

**I&M**

	Pension Plans				OPEB			
	Three Months Ended March 31,				Three Months Ended March 31,			
	2020	2019			2020	2019		
(in millions)								
Service Cost	\$ 3.9	\$ 3.4			0.3	\$ 0.3		
Interest Cost	4.9	6.0			1.2	1.5		
Expected Return on Plan Assets	(8.3)	(9.2)			(2.9)	(2.8)		
Amortization of Prior Service Credit	—	—			(2.4)	(2.4)		
Amortization of Net Actuarial Loss	2.7	1.6			0.2	0.7		
<b>Net Periodic Benefit Cost (Credit)</b>	<b>\$ 3.2</b>	<b>\$ 1.8</b>			<b>\$ (3.6)</b>	<b>\$ (2.7)</b>		

**OPCo**

	Pension Plans				OPEB			
	Three Months Ended March 31,				Three Months Ended March 31,			
	2020	2019			2020	2019		
(in millions)								
Service Cost	\$ 2.4	\$ 2.0			0.2	\$ 0.2		
Interest Cost	3.9	4.7			1.0	1.4		
Expected Return on Plan Assets	(6.6)	(7.3)			(2.6)	(2.7)		
Amortization of Prior Service Credit	—	—			(1.8)	(1.7)		
Amortization of Net Actuarial Loss	2.1	1.3			0.2	0.6		
<b>Net Periodic Benefit Cost (Credit)</b>	<b>\$ 1.8</b>	<b>\$ 0.7</b>			<b>\$ (3.0)</b>	<b>\$ (2.2)</b>		

**PSO**

	Pension Plans				OPEB			
	Three Months Ended March 31,				Three Months Ended March 31,			
	2020	2019			2020	2019		
(in millions)								
Service Cost	\$ 1.8	\$ 1.6			0.2	\$ 0.2		
Interest Cost	2.1	2.6			0.5	0.7		
Expected Return on Plan Assets	(3.6)	(4.1)			(1.3)	(1.3)		
Amortization of Prior Service Credit	—	—			(1.1)	(1.1)		
Amortization of Net Actuarial Loss	1.2	0.8			0.1	0.3		
<b>Net Periodic Benefit Cost (Credit)</b>	<b>\$ 1.5</b>	<b>\$ 0.9</b>			<b>\$ (1.6)</b>	<b>\$ (1.2)</b>		

**SWEPCo**

	Pension Plans				OPEB			
	Three Months Ended March 31,				Three Months Ended March 31,			
	2020	2019			2020	2019		
(in millions)								
Service Cost	\$ 2.5	\$ 2.1			0.2	\$ 0.2		
Interest Cost	2.5	3.1			0.6	0.8		
Expected Return on Plan Assets	(3.9)	(4.4)			(1.5)	(1.5)		
Amortization of Prior Service Credit	—	—			(1.3)	(1.3)		
Amortization of Net Actuarial Loss	1.4	0.9			0.1	0.3		
<b>Net Periodic Benefit Cost (Credit)</b>	<b>\$ 2.5</b>	<b>\$ 1.7</b>			<b>\$ (1.9)</b>	<b>\$ (1.5)</b>		

## **8. BUSINESS SEGMENTS**

The disclosures in this note apply to all Registrants unless indicated otherwise.

### ***AEP's Reportable Segments***

AEP's primary business is the generation, transmission and distribution of electricity. Within its Vertically Integrated Utilities segment, AEP centrally dispatches generation assets and manages its overall utility operations on an integrated basis because of the substantial impact of cost-based rates and regulatory oversight. Intersegment sales and transfers are generally based on underlying contractual arrangements and agreements.

AEP's reportable segments and their related business activities are outlined below:

#### **Vertically Integrated Utilities**

- Generation, transmission and distribution of electricity for sale to retail and wholesale customers through assets owned and operated by AEGCo, APCo, I&M, KGPCo, KPCo, PSO, SWEPCo and WPCo.

#### **Transmission and Distribution Utilities**

- Transmission and distribution of electricity for sale to retail and wholesale customers through assets owned and operated by AEP Texas and OPCo.
- OPCo purchases energy and capacity to serve SSO customers and provides transmission and distribution services for all connected load.

#### **AEP Transmission Holdco**

- Development, construction and operation of transmission facilities through investments in AEPTCo. These investments have FERC-approved ROEs.
- Development, construction and operation of transmission facilities through investments in AEP's transmission-only joint ventures. These investments have PUCT-approved or FERC-approved ROEs.

#### **Generation & Marketing**

- Competitive generation in ERCOT and PJM.
- Contracted renewable energy investments and management services.
- Marketing, risk management and retail activities in ERCOT, PJM, SPP and MISO.

The remainder of AEP's activities is presented as Corporate and Other. While not considered a reportable segment, Corporate and Other primarily includes the purchasing of receivables from certain AEP utility subsidiaries, Parent's guarantee revenue received from affiliates, investment income, interest income, interest expense, income tax expense and other nonallocated costs.

The tables below present AEP's reportable segment income statement information for the three months ended March 31, 2020 and 2019 and reportable segment balance sheet information as of March 31, 2020 and December 31, 2019.

	Three Months Ended March 31, 2020						
	Vertically Integrated Utilities	Transmission and Distribution Utilities	AEP Transmission Holdco	Generation & Marketing	Corporate and Other (a)	Reconciling Adjustments	Consolidated
(in millions)							
Revenues from							
External Customers	\$ 2,193.0	\$ 1,075.2	\$ 73.1	\$ 408.4	\$ (2.2)	\$ —	\$ 3,747.5
Other Operating Segments	33.7	31.7	237.1	30.2	22.1	(354.8)	—
<b>Total Revenues</b>	<b>\$ 2,226.7</b>	<b>\$ 1,106.9</b>	<b>\$ 310.2</b>	<b>\$ 438.6</b>	<b>\$ 19.9</b>	<b>\$ (354.8)</b>	<b>\$ 3,747.5</b>
<b>Net Income (Loss)</b>	<b>\$ 246.3</b>	<b>\$ 116.2</b>	<b>\$ 141.6</b>	<b>\$ 30.5</b>	<b>\$ (35.3)</b>	<b>\$ —</b>	<b>\$ 499.3</b>
	Three Months Ended March 31, 2019						
	Vertically Integrated Utilities	Transmission and Distribution Utilities	AEP Transmission Holdco	Generation & Marketing	Corporate and Other (a)	Reconciling Adjustments	Consolidated
(in millions)							
Revenues from							
External Customers	\$ 2,372.3	\$ 1,179.8	\$ 61.2	\$ 439.7	\$ 3.8	\$ —	\$ 4,056.8
Other Operating Segments	31.0	42.2	195.2	42.1	21.7	(332.2)	—
<b>Total Revenues</b>	<b>\$ 2,403.3</b>	<b>\$ 1,222.0</b>	<b>\$ 256.4</b>	<b>\$ 481.8</b>	<b>\$ 25.5</b>	<b>\$ (332.2)</b>	<b>\$ 4,056.8</b>
<b>Net Income (Loss)</b>	<b>\$ 303.6</b>	<b>\$ 156.5</b>	<b>\$ 125.2</b>	<b>\$ 39.2</b>	<b>\$ (50.4)</b>	<b>\$ —</b>	<b>\$ 574.1</b>

	March 31, 2020						
	Vertically Integrated Utilities	Transmission and Distribution Utilities	AEP Transmission Holdco	Generation & Marketing	Corporate and Other (a)	Reconciling Adjustments	Consolidated
(in millions)							
Total Property, Plant and Equipment	\$ 47,764.3	\$ 20,182.8	\$ 10,662.9	\$ 1,753.2	\$ 408.3	\$ (354.5) (b)	\$ 80,417.0
Accumulated Depreciation and Amortization	14,821.8	3,964.6	464.0	116.9	187.3	(186.5) (b)	19,368.1
<b>Total Property Plant and Equipment - Net</b>	<b>\$ 32,942.5</b>	<b>\$ 16,218.2</b>	<b>\$ 10,198.9</b>	<b>\$ 1,636.3</b>	<b>\$ 221.0</b>	<b>\$ (168.0) (b)</b>	<b>\$ 61,048.9</b>
<b>Total Assets</b>	<b>\$ 41,020.5</b>	<b>\$ 18,892.5</b>	<b>\$ 11,484.8</b>	<b>\$ 3,216.4</b>	<b>\$ 7,033.6 (c)</b>	<b>\$ (3,923.8) (b) (d)</b>	<b>\$ 77,724.0</b>
<b>Long-term Debt Due Within One Year:</b>							
Affiliated	\$ 20.0	\$ —	\$ —	\$ —	\$ —	\$ (20.0)	\$ —
Nonaffiliated	1,316.3	289.0	—	—	504.4 (e)	—	2,109.7
<b>Long-term Debt:</b>							
Affiliated	39.0	—	—	—	—	(39.0)	—
Nonaffiliated	11,641.0	6,585.5	3,600.3	—	3,956.2	—	25,783.0
<b>Total Long-term Debt</b>	<b>\$ 13,016.3</b>	<b>\$ 6,874.5</b>	<b>\$ 3,600.3</b>	<b>\$ —</b>	<b>\$ 4,460.6</b>	<b>\$ (59.0)</b>	<b>\$ 27,892.7</b>
	December 31, 2019						
	Vertically Integrated Utilities	Transmission and Distribution Utilities	AEP Transmission Holdco	Generation & Marketing	Corporate and Other (a)	Reconciling Adjustments	Consolidated
(in millions)							
Total Property, Plant and Equipment	\$ 47,323.7	\$ 19,773.3	\$ 10,334.0	\$ 1,650.8	\$ 418.4	\$ (354.5) (b)	\$ 79,145.7
Accumulated Depreciation and Amortization	14,580.4	3,911.2	418.9	99.0	184.5	(186.4) (b)	19,007.6
<b>Total Property Plant and Equipment - Net</b>	<b>\$ 32,743.3</b>	<b>\$ 15,862.1</b>	<b>\$ 9,915.1</b>	<b>\$ 1,551.8</b>	<b>\$ 233.9</b>	<b>\$ (168.1) (b)</b>	<b>\$ 60,138.1</b>
<b>Total Assets</b>	<b>\$ 41,228.8</b>	<b>\$ 18,757.5</b>	<b>\$ 11,143.5</b>	<b>\$ 3,123.8</b>	<b>\$ 5,440.0 (c)</b>	<b>\$ (3,801.3) (b) (d)</b>	<b>\$ 75,892.3</b>
<b>Long-term Debt Due Within One Year:</b>							
Affiliated	\$ 20.0	\$ —	\$ —	\$ —	\$ —	\$ (20.0)	\$ —
Nonaffiliated	704.7	392.2	—	—	501.8 (e)	—	1,598.7
<b>Long-term Debt:</b>							
Affiliated	39.0	—	—	—	—	(39.0)	—
Nonaffiliated	12,162.0	6,248.1	3,593.8	—	3,122.9 (e)	—	25,126.8
<b>Total Long-term Debt</b>	<b>\$ 12,925.7</b>	<b>\$ 6,640.3</b>	<b>\$ 3,593.8</b>	<b>\$ —</b>	<b>\$ 3,624.7</b>	<b>\$ (59.0)</b>	<b>\$ 26,725.5</b>

- (a) Corporate and Other primarily includes the purchasing of receivables from certain AEP utility subsidiaries. This segment also includes Parent's guarantee revenue received from affiliates, investment income, interest income, interest expense and other nonallocated costs.  
 (b) Includes eliminations due to an intercompany finance lease.  
 (c) Includes elimination of AEP Parent's investments in wholly-owned subsidiary companies.  
 (d) Reconciling Adjustments for Total Assets primarily include elimination of intercompany advances to affiliates and intercompany accounts receivable.  
 (e) Amounts reflect the impact of fair value hedge accounting. See "Accounting for Fair Value Hedging Strategies" section of Note 10 for additional information.

**Registrant Subsidiaries' Reportable Segments (Applies to all Registrant Subsidiaries except AEPTCo)**

The Registrant Subsidiaries each have one reportable segment, an integrated electricity generation, transmission and distribution business for APCo, I&M, PSO and SWEPCo, and an integrated electricity transmission and distribution business for AEP Texas and OPCo. Other activities are insignificant. The Registrant Subsidiaries' operations are managed on an integrated basis because of the substantial impact of cost-based rates and regulatory oversight on the business process, cost structures and operating results.



**AEPTCo's Reportable Segments**

AEPTCo Parent is the holding company of seven FERC-regulated transmission-only electric utilities. The seven State Transcos have been identified as operating segments of AEPTCo under the accounting guidance for "Segment Reporting." The State Transcos business consists of developing, constructing and operating transmission facilities at the request of the RTOs in which they operate and in replacing and upgrading facilities, assets and components of the existing AEP transmission system as needed to maintain reliability standards and provide service to AEP's wholesale and retail customers. The State Transcos are regulated for rate-making purposes exclusively by the FERC and earn revenues through tariff rates charged for the use of their electric transmission systems.

AEPTCo's Chief Operating Decision Maker makes operating decisions, allocates resources to and assesses performance based on these operating segments. The State Transcos operating segments all have similar economic characteristics and meet all of the criteria under the accounting guidance for "Segment Reporting" to be aggregated into one operating segment. As a result, AEPTCo has one reportable segment. The remainder of AEPTCo's activity is presented in AEPTCo Parent. While not considered a reportable segment, AEPTCo Parent represents the activity of the holding company which primarily relates to debt financing activity and general corporate activities.

The tables below present AEPTCo's reportable segment income statement information for the three months ended March 31, 2020 and 2019 and reportable segment balance sheet information as of March 31, 2020 and December 31, 2019.

	Three Months Ended March 31, 2020			
	State Transcos	AEPTCo Parent	Reconciling Adjustments	AEPTCo Consolidated
(in millions)				
Revenues from				
External Customers	\$ 61.3	\$ —	\$ —	\$ 61.3
Sales to AEP Affiliates	233.7	—	—	233.7
Other Revenues	0.6	—	—	0.6
<b>Total Revenues</b>	<b>\$ 295.6</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 295.6</b>
Interest Income	\$ 0.2	\$ 34.0	\$ (33.4) (a)	\$ 0.8
Interest Expense	29.6	33.4	(33.4) (a)	29.6
Income Tax Expense	31.8	—	—	31.8
<b>Net Income</b>	<b>\$ 117.3</b>	<b>\$ 0.5 (b)</b>	<b>\$ —</b>	<b>\$ 117.8</b>
	Three Months Ended March 31, 2019			
	State Transcos	AEPTCo Parent	Reconciling Adjustments	AEPTCo Consolidated
(in millions)				
Revenues from				
External Customers	\$ 50.3	\$ —	\$ —	\$ 50.3
Sales to AEP Affiliates	193.2	—	—	193.2
<b>Total Revenues</b>	<b>\$ 243.5</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 243.5</b>
Interest Income	\$ 0.2	\$ 28.4	\$ (27.9) (a)	\$ 0.7
Interest Expense	21.7	27.9	(27.9) (a)	21.7
Income Tax Expense	27.6	—	—	27.6
<b>Net Income</b>	<b>\$ 104.2</b>	<b>\$ 0.1 (b)</b>	<b>\$ —</b>	<b>\$ 104.3</b>

	March 31, 2020			
	State Transcos	AEPTCo Parent	Reconciling Adjustments	AEPTCo Consolidated
(in millions)				
Total Transmission Property	\$ 10,221.2	\$ —	\$ —	\$ 10,221.2
Accumulated Depreciation and Amortization	445.8	—	—	445.8
<b>Total Transmission Property – Net</b>	<b>\$ 9,775.4</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 9,775.4</b>
<b>Notes Receivable - Affiliated</b>	<b>\$ —</b>	<b>\$ 3,427.8</b>	<b>\$ (3,427.8)</b>	<b>(c) \$ —</b>
<b>Total Assets</b>	<b>\$ 10,150.9</b>	<b>\$ 3,562.7</b>	<b>(d) \$ (3,513.7)</b>	<b>(e) \$ 10,199.9</b>
<b>Total Long-term Debt</b>	<b>\$ 3,465.0</b>	<b>\$ 3,427.8</b>	<b>\$ (3,465.0)</b>	<b>(c) \$ 3,427.8</b>
	December 31, 2019			
	State Transcos	AEPTCo Parent	Reconciling Adjustments	AEPTCo Consolidated
(in millions)				
Total Transmission Property	\$ 9,893.2	\$ —	\$ —	\$ 9,893.2
Accumulated Depreciation and Amortization	402.3	—	—	402.3
<b>Total Transmission Property – Net</b>	<b>\$ 9,490.9</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 9,490.9</b>
<b>Notes Receivable - Affiliated</b>	<b>\$ —</b>	<b>\$ 3,427.3</b>	<b>\$ (3,427.3)</b>	<b>(c) \$ —</b>
<b>Total Assets</b>	<b>\$ 9,865.0</b>	<b>\$ 3,519.1</b>	<b>(d) \$ (3,493.3)</b>	<b>(e) \$ 9,890.8</b>
<b>Total Long-term Debt</b>	<b>\$ 3,465.0</b>	<b>\$ 3,427.3</b>	<b>\$ (3,465.0)</b>	<b>(c) \$ 3,427.3</b>

- (a) Elimination of intercompany interest income/interest expense on affiliated debt arrangement
- (b) Includes the elimination of AEPTCo Parent's equity earnings in the State Transcos
- (c) Elimination of intercompany debt
- (d) Includes the elimination of AEPTCo Parent's investments in State Transcos
- (e) Primarily relates to the elimination of Notes Receivable from the State Transcos

## **9. DERIVATIVES AND HEDGING**

The disclosures in this note apply to all Registrants unless indicated otherwise. For the periods presented, AEPTCo did not have any derivative and hedging activity.

### **OBJECTIVES FOR UTILIZATION OF DERIVATIVE INSTRUMENTS**

AEPSC is agent for and transacts on behalf of AEP subsidiaries, including the Registrant Subsidiaries. AEPEP is agent for and transacts on behalf of other AEP subsidiaries.

The Registrants are exposed to certain market risks as major power producers and participants in the electricity, capacity, natural gas, coal and emission allowance markets. These risks include commodity price risks which may be subject to capacity risk, interest rate risk and credit risk. These risks represent the risk of loss that may impact the Registrants due to changes in the underlying market prices or rates. Management utilizes derivative instruments to manage these risks.

### **STRATEGIES FOR UTILIZATION OF DERIVATIVE INSTRUMENTS TO ACHIEVE OBJECTIVES**

#### ***Risk Management Strategies***

The strategy surrounding the use of derivative instruments primarily focuses on managing risk exposures, future cash flows and creating value utilizing both economic and formal hedging strategies. The risk management strategies also include the use of derivative instruments for trading purposes which focus on seizing market opportunities to create value driven by expected changes in the market prices of the commodities. To accomplish these objectives, the Registrants primarily employ risk management contracts including physical and financial forward purchase-and-sale contracts and, to a lesser extent, OTC swaps and options. Not all risk management contracts meet the definition of a derivative under the accounting guidance for "Derivatives and Hedging." Derivative risk management contracts elected normal under the normal purchases and normal sales scope exception are not subject to the requirements of this accounting guidance.

The Registrants utilize power, capacity, coal, natural gas, interest rate and, to a lesser extent, heating oil, gasoline and other commodity contracts to manage the risk associated with the energy business. The Registrants utilize interest rate derivative contracts in order to manage the interest rate exposure associated with the commodity portfolio. For disclosure purposes, such risks are grouped as "Commodity," as these risks are related to energy risk management activities. The Registrants also utilize derivative contracts to manage interest rate risk associated with debt financing. For disclosure purposes, these risks are grouped as "Interest Rate." The amount of risk taken is determined by the Commercial Operations, Energy Supply and Finance groups in accordance with established risk management policies as approved by the Finance Committee of the Board of Directors.

The following tables represent the gross notional volume of the Registrants' outstanding derivative contracts:

**Notional Volume of Derivative Instruments**  
**March 31, 2020**

Primary Risk Exposure	Unit of Measure	AEP	AEP Texas	APCo	I&M	OPCo	PSO	SWEPCo
(in millions)								
Commodity								
Power	MWhs	305.4	—	38.7	18.5	3.2	5.9	1.7
Natural Gas	MMBtus	42.3	—	—	—	—	—	10.7
Heating Oil and Gasoline	Gallons	5.0	1.3	0.8	0.5	1.0	0.5	0.7
Interest Rate	USD	\$ 137.1	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —
Interest Rate on Long-term Debt	USD	\$ 650.0	\$ —	\$ 150.0	\$ —	\$ —	\$ —	\$ —

**December 31, 2019**

Primary Risk Exposure	Unit of Measure	AEP	AEP Texas	APCo	I&M	OPCo	PSO	SWEPCo
(in millions)								
Commodity								
Power	MWhs	365.9	—	61.0	26.8	7.1	14.9	4.4
Natural Gas	MMBtus	40.7	—	—	—	—	—	11.6
Heating Oil and Gasoline	Gallons	6.9	1.8	1.1	0.6	1.4	0.7	0.9
Interest Rate	USD	\$ 140.1	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —
Interest Rate on Long-term Debt	USD	\$ 625.0	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —

**Fair Value Hedging Strategies (Applies to AEP)**

Parent enters into interest rate derivative transactions as part of an overall strategy to manage the mix of fixed-rate and floating-rate debt. Certain interest rate derivative transactions effectively modify exposure to interest rate risk by converting a portion of fixed-rate debt to a floating-rate. Provided specific criteria are met, these interest rate derivatives may be designated as fair value hedges.

**Cash Flow Hedging Strategies**

The Registrants utilize cash flow hedges on certain derivative transactions for the purchase and sale of power ("Commodity") in order to manage the variable price risk related to forecasted purchases and sales. Management monitors the potential impacts of commodity price changes and, where appropriate, enters into derivative transactions to protect profit margins for a portion of future electricity sales and purchases. The Registrants do not hedge all commodity price risk.

The Registrants utilize a variety of interest rate derivative transactions in order to manage interest rate risk exposure. The Registrants also utilize interest rate derivative contracts to manage interest rate exposure related to future borrowings of fixed-rate debt. The Registrants do not hedge all interest rate exposure.

## ACCOUNTING FOR DERIVATIVE INSTRUMENTS AND THE IMPACT ON THE FINANCIAL STATEMENTS

The accounting guidance for “Derivatives and Hedging” requires recognition of all qualifying derivative instruments as either assets or liabilities on the balance sheets at fair value. The fair values of derivative instruments accounted for using MTM accounting or hedge accounting are based on exchange prices and broker quotes. If a quoted market price is not available, the estimate of fair value is based on the best information available including valuation models that estimate future energy prices based on existing market and broker quotes, supply and demand market data and assumptions. In order to determine the relevant fair values of the derivative instruments, the Registrants apply valuation adjustments for discounting, liquidity and credit quality.

