/23/2021
Requested Rate Base	$1.56B
Requested ROE	10.35%
Cap Structure	48.7%D / 51.3%E
Gross Revenue Increase	$85M (Less $29M D&A)
Net Revenue Increase	$56M
Test Year	4/30/2021
Commission Order Summary	
Order Received	5/23/2022
Effective Date	7/1/2022
ROE	9.5%
Cap Structure	55%D / 45%E
Gross Revenue Increase	$49M (Less $21M D&A)
Net Revenue Increase	$28M

SWEPCO – Louisiana

Docket #	U-35441
Filing Date	12/18/2020
Requested Rate Base	$2.1B
Requested ROE	10.35%
Cap Structure	49.2%D / 50.8%E
Gross Revenue Increase	$114M (Less $41M D&A)
Net Revenue Increase	$73M
Test Year	12/31/2019[4]
Procedural Schedule	
Hearing	Note 5
Expected Commission Order	Q4-22

Taking Bold Steps to Accelerate CO_2 Emission Goals

We are rebasing our near-term CO_2 emission reduction target to 2005, upgrading our 2030 target to include full Scope 1 emissions and accelerating our net-zero goal by 5 years

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_2 Emissions
- + Procure Carbon Offsets to Neutralize Any Remaining CO_2 Emissions from our Generation Fleet

LONG TERM

PRIOR GOAL:
80% REDUCTION IN GEN FLEET CO_2 EMISSIONS BY 2030 OFF A 2000 BASELINE

NEW GOAL:
80% REDUCTION IN FULL SCOPE 1 CO_2 EMISSIONS BY 2030 OFF A NEW 2005 BASELINE AND NET-ZERO BY 2045

PRIOR GOAL:
NET-ZERO BY 2050

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.