Credit risk is the risk that a counterparty will fail to perform on the contract or fail to pay amounts due. Liquidity risk represents the risk that imperfections in the market will cause the price to vary from estimated fair value based upon prevailing market supply and demand conditions. Since energy markets are imperfect and volatile, there are inherent risks related to the underlying assumptions in models used to fair value risk management contracts. Unforeseen events may cause reasonable price curves to differ from actual price curves throughout a contract’s term and at the time a contract settles. Consequently, there could be significant adverse or favorable effects on future net income and cash flows if market prices are not consistent with management’s estimates of current market consensus for forward prices in the current period. This is particularly true for longer term contracts. Cash flows may vary based on market conditions, margin requirements and the timing of settlement of risk management contracts.

According to the accounting guidance for “Derivatives and Hedging,” the Registrants reflect the fair values of derivative instruments subject to netting agreements with the same counterparty net of related cash collateral. For certain risk management contracts, the Registrants are required to post or receive cash collateral based on third-party contractual agreements and risk profiles. AEP netted cash collateral received from third-parties against short-term and long-term risk management assets in the amounts of \$0 and \$5 million as of March 31, 2020 and December 31, 2019, respectively. AEP netted cash collateral paid to third-parties against short-term and long-term risk management liabilities in the amounts of \$76 million and \$39 million as of March 31, 2020 and December 31, 2019, respectively. APCo netted cash collateral paid to third-parties against short-term and long-term risk management liabilities in the amounts of \$5 million and \$1 million as of March 31, 2020 and December 31, 2019, respectively. The netted cash collateral from third-parties against short-term and long-term risk management assets and netted cash collateral paid to third-parties against short-term and long-term risk management liabilities were immaterial for the other Registrant Subsidiaries as of March 31, 2020 and December 31, 2019.

The following tables represent the gross fair value of the Registrants' derivative activity on the balance sheets:

AEP

**Fair Value of Derivative Instruments**  
**March 31, 2020**

<b>Balance Sheet Location</b>	<b>Risk Management Contracts</b>			<b>Hedging Contracts</b>			<b>Gross Amounts of Risk Management Assets/Liabilities Recognized</b>	<b>Gross Amounts Offset in the Statement of Financial Position (b)</b>	<b>Net Amounts of Assets/Liabilities Presented in the Statement of Financial Position (c)</b>		
	<b>Commodity (a)</b>	<b>Commodity (a)</b>	<b>Interest Rate (a)</b>								
(in millions)											
Current Risk Management Assets	\$ 412.7	\$ 13.5	\$ 4.6	\$ 430.8	\$ (300.4)	\$ 130.4					
Long-term Risk Management Assets	331.6	13.5	52.7	397.8	(74.1)	323.7					
<b>Total Assets</b>	<b>744.3</b>	<b>27.0</b>	<b>57.3</b>	<b>828.6</b>	<b>(374.5)</b>	<b>454.1</b>					
Current Risk Management Liabilities	401.7	103.2	5.3	510.2	(353.4)	156.8					
Long-term Risk Management Liabilities	305.9	82.9	—	388.8	(96.9)	291.9					
<b>Total Liabilities</b>	<b>707.6</b>	<b>186.1</b>	<b>5.3</b>	<b>899.0</b>	<b>(450.3)</b>	<b>448.7</b>					
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ 36.7</b>	<b>\$ (159.1)</b>	<b>\$ 52.0</b>	<b>\$ (70.4)</b>	<b>\$ 75.8</b>	<b>\$ 54</b>					

**December 31, 2019**

<b>Balance Sheet Location</b>	<b>Risk Management Contracts</b>			<b>Hedging Contracts</b>			<b>Gross Amounts of Risk Management Assets/Liabilities Recognized</b>	<b>Gross Amounts Offset in the Statement of Financial Position (b)</b>	<b>Net Amounts of Assets/Liabilities Presented in the Statement of Financial Position (c)</b>		
	<b>Commodity (a)</b>	<b>Commodity (a)</b>	<b>Interest Rate (a)</b>								
(in millions)											
Current Risk Management Assets	\$ 513.9	\$ 11.5	\$ 6.5	\$ 531.9	\$ (359.1)	\$ 172.8					
Long-term Risk Management Assets	290.8	11.0	12.6	314.4	(47.8)	266.6					
<b>Total Assets</b>	<b>804.7</b>	<b>22.5</b>	<b>19.1</b>	<b>846.3</b>	<b>(406.9)</b>	<b>439.4</b>					
Current Risk Management Liabilities	424.5	72.3	—	496.8	(382.5)	114.3					
Long-term Risk Management Liabilities	244.5	75.7	—	320.2	(58.4)	261.8					
<b>Total Liabilities</b>	<b>669.0</b>	<b>148.0</b>	<b>—</b>	<b>817.0</b>	<b>(440.9)</b>	<b>376.1</b>					
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ 135.7</b>	<b>\$ (125.5)</b>	<b>\$ 19.1</b>	<b>\$ 29.3</b>	<b>\$ 34.0</b>	<b>\$ 63.3</b>					

AEP Texas

Fair Value of Derivative Instruments  
March 31, 2020

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts – Commodity (a)	in the Statement of Financial Position (b)	Presented in the Statement of Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ —	\$ —	\$ —
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	—	—	—
Current Risk Management Liabilities	1.2	(1.2)	—
Long-term Risk Management Liabilities	—	—	—
<b>Total Liabilities</b>	1.2	(1.2)	—
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ (1.2)</b>	<b>\$ 1.2</b>	<b>\$ —</b>

December 31, 2019

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts – Commodity (a)	in the Statement of Financial Position (b)	Presented in the Statement of Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ —	\$ —	\$ —
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	—	—	—
Current Risk Management Liabilities	—	—	—
Long-term Risk Management Liabilities	—	—	—
<b>Total Liabilities</b>	—	—	—
<b>Total MTM Derivative Contract Net Assets</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ —</b>

APCo

Fair Value of Derivative Instruments  
March 31, 2020

Balance Sheet Location	Risk Management	Hedging	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts – Commodity (a)	Contracts – Interest Rate (a)	in the Statement of Financial Position (b)	Presented in the Statement of Financial Position (c)
(in millions)				
Current Risk Management Assets	\$ 71.1	\$ 0.3	\$ (53.3)	\$ 18.1
Long-term Risk Management Assets	3.5	—	(3.4)	0.1
<b>Total Assets</b>	<b>74.6</b>	<b>0.3</b>	<b>(56.7)</b>	<b>18.2</b>
Current Risk Management Liabilities	68.3	5.3	(58.6)	15.0
Long-term Risk Management Liabilities	3.5	—	(3.4)	0.1
<b>Total Liabilities</b>	<b>71.8</b>	<b>5.3</b>	<b>(62.0)</b>	<b>15.1</b>
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ 2.8</b>	<b>\$ (5.0)</b>	<b>\$ 5.3</b>	<b>\$ 3.1</b>

December 31, 2019

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts – Commodity (a)	in the Statement of Financial Position (b)	Presented in the Statement of Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 124.4	\$ (85.0)	\$ 39.4
Long-term Risk Management Assets	0.9	(0.8)	0.1
<b>Total Assets</b>	<b>125.3</b>	<b>\$ (85.8)</b>	<b>39.3</b>

<b>Total Assets</b>	125.3	(85.8)	39.5
Current Risk Management Liabilities	86.2	(84.3)	1.9
Long-term Risk Management Liabilities	0.7	(0.7)	—
<b>Total Liabilities</b>	86.9	(85.0)	1.9
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	\$ 38.4	\$ (0.8)	\$ 37.6

I&M

Fair Value of Derivative Instruments  
March 31, 2020

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 42.3	\$ (35.6)	\$ 6.7
Long-term Risk Management Assets	2.1	(2.0)	0.1
<b>Total Assets</b>	<b>44.4</b>	<b>(37.6)</b>	<b>6.8</b>
Current Risk Management Liabilities	38.3	(36.6)	1.7
Long-term Risk Management Liabilities	2.1	(2.0)	0.1
<b>Total Liabilities</b>	<b>40.4</b>	<b>(38.6)</b>	<b>1.8</b>
<b>Total MTM Derivative Contract Net Assets</b>	<b>\$ 4.0</b>	<b>\$ 1.0</b>	<b>\$ 5.0</b>

December 31, 2019

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 66.9	\$ (57.1)	\$ 9.8
Long-term Risk Management Assets	0.5	(0.4)	0.1
<b>Total Assets</b>	<b>67.4</b>	<b>(57.5)</b>	<b>9.9</b>
Current Risk Management Liabilities	55.2	(54.7)	0.5
Long-term Risk Management Liabilities	0.4	(0.4)	—
<b>Total Liabilities</b>	<b>55.6</b>	<b>(55.1)</b>	<b>0.5</b>
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ 11.8</b>	<b>\$ (2.4)</b>	<b>\$ 9.4</b>

OPCo

Fair Value of Derivative Instruments  
March 31, 2020

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ —	\$ —	\$ —
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	<b>—</b>	<b>—</b>	<b>—</b>
Current Risk Management Liabilities	9.6	(0.9)	8.7
Long-term Risk Management Liabilities	112.2	—	112.2
<b>Total Liabilities</b>	<b>121.8</b>	<b>(0.9)</b>	<b>120.9</b>
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ (121.8)</b>	<b>\$ 0.9</b>	<b>\$ (120.9)</b>

December 31, 2019

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ —	\$ —	\$ —
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	<b>—</b>	<b>—</b>	<b>—</b>

Current Risk Management Liabilities	73	—	73
Long-term Risk Management Liabilities	96.3	—	96.3
<b>Total Liabilities</b>	<b>103.6</b>	<b>—</b>	<b>103.6</b>
<b>Total MTM Derivative Contract Net Liabilities</b>	<b>\$ (103.6)</b>	<b>\$ —</b>	<b>\$ (103.6)</b>

PSO

Fair Value of Derivative Instruments  
March 31, 2020

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 6.7	\$ (0.3)	\$ 6.4
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	<b>6.7</b>	<b>(0.3)</b>	<b>6.4</b>
Current Risk Management Liabilities	0.9	(0.8)	0.1
Long-term Risk Management Liabilities	—	—	—
<b>Total Liabilities</b>	<b>0.9</b>	<b>(0.8)</b>	<b>0.1</b>
<b>Total MTM Derivative Contract Net Assets</b>	<b>\$ 5.8</b>	<b>\$ 0.5</b>	<b>\$ 6.3</b>

December 31, 2019

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 16.3	\$ (0.5)	\$ 15.8
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	<b>16.3</b>	<b>(0.5)</b>	<b>15.8</b>
Current Risk Management Liabilities	0.5	(0.5)	—
Long-term Risk Management Liabilities	—	—	—
<b>Total Liabilities</b>	<b>0.5</b>	<b>(0.5)</b>	<b>—</b>
<b>Total MTM Derivative Contract Net Assets</b>	<b>\$ 15.8</b>	<b>\$ —</b>	<b>\$ 15.8</b>

SWEPCo

Fair Value of Derivative Instruments  
March 31, 2020

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 2.7	\$ (0.1)	\$ 2.6
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	<b>2.7</b>	<b>(0.1)</b>	<b>2.6</b>
Current Risk Management Liabilities	2.9	(0.7)	2.2
Long-term Risk Management Liabilities	2.9	—	2.9
<b>Total Liabilities</b>	<b>5.8</b>	<b>(0.7)</b>	<b>5.1</b>
<b>Total MTM Derivative Contract Net Assets (Liabilities)</b>	<b>\$ (3.1)</b>	<b>\$ 0.6</b>	<b>\$ (2.5)</b>

December 31, 2019

Balance Sheet Location	Risk Management	Gross Amounts Offset	Net Amounts of Assets/Liabilities
	Contracts –	in the Statement of	Presented in the Statement of
	Commodity (a)	Financial Position (b)	Financial Position (c)
(in millions)			
Current Risk Management Assets	\$ 6.5	\$ (0.1)	\$ 6.4
Long-term Risk Management Assets	—	—	—
<b>Total Assets</b>	<b>6.5</b>	<b>(0.1)</b>	<b>6.4</b>

<b>Current Risk Management Liabilities</b>	2 0	(0 1)	1 9
Long-term Risk Management Liabilities	3 1	—	3 1
<b>Total Liabilities</b>	<b>5 1</b>	<b>(0 1)</b>	<b>5 0</b>
<b>Total MTM Derivative Contract Net Assets</b>	<b>\$ 1.4</b>	<b>\$ —</b>	<b>\$ 1.4</b>

- (a) Derivative instruments within these categories are reported gross. These instruments are subject to master netting agreements and are presented on the balance sheets on a net basis in accordance with the accounting guidance for "Derivatives and Hedging."  
(b) Amounts include counterparty netting of risk management and hedging contracts and associated cash collateral in accordance with the accounting guidance for "Derivatives and Hedging."  
(c) All derivative contracts subject to a master netting arrangement or similar agreement are offset in the statement of financial position

The tables below present the Registrants' activity of derivative risk management contracts:

Location of Gain (Loss)	Amount of Gain (Loss) Recognized on Risk Management Contracts						
	AEP	AEP Texas	APCo	I&M	OPCo	PSO	SWEPCo
(in millions)							
Vertically Integrated Utilities Revenues	\$ 0 4	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —
Generation & Marketing Revenues	(10 3)	—	—	—	—	—	—
Electric Generation, Transmission and Distribution Revenues	—	—	0 2	0 1	—	—	—
Purchased Electricity for Resale	0 1	—	0 1	—	—	—	—
Other Operation	(0 2)	(0 1)	—	—	(0 1)	—	—
Maintenance	(0 2)	(0 1)	(0 1)	—	—	—	—
Regulatory Assets (a)	(33 9)	(1 2)	(8 9)	(0 7)	(18 4)	(0 5)	(2 0)
Regulatory Liabilities (a)	11 2	—	(7 3)	3 2	3 5	8 1	3 3
<b>Total Gain (Loss) on Risk Management Contracts</b>	<b>\$ (32 9)</b>	<b>\$ (1 4)</b>	<b>\$ (16 0)</b>	<b>\$ 2 6</b>	<b>\$ (15 0)</b>	<b>\$ 7 6</b>	<b>\$ 1 3</b>

**Three Months Ended March 31, 2019**

Location of Gain (Loss)	Amount of Gain (Loss) Recognized on Risk Management Contracts						
	AEP	AEP Texas	APCo	I&M	OPCo	PSO	SWEPCo
(in millions)							
Vertically Integrated Utilities Revenues	\$ 0 3	\$ —	\$ —	\$ —	\$ —	\$ —	\$ —
Generation & Marketing Revenues	2 7	—	—	—	—	—	—
Electric Generation, Transmission and Distribution Revenues	—	—	(0 1)	0 3	—	—	0 1
Purchased Electricity for Resale	1 4	—	—	—	—	—	—
Other Operation	(0 4)	(0 1)	(0 1)	—	(0 1)	—	—
Maintenance	(0 5)	(0 1)	—	—	(0 1)	—	(0 1)
Regulatory Assets (a)	(6 4)	0 6	(2 1)	0 3	(8 9)	0 5	(0 1)
Regulatory Liabilities (a)	(22 0)	—	(31 7)	6 6	—	6 2	4 7
<b>Total Gain (Loss) on Risk Management Contracts</b>	<b>\$ (24 9)</b>	<b>\$ 0 4</b>	<b>\$ (34 0)</b>	<b>\$ 7 2</b>	<b>\$ (9 1)</b>	<b>\$ 6 7</b>	<b>\$ 4 6</b>

(a) Represents realized and unrealized gains and losses subject to regulatory accounting treatment recorded as either current or noncurrent on the balance sheets

Certain qualifying derivative instruments have been designated as normal purchase or normal sale contracts, as provided in the accounting guidance for "Derivatives and Hedging." Derivative contracts that have been designated as normal purchases or normal sales under that accounting guidance are not subject to MTM accounting treatment and are recognized on the statements of income on an accrual basis.

The accounting for the changes in the fair value of a derivative instrument depends on whether it qualifies for and has been designated as part of a hedging relationship and further, on the type of hedging relationship. Depending on the exposure, management designates a hedging instrument as a fair value hedge or a cash flow hedge.

For contracts that have not been designated as part of a hedging relationship, the accounting for changes in fair value depends on whether the derivative instrument is held for trading purposes. Unrealized and realized gains and losses on derivative instruments held for trading purposes are included in revenues on a net basis on the statements of income. Unrealized and realized gains and losses on derivative instruments not held for trading purposes are included in revenues or expenses on the statements of income depending on the relevant facts and circumstances. Certain derivatives that economically hedge future commodity risk are recorded in the same expense line item on the statements of income as that of the associated risk. However, unrealized and some realized gains and losses in regulated jurisdictions for both trading and non-trading derivative instruments are recorded as regulatory assets (for losses) or regulatory liabilities (for gains) in accordance with the accounting guidance for "Regulated Operations."

### **Accounting for Fair Value Hedging Strategies (Applies to AEP)**

For fair value hedges (i.e. hedging the exposure to changes in the fair value of an asset, liability or an identified portion thereof attributable to a particular risk), the gain or loss on the derivative instrument as well as the offsetting gain or loss on the hedged item associated with the hedged risk impacts net income during the period of change.

AEP records realized and unrealized gains or losses on interest rate swaps that are designated and qualify for fair value hedge accounting treatment and any offsetting changes in the fair value of the debt being hedged in Interest Expense on the statements of income.

The following table shows the impacts recognized on the balance sheets related to the hedged items in fair value hedging relationships:

	Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Liabilities			
	Carrying Amount of the Hedged Liabilities		March 31, 2020	
	March 31, 2020	December 31, 2019	March 31, 2020	December 31, 2019
(in millions)				
Long-term Debt (a)	\$ (553.4)	\$ (510.8)	\$ (57.0)	\$ (14.5)

(a) Amounts included on the balance sheets within Long-term Debt Due within One Year and Long-term Debt, respectively

The pretax effects of fair value hedge accounting on income were as follows:

	Three Months Ended March 31,	
	2020 2019	
	(in millions)	
Gain (Loss) on Interest Rate Contracts		
Gain on Fair Value Hedging Instruments (a)	\$ 42.5	\$ 11.1
Loss on Fair Value Portion of Long-term Debt (a)	(42.5)	(11.1)

(a) Gain (Loss) is included in Interest Expense on the statements of income

### **Accounting for Cash Flow Hedging Strategies**

For cash flow hedges (i.e. hedging the exposure to variability in expected future cash flows that is attributable to a particular risk), the Registrants initially report the gain or loss on the derivative instrument as a component of Accumulated Other Comprehensive Income (Loss) on the balance sheets until the period the hedged item affects net income.

Realized gains and losses on derivative contracts for the purchase and sale of power designated as cash flow hedges are included in Total Revenues or Purchased Electricity for Resale on the statements of income or in Regulatory Assets or Regulatory Liabilities on the balance sheets, depending on the specific nature of the risk being hedged. During the three months ended March 31, 2020 and 2019, AEP applied cash flow hedging to outstanding power derivatives. During the three months ended March 31, 2020 and 2019, the Registrant Subsidiaries did not apply cash flow hedging to outstanding power derivatives.

The Registrants reclassify gains and losses on interest rate derivative hedges related to debt financings from Accumulated Other Comprehensive Income (Loss) on the balance sheets into Interest Expense on the statements of income in those periods in which hedged interest payments occur. During the three months ended March 31, 2020, AEP and APCo applied cash flow hedging to outstanding interest rate derivatives and the other Registrant Subsidiaries did not. During the three months ended March 31, 2019, the Registrants did not apply cash flow hedging to outstanding interest rate derivatives.

For details on effective cash flow hedges included in Accumulated Other Comprehensive Income (Loss) on the balance sheets and the reasons for changes in cash flow hedges, see Note 3 - Comprehensive Income.

Cash flow hedges included in Accumulated Other Comprehensive Income (Loss) on the balance sheets were:

**Impact of Cash Flow Hedges on AEP's Balance Sheets**

	March 31, 2020		December 31, 2019	
	Commodity	Interest Rate	Commodity	Interest Rate
	(in millions)			
AOCI Gain (Loss) Net of Tax	\$ (128.5)	\$ (53.5)	\$ (103.5)	\$ (11.5)
Portion Expected to be Reclassified to Net Income During the Next Twelve Months	(73.2)	(4.3)	(51.7)	(2.1)

As of March 31, 2020 the maximum length of time that AEP is hedging its exposure to variability in future cash flows related to forecasted transactions is 132 months and 129 months for commodity and interest rate hedges, respectively.

**Impact of Cash Flow Hedges on the Registrant Subsidiaries' Balance Sheets**

Company	March 31, 2020		December 31, 2019	
	Interest Rate			
	AOCI Gain (Loss) Net of Tax	Expected to be Reclassified to Net Income During the Next Twelve Months	AOCI Gain (Loss) Net of Tax	Expected to be Reclassified to Net Income During the Next Twelve Months
(in millions)				
AEP Texas	\$ (3.1)	\$ (1.1)	\$ (3.4)	\$ (1.1)
APCo	(3.3)	1.1	0.9	0.9
I&M	(9.5)	(1.6)	(9.9)	(1.6)
PSO	0.9	0.9	1.1	1.0
SWEPCo	(1.4)	(1.5)	(1.8)	(1.5)

The actual amounts reclassified from Accumulated Other Comprehensive Income (Loss) to Net Income can differ from the estimate above due to market price changes.

**Credit Risk**

Management mitigates credit risk in wholesale marketing and trading activities by assessing the creditworthiness of potential counterparties before entering into transactions with them and continuing to evaluate their creditworthiness on an ongoing basis. Management uses credit agency ratings and current market-based qualitative and quantitative data as well as financial statements to assess the financial health of counterparties on an ongoing basis.

Master agreements are typically used to facilitate the netting of cash flows associated with a single counterparty and may include collateral requirements. Collateral requirements in the form of cash, letters of credit and parental/affiliate guarantees may be obtained as security from counterparties in order to mitigate credit risk. Some master agreements include margining, which requires a counterparty to post cash or letters of credit in the event exposure exceeds the established threshold. The threshold represents an unsecured credit limit which may be supported by a parental/affiliate guaranty, as determined in accordance with AEP's credit policy. In addition, master agreements allow for termination and liquidation of all positions in the event of a default including a failure or inability to post collateral when required.

### ***Collateral Triggering Events***

#### ***Credit Downgrade Triggers (Applies to AEP, APCo, I&M, PSO and SWEPCo)***

A limited number of derivative contracts include collateral triggering events, which include a requirement to maintain certain credit ratings. On an ongoing basis, AEP's risk management organization assesses the appropriateness of these collateral triggering events in contracts. The Registrants have not experienced a downgrade below a specified credit rating threshold that would require the posting of additional collateral. The Registrants had no derivative contracts with collateral triggering events in a net liability position as of March 31, 2020 and December 31, 2019, respectively.

#### ***Cross-Default Triggers (Applies to AEP, APCo, I&M and SWEPCo)***

In addition, a majority of non-exchange traded commodity contracts contain cross-default provisions that, if triggered, would permit the counterparty to declare a default and require settlement of the outstanding payable. These cross-default provisions could be triggered if there was a non-performance event by Parent or the obligor under outstanding debt or a third-party obligation that is \$50 million or greater. On an ongoing basis, AEP's risk management organization assesses the appropriateness of these cross-default provisions in the contracts. The following tables represent: (a) the fair value of these derivative liabilities subject to cross-default provisions prior to consideration of contractual netting arrangements, (b) the amount that the exposure has been reduced by cash collateral posted and (c) if a cross-default provision would have been triggered, the settlement amount that would be required after considering contractual netting arrangements:

March 31, 2020						
Company		Liabilities for Contracts with Cross Default Provisions Prior to Contractual Netting Arrangements	Amount of Cash Collateral Posted	(in millions)	Additional Settlement Liability if Cross Default Provision is Triggered	
AEP	\$	310.4	\$ 1.6		\$ 282.9	
APCo		2.2	—		0.2	
I&M		1.3	—		0.1	
SWEPCo		5.5	—		5.5	

  

December 31, 2019						
Company		Liabilities for Contracts with Cross Default Provisions Prior to Contractual Netting Arrangements	Amount of Cash Collateral Posted	(in millions)	Additional Settlement Liability if Cross Default Provision is Triggered	
AEP	\$	267.3	\$ 3.7		\$ 246.7	
APCo		2.3	—		0.4	
I&M		1.3	—		0.2	
SWEPCo		5.1	—		5.1	

## **10. FAIR VALUE MEASUREMENTS**

The disclosures in this note apply to all Registrants except AEPTCo unless indicated otherwise.

### ***Fair Value Hierarchy and Valuation Techniques***

The accounting guidance for “Fair Value Measurements and Disclosures” establishes a fair value hierarchy that prioritizes the inputs used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurement) and the lowest priority to unobservable inputs (Level 3 measurement). Where observable inputs are available for substantially the full term of the asset or liability, the instrument is categorized in Level 2. When quoted market prices are not available, pricing may be completed using comparable securities, dealer values, operating data and general market conditions to determine fair value. Valuation models utilize various inputs such as commodity, interest rate and, to a lesser degree, volatility and credit that include quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets or liabilities in inactive markets, market corroborated inputs (i.e. inputs derived principally from, or correlated to, observable market data) and other observable inputs for the asset or liability.

For commercial activities, exchange-traded derivatives, namely futures contracts, are generally fair valued based on unadjusted quoted prices in active markets and are classified as Level 1. Level 2 inputs primarily consist of OTC broker quotes in moderately active or less active markets, as well as exchange-traded derivatives where there is insufficient market liquidity to warrant inclusion in Level 1. Management verifies price curves using these broker quotes and classifies these fair values within Level 2 when substantially all of the fair value can be corroborated. Management typically obtains multiple broker quotes, which are nonbinding in nature but are based on recent trades in the marketplace. When multiple broker quotes are obtained, the quoted bid and ask prices are averaged. In certain circumstances, a broker quote may be discarded if it is a clear outlier. Management uses a historical correlation analysis between the broker quoted location and the illiquid locations. If the points are highly correlated, these locations are included within Level 2 as well. Certain OTC and bilaterally executed derivative instruments are executed in less active markets with a lower availability of pricing information. Illiquid transactions, complex structured transactions, FTRs and counterparty credit risk may require nonmarket-based inputs. Some of these inputs may be internally developed or extrapolated and utilized to estimate fair value. When such inputs have a significant impact on the measurement of fair value, the instrument is categorized as Level 3. The main driver of contracts being classified as Level 3 is the inability to substantiate energy price curves in the market. A portion of the Level 3 instruments have been economically hedged which limits potential earnings volatility.

AEP utilizes its trustee’s external pricing service to estimate the fair value of the underlying investments held in the nuclear trusts. AEP’s investment managers review and validate the prices utilized by the trustee to determine fair value. AEP’s management performs its own valuation testing to verify the fair values of the securities. AEP receives audit reports of the trustee’s operating controls and valuation processes.

Assets in the nuclear trusts, cash and cash equivalents, other temporary investments and restricted cash for securitized funding are classified using the following methods. Equities are classified as Level 1 holdings if they are actively traded on exchanges. Items classified as Level 1 are investments in money market funds, fixed income and equity mutual funds and equity securities. They are valued based on observable inputs, primarily unadjusted quoted prices in active markets for identical assets. Items classified as Level 2 are primarily investments in individual fixed income securities. Fixed income securities generally do not trade on exchanges and do not have an official closing price but their valuation inputs are based on observable market data. Pricing vendors calculate bond valuations using financial models and matrices. The models use observable inputs including yields on benchmark securities, quotes by securities brokers, rating agency actions, discounts or premiums on securities compared to par prices, changes in yields for U.S. Treasury securities, corporate actions by bond issuers, prepayment schedules and histories, economic events and, for certain securities, adjustments to yields to reflect changes in the rate of inflation. Other securities with model-derived valuation inputs that are observable are also classified as Level 2 investments. Investments with unobservable valuation inputs are classified as Level 3 investments.

**Fair Value Measurements of Long-term Debt (Applies to all Registrants)**

The fair values of Long-term Debt are based on quoted market prices, without credit enhancements, for the same or similar issues and the current interest rates offered for instruments with similar maturities classified as Level 2 measurement inputs. These instruments are not marked-to-market. The estimates presented are not necessarily indicative of the amounts that could be realized in a current market exchange. The fair value of AEP's Equity Units (Level 1) are valued based on publicly traded securities issued by AEP.

The book values and fair values of Long-term Debt are summarized in the following table:

Company	March 31, 2020		December 31, 2019	
	Book Value	Fair Value	Book Value	Fair Value
(in millions)				
AEP (a)	\$ 27,892.7	\$ 29,776.6	\$ 26,725.5	\$ 30,172.0
AEP Texas	4,445.4	4,637.3	4,558.4	4,981.5
AEPTCo	3,427.8	3,680.7	3,427.3	3,868.0
APCo	4,352.4	4,959.0	4,363.8	5,253.1
I&M	3,028.0	3,318.2	3,050.2	3,453.8
OPCo	2,429.1	2,795.3	2,082.0	2,554.3
PSO	1,386.3	1,553.9	1,386.2	1,603.3
SWEPCo	2,654.4	2,776.5	2,655.6	2,927.9

- (a) The fair value amount includes debt related to AEP's Equity Units issued in March 2019 and has a fair value of \$777 million and \$871 million as of March 31, 2020 and December 31, 2019, respectively. See "Equity Units" section of Note 12 for additional information.

**Fair Value Measurements of Other Temporary Investments (Applies to AEP)**

Other Temporary Investments include marketable securities that management intends to hold for less than one year and investments by AEP's protected cell of EIS.

The following is a summary of Other Temporary Investments:

Other Temporary Investments	March 31, 2020				
	Cost	Gross	Gross	Fair	Value
		Unrealized	Unrealized		
(in millions)					
Restricted Cash and Other Cash Deposits (a)	\$ 151.9	\$ —	\$ —	\$ —	\$ 151.9
Fixed Income Securities – Mutual Funds (b)	118.6	0.4	—	—	119.0
Equity Securities – Mutual Funds	19.3	11.2	—	—	30.5
<b>Total Other Temporary Investments</b>	<b>\$ 289.8</b>	<b>\$ 11.6</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 301.4</b>
December 31, 2019					
Other Temporary Investments	Cost	Gross	Gross	Fair	Value
		Unrealized	Unrealized		
	(in millions)	Gains	Losses		
Restricted Cash and Other Cash Deposits (a)	\$ 214.7	\$ —	\$ —	\$ —	\$ 214.7
Fixed Income Securities – Mutual Funds (b)	123.2	0.1	—	—	123.3
Equity Securities – Mutual Funds	29.2	21.3	—	—	50.5
<b>Total Other Temporary Investments</b>	<b>\$ 367.1</b>	<b>\$ 21.4</b>	<b>\$ —</b>	<b>\$ —</b>	<b>\$ 388.5</b>

- (a) Primarily represents amounts held for the repayment of debt.  
(b) Primarily short and intermediate maturities which may be sold and do not contain maturity dates.

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The following table provides the activity for fixed income and equity securities within Other Temporary Investments:

	Three Months Ended March 31,	
	2020	2019
(in millions)		
Proceeds from Investment Sales	\$ 23.2	\$ —
Purchases of Investments	6.7	0.1
Gross Realized Gains on Investment Sales	2.0	—
Gross Realized Losses on Investment Sales	0.1	—

***Fair Value Measurements of Trust Assets for Decommissioning and SNF Disposal (Applies to AEP and I&M)***

Nuclear decommissioning and SNF trust funds represent funds that regulatory commissions allow I&M to collect through rates to fund future decommissioning and SNF disposal liabilities. By rules or orders, the IURC, the MPSC and the FERC established investment limitations and general risk management guidelines. In general, limitations include:

- Acceptable investments (rated investment grade or above when purchased).
- Maximum percentage invested in a specific type of investment.
- Prohibition of investment in obligations of AEP, I&M or their affiliates.
- Withdrawals permitted only for payment of decommissioning costs and trust expenses.

I&M maintains trust funds for each regulatory jurisdiction. Regulatory approval is required to withdraw decommissioning funds. These funds are managed by external investment managers who must comply with the guidelines and rules of the applicable regulatory authorities. The trust assets are invested to optimize the net of tax earnings of the trust giving consideration to liquidity, risk, diversification and other prudent investment objectives.

I&M records securities held in these trust funds in Spent Nuclear Fuel and Decommissioning Trusts on its balance sheets. I&M records these securities at fair value. I&M classifies securities in the trust funds as available-for-sale due to their long-term purpose. Available-for-sale classification only applies to investment in debt securities in accordance with ASU 2016-01. Additionally, ASU 2016-01 requires changes in fair value of equity securities to be recognized in earnings. However, due to the regulatory treatment described below, this is not applicable for I&M's trust fund securities.

Other-than-temporary impairments for investments in debt securities are considered realized losses as a result of securities being managed by an external investment management firm. The external investment management firm makes specific investment decisions regarding the debt and equity investments held in these trusts and generally intends to sell debt securities in an unrealized loss position as part of a tax optimization strategy. Impairments reduce the cost basis of the securities which will affect any future unrealized gain or realized gain or loss due to the adjusted cost of investment. I&M records unrealized gains, unrealized losses and other-than-temporary impairments from securities in these trust funds as adjustments to the regulatory liability account for the nuclear decommissioning trust funds and to regulatory assets or liabilities for the SNF disposal trust funds in accordance with their treatment in rates. Consequently, changes in fair value of trust assets do not affect earnings or AOCI.

The following is a summary of nuclear trust fund investments:

	March 31, 2020			December 31, 2019		
	Fair Value	Gross Gains	Other-Than-Temporary Impairments	Fair Value	Unrealized Gains	Other-Than-Temporary Impairments
	(in millions)					
Cash and Cash Equivalents	\$ 46.9	\$ —	\$ —	\$ 15.3	\$ —	\$ —
Fixed Income Securities						
United States Government	1,026.1	121.4	(5.6)	1,112.5	55.5	(6.1)
Corporate Debt	62.7	6.0	(1.6)	72.4	5.3	(1.6)
State and Local Government	149.7	1.5	(0.2)	7.6	0.7	(0.2)
Subtotal Fixed Income Securities	1,238.5	128.9	(7.4)	1,192.5	61.5	(7.9)
Equity Securities - Domestic (a)	1,393.8	777.6	—	1,767.9	1,144.4	—
Spent Nuclear Fuel and Decommissioning Trusts	\$ 2,679.2	\$ 906.5	\$ (7.4)	\$ 2,975.7	\$ 1,205.9	\$ (7.9)

(a) Amount reported as Gross Unrealized Gains includes unrealized gains of \$801 million and \$1.1 billion and unrealized losses of \$23 million and \$5 million as of March 31, 2020 and December 31, 2019, respectively.

The following table provides the securities activity within the decommissioning and SNF trusts:

	Three Months Ended March 31,	
	2020	2019
(in millions)		
Proceeds from Investment Sales	\$ 612.4	\$ 111.9
Purchases of Investments	626.0	130.3
Gross Realized Gains on Investment Sales	10.9	12.3
Gross Realized Losses on Investment Sales	17.0	13.8

The base cost of fixed income securities was \$1.1 billion and \$1.1 billion as of March 31, 2020 and December 31, 2019, respectively. The base cost of equity securities was \$616 million and \$623 million as of March 31, 2020 and December 31, 2019, respectively.

The fair value of fixed income securities held in the nuclear trust funds, summarized by contractual maturities, as of March 31, 2020 was as follows:

	<b>Fair Value of Fixed Income Securities</b>
	(in millions)
Within 1 year	\$ 238.9
After 1 year through 5 years	404.5
After 5 years through 10 years	282.5
After 10 years	312.6
<b>Total</b>	<b>\$ 1,238.5</b>

**Fair Value Measurements of Financial Assets and Liabilities**

The following tables set forth, by level within the fair value hierarchy, the Registrants' financial assets and liabilities that were accounted for at fair value on a recurring basis. As required by the accounting guidance for "Fair Value Measurements and Disclosures," financial assets and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement. Management's assessment of the significance of a particular input to the fair value measurement requires judgment and may affect the valuation of fair value assets and liabilities and their placement within the fair value hierarchy levels. There have not been any significant changes in management's valuation techniques.

**AEP**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

	Level 1	Level 2	Level 3	Other	Total
<b>Assets:</b>					
<b>(in millions)</b>					
<b>Other Temporary Investments</b>					
Restricted Cash and Other Cash Deposits (a)	\$ 128.1	\$ —	\$ —	\$ 23.8	\$ 151.9
Fixed Income Securities – Mutual Funds	119.0	—	—	—	119.0
Equity Securities – Mutual Funds (b)	30.5	—	—	—	30.5
<b>Total Other Temporary Investments</b>	<b>277.6</b>	<b>—</b>	<b>—</b>	<b>23.8</b>	<b>301.4</b>
<b>Risk Management Assets</b>					
Risk Management Commodity Contracts (c) (d)	3.7	369.8	346.1	(340.5)	379.1
Cash Flow Hedges					
Commodity Hedges (c)	—	18.7	4.2	(5.2)	17.7
Interest Rate Hedges	—	0.3	—	—	0.3
Fair Value Hedges	—	57.0	—	—	57.0
<b>Total Risk Management Assets</b>	<b>3.7</b>	<b>445.8</b>	<b>350.3</b>	<b>(345.7)</b>	<b>454.1</b>
<b>Spent Nuclear Fuel and Decommissioning Trusts</b>					
Cash and Cash Equivalents (e)	37.0	—	—	9.9	46.9
Fixed Income Securities:					
United States Government	—	1,026.1	—	—	1,026.1
Corporate Debt	—	62.7	—	—	62.7
State and Local Government	—	149.7	—	—	149.7
Subtotal Fixed Income Securities	—	1,238.5	—	—	1,238.5
Equity Securities – Domestic (b)	1,393.8	—	—	—	1,393.8
<b>Total Spent Nuclear Fuel and Decommissioning Trusts</b>	<b>1,430.8</b>	<b>1,238.5</b>	<b>—</b>	<b>9.9</b>	<b>2,679.2</b>
<b>Total Assets</b>	<b>\$ 1,712.1</b>	<b>\$ 1,684.3</b>	<b>\$ 350.3</b>	<b>\$ (312.0)</b>	<b>\$ 3,434.7</b>
<b>Liabilities:</b>					
<b>Risk Management Liabilities</b>					
Risk Management Commodity Contracts (c) (d)	\$ 4.9	\$ 410.1	\$ 267.9	\$ (416.3)	\$ 266.6
Cash Flow Hedges					
Commodity Hedges (c)	—	142.1	39.9	(5.2)	176.8
Interest Rate Hedges	—	5.3	—	—	5.3
<b>Total Risk Management Liabilities</b>	<b>\$ 4.9</b>	<b>\$ 557.5</b>	<b>\$ 307.8</b>	<b>\$ (421.5)</b>	<b>\$ 448.7</b>

**AEP**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**December 31, 2019**

	Level 1	Level 2	Level 3	Other	Total
<b>Assets:</b>					
(in millions)					
<b>Other Temporary Investments</b>					
Restricted Cash and Other Cash Deposits (a)	\$ 197.6	\$ —	\$ —	\$ 17.1	\$ 214.7
Fixed Income Securities – Mutual Funds	123.3	—	—	—	123.3
Equity Securities – Mutual Funds (b)	50.5	—	—	—	50.5
<b>Total Other Temporary Investments</b>	<b>371.4</b>	<b>—</b>	<b>—</b>	<b>17.1</b>	<b>388.5</b>
<b>Risk Management Assets</b>					
Risk Management Commodity Contracts (c) (f)	4.0	440.1	369.2	(404.5)	408.8
Cash Flow Hedges					
Commodity Hedges (c)	—	15.0	3.2	(6.7)	11.5
Interest Rate Hedges	—	4.6	—	—	4.6
Fair Value Hedges	—	14.5	—	—	14.5
<b>Total Risk Management Assets</b>	<b>4.0</b>	<b>474.2</b>	<b>372.4</b>	<b>(411.2)</b>	<b>439.4</b>
<b>Spent Nuclear Fuel and Decommissioning Trusts</b>					
Cash and Cash Equivalents (e)	6.7	—	—	8.6	15.3
Fixed Income Securities:					
United States Government	—	1,112.5	—	—	1,112.5
Corporate Debt	—	72.4	—	—	72.4
State and Local Government	—	7.6	—	—	7.6
Subtotal Fixed Income Securities	—	1,192.5	—	—	1,192.5
Equity Securities – Domestic (b)	1,767.9	—	—	—	1,767.9
<b>Total Spent Nuclear Fuel and Decommissioning Trusts</b>	<b>1,774.6</b>	<b>1,192.5</b>	<b>—</b>	<b>8.6</b>	<b>2,975.7</b>
<b>Total Assets</b>	<b>\$ 2,150.0</b>	<b>\$ 1,666.7</b>	<b>\$ 372.4</b>	<b>\$ (385.5)</b>	<b>\$ 3,803.6</b>
<b>Liabilities:</b>					
<b>Risk Management Liabilities</b>					
Risk Management Commodity Contracts (c) (f)	\$ 3.8	\$ 450.0	\$ 224.0	\$ (438.8)	\$ 239.0
Cash Flow Hedges					
Commodity Hedges (c)	—	105.3	38.5	(6.7)	137.1
<b>Total Risk Management Liabilities</b>	<b>\$ 3.8</b>	<b>\$ 555.3</b>	<b>\$ 262.5</b>	<b>\$ (445.5)</b>	<b>\$ 376.1</b>

**AEP Texas**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

	Level 1	Level 2	Level 3	Other	Total
Assets:	(in millions)				
<b>Restricted Cash for Securitized Funding</b>	\$ 100.1	\$ —	\$ —	\$ —	\$ 100.1
<b>Liabilities:</b>					
<b>Risk Management Liabilities</b>					
Risk Management Commodity Contracts (c)	\$ —	\$ 12	\$ —	\$ (12)	\$ —

**December 31, 2019**

	Level 1	Level 2	Level 3	Other	Total
Assets:	(in millions)				
<b>Restricted Cash for Securitized Funding</b>	\$ 154.7	\$ —	\$ —	\$ —	\$ 154.7

**APCo**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

	Level 1	Level 2	Level 3	Other	Total
Assets:	(in millions)				
<b>Restricted Cash for Securitized Funding</b>	\$ 15.7	\$ —	\$ —	\$ —	\$ 15.7
<b>Risk Management Assets</b>					
Risk Management Commodity Contracts (c) (g)	—	55.0	17.1	(54.2)	17.9
Cash Flow Hedges:					
Interest Rate Hedges	—	0.3	—	—	0.3
<b>Total Risk Management Assets</b>	—	55.3	17.1	(54.2)	18.2
<b>Total Assets</b>	\$ 15.7	\$ 55.3	\$ 17.1	\$ (54.2)	\$ 33.9

**Liabilities:**

	Level 1	Level 2	Level 3	Other	Total
Liabilities:	(in millions)				
<b>Risk Management Liabilities</b>					
Risk Management Commodity Contracts (c) (g)	\$ —	\$ 58.8	\$ 10.5	\$ (59.5)	\$ 9.8
Cash Flow Hedges:					
Interest Rate Hedges	—	5.3	—	—	5.3
<b>Total Risk Management Liabilities</b>	\$ —	\$ 64.1	\$ 10.5	\$ (59.5)	\$ 15.1

**December 31, 2019**

	Level 1	Level 2	Level 3	Other	Total
Assets:	(in millions)				
<b>Restricted Cash for Securitized Funding</b>	\$ 23.5	\$ —	\$ —	\$ —	\$ 23.5
<b>Risk Management Assets</b>					
Risk Management Commodity Contracts (c) (g)	—	84.6	40.5	(85.6)	39.5
<b>Total Assets</b>	\$ 23.5	\$ 84.6	\$ 40.5	\$ (85.6)	\$ 63.0

**Liabilities:**

<b>Risk Management Liabilities</b>	<b>\$</b>	<b>—</b>	<b>\$</b>	<b>84.0</b>	<b>\$</b>	<b>2.8</b>	<b>\$</b>	<b>(84.9)</b>	<b>\$</b>	<b>1.9</b>
Risk Management Commodity Contracts (c) (g)										

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**I&M**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

	Level 1	Level 2	Level 3	Other	Total					
Assets:	(in millions)									
<b>Risk Management Assets</b>										
Risk Management Commodity Contracts (c) (g)										
	\$ —	\$ 38.1	\$ 4.9	\$ (36.2)	\$ 6.8					
<b>Spent Nuclear Fuel and Decommissioning Trusts</b>										
Cash and Cash Equivalents (e)	37.0	—	—	9.9	46.9					
Fixed Income Securities:										
United States Government	—	1,026.1	—	—	1,026.1					
Corporate Debt	—	62.7	—	—	62.7					
State and Local Government	—	149.7	—	—	149.7					
Subtotal Fixed Income Securities	—	1,238.5	—	—	1,238.5					
Equity Securities - Domestic (b)	1,393.8	—	—	—	1,393.8					
<b>Total Spent Nuclear Fuel and Decommissioning Trusts</b>	<b>1,430.8</b>	<b>1,238.5</b>	<b>—</b>	<b>9.9</b>	<b>2,679.2</b>					
<b>Total Assets</b>	<b>\$ 1,430.8</b>	<b>\$ 1,276.6</b>	<b>\$ 4.9</b>	<b>\$ (26.3)</b>	<b>\$ 2,686.0</b>					

**Liabilities:**

Risk Management Liabilities	Level 1	Level 2	Level 3	Other	Total
	(in millions)				
Risk Management Commodity Contracts (c) (g)	\$ —	\$ 36.2	\$ 2.8	\$ (37.2)	\$ 1.8

**December 31, 2019**

	Level 1	Level 2	Level 3	Other	Total					
Assets:	(in millions)									
<b>Risk Management Assets</b>										
Risk Management Commodity Contracts (c) (g)										
	\$ —	\$ 59.5	\$ 8.0	\$ (57.6)	\$ 9.9					
<b>Spent Nuclear Fuel and Decommissioning Trusts</b>										
Cash and Cash Equivalents (e)	6.7	—	—	8.6	15.3					
Fixed Income Securities:										
United States Government	—	1,112.5	—	—	1,112.5					
Corporate Debt	—	72.4	—	—	72.4					
State and Local Government	—	7.6	—	—	7.6					
Subtotal Fixed Income Securities	—	1,192.5	—	—	1,192.5					
Equity Securities - Domestic (b)	1,767.9	—	—	—	1,767.9					
<b>Total Spent Nuclear Fuel and Decommissioning Trusts</b>	<b>1,774.6</b>	<b>1,192.5</b>	<b>—</b>	<b>8.6</b>	<b>2,975.7</b>					
<b>Total Assets</b>	<b>\$ 1,774.6</b>	<b>\$ 1,252.0</b>	<b>\$ 8.0</b>	<b>\$ (49.0)</b>	<b>\$ 2,985.6</b>					

**Liabilities:**

Risk Management Liabilities	Level 1	Level 2	Level 3	Other	Total
	(in millions)				
Risk Management Commodity Contracts (c) (g)	\$ —	\$ 53.4	\$ 2.2	\$ (55.1)	\$ 0.5

**OPCo**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

<b>Liabilities:</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Other</b>	<b>Total</b>
	(in millions)				
<b>Risk Management Liabilities</b>					

Risk Management Commodity Contracts (c) (g)	\$ —	\$ 0.9	\$ 120.9	\$ (0.9)	\$ 120.9
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**December 31, 2019**

<b>Liabilities:</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Other</b>	<b>Total</b>
	(in millions)				
<b>Risk Management Liabilities</b>					

Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 103.6	\$ —	\$ 103.6
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**PSO**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

<b>Assets:</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Other</b>	<b>Total</b>
	(in millions)				
<b>Risk Management Assets</b>					

Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 6.7	\$ (0.3)	\$ 6.4
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**Liabilities:**

<b>Risk Management Liabilities</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Other</b>	<b>Total</b>
<b>Assets:</b>	(in millions)				
<b>Risk Management Assets</b>					

Risk Management Commodity Contracts (c) (g)	\$ —	\$ 0.5	\$ 0.4	\$ (0.8)	\$ 0.1
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**December 31, 2019**

<b>Assets:</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Other</b>	<b>Total</b>
	(in millions)				
<b>Risk Management Assets</b>					

Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 16.3	\$ (0.5)	\$ 15.8
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**Liabilities:**

<b>Risk Management Liabilities</b>	<b>Level 1</b>	<b>Level 2</b>	<b>Level 3</b>	<b>Other</b>	<b>Total</b>
<b>Assets:</b>	(in millions)				
<b>Risk Management Assets</b>					

Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 0.5	\$ (0.5)	\$ —
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**SWEPCo**

**Assets and Liabilities Measured at Fair Value on a Recurring Basis**  
**March 31, 2020**

	Level 1	Level 2	Level 3	Other	Total
<b>Assets:</b>					
(in millions)					
<b>Risk Management Assets</b>					
Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 2.7	\$ (0.1)	\$ 2.6

**Liabilities:**

	Level 1	Level 2	Level 3	Other	Total
<b>Risk Management Liabilities</b>					
(in millions)					
Risk Management Commodity Contracts (c) (g)	\$ —	\$ 0.6	\$ 5.2	\$ (0.7)	\$ 5.1

**December 31, 2019**

	Level 1	Level 2	Level 3	Other	Total
<b>Assets:</b>					
(in millions)					
<b>Risk Management Assets</b>					
Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 6.5	\$ (0.1)	\$ 6.4

**Liabilities:**

	Level 1	Level 2	Level 3	Other	Total
<b>Risk Management Liabilities</b>					
(in millions)					
Risk Management Commodity Contracts (c) (g)	\$ —	\$ —	\$ 5.1	\$ (0.1)	\$ 5.0

- (a) Amounts in "Other" column primarily represent cash deposits in bank accounts with financial institutions or third-parties. Level 1 and Level 2 amounts primarily represent investments in money market funds.
- (b) Amounts represent publicly traded equity securities and equity-based mutual funds.
- (c) Amounts in "Other" column primarily represent counterparty netting of risk management and hedging contracts and associated cash collateral under the accounting guidance for "Derivatives and Hedging".
- (d) The March 31, 2020 maturity of the net fair value of risk management contracts prior to cash collateral, assets/(liabilities), is as follows: Level 1 matures \$1 million in periods 2021-2023, Level 2 matures \$(30) million in 2020, \$(9) million in periods 2021-2023 and \$(1) million in periods 2024-2025; Level 3 matures \$37 million in 2020, \$36 million in periods 2021-2023, \$25 million in periods 2024-2025 and \$(20) million in periods 2026-2032. Risk management commodity contracts are substantially comprised of power contracts.
- (e) Amounts in "Other" column primarily represent accrued interest receivables from financial institutions. Level 1 amounts primarily represent investments in money market funds.
- (f) The December 31, 2019 maturity of the net fair value of risk management contracts prior to cash collateral, assets/(liabilities), is as follows: Level 1 matures \$(7) million in 2020 and \$(3) million in periods 2021-2023, Level 3 matures \$96 million in 2020, \$36 million in periods 2021-2023, \$25 million in periods 2024-2025 and \$(12) million in periods 2026-2032. Risk management commodity contracts are substantially comprised of power contracts.
- (g) Substantially comprised of power contracts for the Registrant Subsidiaries

The following tables set forth a reconciliation of changes in the fair value of net trading derivatives classified as Level 3 in the fair value hierarchy:

<b>Three Months Ended March 31, 2020</b>	<b>AEP</b>	<b>APCo</b>	<b>I&amp;M</b>	<b>OPCo</b>	<b>PSO</b>	<b>SWEPCo</b>
(in millions)						
<b>Balance as of December 31, 2019</b>	\$ 109.9	\$ 37.7	\$ 5.8	\$ (103.6)	\$ 15.8	\$ 1.4
Realized Gain (Loss) Included in Net Income (or Changes in Net Assets) (a) (b)	0.9	(9.2)	0.2	(0.3)	8.0	1.9
Unrealized Gain (Loss) Included in Net Income (or Changes in Net Assets) Relating to Assets Still Held at the Reporting Date (a)	10.9	—	—	—	—	—
Realized and Unrealized Gains (Losses) Included in Other Comprehensive Income (c)	(4.1)	—	—	—	—	—
Settlements	(59.2)	(21.9)	(4.0)	2.5	(17.7)	(5.3)
Transfers into Level 3 (d) (e)	(0.5)	—	—	—	—	—
Transfers out of Level 3 (e)	5.3	0.7	0.4	—	—	—
Changes in Fair Value Allocated to Regulated Jurisdictions (f)	(20.7)	(0.7)	(0.3)	(19.5)	0.2	(0.5)
<b>Balance as of March 31, 2020</b>	<b>\$ 42.5</b>	<b>\$ 6.6</b>	<b>\$ 2.1</b>	<b>\$ (120.9)</b>	<b>\$ 6.3</b>	<b>\$ (2.5)</b>

<b>Three Months Ended March 31, 2019</b>	<b>AEP</b>	<b>APCo</b>	<b>I&amp;M</b>	<b>OPCo</b>	<b>PSO</b>	<b>SWEPCo</b>
(in millions)						
<b>Balance as of December 31, 2018</b>	\$ 131.2	\$ 57.8	\$ 8.9	\$ (99.4)	\$ 9.5	\$ 2.3
Realized Gain (Loss) Included in Net Income (or Changes in Net Assets) (a) (b)	(23.0)	(29.0)	—	(0.4)	6.8	3.3
Unrealized Gain (Loss) Included in Net Income (or Changes in Net Assets) Relating to Assets Still Held at the Reporting Date (a)	8.5	—	—	—	—	—
Realized and Unrealized Gains (Losses) Included in Other Comprehensive Income (c)	(15.8)	—	—	—	—	—
Settlements	(54.5)	(17.8)	(5.1)	1.8	(13.0)	(7.3)
Transfers into Level 3 (d) (e)	0.1	—	—	—	—	—
Transfers out of Level 3 (e)	(1.2)	(0.7)	(0.4)	—	—	—
Changes in Fair Value Allocated to Regulated Jurisdictions (f)	(7.2)	(2.9)	1.0	(8.1)	1.1	1.7
<b>Balance as of March 31, 2019</b>	<b>\$ 38.1</b>	<b>\$ 7.4</b>	<b>\$ 4.4</b>	<b>\$ (106.1)</b>	<b>\$ 4.4</b>	<b>\$ —</b>

- (a) Included in revenues on the statements of income
- (b) Represents the change in fair value between the beginning of the reporting period and the settlement of the risk management commodity contract
- (c) Included in cash flow hedges on the statements of comprehensive income
- (d) Represents existing assets or liabilities that were previously categorized as Level 2.
- (e) Transfers are recognized based on their value at the beginning of the reporting period that the transfer occurred.
- (f) Relates to the net gains (losses) of those contracts that are not reflected on the statements of income. These net gains (losses) are recorded as regulatory assets/liabilities or accounts payable.

The following tables quantify the significant unobservable inputs used in developing the fair value of Level 3 positions:

**AEP**

**Significant Unobservable Inputs**  
**March 31, 2020**

	<b>Fair Value</b>		<b>Valuation Technique</b>	<b>Significant Unobservable Input</b>	<b>Input/Range</b>			<b>Weighted Average (c)</b>
	<b>Assets</b>	<b>Liabilities</b>			<b>Low</b>	<b>High</b>		
	<b>(in millions)</b>							
Energy Contracts	\$ 321.2	\$ 284.6	Discounted Cash Flow	Forward Market Price (a)	\$ (0.05)	\$ 135.24	\$ 29.17	
Natural Gas Contracts	—	5.1	Discounted Cash Flow	Forward Market Price (b)	1.37	2.51	2.13	
FTRs	29.1	18.1	Discounted Cash Flow	Forward Market Price (a)	(10.12)	4.17	(0.31)	
<b>Total</b>	<b>\$ 350.3</b>	<b>\$ 307.8</b>						

**December 31, 2019**

	<b>Fair Value</b>		<b>Valuation Technique</b>	<b>Significant Unobservable Input</b>	<b>Input/Range</b>			<b>Weighted Average (c)</b>
	<b>Assets</b>	<b>Liabilities</b>			<b>Low</b>	<b>High</b>		
	<b>(in millions)</b>							
Energy Contracts	\$ 296.7	\$ 249.3	Discounted Cash Flow	Forward Market Price (a)	\$ (0.05)	\$ 177.30	\$ 31.31	
Natural Gas Contracts	—	4.9	Discounted Cash Flow	Forward Market Price (b)	1.89	2.51	2.19	
FTRs	75.7	8.3	Discounted Cash Flow	Forward Market Price (a)	(8.52)	9.34	0.42	
<b>Total</b>	<b>\$ 372.4</b>	<b>\$ 262.5</b>						

**APCo**

**Significant Unobservable Inputs**  
**March 31, 2020**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
Energy Contracts	\$ 5.3	\$ 2.2	Discounted Cash Flow	Forward Market Price	\$ 9.95	\$ 42.15	\$ 21.81	
FTRs	11.8	8.3	Discounted Cash Flow	Forward Market Price	—	3.44	0.42	
<b>Total</b>	<b>\$ 17.1</b>	<b>\$ 10.5</b>						

**December 31, 2019**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
Energy Contracts	\$ 5.7	\$ 2.6	Discounted Cash Flow	Forward Market Price	\$ 12.70	\$ 41.20	\$ 25.92	
FTRs	34.8	0.2	Discounted Cash Flow	Forward Market Price	(0.14)	7.08	1.70	
<b>Total</b>	<b>\$ 40.5</b>	<b>\$ 2.8</b>						

**I&M**

**Significant Unobservable Inputs**  
**March 31, 2020**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
Energy Contracts	\$ 3.2	\$ 1.3	Discounted Cash Flow	Forward Market Price	\$ 9.95	\$ 42.15	\$ 21.81	
FTRs	1.7	1.5	Discounted Cash Flow	Forward Market Price	(0.51)	2.77	0.12	
<b>Total</b>	<b>\$ 4.9</b>	<b>\$ 2.8</b>						

**December 31, 2019**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
Energy Contracts	\$ 3.4	\$ 1.5	Discounted Cash Flow	Forward Market Price	\$ 12.70	\$ 41.20	\$ 25.92	
FTRs	4.6	0.7	Discounted Cash Flow	Forward Market Price	(0.75)	4.07	0.74	
<b>Total</b>	<b>\$ 8.0</b>	<b>\$ 2.2</b>						

**OPCo**

**Significant Unobservable Inputs**  
**March 31, 2020**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
Energy Contracts	\$ —	\$ 120.9	Discounted Cash Flow	Forward Market Price	\$ 12.57	\$ 42.71	\$ 26.31	

**December 31, 2019**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
Energy Contracts	\$ —	\$ 103.6	Discounted Cash Flow	Forward Market Price	\$ 29.23	\$ 61.43	\$ 42.46	

**PSO**

**Significant Unobservable Inputs**  
**March 31, 2020**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
FTRs	\$ 6.7	\$ 0.4	Discounted Cash Flow	Forward Market Price	\$ (7.07)	\$ 0.95	\$ (2.38)	

**December 31, 2019**

	Fair Value		Valuation Technique	Significant Unobservable Input (a)	Input/Range			Weighted Average (c)
	Assets	Liabilities			Low	High		
	(in millions)							
FTRs	\$ 16.3	\$ 0.5	Discounted Cash Flow	Forward Market Price	\$ (8.52)	\$ 0.85	\$ (2.31)	

**SWEPCo**

**Significant Unobservable Inputs**  
**March 31, 2020**

	<b>Fair Value</b>		<b>Valuation Technique</b>	<b>Significant Unobservable Input</b>	<b>Input/Range</b>		
	<b>Assets</b>	<b>Liabilities</b>			<b>Low</b>	<b>High</b>	<b>Weighted Average (c)</b>
	<b>(in millions)</b>						
Natural Gas Contracts	\$ —	\$ 5.1	Discounted Cash Flow	Forward Market Price (b)	\$ 1.37	\$ 2.51	\$ 2.13
FTRs	2.7	0.1	Discounted Cash Flow	Forward Market Price (a)	(7.07)	0.95	(2.38)
<b>Total</b>	<b>\$ 2.7</b>	<b>\$ 5.2</b>					

**December 31, 2019**

	<b>Fair Value</b>		<b>Valuation Technique</b>	<b>Significant Unobservable Input</b>	<b>Input/Range</b>		
	<b>Assets</b>	<b>Liabilities</b>			<b>Low</b>	<b>High</b>	<b>Weighted Average (c)</b>
	<b>(in millions)</b>						
Natural Gas Contracts	\$ —	\$ 4.9	Discounted Cash Flow	Forward Market Price (b)	\$ 1.89	\$ 2.51	\$ 2.18
FTRs	6.5	0.2	Discounted Cash Flow	Forward Market Price (a)	(8.52)	0.85	(2.31)
<b>Total</b>	<b>\$ 6.5</b>	<b>\$ 5.1</b>					

- (a) Represents market prices in dollars per MWh.
- (b) Represents market prices in dollars per MMBtu.
- (c) The weighted average is the product of the forward market price of the underlying commodity and volume weighted by term.

The following table provides the measurement uncertainty of fair value measurements to increases (decreases) in significant unobservable inputs related to Energy Contracts, Natural Gas Contracts and FTRs for the Registrants as of March 31, 2020 and December 31, 2019:

**Uncertainty of Fair Value Measurements**

<b>Significant Unobservable Input</b>	<b>Position</b>	<b>Change in Input</b>	<b>Impact on Fair Value Measurement</b>
Forward Market Price	Buy	Increase (Decrease)	Higher (Lower)
Forward Market Price	Sell	Increase (Decrease)	Lower (Higher)

## **11. INCOME TAXES**

The disclosures in this note apply to all Registrants unless indicated otherwise.

### ***Federal Legislation***

In March 2020, the "Coronavirus Aid, Relief, and Economic Security Act" (CARES Act) was signed into law. The CARES Act includes several significant changes to the Internal Revenue Code that will have an impact on the Registrants. The CARES Act includes certain tax relief provisions applicable to the Registrants including a) the immediate refund of the corporate Alternative Minimum Tax credit, b) the ability to carryback net operating losses five years for tax years 2018 through 2020 and c) delayed payment of employer payroll taxes. As of March 31, 2020, AEP, OPCo and APCo have a \$20 million, \$9 million and \$7 million AMT credit refund recorded, respectively, in anticipation of a refund from the U.S. Treasury. AEP was most recently a taxpayer in 2014 and management is currently evaluating the ability to recover cash taxes paid in 2014 under the 5-year net operating loss carryback provision.

### ***Effective Tax Rates (ETR)***

The Registrants' interim ETR reflect the estimated annual ETR for 2020 and 2019, adjusted for tax expense associated with certain discrete items. The interim ETR differ from the federal statutory tax rate of 21% primarily due to amortization of Excess ADIT, tax credits and other book/tax differences which are accounted for on a flow-through basis.

The Registrants include the amortization of Excess ADIT not subject to normalization requirements in the annual estimated ETR when regulatory proceedings instruct the Registrants to provide the benefits of Tax Reform to customers over multiple interim periods. Certain regulatory proceedings instruct the Registrants to provide the benefits of Tax Reform to customers in a single period (e.g. by applying the Excess ADIT not subject to normalization requirements against an existing regulatory asset balance) and in these circumstances, the Registrants recognize the tax benefit discretely in the period recorded. The annual amount of Excess ADIT approved by the Registrant's regulatory commissions may not impact the ETR ratably during each interim period due to the variability of pretax book income between interim periods and the application of an annual estimated ETR.

The ETR for each of the Registrants are included in the following tables:

	Three Months Ended March 31, 2020							
	AEP	AEP Texas	AEPTCo	APCo	I&M	OPCo	PSO	SWEPCo
U S Federal Statutory Rate	21 0 %	21 0 %	21 0 %	21 0 %	21 0 %	21 0 %	21 0 %	21 0 %
Increase (decrease) due to								
State Income Tax, net of Federal benefit	2 5 %	1 5 %	2 9 %	3.0 %	3 2 %	0 7 %	4 6 %	2 7 %
Tax Reform Excess ADIT Reversal	(9 4)%	(6 2)%	0 4 %	(13 0)%	(19 6)%	(10 2)%	(23 1)%	(94 7)%
Production and Investment Tax Credits	(4 3)%	(0 4)%	— %	— %	(1 9)%	— %	(1 3)%	(0 5)%
Flow Through	0 5 %	0 1 %	0 5 %	1 5 %	0 2 %	1 0 %	0 6 %	(1 0)%
AFUDC Equity	(1 4)%	(2 6)%	(2 6)%	(1 0)%	(1 1)%	(1 0)%	(0 7)%	(0.4)%
Parent Company Loss Benefit	— %	(0 2)%	(0 9)%	(3 3)%	(3 9)%	(0 1)%	(2 2)%	(2 4)%
Discrete Tax Adjustments	— %	— %	— %	— %	2 7 %	— %	— %	— %
Other	(0 4)%	0 3 %	— %	0 1 %	(0 2)%	— %	0 1 %	7 2 %
Effective Income Tax Rate	<u>8 5 %</u>	<u>13 5 %</u>	<u>21 3 %</u>	<u>8 3 %</u>	<u>0 4 %</u>	<u>11 4 %</u>	<u>(1 0)%</u>	<u>(68 1)%</u>

**Three Months Ended March 31, 2019**

	AEP	AEP Texas	AEPTCo	APCo	I&M	OPCo	PSO	SWEPCo
U S Federal Statutory Rate	21 0 %	21.0 %	21 0 %	21 0 %	21 0 %	21 0 %	21 0 %	21 0 %
Increase (decrease) due to								
State Income Tax, net of Federal benefit	2.1 %	1 5 %	2 9 %	3 4 %	2.0 %	0 9 %	4 6 %	0 2 %
Tax Reform Excess ADIT Reversal	(13.6)%	(7.6)%	0 4 %	(42.2)%	(17.4)%	(7.6)%	(21.9)%	(17.0)%
Production and Investment Tax Credits	(2.2)%	(1.0)%	— %	— %	(2.0)%	— %	(1.7)%	(0.8)%
Flow Through	(0.2)%	0 3 %	0 2 %	(0.9)%	(2.4)%	0 7 %	0 6 %	(0.9)%
AFUDC Equity	(1.4)%	(1.6)%	(2.5)%	(1.0)%	(1.9)%	(0.7)%	(0.4)%	(1.1)%
Parent Company Loss	— %	(2.3)%	(1.0)%	(2.4)%	(1.8)%	(1.1)%	(1.8)%	(0.5)%
Discrete Tax Adjustments	1 7 %	— %	— %	0 4 %	— %	— %	— %	— %
Other	(0.2)%	0 1 %	(0.1)%	(0.3)%	(0.3)%	0 2 %	0 2 %	1 5 %
<b>Effective Income Tax Rate</b>	<b>7.2 %</b>	<b>10.4 %</b>	<b>20.9 %</b>	<b>(22.0)%</b>	<b>(2.8)%</b>	<b>13.4 %</b>	<b>0.6 %</b>	<b>2.4 %</b>

**Federal and State Income Tax Audit Status**

AEP and subsidiaries are no longer subject to U.S. federal examination by the IRS for all years through 2015. During the third quarter of 2019, AEP and subsidiaries elected to amend the 2014 and 2015 federal returns and as such the IRS may examine only the amended items on the 2014 and 2015 federal returns.

## **12. FINANCING ACTIVITIES**

The disclosures in this note apply to all Registrants, unless indicated otherwise.

### ***Long-term Debt Outstanding (Applies to AEP)***

The following table details long-term debt outstanding, net of issuance costs and premiums or discounts:

Type of Debt	March 31, 2020		December 31, 2019
	(in millions)		
Senior Unsecured Notes	\$ 22,515.8	\$ 21,180.7	
Pollution Control Bonds	1,999.2	1,998.8	
Notes Payable	209.4	234.3	
Securitization Bonds	899.1	1,025.1	
Spent Nuclear Fuel Obligation (a)	280.9	279.8	
Junior Subordinated Notes (b)	788.6	787.8	
Other Long-term Debt	1,199.7	1,219.0	
<b>Total Long-term Debt Outstanding</b>	<b>27,892.7</b>	<b>26,725.5</b>	
<b>Long-term Debt Due Within One Year</b>	<b>2,109.7</b>	<b>1,598.7</b>	
<b>Long-term Debt</b>	<b>\$ 25,783.0</b>	<b>\$ 25,126.8</b>	

- (a) Pursuant to the Nuclear Waste Policy Act of 1982, I&M, a nuclear licensee, has an obligation to the United States Department of Energy for SNF disposal. The obligation includes a one-time fee for nuclear fuel consumed prior to April 7, 1983. Trust fund assets related to this obligation were \$324 million and \$323 million as of March 31, 2020 and December 31, 2019, respectively, and are included in Spent Nuclear Fuel and Decommissioning Trusts on the balance sheets.
- (b) See "Equity Units" section below for additional information.

### ***Long-term Debt Activity***

Long-term debt and other securities issued, retired and principal payments made during the first three months of 2020 are shown in the following tables:

Company	Type of Debt	Principal		Interest Rate	Due Date
		Amount (a)	(in millions)		
<b>Issuances:</b>					
AEP	Senior Unsecured Notes	\$ 400.0	2.30		2030
AEP	Senior Unsecured Notes	400.0	3.25		2050
OPCo	Senior Unsecured Notes	350.0	2.60		2030
<b>Non-Registrant:</b>					
KPCo	Other Long-term Debt	125.0	Variable		2022
Transource Energy	Other Long-term Debt	5.0	Variable		2023
Transource Energy	Senior Unsecured Notes	150.0	2.75		2050
<b>Total Issuances</b>		<b>\$ 1,430.0</b>			

- (a) Amounts indicated on the statements of cash flows are net of issuance costs and premium or discount and will not tie to the issuance amounts.

Company	Type of Debt	Principal Amount Paid (in millions)	Interest Rate (%)	Due Date
<b>Retirements and Principal Payments:</b>				
AEP Texas	Securitization Bonds	\$ 111.0	5.31	2020
AEP Texas	Securitization Bonds	3.3	2.06	2025
APCo	Securitization Bonds	12.2	2.01	2023
I&M	Notes Payable	0.7	Variable	2020
I&M	Notes Payable	1.5	Variable	2021
I&M	Notes Payable	5.1	Variable	2022
I&M	Notes Payable	3.8	Variable	2022
I&M	Notes Payable	6.2	Variable	2023
I&M	Notes Payable	6.0	Variable	2024
I&M	Other Long-term Debt	0.4	6.00	2025
PSO	Other Long-term Debt	0.1	3.00	2027
SWEPCo	Notes Payable	1.6	4.58	2032
<i>Non-Registrant</i>				
Transource Energy	Other Long-term Debt	148.6	Variable	2023
<b>Total Retirements and Principal Payments</b>		<b>\$ 300.5</b>		

#### **Long-term Debt Subsequent Events**

In April 2020, AEPTCo issued \$525 million of 3.65% Senior Unsecured Notes due in 2050.

In April and May 2020, I&M retired \$8 million and \$1 million, respectively, of Notes Payable related to DCC Fuel.

In April 2020, Transource Energy issued \$1 million of variable rate Other Long-term Debt due in 2023.

#### **Equity Units (Applies to AEP)**

In March 2019, AEP issued 16.1 million Equity Units initially in the form of corporate units, at a stated amount of \$50 per unit, for a total stated amount of \$805 million. Net proceeds from the issuance were approximately \$785 million. The proceeds were used to support AEP's overall capital expenditure plans including the acquisition of Sempra Renewables LLC.

Each corporate unit represents a 1/20 undivided beneficial ownership interest in \$1,000 principal amount of AEP's 3.40% Junior Subordinated Notes (notes) due in 2024 and a forward equity purchase contract which settles after three years in 2022. The notes are expected to be remarketed in 2022, at which time the interest rate will reset at the then current market rate. Investors may choose to remarket their notes to receive the remarketing proceeds and use those funds to settle the forward equity purchase contract, or accept the remarketed debt and use other funds for the equity purchase. If the remarketing is unsuccessful, investors have the right to put their notes to AEP at a price equal to the principal. The Equity Units carry an annual distribution rate of 6.125%, which is comprised of a quarterly coupon rate of interest of 3.40% and a quarterly forward equity purchase contract payment of 2.725%.

Each forward equity purchase contract obligates the holder to purchase, and AEP to sell, for \$50 a number of shares in common stock in accordance with the conversion ratios set forth below (subject to an anti-dilution adjustment):

- If the AEP common stock market price is equal to or greater than \$99.58: 0.5021 shares per contract.
- If the AEP common stock market price is less than \$99.58 but greater than \$82.98: a number of shares per contract equal to \$50 divided by the applicable market price. The holder receives a variable number of shares at \$50.
- If the AEP common stock market price is less than or equal to \$82.98: 0.6026 shares per contract.

A holder's ownership interest in the notes is pledged to AEP to secure the holder's obligation under the related forward equity purchase contract. If a holder of the forward equity purchase contract chooses at any time to no longer be a holder of the notes, such holder's obligation under the forward equity purchase contract must be secured by a U.S. Treasury security which must be equal to the aggregate principal amount of the notes.

At the time of issuance, the \$805 million of notes were recorded within Long-term Debt on the balance sheets. The present value of the purchase contract payments of \$62 million were recorded in Deferred Credits and Other Noncurrent Liabilities with a current portion in Other Current Liabilities at the time of issuance, representing the obligation to make forward equity contract payments, with an offsetting reduction to Paid-in Capital. The difference between the face value and present value of the purchase contract payments will be accreted to Interest Expense on the statements of income over the three year period ending in 2022. The liability recorded for the contract payments is considered non-cash and excluded from the statements of cash flows. Until settlement of the forward equity purchase contract, earnings per share dilution resulting from the equity unit issuance will be determined under the treasury stock method. The maximum amount of shares AEP will be required to issue to settle the purchase contract is 9,701,860 shares (subject to an anti-dilution adjustment).

#### ***Debt Covenants (Applies to AEP and AEPTCo)***

Covenants in AEPTCo's note purchase agreements and indenture limit the amount of contractually-defined priority debt (which includes a further sub-limit of \$50 million of secured debt) to 10% of consolidated tangible net assets. AEPTCo's contractually-defined priority debt was 3.3% of consolidated tangible net assets as of March 31, 2020. The method for calculating the consolidated tangible net assets is contractually-defined in the note purchase agreements.

#### ***Dividend Restrictions***

##### ***Utility Subsidiaries' Restrictions***

Parent depends on its utility subsidiaries to pay dividends to shareholders. AEP utility subsidiaries pay dividends to Parent provided funds are legally available. Various financing arrangements and regulatory requirements may impose certain restrictions on the ability of the subsidiaries to transfer funds to Parent in the form of dividends.

All of the dividends declared by AEP's utility subsidiaries that provide transmission or local distribution services are subject to a Federal Power Act restriction that prohibits the payment of dividends out of capital accounts without regulatory approval; payment of dividends is allowed out of retained earnings only. The Federal Power Act also creates a reserve on earnings attributable to hydroelectric generation plants. Because of their ownership of such plants, this reserve applies to AGR, APCo and I&M.

Certain AEP subsidiaries have credit agreements that contain covenants that limit their debt to capitalization ratio to 67.5%. The method for calculating outstanding debt and capitalization is contractually-defined in the credit agreements.

The Federal Power Act restriction does not limit the ability of the AEP subsidiaries to pay dividends out of retained earnings.

##### ***Parent Restrictions (Applies to AEP)***

The holders of AEP's common stock are entitled to receive the dividends declared by the Board of Directors provided funds are legally available for such dividends. Parent's income primarily derives from common stock equity in the earnings of its utility subsidiaries.

Pursuant to the leverage restrictions in credit agreements, AEP must maintain a percentage of debt to total capitalization at a level that does not exceed 67.5%. The method for calculating outstanding debt and capitalization is contractually-defined in the credit agreements.

**Corporate Borrowing Program - AEP System (Applies to Registrant Subsidiaries)**

The AEP System uses a corporate borrowing program to meet the short-term borrowing needs of AEP's subsidiaries. The corporate borrowing program includes a Utility Money Pool, which funds AEP's utility subsidiaries; a Nonutility Money Pool, which funds certain AEP nonutility subsidiaries; and direct borrowing from AEP. The AEP System Utility Money Pool operates in accordance with the terms and conditions of its agreement filed with the FERC. The amounts of outstanding loans to (borrowings from) the Utility Money Pool as of March 31, 2020 and December 31, 2019 are included in Advances to Affiliates and Advances from Affiliates, respectively, on the Registrant Subsidiaries' balance sheets. The Utility Money Pool participants' activity and corresponding authorized borrowing limits for the three months ended March 31, 2020 are described in the following table:

Company	Maximum Borrowings from the Utility Money Pool		Average Borrowings from the Utility Money Pool		Net Borrowings from the Utility Money Pool as of March 31, 2020		Authorized Short-term Borrowing Limit
	Maximum Loans to the Utility Money Pool	Average Loans to the Utility Money Pool	Maximum Loans to the Utility Money Pool	Average Loans to the Utility Money Pool	March 31, 2020		
(in millions)							
AEP Texas	\$ 63.9	\$ 199.7	\$ 39.0	\$ 90.3	\$ (63.9)	\$ 500.0	
AEPTCo	358.4	69.8	257.6	32.6	(261.0)	820.0	(a)
APCo	373.5	22.2	303.1	22.0	(333.5)	500.0	
I&M	147.5	13.3	108.4	13.3	(90.4)	500.0	
OPCo	353.9	32.8	191.5	25.2	(29.4)	500.0	
PSO	70.9	57.1	25.3	28.4	(70.9)	300.0	
SWEPCo	152.8	—	105.5	—	(148.1)	350.0	

(a) Amount represents the combined authorized short-term borrowing limit the State Transcos have from FERC or state regulatory commissions

The activity in the above table does not include short-term lending activity of certain AEP nonutility subsidiaries. AEP Texas' wholly-owned subsidiary, AEP Texas North Generation Company, LLC and SWEPCo's wholly-owned subsidiary, Mutual Energy SWEPCo, LLC participate in the Nonutility Money Pool. The amounts of outstanding loans to the Nonutility Money Pool as of March 31, 2020 and December 31, 2019 are included in Advances to Affiliates on the subsidiaries' balance sheets. The Nonutility Money Pool participants' activity for the three months ended March 31, 2020 is described in the following table:

Company	Maximum Loans to the Nonutility Money Pool		Average Loans to the Nonutility Money Pool		Loans to the Nonutility Money Pool as of March 31, 2020	
	Maximum Money Pool	Average Money Pool	Maximum Money Pool	Average Money Pool	March 31, 2020	
(in millions)						
AEP Texas	\$ 7.5	\$ 7.2	\$ 7.2	\$ 7.1		
SWEPCo	2.1	2.1	2.1	2.1		

AEP has a direct financing relationship with AEPTCo to meet its short-term borrowing needs. The amounts of outstanding loans to and borrowings from AEP as of March 31, 2020 and December 31, 2019 are included in Advances to Affiliates and Advances from Affiliates, respectively, on AEPTCo's balance sheets. AEPTCo's direct borrowing and lending activity with AEP and corresponding authorized borrowing limit for the three months ended March 31, 2020 are described in the following table:

Maximum Borrowings from AEP	Maximum Loans to AEP	Average Borrowings from AEP		Average Loans to AEP		Borrowings from AEP as of March 31, 2020	Loans to AEP as of March 31, 2020	Authorized Short-term Borrowing Limit
		Maximum Borrowings from AEP	Average Borrowings from AEP	Maximum Loans to AEP	Average Loans to AEP			
(in millions)								
\$ 14	\$ 190.3	\$ 14	\$ 125.1	\$ 1.3	\$ 93.3			\$ 50.0 (a)

(a) Amount represents the combined authorized short-term borrowing limit the State Transcos have from FERC or state regulatory commissions.

The maximum and minimum interest rates for funds either borrowed from or loaned to the Utility Money Pool are summarized in the following table:

	<b>Three Months Ended March 31,</b>	
	<b>2020</b>	<b>2019</b>
Maximum Interest Rate	2.24%	3.02%
Minimum Interest Rate	1.76%	2.73%

The average interest rates for funds borrowed from and loaned to the Utility Money Pool are summarized for all Registrant Subsidiaries in the following table:

Company	<b>Average Interest Rate for Funds Borrowed from the Utility Money Pool for Three Months Ended March 31,</b>			<b>Average Interest Rate for Funds Loaned to the Utility Money Pool for Three Months Ended March 31,</b>		
	2020	2019		2020	2019	
AEP Texas	2.05%	2.86%		1.97%	—%	
AEPTCo	1.95%	2.83%		1.91%	2.90%	
APCo	1.95%	2.92%		1.94%	2.79%	
I&M	1.95%	2.80%		1.94%	2.87%	
OPCo	1.90%	2.85%		2.06%	—%	
PSO	2.00%	2.89%		1.95%	—%	
SWEPCo	1.95%	2.81%		—%	2.97%	

Maximum, minimum and average interest rates for funds loaned to the Nonutility Money Pool are summarized in the following table:

Company	<b>Three Months Ended March 31, 2020</b>			<b>Three Months Ended March 31, 2019</b>		
	Maximum Interest Rate for Funds Loaned to the Nonutility Money Pool	Minimum Interest Rate for Funds Loaned to the Nonutility Money Pool	Average Interest Rate for Funds Loaned to the Nonutility Money Pool	Maximum Interest Rate for Funds Loaned to the Nonutility Money Pool	Minimum Interest Rate for Funds Loaned to the Nonutility Money Pool	Average Interest Rate for Funds Loaned to the Nonutility Money Pool
	2020	2019	2020	2020	2019	2019
AEP Texas	2.24%	1.76%	1.94%	3.02%	2.73%	2.87%
SWEPCo	2.24%	1.76%	1.94%	3.02%	2.73%	2.87%

AEPTCo's maximum, minimum and average interest rates for funds either borrowed from or loaned to AEP are summarized in the following table:

Three Months Ended March 31,	Maximum Interest Rate	Minimum Interest Rate	Maximum Interest Rate	Minimum Interest Rate	Average Interest Rate	Average Interest Rate
	for Funds Borrowed from AEP	for Funds Borrowed from AEP	for Funds Loaned to AEP	for Funds Loaned to AEP	for Funds Borrowed from AEP	for Funds Loaned to AEP
	2020	2.24%	1.76%	2.24%	1.76%	1.94%
	2019	3.02%	2.73%	3.02%	2.73%	2.86%

**Short-term Debt (Applies to AEP and SWEPCo)**

Outstanding short-term debt was as follows:

Company	Type of Debt	March 31, 2020		December 31, 2019	
		Outstanding Amount	Interest Rate (a)	Outstanding Amount	Interest Rate (a)
		(dollars in millions)			
AEP	Securitized Debt for Receivables (b)	\$ 724.0	1.75%	\$ 710.0	2.42%
AEP	Commercial Paper	2,709.6	2.24%	2,110.0	2.10%
AEP	364-Day Term Loan	1,000.0	1.53%	—	—%
SWEPCo	Notes Payable	30.5	2.98%	18.3	3.29%
<b>Total Short-term Debt</b>		<b>\$ 4,464.1</b>		<b>\$ 2,838.3</b>	

(a) Weighted-average rate

(b) Amount of securitized debt for receivables as accounted for under the "Transfers and Servicing" accounting guidance.

**Credit Facilities**

For a discussion of credit facilities, see "Letters of Credit" section of Note 5.

**Securitized Accounts Receivables – AEP Credit (Applies to AEP)**

AEP Credit has a receivables securitization agreement that provides a commitment of \$750 million from bank conduits to purchase receivables and expires in July 2021. Under the securitization agreement, AEP Credit receives financing from the bank conduits for the interest in the receivables AEP Credit acquires from affiliated utility subsidiaries. These securitized transactions allow AEP Credit to repay its outstanding debt obligations, continue to purchase the operating companies' receivables and accelerate AEP Credit's cash collections. Accounts receivable information for AEP Credit was as follows:

	Three Months Ended March 31,	
	2020	2019
	(dollars in millions)	
Effective Interest Rates on Securitization of Accounts Receivable	1.75%	2.71%
Net Uncollectible Accounts Receivable Written-Off	\$ 4.2	\$ 6.4

	March 31, 2020		December 31, 2019	
	(in millions)			
Accounts Receivable Retained Interest and Pledged as Collateral Less Uncollectible Accounts	\$ 850.7	\$ 841.8		
Short-term – Securitized Debt of Receivables	724.0	710.0		
Delinquent Securitized Accounts Receivable	43.4	39.6		
Bad Debt Reserves Related to Securitization	34.5	32.1		
Unbilled Receivables Related to Securitization	219.8	266.8		

AEP Credit's delinquent customer accounts receivable represent accounts greater than 30 days past due.

**Securitized Accounts Receivables – AEP Credit (Applies to Registrant Subsidiaries, except AEP Texas and AEPTCo)**

Under this sale of receivables arrangement, the Registrant Subsidiaries sell, without recourse, certain of their customer accounts receivable and accrued unbilled revenue balances to AEP Credit and are charged a fee based on AEP Credit's financing costs, administrative costs and uncollectible accounts experience for each Registrant Subsidiary's receivables. APCo does not have regulatory authority to sell its West Virginia accounts receivable. The costs of customer accounts receivable sold are reported in Other Operation expense on the Registrant Subsidiaries' statements of income. The Registrant Subsidiaries manage and service their customer accounts receivable, which are sold to AEP Credit. AEP Credit securitizes the eligible receivables for the operating companies and retains the remainder.

The amount of accounts receivable and accrued unbilled revenues under the sale of receivables agreements were:

Company	March 31, 2020		December 31, 2019	
	(in millions)			
APCo	\$	121.8	\$	120.9
I&M		155.2		141.8
OPCo		338.3		330.3
PSO		93.3		101.1
SWEPCo		121.2		125.2

The fees paid to AEP Credit for customer accounts receivable sold were:

Company	Three Months Ended March 31,		
	2020		2019
	(in millions)		
APCo	\$	1.7	\$ 2.2
I&M		2.8	2.8
OPCo		4.8	7.8
PSO		1.3	2.1
SWEPCo		2.1	2.6

The proceeds on the sale of receivables to AEP Credit were:

Company	Three Months Ended March 31,		
	2020		2019
	(in millions)		
APCo	\$	352.6	\$ 374.4
I&M		471.4	478.6
OPCo		570.3	636.8
PSO		294.9	324.5
SWEPCo		365.6	371.9

### **13. REVENUE FROM CONTRACTS WITH CUSTOMERS**

The disclosures in this note apply to all Registrants, unless indicated otherwise.

#### ***Disaggregated Revenues from Contracts with Customers***

The tables below represent AEP's reportable segment revenues from contracts with customers, net of respective provisions for refund, by type of revenue:

	Three Months Ended March 31, 2020							AEP Consolidated
	Vertically Integrated Utilities	Transmission and Distribution Utilities	AEP Transmission Holdco	Generation & Marketing	Corporate and Other	Reconciling Adjustments	(in millions)	
<b>Retail Revenues:</b>								
Residential Revenues	\$ 915.1	\$ 521.3	\$ —	\$ —	\$ —	\$ —	\$ 1,436.4	
Commercial Revenues	489.4	276.9	—	—	—	—	—	766.3
Industrial Revenues	518.2	97.8	—	—	—	(0.2)	—	615.8
Other Retail Revenues	39.9	11.8	—	—	—	—	—	51.7
<b>Total Retail Revenues</b>	<b>1,962.6</b>	<b>907.8</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>(0.2)</b>	<b>—</b>	<b>2,870.2</b>
<b>Wholesale and Competitive Retail Revenues:</b>								
Generation Revenues	140.4	—	—	44.1	—	—	—	184.5
Transmission Revenues (a)	79.9	114.1	309.8	—	—	(263.0)	—	240.8
Renewable Generation Revenues (c)	—	—	—	17.2	—	(0.6)	—	16.6
Retail, Trading and Marketing Revenues (b)	—	—	—	358.7	(6.0)	(29.4)	—	323.3
<b>Total Wholesale and Competitive Retail Revenues</b>	<b>220.3</b>	<b>114.1</b>	<b>309.8</b>	<b>420.0</b>	<b>(6.0)</b>	<b>(293.0)</b>	<b>—</b>	<b>765.2</b>
Other Revenues from Contracts with Customers (c)	43.6	36.4	3.7	0.3	28.1	(40.6)	—	71.5
<b>Total Revenues from Contracts with Customers</b>	<b>2,226.5</b>	<b>1,058.3</b>	<b>313.5</b>	<b>420.3</b>	<b>22.1</b>	<b>(333.8)</b>	<b>—</b>	<b>3,706.9</b>
<b>Other Revenues:</b>								
Alternative Revenues (c)	0.2	19.3	(3.3)	—	—	4.5	—	20.7
Other Revenues (c)	—	29.3	—	18.3	(2.2)	(25.5)	—	19.9
<b>Total Other Revenues</b>	<b>0.2</b>	<b>48.6</b>	<b>(3.3)</b>	<b>18.3</b>	<b>(2.2)</b>	<b>(21.0)</b>	<b>—</b>	<b>40.6</b>
<b>Total Revenues</b>	<b>\$ 2,226.7</b>	<b>\$ 1,106.9</b>	<b>\$ 310.2</b>	<b>\$ 438.6</b>	<b>\$ 19.9</b>	<b>\$ (354.8)</b>	<b>\$ 3,747.5</b>	

- (a) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for AEP Transmission Holdco was \$239 million. The remaining affiliated amounts were immaterial.  
 (b) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for Generation & Marketing was \$35 million. The remaining affiliated amounts were immaterial.  
 (c) Amounts include affiliated and nonaffiliated revenues.

Three Months Ended March 31, 2019

	Vertically Integrated Utilities	Transmission and Distribution Utilities	AEP Transmission Holdco	Generation & Marketing	Corporate and Other	Reconciling Adjustments	AEP Consolidated
	(in millions)						
<b>Retail Revenues:</b>							
Residential Revenues	\$ 982.4	\$ 586.1	\$ —	\$ —	\$ —	\$ —	\$ 1,568.5
Commercial Revenues	511.2	310.9	—	—	—	—	822.1
Industrial Revenues	532.1	123.9	—	—	—	1.8	657.8
Other Retail Revenues	43.3	11.1	—	—	—	—	54.4
<b>Total Retail Revenues</b>	<b>2,069.0</b>	<b>1,032.0</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1.8</b>	<b>3,102.8</b>
<b>Wholesale and Competitive Retail Revenues:</b>							
Generation Revenues	224.7	—	—	108.8	—	(38.8)	294.7
Transmission Revenues (a)	73.5	99.6	255.1	—	—	(219.4)	208.8
Renewable Generation Revenues (c)	—	—	—	7.8	—	—	7.8
Retail, Trading and Marketing Revenues (b)	—	—	—	353.7	—	—	353.7
<b>Total Wholesale and Competitive Retail Revenues</b>	<b>298.2</b>	<b>99.6</b>	<b>255.1</b>	<b>470.3</b>	<b>—</b>	<b>(258.2)</b>	<b>865.0</b>
Other Revenues from Contracts with Customers (c)	39.5	46.0	3.1	2.3	23.3	(36.1)	78.1
<b>Total Revenues from Contracts with Customers</b>	<b>2,406.7</b>	<b>1,177.6</b>	<b>258.2</b>	<b>472.6</b>	<b>23.3</b>	<b>(292.5)</b>	<b>4,045.9</b>
<b>Other Revenues:</b>							
Alternative Revenues (c)	(3.4)	5.0	(1.8)	—	—	—	(0.2)
Other Revenues (c)	—	39.4	—	9.2	2.2	(39.7)	11.1
<b>Total Other Revenues</b>	<b>(3.4)</b>	<b>44.4</b>	<b>(1.8)</b>	<b>9.2</b>	<b>2.2</b>	<b>(39.7)</b>	<b>10.9</b>
<b>Total Revenues</b>	<b>\$ 2,403.3</b>	<b>\$ 1,222.0</b>	<b>\$ 256.4</b>	<b>\$ 481.8</b>	<b>\$ 25.5</b>	<b>\$ (332.2)</b>	<b>\$ 4,056.8</b>

- (a) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for AEP Transmission Holdco was \$198 million. The remaining affiliated amounts were immaterial.  
 (b) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for Generation & Marketing was \$37 million. The remaining affiliated amounts were immaterial.  
 (c) Amounts include affiliated and nonaffiliated revenues.

**Three Months Ended March 31, 2020**

	AEP Texas	AEPTCo	APCo	I&M	OPCo	PSO	SWEPCo
	(in millions)						
<b>Retail Revenues:</b>							
Residential Revenues	\$ 132.9	\$ —	\$ 357.5	\$ 201.3	\$ 388.4	\$ 128.5	\$ 131.6
Commercial Revenues	112.8	—	132.3	122.2	164.0	76.1	105.6
Industrial Revenues	35.2	—	141.1	137.8	62.7	61.3	79.8
Other Retail Revenues	8.4	—	17.9	1.8	3.4	16.6	2.0
<b>Total Retail Revenues</b>	<b>289.3</b>	<b>—</b>	<b>648.8</b>	<b>463.1</b>	<b>618.5</b>	<b>282.5</b>	<b>319.0</b>
<b>Wholesale Revenues:</b>							
Generation Revenues (a)	—	—	54.1	78.4	—	1.9	34.1
Transmission Revenues (b)	96.9	298.2	30.4	7.4	17.1	7.8	25.4
<b>Total Wholesale Revenues</b>	<b>96.9</b>	<b>298.2</b>	<b>84.5</b>	<b>85.8</b>	<b>17.1</b>	<b>9.7</b>	<b>59.5</b>
Other Revenues from Contracts with Customers (c)	7.9	3.4	17.2	21.0	28.6	4.7	5.8
<b>Total Revenues from Contracts with Customers</b>	<b>394.1</b>	<b>301.6</b>	<b>750.5</b>	<b>569.9</b>	<b>664.2</b>	<b>296.9</b>	<b>384.3</b>
<b>Other Revenues:</b>							
Alternative Revenues (d)	(0.7)	(6.0)	(1.1)	0.4	20.0	0.4	1.6
Other Revenues (d)	30.2	—	—	—	6.1	—	—
<b>Total Other Revenues</b>	<b>29.5</b>	<b>(6.0)</b>	<b>(1.1)</b>	<b>0.4</b>	<b>26.1</b>	<b>0.4</b>	<b>1.6</b>
<b>Total Revenues</b>	<b>\$ 423.6</b>	<b>\$ 295.6</b>	<b>\$ 749.4</b>	<b>\$ 570.3</b>	<b>\$ 690.3</b>	<b>\$ 297.3</b>	<b>\$ 385.9</b>

- (a) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for APCo was \$33 million primarily relating to the PPA with KGPCo. The remaining affiliated amounts were immaterial.
- (b) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for AEPTCo was \$235 million. The remaining affiliated amounts were immaterial.
- (c) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for I&M was \$16 million primarily relating to the barging, urea transloading and other transportation services. The remaining affiliated amounts were immaterial.
- (d) Amounts include affiliated and nonaffiliated revenues.

**Three Months Ended March 31, 2019**

	AEP Texas	AEPTCo	APCo	I&M	OPCo	PSO	SWEPCo
	(in millions)						
<b>Retail Revenues:</b>							
Residential Revenues	\$ 120.9	\$ —	\$ 372.5	\$ 218.4	\$ 471.6	\$ 140.0	\$ 140.1
Commercial Revenues	97.9	—	142.2	121.3	210.5	80.8	113.7
<b>Industrial Revenues</b>	<b>33.0</b>	<b>—</b>	<b>147.5</b>	<b>138.4</b>	<b>89.7</b>	<b>71.0</b>	<b>81.2</b>
Other Retail Revenues	7.3	—	19.6	1.8	3.4	18.0	2.2
<b>Total Retail Revenues</b>	<b>259.1</b>	<b>—</b>	<b>681.8</b>	<b>479.9</b>	<b>775.2</b>	<b>309.8</b>	<b>337.2</b>
<b>Wholesale Revenues:</b>							
Generation Revenues (a)	—	—	67.5	111.9	—	8.6	57.2
Transmission Revenues (b)	85.8	242.1	25.7	6.3	13.9	9.8	24.2
<b>Total Wholesale Revenues</b>	<b>85.8</b>	<b>242.1</b>	<b>93.2</b>	<b>118.2</b>	<b>13.9</b>	<b>18.4</b>	<b>81.4</b>
Other Revenues from Contracts with Customers (c)	6.9	3.1	13.4	21.0	39.0	5.8	7.8
<b>Total Revenues from Contracts with Customers</b>	<b>351.8</b>	<b>245.2</b>	<b>788.4</b>	<b>619.1</b>	<b>828.1</b>	<b>334.0</b>	<b>426.4</b>
<b>Other Revenues:</b>							
Alternative Revenues (d)	(0.9)	(1.7)	4.4	(4.8)	3.6	(1.2)	(5.3)
Other Revenues (d)	39.8	—	—	—	5.1	—	—
<b>Total Other Revenues</b>	<b>38.9</b>	<b>(1.7)</b>	<b>4.4</b>	<b>(4.8)</b>	<b>8.7</b>	<b>(1.2)</b>	<b>(5.3)</b>
<b>Total Revenues</b>	<b>\$ 390.7</b>	<b>\$ 243.5</b>	<b>\$ 792.8</b>	<b>\$ 614.3</b>	<b>\$ 836.8</b>	<b>\$ 332.8</b>	<b>\$ 421.1</b>

- (a) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for APCo was \$35 million primarily relating to the PPA with KGPCo. The remaining affiliated amounts were immaterial.
- (b) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for AEPTCo was \$195 million. The remaining affiliated amounts were immaterial.
- (c) Amounts include affiliated and nonaffiliated revenues. The affiliated revenue for I&M was \$15 million primarily relating to the barging, urea transloading and other transportation services. The remaining affiliated amounts were immaterial.
- (d) Amounts include affiliated and nonaffiliated revenues.

### **Fixed Performance Obligations**

The following table represents the Registrants' remaining fixed performance obligations satisfied over time as of March 31, 2020. Fixed performance obligations primarily include wholesale transmission services, electricity sales for fixed amounts of energy and stand ready services into PJM's RPM market. The Registrant Subsidiaries amounts shown in the table below include affiliated and nonaffiliated revenues.

<b>Company</b>	<b>2020</b>	<b>2021-2022</b>	<b>2023-2024</b>	<b>After 2024</b>	<b>Total</b>
	(in millions)				
AEP	\$ 732.4	\$ 171.1	\$ 160.6	\$ 223.4	\$ 1,287.5
AEP Texas	290.3	—	—	—	290.3
AEPTCo	821.5	—	—	—	821.5
APCo	118.6	32.3	24.4	11.6	186.9
I&M	22.2	8.8	8.8	4.4	44.2
OPCo	43.2	—	—	—	43.2
PSO	10.8	—	—	—	10.8
SWEPCo	29.6	—	—	—	29.6

### **Contract Assets and Liabilities**

Contract assets are recognized when the Registrants have a right to consideration that is conditional upon the occurrence of an event other than the passage of time, such as future performance under a contract. The Registrants did not have material contract assets as of March 31, 2020 and December 31, 2019.

When the Registrants receive consideration, or such consideration is unconditionally due from a customer prior to transferring goods or services to the customer under the terms of a sales contract, they recognize a contract liability on the balance sheet in the amount of that consideration. Revenue for such consideration is subsequently recognized in the period or periods in which the remaining performance obligations in the contract are satisfied. The Registrants' contract liabilities typically arise from services provided under joint use agreements for utility poles. The Registrants did not have material contract liabilities as of March 31, 2020 and December 31, 2019.

### **Accounts Receivable from Contracts with Customers**

Accounts receivable from contracts with customers are presented on the Registrants' balance sheets within the Accounts Receivable - Customers line item. The Registrants' balances for receivables from contracts that are not recognized in accordance with the accounting guidance for "Revenue from Contracts with Customers" included in Accounts Receivable - Customers were not material as of March 31, 2020 and December 31, 2019. See "Securitized Accounts Receivable - AEP Credit" section of Note 12 for additional information related to AEP Credit's securitized accounts receivable.

The following table represents the amount of affiliated accounts receivable from contracts with customers included in Accounts Receivable - Affiliated Companies on the Registrant Subsidiaries' balance sheets:

<b>Company</b>	<b>March 31, 2020</b>	<b>December 31, 2019</b>
	(in millions)	
AEPTCo	\$ 80.6	\$ 65.9
APCo	56.3	47.3
I&M	37.4	37.1
OPCo	39.3	33.9
PSO	6.2	9.7
SWEPCo	11.0	17.6

### **CONTROLS AND PROCEDURES**

During the first quarter of 2020, management, including the principal executive officer and principal financial officer of each of the Registrants, evaluated the Registrants' disclosure controls and procedures. Disclosure controls and procedures are defined as controls and other procedures of the Registrants that are designed to ensure that information required to be disclosed by the Registrants in the reports that they file or submit under the Exchange Act are recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by the Registrants in the reports that they file or submit under the Exchange Act is accumulated and communicated to the Registrants' management, including the principal executive and principal financial officers, or persons performing similar functions, as appropriate to allow timely decisions regarding required disclosure. As of March 31, 2020, these officers concluded that the disclosure controls and procedures in place are effective and provide reasonable assurance that the disclosure controls and procedures accomplished their objectives.

There was no change in the Registrants' internal control over financial reporting (as such term is defined in Rule 13a-15(f) and 15d-15(f) under the Exchange Act) during the first quarter of 2020 that materially affected, or is reasonably likely to materially affect, the Registrants' internal control over financial reporting.

## PART II. OTHER INFORMATION

### **Item 1. Legal Proceedings**

For a discussion of material legal proceedings, see "Commitments, Guarantees and Contingencies," of Note 5 incorporated herein by reference.

### **Item 1A. Risk Factors**

The AEP 2019 Annual Report on Form 10-K includes a detailed discussion of risk factors. As of March 31, 2020, the risk factors appearing in AEP's 2019 Annual Report is supplemented and updated as follows:

#### ***AEP's Financial Condition and Results of Operations could be Adversely Affected by the Recent Coronavirus Outbreak***

AEP is responding to the global outbreak (pandemic) of the 2019 novel coronavirus (COVID-19) by taking steps to mitigate the potential risks posed by its spread. AEP provides a critical service to its customers which means that it must keep its employees who operate its businesses safe and minimize unnecessary risk of exposure to the virus. AEP has updated and implemented a company-wide pandemic plan to address specific aspects of the coronavirus pandemic. This plan guides AEP's emergency response, business continuity, and the precautionary measures that AEP is taking on behalf its employees and the public. AEP has taken extra precautions for its employees who work in the field and for employees who continue to work in its facilities, and AEP has implemented work from home policies where appropriate. AEP has informed both retail customers and state regulators that disconnections for non-payment will be temporarily suspended. These uncertain economic conditions may result in the inability of customers to pay for electric service, which could affect the collectability of the Registrants revenues and adversely affect financial results. These conditions might also impact the Registrants' access to and cost of capital. This is a rapidly evolving situation that could lead to extended disruption of economic activity in AEP's markets. AEP has instituted measures to ensure its supply chain remains open; however, there could be global shortages that will impact AEP's maintenance and capital programs that AEP currently cannot anticipate. AEP will continue to monitor developments affecting both its workforce and its customers, and will take additional precautions that are determined to be necessary in order to mitigate the impacts. AEP continues to implement strong physical and cyber security measures to ensure that its systems remain functional in order to both serve its operational needs with a remote workforce and keep them running to ensure uninterrupted service to customers. AEP will continue to review and modify its plans as conditions change. Despite AEP's efforts to manage these impacts, their ultimate impact also depends on factors beyond AEP's knowledge or control, including the duration and severity of this outbreak, its impact on economic and market conditions, as well as third-party actions taken to contain its spread and mitigate its public health effects. Therefore, AEP currently cannot estimate the potential impact to its financial position, results of operations and cash flows.

### **Item 2. Unregistered Sales of Equity Securities and Use of Proceeds**

None

### **Item 3. Defaults Upon Senior Securities**

None

### **Item 4. Mine Safety Disclosures**

The Federal Mine Safety and Health Act of 1977 (Mine Act) imposes stringent health and safety standards on various mining operations. The Mine Act and its related regulations affect numerous aspects of mining operations, including training of mine personnel, mining procedures, equipment used in mine emergency procedures, mine plans and other matters. SWEPCo, through its ownership of DHLC, a wholly-owned lignite mining subsidiary of SWEPCo, is subject to the provisions of the Mine Act.

The Dodd-Frank Wall Street Reform and Consumer Protection Act (Dodd-Frank Act) requires companies that operate mines to include in their periodic reports filed with the SEC, certain mine safety information covered by the Mine Act.

Exhibit 95 "Mine Safety Disclosure Exhibit" contains the notices of violation and proposed assessments received by DHLC under the Mine Act for the quarter ended March 31, 2020.

#### **Item 5. Other Information**

None

#### **Item 6. Exhibits**

The documents designated with an (\*) below have previously been filed on behalf of the Registrants shown and are incorporated herein by reference to the documents indicated and made a part hereof.

Exhibit	Description	Previously Filed as Exhibit to:
<b>AEP‡ File No. 1-3525</b>		
*4.1 Company Order and Officer's Certificate, between AEP and The Bank of New York Mellon Trust Company, N.A., as trustee, dated March 5, 2020 <a href="#">Form 8-K dated March 5, 2020   Exhibit 4(a)</a>		
4.3	<u>Credit Agreement among AEP, initial lenders and PNC Bank, National Association</u>	
<b>AEPTCo‡ File No. 333-217143</b>		
*4.4	Company Order and Officer's Certificate, between AEPTCo and The Bank of New York Mellon Trust Company, N.A., as trustee, dated April 1, 2020 <a href="#">Form 8-K dated April 1, 2020   Exhibit 4(a)</a>	
<b>OPC‡ File No. 1-6543</b>		
*4.2	Company Order and Officer's Certificate, between OPCo and The Bank of New York Mellon Trust Company, N.A., as trustee, dated March 17, 2020 <a href="#">Form 8-K dated March 17, 2020   Exhibit 4(a)</a>	

The exhibits designated with an (X) in the table below are being filed on behalf of the Registrants.

Exhibit	Description	AEP	AEP Texas	AEPTCo	APCo	I&M	OPCo	PSO	SWEPCo
31(a)	Certification of Chief Executive Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002	X	X	X	X	X	X	X	X
31(b)	Certification of Chief Financial Officer Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002	X	X	X	X	X	X	X	X
32(a)	Certification of Chief Executive Officer Pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code	X	X	X	X	X	X	X	X
32(b)	Certification of Chief Financial Officer Pursuant to Section 1350 of Chapter 63 of Title 18 of the United States Code	X	X	X	X	X	X	X	X
95	Mine Safety Disclosures								X
101 INS	XBRL Instance Document	The instance document does not appear in the interactive data file because its XBRL tags are embedded within the inline XBRL document							
101 SCH	XBRL Taxonomy Extension Schema	X	X	X	X	X	X	X	X
101 CAL	XBRL Taxonomy Extension Calculation Linkbase	X	X	X	X	X	X	X	X
101 DEF	XBRL Taxonomy Extension Definition Linkbase	X	X	X	X	X	X	X	X
101 LAB	XBRL Taxonomy Extension Label Linkbase	X	X	X	X	X	X	X	X
101 PRE	XBRL Taxonomy Extension Presentation Linkbase	X	X	X	X	X	X	X	X
104	Cover Page Interactive Data File	Formatted as Inline XBRL and contained in Exhibit 101							

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, each registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. The signature for each undersigned company shall be deemed to relate only to matters having reference to such company and any subsidiaries thereof.

AMERICAN ELECTRIC POWER COMPANY, INC.

By: /s/ Joseph M. Buonaiuto  
Joseph M. Buonaiuto  
Controller and Chief Accounting Officer

AEP TEXAS INC.  
AEP TRANSMISSION COMPANY, LLC  
APPALACHIAN POWER COMPANY  
INDIANA MICHIGAN POWER COMPANY  
OHIO POWER COMPANY  
PUBLIC SERVICE COMPANY OF OKLAHOMA  
SOUTHWESTERN ELECTRIC POWER COMPANY

By: /s/ Joseph M. Buonaiuto  
Joseph M. Buonaiuto  
Controller and Chief Accounting Officer

Date: May 6, 2020

**Exhibit 4.3**

**EXECUTION**

DEAL CUSIP: 02557NAW2  
TERM CUSIP: 02557NAX0

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U.S. \$1,000,000,000

**CREDIT AGREEMENT**

Dated as of March 23, 2020

among

**AMERICAN ELECTRIC POWER COMPANY, INC.**  
as the Borrower

**THE LENDERS NAMED HEREIN**  
as Initial Lenders

and

**PNC BANK, NATIONAL ASSOCIATION**  
as Administrative Agent

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**PNC CAPITAL MARKETS LLC, WELLS FARGO BANK, NATIONAL ASSOCIATION, KEYBANK NATIONAL ASSOCIATION, U.S. BANK NATIONAL ASSOCIATION, SUMITOMO MITSUI BANKING CORPORATION and SUNTRUST ROBINSON HUMPHREY, INC.**  
as Joint Lead Arrangers and Joint Bookrunners

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## CREDIT AGREEMENT

CREDIT AGREEMENT, dated as of March 23, 2020 (this “*Agreement*”), among AMERICAN ELECTRIC POWER COMPANY, INC., a New York corporation (the “*Borrower*”), the banks, financial institutions and other institutional lenders listed on the signatures pages hereof (the “*Initial Lenders*”), PNC BANK, NATIONAL ASSOCIATION (“*PNC*”), as administrative agent (in such capacity, and its successors in such capacity as provided in Article VII, the “*Administrative Agent*”) for the Lenders (as hereinafter defined).

### PRELIMINARY STATEMENT:

The Borrower has requested that the Lenders, on the terms and conditions set forth herein, provide the Borrower a \$1,000,000,000 term loan credit facility to be used for ongoing working capital and general corporate purposes. The Lenders have indicated their willingness to provide such a facility on the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements contained herein, the parties hereto hereby agree as follows:

### ARTICLE I DEFINITIONS AND ACCOUNTING TERMS

#### *SECTION 1.01. Certain Defined Terms.*

As used in this Agreement, the following terms shall have the following meanings (such meanings to be equally applicable to both the singular and plural forms of the terms defined):

“*Administrative Agent*” has the meaning specified in the recital of parties to this Agreement.

“*Administrative Questionnaire*” means an administrative questionnaire in a form supplied by the Administrative Agent.

“*Advance*” means an advance by a Lender to a Borrower as part of a Borrowing and refers to a Base Rate Advance or a Eurodollar Rate Advance.

“*Affiliate*” means, as to any Person, any other Person that, directly or indirectly, controls, is controlled by or is under common control with such Person or is a director or officer of such Person. For purposes of this definition, the term “control” (including the terms “controlling”, “controlled by” and “under common control with”) of a Person means the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of such Person, whether through the ownership of Voting Stock, by contract or otherwise.

“*Agent Parties*” has the meaning specified in Section 8.02(c).

**“Agent’s Account”** means an account of the Administrative Agent maintained by the Administrative Agent from time to time designated in a written notice to the Lenders and the Borrower.

**“Anti-Corruption Laws”** means all laws, rules, and regulations of any jurisdiction applicable to the Borrower or its Subsidiaries from time to time concerning or relating to bribery, money laundering or corruption.

**“Applicable Law”** means (i) all applicable common law and principles of equity and (ii) all applicable provisions of all (A) constitutions, statutes, rules, regulations and orders of governmental bodies, (B) Governmental Approvals and (C) orders, decisions, judgments and decrees of all courts (whether at law or in equity or admiralty) and arbitrators.

**“Applicable Lending Office”** means, with respect to each Lender, such Lender’s Domestic Lending Office in the case of a Base Rate Advance and such Lender’s Eurodollar Lending Office in the case of a Eurodollar Rate Advance.

**“Applicable Margin”** means, with respect to any Base Rate Advance, 0.00% per annum and with respect to any Eurodollar Rate Advance, 0.60% per annum, *provided*, that the Applicable Margin shall be increased upon the occurrence and during the continuance of any Event of Default by 2.00% per annum.

**“Approved Fund”** means any Fund that is administered or managed by (i) a Lender, (ii) an Affiliate of a Lender or (iii) an entity or an Affiliate of an entity that administers or manages a Lender.

**“Assignment and Assumption”** means an assignment and assumption entered into by a Lender and an Eligible Assignee (with the consent of any party whose consent is required by Section 8.07), and accepted by the Administrative Agent, in substantially the form of Exhibit B hereto or any other form approved by the Administrative Agent.

**“Bail-In Action”** means the exercise of any Write-Down and Conversion Powers by the applicable EEA Resolution Authority in respect of any liability of an EEA Financial Institution.

**“Bail-In Legislation”** means, with respect to any EEA Member Country implementing Article 55 of Directive 2014/59/EU of the European Parliament and of the Council of the European Union, the implementing law for such EEA Member Country from time to time which is described in the EU Bail-In Legislation Schedule.

**“Bankruptcy Event”** means, with respect to any Person, such Person becomes the subject of a proceeding under any Debtor Relief Law, or has had a receiver, custodian, conservator, trustee, administrator, assignee for the benefit of creditors or similar Person charged with reorganization or liquidation of its business or assets (including the Federal Deposit Insurance Corporation or any other Governmental Authority acting in a similar capacity) appointed for it, or, in the good faith determination of the Administrative Agent, has taken any action in furtherance of, or indicating its consent to, approval of, or

acquiescence in, any such proceeding or appointment; *provided* that, a Bankruptcy Event shall not result solely by virtue of any ownership interest, or acquisition of any equity interest, in such Person by a Governmental Authority so long as such ownership interest does not result in or provide such Person with immunity from the jurisdiction of courts within the United States or from the enforcement of judgments or writs of attachment on its assets or permit such Person (or such Governmental Authority) to reject, repudiate, disavow or disaffirm obligations under any agreement in which it commits to extend credit.

**“Base Rate”** means a fluctuating interest rate per annum in effect from time to time, which rate per annum shall at all times be equal to the highest of the following rates then in effect:

- (i) the rate of interest announced publicly by PNC, from time to time, as PNC’s prime rate (it being acknowledged by the Borrower that such rate is an index or base rate and shall not necessarily be its lowest or best rate charged to its customers or other banks);
- (ii) 1/2 of 1% per annum above the Federal Funds Rate; and
- (iii) the rate of interest per annum equal to the Eurodollar Rate as determined on such day (or if such day is not a Business Day, on the next preceding Business Day) that would be applicable to a Eurodollar Rate Advance having an Interest Period of one month, plus 1%;

provided that in no event shall the Base Rate hereunder as determined per the above be less than 0.0%.

**“Base Rate Advance”** means an Advance that bears interest as provided in Section 2.07(a).

**“Benefit Plan”** means any of (i) an “employee benefit plan” (as defined in Section 3(3) of ERISA) that is subject to Title I of ERISA, (ii) a “plan” as defined in Section 4975 of the Code to which Section 4975 of the Code applies, and (iii) any Person whose assets include (for purposes of the Plan Asset Regulations or otherwise for purposes of Title I of ERISA or Section 4975 of the Code) the assets of any such “employee benefit plan” or “plan”.

**“Beneficial Ownership Certification”** means a certification regarding beneficial ownership as required by the Beneficial Ownership Regulation.

**“Beneficial Ownership Regulation”** means 31 C.F.R. § 1010.230.

**“Borrower”** has the meaning specified in the recital of parties to this Agreement.

**“Borrowing”** means a borrowing by the Borrower consisting of simultaneous Advances of the same Type, having the same Interest Period and ratably made or Converted on the same day by each of the Lenders pursuant to Section 2.02 or 2.09, as the case may be. All Advances to the Borrower of the same Type, having the same

Interest Period and made or Converted on the same day shall be deemed a single Borrowing hereunder until repaid or next Converted.

***"Borrowing Date"*** means the date of any Borrowing.

***"Business Day"*** means a day of the year on which banks are not required or authorized by law to close in New York City and such day is a day on which dealings are carried out in the London interbank market.

***"Change in Law"*** means the occurrence, after the date of this Agreement, of any of the following: (a) the adoption or taking effect of any law, rule, regulation or treaty, (b) any change in any law, rule, regulation or treaty or in the administration, interpretation, implementation or application thereof by any Governmental Authority or (c) the making or issuance of any request, rule, guideline or directive (whether or not having the force of law) by any Governmental Authority; *provided* that notwithstanding anything herein to the contrary, (x) the Dodd-Frank Wall Street Reform and Consumer Protection Act and all requests, rules, guidelines or directives thereunder or issued in connection therewith and (y) all requests, rules, guidelines or directives promulgated by the Bank for International Settlements, the Basel Committee on Banking Supervision (or any successor or similar authority) or the United States or foreign regulatory authorities, in each case pursuant to Basel III, shall in each case be deemed to be a "Change in Law", regardless of the date enacted, implemented, adopted or issued.

***"Closing Date"*** means, subject to Section 3.1, March 23, 2020.

***"Commitment"*** means, for each Lender, the obligation of such Lender to make an Advance in Dollars to the Borrower on the Closing Date in an amount no greater than the amount set forth on Schedule I hereto or, if such Lender has entered into any Assignment and Assumption, set forth for such Lender in the Register maintained by the Administrative Agent pursuant to Section 8.07(c), or as such amount may be increased from time to time pursuant to Section 2.18.

***"Commitment Percentage"*** means, as to any Lender as of any date of determination, the percentage describing such Lender's pro rata share of the Commitments set forth in the Register from time to time; *provided* that in the case of Section 8.16 when a Defaulting Lender shall exist, "***Commitment Percentage***" means the percentage of the total Commitments (disregarding any Defaulting Lender's Commitment) represented by such Lender's Commitment. If the Commitments have terminated or expired, the Commitment Percentages shall be determined based upon the Commitments most recently in effect, giving effect to any assignments and to any Lender's status as a Defaulting Lender at the time of determination.

***"Commitments"*** means the aggregate of the Lenders' Commitments hereunder.

***"Communications"*** has the meaning specified in Section 8.02(b).

***"Confidential Information"*** means information that the Borrower furnishes to the Administrative Agent, the Joint Lead Arrangers or any Lender in a writing designated as

confidential, but does not include any such information that is or becomes generally available to the public or that is or becomes available to the Administrative Agent, the Joint Lead Arrangers or such Lender from a source other than the Borrower.

***“Confirmation of Facility Increase”*** has the meaning specified in Section 2.18.

***“Connection Income Taxes”*** means Other Connection Taxes that are imposed on or measured by overall gross receipts or income, or net income (however denominated) or that are franchise Taxes, privilege Taxes, license Taxes or branch profits Taxes.

***“Consolidated Capital”*** means the sum of (i) Consolidated Debt of the Borrower and (ii) the consolidated equity of all classes of stock (whether common, preferred, mandatorily convertible preferred or preference) of the Borrower, in each case determined in accordance with GAAP, but including Equity-Preferred Securities issued by the Borrower and its Consolidated Subsidiaries and excluding the funded pension and other postretirement benefit plans, net of tax, components of accumulated other comprehensive income (loss).

***“Consolidated Debt”*** of the Borrower means the total principal amount of all Debt described in clauses (i) through (v) of the definition of Debt and Guarantees of such Debt of the Borrower and its Consolidated Subsidiaries, excluding, however, (i) Debt of AEP Credit, Inc. that is non-recourse to the Borrower, (ii) Stranded Cost Recovery Bonds, and (iii) Equity-Preferred Securities not to exceed 10% of Consolidated Capital (calculated for purposes of this clause without reference to any Equity-Preferred Securities); provided that Guarantees of Debt included in the total principal amount of Consolidated Debt shall not be added to such total principal amount.

***“Consolidated Subsidiary”*** means, with respect to any Person at any time, any Subsidiary or other Person the accounts of which would be consolidated with those of such first Person in its consolidated financial statements in accordance with GAAP.

***“Consolidated Tangible Net Assets”*** means, on any date of determination and with respect to any Person at any time, the total of all assets (including revaluations thereof as a result of commercial appraisals, price level restatement or otherwise) appearing on the consolidated balance sheet of such Person and its Consolidated Subsidiaries most recently delivered to the Lenders pursuant to Section 5.01(i) as of such date of determination, net of applicable reserves and deductions, but excluding goodwill, trade names, trademarks, patents, unamortized debt discount and all other like intangible assets (which term shall not be construed to include such revaluations), less the aggregate of the consolidated current liabilities of such Person and its Consolidated Subsidiaries appearing on such balance sheet.

***“Convert”, “Conversion” and “Converted”*** each refers to a conversion of Advances of one Type into Advances of the other Type, or the selection of a new, or the renewal of the same, Interest Period for Eurodollar Rate Advances, pursuant to Section 2.08 or 2.09.

***“Credit Party”*** means the Administrative Agent or any Lender.

***“Debt”*** of any Person means, without duplication, (i) all indebtedness of such Person for borrowed money, (ii) all obligations of such Person for the deferred purchase price of property or services (other than trade payables not overdue by more than 60 days incurred in the ordinary course of such Person’s business), (iii) all obligations of such Person evidenced by notes, bonds, debentures or other similar instruments, (iv) all obligations of such Person as lessee under leases that have been, in accordance with GAAP, recorded as capital leases, including, without limitation, the leases described in clause (iv) of Section 5.02(c), (v) all obligations of such Person in respect of reimbursement agreements with respect to acceptances, letters of credit (other than trade letters of credit) or similar extensions of credit, (vi) all Guarantees and (vii) all reasonably quantifiable obligations under indemnities or under support or capital contribution agreements, and other reasonably quantifiable obligations (contingent or otherwise) to purchase or otherwise to assure a creditor against loss in respect of, or to assure an obligee against loss in respect of, all Debt of others referred to in clauses (i) through (vi) above guaranteed directly or indirectly in any manner by such Person, or in effect guaranteed directly or indirectly by such Person through an agreement (A) to pay or purchase such Debt or to advance or supply funds for the payment or purchase of such Debt, (B) to purchase, sell or lease (as lessee or lessor) property, or to purchase or sell services, primarily for the purpose of enabling the debtor to make payment of such Debt or to assure the holder of such Debt against loss, (C) to supply funds to or in any other manner invest in the debtor (including any agreement to pay for property or services irrespective of whether such property is received or such services are rendered) or (D) otherwise to assure a creditor against loss.

***“Debtor Relief Laws”*** means the Bankruptcy Code of the United States of America, and all other liquidation, conservatorship, bankruptcy, assignment for the benefit of creditors, moratorium, rearrangement, receivership, insolvency, reorganization, or similar debtor relief laws of the United States or other applicable jurisdictions from time to time in effect.

***“Declining Lender”*** has the meaning specified in Section 2.04(b).

***“Default”*** means any Event of Default or any event that would constitute an Event of Default but for the requirement that notice be given or time elapse or both.

***“Defaulting Lender”*** means, subject to Section 8.16(b), any Lender that (i) has failed to (A) fund all or any portion of its Advances within two Business Days of the date such Advances were required to be funded hereunder unless such Lender notifies the Administrative Agent and the Borrower in writing that such failure is the result of such Lender’s good faith determination that one or more conditions precedent to funding (each of which conditions precedent, together with any applicable Default, shall be specifically identified in such writing) has not been satisfied, or (B) pay to any Credit Party any other amount required to be paid by it hereunder within two Business Days of the date when due, (ii) has notified the Borrower or any Credit Party in writing that it does not intend to comply with its funding obligations hereunder or generally under other agreements in which it commits to extend credit, or has made a public statement to that effect (unless such writing or public statement relates to such Lender’s obligation to fund an Advance hereunder and states that such position is based on such Lender’s good faith

determination that a condition precedent to funding (which condition precedent, together with any applicable Default, shall be specifically identified in such writing or public statement) cannot be satisfied), (iii) has failed, within three Business Days after written request by the Administrative Agent or the Borrower, to confirm in writing to the Administrative Agent and the Borrower that it will comply with its prospective funding obligations hereunder (*provided* that, such Lender shall cease to be a Defaulting Lender pursuant to this clause (iii) upon receipt of such written confirmation by the Administrative Agent and the Borrower), or (iv) has become the subject of (A) a Bankruptcy Event or (B) a Bail-in Action. Any determination by the Administrative Agent that a Lender is a Defaulting Lender under any one or more of clauses (i) through (iv) above shall be conclusive and binding absent manifest error, and such Lender shall be deemed to be a Defaulting Lender (subject to Section 8.16(b)) upon delivery of written notice of such determination to the Borrower and each Lender.

**“Designated Lender”** has the meaning specified in Section 2.18(a).

**“Disclosure Documents”** means the Borrower’s Report on Form 10-K, as filed with the SEC, for the fiscal year ended December 31, 2019 and the Borrower’s Current Reports on Form 8-K, as filed with the SEC after the date of filing the Borrower’s Report on Form 10-K for the period ended December 31, 2019 but prior to the Closing Date.

**“Dollars”** and the symbol “\$” mean lawful currency of the United States of America.

**“Domestic Lending Office”** means, with respect to any Lender, the office of such Lender specified as its “Domestic Lending Office” on such Lender’s Administrative Questionnaire or in the Assignment and Assumption pursuant to which it became a Lender, or such other office of such Lender as such Lender may from time to time specify in writing to the Borrower and the Administrative Agent.

**“EEA Financial Institution”** means (a) any credit institution or investment firm established in any EEA Member Country which is subject to the supervision of an EEA Resolution Authority, (b) any entity established in an EEA Member Country which is a parent of an institution described in clause (a) of this definition, or (c) any financial institution established in an EEA Member Country which is a subsidiary of an institution described in clauses (a) or (b) of this definition and is subject to consolidated supervision with its parent.

**“EEA Member Country”** means any of the member states of the European Union, Iceland, Liechtenstein, and Norway.

**“EEA Resolution Authority”** means any public administrative authority or any person entrusted with public administrative authority of any EEA Member Country (including any delegatee) having responsibility for the resolution of any EEA Financial Institution.

***“Eligible Assignee”*** means any Person that meets the requirements to be an assignee under Section 8.07(b)(iii), (v) and (vi) (subject to such consents, if any, as may be required under Section 8.07(b)(iii)).

***“Environmental Action”*** means any action, suit, demand, demand letter, claim, notice of non-compliance or violation, notice of liability or potential liability, investigation, proceeding, consent order or consent agreement relating in any way to any Environmental Law, Environmental Permit or Hazardous Materials or arising from alleged injury or threat of injury to health, safety or the environment, including, without limitation, (i) by any Governmental Authority for enforcement, cleanup, removal, response, remedial or other actions or damages and (ii) by any Governmental Authority or any third party for damages, contribution, indemnification, cost recovery, compensation or injunctive relief.

***“Environmental Law”*** means any federal, state, local or foreign statute, law, ordinance, rule, regulation, code, order, judgment, decree or judicial or agency interpretation, policy or guidance relating to pollution or protection of the environment, health, safety or natural resources, including, without limitation, those relating to the use, handling, transportation, treatment, storage, disposal, release or discharge of Hazardous Materials.

***“Environmental Permit”*** means any permit, approval, identification number, license or other authorization required under any Environmental Law.

***“Equity-Preferred Securities”*** means (i) debt or preferred securities that are mandatorily convertible or mandatorily exchangeable into common shares of the Borrower and (ii) any other securities, however denominated, including but not limited to hybrid capital and trust originated preferred securities, (A) issued by the Borrower or any Consolidated Subsidiary of the Borrower, (B) that are not subject to mandatory redemption or the underlying securities, if any, of which are not subject to mandatory redemption, (C) that are perpetual or mature no less than 30 years from the date of issuance, (D) the indebtedness issued in connection with which, including any guaranty, is subordinate in right of payment to the unsecured and unsubordinated indebtedness of the issuer of such indebtedness or guaranty, and (E) the terms of which permit the deferral of the payment of interest or distributions thereon to a date occurring after the Termination Date.

***“ERISA”*** means the Employee Retirement Income Security Act of 1974, as amended from time to time, and the regulations promulgated and rulings issued thereunder.

***“ERISA Affiliate”*** means, with respect to any Person, each trade or business (whether or not incorporated) that is considered to be a single employer with such entity within the meaning of Section 414(b), (c), (m) or (o) of the Internal Revenue Code.

***“ERISA Event”*** means (i) the termination of or withdrawal from any Plan by the Borrower or any of its ERISA Affiliates, (ii) the failure by the Borrower or any of its ERISA Affiliates to comply with ERISA or the related provisions of the Internal Revenue

Code with respect to any Plan or (iii) the failure by the Borrower or any of its Subsidiaries to comply with Applicable Law with respect to any Foreign Plan.

“**EU Bail-In Legislation Schedule**” means the EU Bail-In Legislation Schedule published by the Loan Market Association (or any successor person), as in effect from time to time.

“**Eurocurrency Liabilities**” has the meaning assigned to that term in Regulation D of the Board of Governors of the Federal Reserve System, as in effect from time to time.

“**Eurodollar Lending Office**” means, with respect to any Lender, the office of such Lender specified as its “Eurodollar Lending Office” on such Lender’s Administrative Questionnaire or in the Assignment and Assumption pursuant to which it became a Lender (or, if no such office is specified, its Domestic Lending Office), or such other office of such Lender as such Lender may from time to time specify in writing to the Borrower and the Administrative Agent.

“**Eurodollar Rate**” means, for any Interest Period for each Eurodollar Rate Advance comprising part of the same Borrowing, the London interbank offered rate (rounded upward to the nearest 1/100<sup>th</sup> of 1%) as administered by ICE Benchmark Administration Limited (or any other Person that takes over the administration of such rate) for deposits in immediately available funds in Dollars for a period equal in length to such Interest Period as displayed on page LIBOR01 of the Reuters screen that displays such rate (or, in the event such rate does not appear on a Reuters page or screen, on any successor or substitute Reuters page or screen that displays such rate, or on the appropriate page or screen of such other comparable information service that publishes such rate from time to time as selected by the Administrative Agent in its discretion) (in each case, the “**Screen Rate**”) at approximately 11:00 A.M. (London time) two Business Days before the first day of such Interest Period, *provided*, that if the Screen Rate shall be less than zero, such rate shall be deemed to be zero for the purposes of this Agreement, and *provided, further*, if the Screen Rate shall not be available at such time for such Interest Period (an “**Impacted Interest Period**”), the Eurodollar Rate for such Borrowing shall be a rate determined by the Administrative Agent to be the arithmetic average of the rate per annum (rounded upward to the nearest 1/100<sup>th</sup> of 1%) at which deposits in Dollars in minimum amounts of at least \$5,000,000 would be offered by first class banks in the London interbank market to the Administrative Agent at approximately 11:00 A.M. (London time) two Business Days before the first day of such Interest Period for a period equal to such Interest Period; *provided*, that if such rate shall be less than zero, such rate shall be deemed to be zero for the purposes of this Agreement.

“**Eurodollar Rate Advance**” means an Advance that bears interest as provided in Section 2.08(b).

“**Eurodollar Rate Reserve Percentage**” of any Lender for any Interest Period for each Eurodollar Rate Advance means the reserve percentage applicable to such Lender during such Interest Period (or if more than one such percentage shall be so applicable, the daily average of such percentages for those days in such Interest Period during which any such percentage shall be so applicable) under regulations issued from time to time by

the Board of Governors of the Federal Reserve System (or any successor) for determining the maximum reserve requirement (including, without limitation, any emergency, supplemental or other marginal reserve requirement) then applicable to such Lender with respect to liabilities or assets consisting of or including Eurocurrency Liabilities (or with respect to any other category of liabilities that includes deposits by reference to which the interest rate on Eurodollar Rate Advances is determined) having a term equal to such Interest Period.

***“Events of Default”*** has the meaning specified in Section 6.01.

***“Exchange Act”*** has the meaning specified in Section 6.01(f).

***“Excluded Taxes”*** means any of the following Taxes imposed on or with respect to a Recipient or required to be withheld or deducted from a payment to a Recipient, (a) Taxes imposed on or measured by overall gross receipts or income, or net income (however denominated), franchise Taxes, privilege Taxes, license Taxes or branch profits Taxes, in each case, (i) imposed as a result of such Recipient being organized under the laws of, or having its principal office or, in the case of any Lender, its Applicable Lending Office located in, the jurisdiction imposing such Tax (or any political subdivision thereof) or (ii) that are Other Connection Taxes, (b) in the case of a Lender, U.S. federal withholding Taxes imposed on amounts payable to or for the account of such Lender with respect to an applicable interest in an Advance or Commitment pursuant to a law in effect on the date on which (i) such Lender acquires such interest in the Advance or Commitment (other than pursuant to an assignment request by the Borrower under Section 2.17(b)) or (ii) such Lender changes its Applicable Lending Office, except in each case to the extent that, pursuant to Section 2.15, amounts with respect to such Taxes were payable either to such Lender’s assignor immediately before such Lender became a party hereto or to such Lender immediately before it changed its Applicable Lending Office, (c) Taxes attributable to such Recipient’s failure to comply with Section 2.15(g) and (d) any U.S. federal withholding Taxes imposed under FATCA.

***“Extension Effective Date”*** has the meaning specified in Section 2.04(c).

***“Extension of Credit”*** means the making of a Borrowing. For purposes of this Agreement, a Conversion shall not constitute an Extension of Credit.

***“Facility”*** means the aggregate commitment of the Lenders to make Advances to the Borrower hereunder up to a maximum of \$1,000,000,000, as such aggregate commitment may be increased pursuant to Section 2.18.

***“FATCA”*** means Sections 1471 through 1474 of the Internal Revenue Code, as of the date of this Agreement (or any amended or successor version that is substantively comparable and not materially more onerous to comply with), any current or future regulations or official interpretations thereof, any agreement entered into pursuant to Section 1471(b)(1) of the Internal Revenue Code, and any intergovernmental agreement entered into in connection with such sections of the Internal Revenue Code and any legislation, law, regulation or practice enacted or promulgated pursuant to such intergovernmental agreement.

***Federal Funds Rate*** means, for any period, a fluctuating interest rate per annum equal for each day during such period to the weighted average of the rates on overnight Federal funds transactions with members of the Federal Reserve System arranged by Federal funds brokers, as published for such day (or, if such day is not a Business Day, for the next preceding Business Day) by the Federal Reserve Bank of New York, or, if such rate is not so published for any day that is a Business Day, the average of the quotations for such day on such transactions received by the Administrative Agent from three Federal funds brokers of recognized standing selected by it; *provided* that if the Federal Funds Rate as determined in accordance with this definition shall be less than zero, such rate shall be deemed to be zero for purposes of this Agreement.

***Fee Letter*** means that certain Fee Letter, dated as of March 20, 2020, among the Borrower and the Administrative Agent.

***Foreign Lender*** means a Lender that is not a U.S. Person.

***Foreign Plan*** has the meaning specified in Section 4.01(i).

***Fund*** means any Person (other than a natural Person) that is (or will be) engaged in making, purchasing, holding or otherwise investing in commercial loans, bonds and similar extensions of credit in the ordinary course of its activities.

***GAAP*** has the meaning specified in Section 1.03.

***GenCo*** means AEP Generation Resources Inc.

***Governmental Approval*** means any authorization, consent, approval, license or exemption of, registration or filing with, or report or notice to, any Governmental Authority.

***Governmental Authority*** means the government of the United States of America or any other nation, or of any political subdivision thereof, whether state or local, and any agency, authority, instrumentality, regulatory body, court, central bank or other entity exercising executive, legislative, judicial, taxing, regulatory or administrative powers or functions of or pertaining to government (including any supra-national bodies such as the European Union or the European Central Bank).

***Guaranty*** of any Person means any obligation, contingent or otherwise, of such Person (i) to pay any Debt of any other Person or (ii) incurred in connection with the issuance by a third person of a Guaranty of Debt of any other Person (whether such obligation arises by agreement to reimburse or indemnify such third Person or otherwise).

***Hazardous Materials*** means (i) petroleum and petroleum products, byproducts or breakdown products, radioactive materials, asbestos-containing materials, polychlorinated biphenyls and radon gas and (ii) any other chemicals, materials or substances designated, classified or regulated as hazardous or toxic or as a pollutant or contaminant under any Environmental Law.

**“Impacted Interest Period”** has the meaning specified for such term in the definition herein of “Eurodollar Rate.”

**“Indemnified Party”** has the meaning specified in Section 8.04(b).

**“Indemnified Taxes”** means (a) Taxes, other than Excluded Taxes, imposed on or with respect to any payment made by or on account of any obligation of the Borrower under any Loan Document and (b) to the extent not otherwise described in (a), Other Taxes.

**“Initial Lenders”** has the meaning specified in the recital of parties to this Agreement.

**“Interest Period”** means, for each Eurodollar Rate Advance comprising part of the same Borrowing, the period commencing on the date of such Eurodollar Rate Advance or the date of the Conversion of any Base Rate Advance into such Eurodollar Rate Advance and ending on the last day of the period selected by the Borrower pursuant to the provisions below and, thereafter, with respect to Eurodollar Rate Advances, each subsequent period commencing on the last day of the immediately preceding Interest Period and ending on the last day of the period selected by the Borrower pursuant to the provisions below. The duration of each such Interest Period shall be one, two, three or six months (or, for any Borrowing, any period specified by the Borrower that is shorter than one month, if all Lenders agree), as the Borrower may, upon notice received by the Administrative Agent not later than 11:00 A.M. on the third Business Day prior to the first day of such Interest Period, select; *provided, however,* that:

- (i) the Borrower may not select any Interest Period that ends after the Termination Date of any Lender;
- (ii) Interest Periods commencing on the same date for Eurodollar Rate Advances comprising part of the same Borrowing shall be of the same duration;
- (iii) whenever the last day of any Interest Period would otherwise occur on a day other than a Business Day, the last day of such Interest Period shall be extended to occur on the next succeeding Business Day, *provided, however,* that, if such extension would cause the last day of such Interest Period to occur in the next following calendar month, the last day of such Interest Period shall occur on the next preceding Business Day; and
- (iv) whenever the first day of any Interest Period occurs on a day of an initial calendar month for which there is no numerically corresponding day in the calendar month that succeeds such initial calendar month by the number of months equal to the number of months in such Interest Period, such Interest Period shall end on the last Business Day of such succeeding calendar month.

**"Internal Revenue Code"** means the Internal Revenue Code of 1986, as amended from time to time, and the regulations promulgated and rulings issued thereunder.

**"IRS"** means the United States Internal Revenue Service.

**"Joint Lead Arrangers"** means PNC Capital Markets LLC, Wells Fargo Bank, National Association, Keybank National Association, U.S. Bank National Association, Sumitomo Mitsui Banking Corporation and SunTrust Robinson Humphrey, Inc., in their capacities as joint lead arrangers and joint bookrunners for the credit facilities provided for herein.

**"Lender Commitment Increase Agreement"** has the meaning specified in Section 2.18.

**"Lender Joinder Agreement"** has the meaning specified in Section 2.18.

**"Lenders"** means, at any time, collectively, (i) the Initial Lenders (other than any such Initial Lenders that have previously assigned all of their respective Advances and Commitments to other Persons in accordance with Section 8.07(b) or Section 2.18 at such time), and (ii) any other Persons that have become Lenders holding Advances and/or Commitments at such time in accordance with Section 8.07(b) or Section 2.18.

**"Lien"** means any lien, security interest or other charge or encumbrance of any kind, or any other type of preferential arrangement, including, without limitation, the lien or retained security title of a conditional vendor and any easement, right of way or other encumbrance on title to real property.

**"Loan Documents"** means, collectively, (i) the Fee Letter, (ii) this Agreement and (iii) each promissory note issued pursuant to Section 2.07(d), in each case, as any of the foregoing may be amended, supplemented or modified from time to time.

**"Margin Regulations"** means Regulations T, U and X of the Board of Governors of the Federal Reserve System, as in effect from time to time.

**"Margin Stock"** has the meaning specified in the Margin Regulations.

**"Material Adverse Change"** means any material adverse change (i) in the business, condition (financial or otherwise) or operations of the Borrower and its Subsidiaries, taken as a whole, or (ii) that is reasonably likely to affect the legality, validity or enforceability of this Agreement against the Borrower or the ability of the Borrower to perform its obligations under this Agreement.

**"Material Adverse Effect"** means a material adverse effect (i) on the business, condition (financial or otherwise) or operations of the Borrower and its Subsidiaries, taken as a whole, or (ii) that is reasonably likely to affect the legality, validity or enforceability of this Agreement against the Borrower or the ability of the Borrower to perform its obligations under this Agreement.

**"Moody's"** means Moody's Investors Service, Inc.

“**Multiemployer Plan**” has the meaning specified in Section 4.01(i).

“**Non-Consenting Lender**” means any Lender that does not approve any consent, waiver or amendment that (i) requires the approval of all Lenders in accordance with the terms of Section 8.01 and (ii) has been approved by the Required Lenders.

“**Non-Defaulting Lender**” means, at any time, each Lender that is not a Defaulting Lender at such time.

“**Notice of Borrowing**” has the meaning specified in Section 2.02(a).

“**Other Connection Taxes**” means, with respect to any Recipient, Taxes imposed as a result of a present or former connection between such Recipient and the jurisdiction imposing such Tax (other than connections arising from such Recipient having executed, delivered, become a party to, performed its obligations under, received payments under, received or perfected a security interest under, engaged in any other transaction pursuant to or enforced any Loan Document, or sold or assigned an interest in any Advance, Commitment or Loan Document).

“**Other Taxes**” means all present or future stamp, court or documentary, intangible, recording, filing or similar Taxes that arise from any payment made under, from the execution, delivery, performance, enforcement or registration of, from the receipt or perfection of a security interest under, or otherwise with respect to, any Loan Document, except any such Taxes that are Other Connection Taxes imposed with respect to an assignment (other than an assignment made pursuant to Section 2.17(b)).

“**Parent**” means, with respect to any Lender, any Person as to which such Lender is, directly or indirectly, a subsidiary.

“**Participant**” has the meaning specified in Section 8.07(d).

“**Participant Register**” has the meaning specified in Section 8.07(d).

“**Patriot Act**” has the meaning specified in Section 8.14.

“**Permitted Liens**” means such of the following as to which no enforcement, collection, execution, levy or foreclosure proceeding shall have been commenced: (i) Liens for taxes, assessments and governmental charges or levies to the extent not required to be paid under Section 5.01(g) hereof; (ii) Liens imposed by law, such as materialmen’s, mechanics’, carriers’, workmen’s and repairmen’s Liens, and other similar Liens arising in the ordinary course of business securing obligations that are not overdue for a period of more than 30 days or that are being contested in good faith by appropriate proceedings; (iii) Liens incurred or deposits made to secure obligations under workers’ compensation laws or similar legislation or to secure public or statutory obligations; (iv) easements, rights of way and other encumbrances on title to real property that do not render title to the property encumbered thereby unmarketable or materially adversely affect the use of such property for its present purposes; (v) any judgment Lien, unless an Event of Default under Section 6.01(g) shall have occurred and be continuing; (vi) any Lien on any asset of any Person existing at the time such Person is merged or

consolidated with or into the Borrower or any Significant Subsidiary and not created in contemplation of such event; (vii) deposits made in the ordinary course of business to secure the performance of bids, trade contracts (other than for Debt), operating leases and surety bonds; (viii) Liens upon or in any real property or equipment acquired, constructed, improved or held by the Borrower or any Subsidiary in the ordinary course of business to secure the purchase price of such property or equipment or to secure Debt incurred solely for the purpose of financing the acquisition, construction or improvement of such property or equipment, or Liens existing on such property or equipment at the time of its acquisition (other than any such Liens created in contemplation of such acquisition that were not incurred to finance the acquisition of such property); (ix) extensions, renewals or replacements of any Lien described in clause (iii), (vi), (vii) or (viii) for the same or a lesser amount, *provided, however,* that no such Lien shall extend to or cover any properties not theretofore subject to the Lien being extended, renewed or replaced; and (x) any other Lien not covered by the foregoing exceptions as long as immediately after the creation of such Lien the aggregate principal amount of Debt secured by all Liens created or assumed under this clause (x) does not exceed 10% of Consolidated Tangible Net Assets of the Borrower.

**“Person”** means an individual, partnership, corporation (including a business trust), joint stock company, trust, unincorporated association, joint venture, limited liability company or other entity, or a government or any political subdivision or agency thereof.

**“Plan”** has the meaning specified in Section 4.01(i).

**“Platform”** has the meaning specified in Section 8.02(b).

**“PNC”** has the meaning specified in the recital of parties to this Agreement.

**“PTE”** means a prohibited transaction class exemption issued by the U.S. Department of Labor, as any such exemption may be amended from time to time.

**“Recipient”** means (a) the Administrative Agent and (b) any Lender, as applicable.

**“Register”** has the meaning specified in Section 8.07(c).

**“Related Parties”** means, with respect to any Person, such Person’s Affiliates and the partners, directors, officers, employees, agents, trustees, administrators, managers, advisors and representatives of such Person and of such Person’s Affiliates.

**“Request for Facility Increase”** has the meaning specified in Section 2.18.

**“Required Lenders”** means at any time Lenders owed in excess of 50% of the Advances at such time, or, if there are no Advances, Lenders having in excess of 50% in interest of the Commitments in effect at such time; *provided* that at any time there are two or more Lenders hereunder, the term “Required Lenders” must include at least two Lenders. Subject to Section 8.01, the Advances and Commitments of any Defaulting Lender shall be disregarded in determining Required Lenders at any time.

**"Restructuring Law"** means Texas Senate Bill 7, as enacted by the Legislature of the State of Texas and signed into law on June 18, 1999, Ohio Senate Bill No. 3, as enacted by the General Assembly of the State of Ohio and signed into law on July 6, 1999, or any similar law applicable to the Borrower or any Subsidiary of the Borrower governing the deregulation or restructuring of the electric power industry.

**"RTO Transaction"** means the transfer of transmission facilities to a regional transmission organization or equivalent organization as approved or ordered by the Federal Energy Regulatory Commission.

**"S&P"** means S&P Global Ratings, a business unit of S&P Global, Inc.

**"Sanctions"** means all economic or financial sanctions or trade embargoes imposed, administered or enforced from time to time by (a) the U.S. government, including those administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury or by the U.S. Department of State, or (b) the United Nations Security Council, the European Union, any EU member state, or Her Majesty's Treasury of the United Kingdom.

**"Sanctioned Country"** means, at any time of determination, a country, region or territory that is itself the subject or target of any Sanctions.

**"Sanctioned Person"** means, at any time of determination, (a) any Person listed in any Sanctions-related list of designated Persons maintained by the Office of Foreign Assets Control of the U.S. Department of the Treasury, the U.S. Department of State, the United Nations Security Council, the European Union or any EU member state, (b) any Person operating, organized or resident in a Sanctioned Country, (c) any Person owned or controlled by or acting on behalf of any such Person described in the preceding clause (a) or (b), or (d) any Person with which, to the Borrower's actual knowledge, any Lender is prohibited under Sanctions relevant to it from dealing or engaging in transactions. For purposes of the foregoing, control of a Person shall be deemed to include where a Sanctioned Person (i) owns or has power to vote 25% or more of the issued and outstanding equity interests having ordinary voting power for the election of directors of the Person or other individuals performing similar functions for the Person, or (ii) has the power to direct or cause the direction of the management and policies of the Person, whether by ownership of equity interests, contracts or otherwise.

**"SEC"** means the United States Securities and Exchange Commission.

**"Significant Subsidiary"** means, at any time, any Subsidiary of the Borrower that constitutes at such time a "significant subsidiary" of the Borrower, as such term is defined in Regulation S-X of the SEC as in effect on the date hereof (17 C.F.R. Part 210) (other than AEP Energy Supply LLC or GenCo); *provided, however,* that if AEP Energy Supply LLC or GenCo own, on an aggregate basis, assets exceeding 20% of the Borrower's "total assets" as used in Regulation S-X, AEP Energy Supply LLC or GenCo will be considered Significant Subsidiaries, and *provided, further,* that "total assets" as used in Regulation S-X shall not include securitization transition assets, phase-in cost

assets or similar assets on the balance sheet of any Subsidiary resulting from the issuance of Stranded Cost Recovery Bonds or other asset backed securities of a similar nature.

**"Stranded Cost Recovery Bonds"** means securities, however denominated, that are issued by the Borrower or any Consolidated Subsidiary of the Borrower that are (i) non-recourse to the Borrower and its Significant Subsidiaries (other than for failure to collect and pay over the charges referred to in clause (ii) below) and (ii) payable solely from transition or similar charges authorized by law (including, without limitation, any "financing order", as such term is defined in the Texas Utilities Code) to be invoiced to customers of any Subsidiary of the Borrower or to retail electric providers.

**"Subsidiary"** of any Person means any corporation, partnership, joint venture, limited liability company, trust or estate of which (or in which) more than 50% of (i) the issued and outstanding capital stock having ordinary voting power to elect a majority of the board of directors of such corporation (irrespective of whether at the time capital stock of any other class or classes of such corporation shall or might have voting power upon the occurrence of any contingency), (ii) the interest in the capital or profits of such limited liability company, partnership or joint venture or (iii) the beneficial interest in such trust or estate is at the time directly or indirectly owned or controlled by such Person, by such Person and one or more of its other Subsidiaries or by one or more of such Person's other Subsidiaries.

**"Taxes"** means all present or future taxes, levies, imposts, duties, deductions, withholdings (including backup withholding), assessments, fees or other charges imposed by any Governmental Authority, including any interest, additions to tax or penalties applicable thereto.

**"Termination Date"** means, with respect to any Lender, the earlier to occur of (i) March 22, 2021 or such later date that may be established for such Lender from time to time pursuant to Section 2.04 hereof, and (ii) the date on which the obligations hereunder are made due and payable pursuant to Section 6.01.

**"Type"** refers to the distinction between Advances bearing interest at the Base Rate and Advances bearing interest at the Eurodollar Rate.

**"U.S. Person"** means any Person that is a "United States Person" as defined in Section 7701(a)(30) of the Internal Revenue Code.

**"U.S. Tax Compliance Certificate"** has the meaning specified in Section 2.15(g)(ii)(B)(iii).

**"Voting Stock"** means capital stock issued by a corporation, or equivalent interests in any other Person, the holders of which are ordinarily, in the absence of contingencies, entitled to vote for the election of directors (or Persons performing similar functions) of such Person, even if the right so to vote has been suspended by the happening of such a contingency.

**"Withholding Agent"** means the Borrower and the Administrative Agent.

**“Write-Down and Conversion Powers”** means, with respect to any EEA Resolution Authority, the write-down and conversion powers of such EEA Resolution Authority from time to time under the Bail-In Legislation for the applicable EEA Member Country, which write-down and conversion powers are described in the EU Bail-In Legislation Schedule.

#### ***SECTION 1.02. Computation of Time Periods.***

In this Agreement in the computation of periods of time from a specified date to a later specified date, the word “from” means “from and including” and the words “to” and “until” each mean “to but excluding”.

#### ***SECTION 1.03. Accounting Terms.***

All accounting terms not specifically defined herein shall be construed in accordance with generally accepted accounting principles applied in accordance with the consistency requirements thereof as in effect from time to time (“**GAAP**”); *provided* that (i) if the Borrower, by notice to the Administrative Agent, shall request an amendment to any provision hereof to eliminate the effect of any change occurring after the Closing Date in GAAP or in the application thereof on the operation of such provision (or if the Administrative Agent or the Required Lenders, by notice to the Borrower, shall request an amendment to any provision hereof for such purpose), regardless of whether any such notice is given before or after such change in GAAP or in the application thereof, then such provision shall be interpreted on the basis of GAAP as in effect and applied immediately before such change shall have become effective until such notice shall have been withdrawn or such provision amended in accordance herewith and (ii) notwithstanding any other provision contained herein, all terms of an accounting or financial nature used herein shall be construed, and all computations of amounts and ratios referred to herein shall be made, without giving effect to any change to GAAP occurring after the Closing Date as a result of the adoption of any proposals set forth in the *Proposed Accounting Standards Update, Leases (Topic 840)*, issued by the Financial Accounting Standards Board on August 17, 2010, or any other proposals issued by the Financial Accounting Standards Board in connection therewith, in each case to the extent that such change would require treating any operating lease entered into on or prior to December 31, 2018 that would not otherwise constitute Debt as a capital lease where such operating lease would not constitute Debt and was not required to be so treated under GAAP as in effect on the Closing Date.

#### ***SECTION 1.04. Other Interpretive Provisions.***

As used herein, except as otherwise specified herein, (i) references to any Person include its successors and assigns and, in the case of any Governmental Authority, any Person succeeding to its functions and capacities; (ii) references to any Applicable Law include amendments, supplements and successors thereto; (iii) references to specific sections, articles, annexes, schedules and exhibits are to this Agreement; (iv) words importing any gender include the other gender; (v) the singular includes the plural and the plural includes the singular; (vi) the words “including”, “include” and “includes” shall be deemed to be followed by the words “without limitation”; (vii) captions and headings are for ease of reference only and shall not affect the construction hereof; and (viii) references to any time of day shall be to New York City time unless otherwise specified. For all purposes under the Loan Documents, in connection with

any division or plan of division under Delaware law (or any comparable event under a different jurisdiction's laws) if any asset, right, obligation or liability of any Person becomes the asset, right, obligation or liability of a different Person, then it shall be deemed to have been transferred from the original Person to the subsequent Person.

## ARTICLE II AMOUNTS AND TERMS OF THE ADVANCES

### ***SECTION 2.01. The Advances.***

(a) Each Lender severally agrees, on the terms and conditions hereinafter set forth, to make Advances to the Borrower on the Closing Date in an aggregate outstanding amount not to exceed at any time such Lender's Commitment at such time. Within the limits of each Lender's Commitment from time to time and as hereinabove and hereinafter provided, the Borrower may request Borrowings hereunder, and repay or prepay Advances pursuant to Section 2.11. Amounts repaid or prepaid in respect of Advances may not be reborrowed.

(b) In the event any increase in the Facility and the Commitments thereunder is undertaken pursuant to Section 2.18, the Borrower shall be required to make a Borrowing in an amount equal to such increased Commitments on the date which is not more than five (5) Business Days following the effectiveness of such increase pursuant to the terms of Section 2.02.

### ***SECTION 2.02. Making the Advances.***

(a) Each Borrowing shall consist of Advances of the same Type made on the same day by the Lenders ratably according to their respective Commitment Percentages. The Borrower shall give notice to the Administrative Agent, (i) not later than 11:00 A.M. three (3) Business Days prior to the applicable Borrowing Date, of a Borrowing consisting of Eurodollar Rate Advances, or (ii) not later than 9:30 A.M. on the applicable Borrowing Date, in the case of a Borrowing consisting of Base Rate Advances, and the Administrative Agent shall give to each Lender prompt written notice of such Borrowing. Each such notice of a Borrowing under this Section 2.02 (a "Notice of Borrowing") shall be by telephone, confirmed immediately in writing, or fax in substantially the form of Exhibit A hereto, specifying therein the requested (i) Borrowing Date for such Borrowing, (ii) Type of Advances comprising such Borrowing, (iii) aggregate amount of such Borrowing, and (iv) in the case of a Borrowing consisting of Eurodollar Rate Advances, the initial Interest Period for each such Advance. Each Lender shall, before 12:00 Noon on the applicable Borrowing Date, make available for the account of its Applicable Lending Office to the Administrative Agent at the Agent's Account, in same day funds, such Lender's ratable portion of the Borrowing to be made on such Borrowing Date. After the Administrative Agent's receipt of such funds and upon fulfillment of the applicable conditions set forth in Section 3.02, the Administrative Agent will promptly make such funds available to the Borrower in such manner as the Borrower shall have specified in the applicable Notice of Borrowing and as shall be reasonably acceptable to the Administrative Agent.

(b) Anything in subsection (a) above to the contrary notwithstanding, (i) the Borrower may not select Eurodollar Rate Advances if the obligation of the Lenders to make Eurodollar Rate Advances shall then be suspended pursuant to Section 2.09.

(c) Each Notice of Borrowing shall be irrevocable and binding on the Borrower. In the case of any Borrowing that the related Notice of Borrowing specifies is to comprise Eurodollar Rate Advances, the Borrower shall indemnify each Lender against any loss, cost or expense incurred by such Lender as a result of any failure to fulfill on or before the date specified in such Notice of Borrowing for such Borrowing the applicable conditions set forth in Section 3.02, including, without limitation, any loss (including loss of anticipated profits), cost or expense incurred by reason of the liquidation or reemployment of deposits or other funds acquired by such Lender to fund the Advance to be made by such Lender as part of such Borrowing when such Advance, as a result of such failure, is not made on such date.

(d) Unless the Administrative Agent shall have received notice in writing from a Lender prior to any Borrowing Date or, in the case of a Base Rate Advance, prior to the time of Borrowing, that such Lender will not make available to the Administrative Agent such Lender's Advance as part of the Borrowing to be made on such Borrowing Date, the Administrative Agent may, but shall not be required to, assume that such Lender has made such portion available to the Administrative Agent on such Borrowing Date in accordance with subsection (a) of this Section 2.02, and the Administrative Agent may (but it shall not be required to), in reliance upon such assumption, make available to the Borrower on such date a corresponding amount. If and to the extent that such Lender shall not have so made such Advance available to the Administrative Agent, such Lender and the Borrower severally agree to repay to the Administrative Agent forthwith on demand such corresponding amount, together with interest thereon, for each day from the date such amount is made available to the Borrower until the date such amount is repaid to the Administrative Agent, at (i) in the case of the Borrower, the interest rate applicable at the time to Advances comprising such Borrowing and (ii) in the case of such Lender, the Federal Funds Rate. If such Lender shall repay to the Administrative Agent such corresponding amount, such amount so repaid shall constitute such Lender's Advance as part of such Borrowing for purposes of this Agreement.

(e) The failure of any Lender to make the Advance to be made by it as part of any Borrowing shall not relieve any other Lender of its obligation, if any, hereunder to make its Advance on the date of such Borrowing, but no Lender shall be responsible for the failure of any other Lender to make the Advance to be made by such other Lender on the date of any Borrowing.

#### ***SECTION 2.03. Fees.***

(a) The Borrower shall pay to the Administrative Agent (i) for the account of each Lender a structuring fee as set forth in the Fee Letter and (ii) such other fees as may from time to time be agreed between the Borrower and the Administrative Agent.

#### ***SECTION 2.04. Extension of the Termination Date.***

(a) Not earlier than 60 days prior to, nor later than 30 days prior to the first anniversary of the date of this Agreement, the Borrower may request by notice made to the Administrative Agent (which shall promptly notify the Lenders thereof) a one-year extension of the Termination Date. Each Lender shall notify the Administrative Agent by the date specified by the Administrative Agent (which date shall be a Business Day and shall not be less than 15 days prior to, nor more than 30 days prior to, the Extension Effective Date) that either (A) such

Lender declines to consent to extending the Termination Date or (B) such Lender consents to extending the Termination Date. Any Lender not responding within the above time period shall be deemed not to have consented to extending the Termination Date. The Administrative Agent shall, after receiving the notifications from all of the Lenders or the expiration of such period, whichever is earlier, notify the Borrower and the Lenders of the results thereof. The Borrower may request no more than one extension pursuant to this Section.

(b) If any Lender declines, or is deemed to have declined, to consent to such request for extension (each a "**Declining Lender**"), the Borrower shall have the right to replace such Declining Lender in accordance with Section 2.17(b). Any Lender replacing a Declining Lender shall be deemed to have consented to such request for extension (regardless of when such replacement is effective) and shall not be deemed to be a Declining Lender.

(c) If the Required Lenders have consented to the extension of the Termination Date, the Termination Date shall be extended (solely with respect each Lender that consented to the extension) to the date that is one year after the then-effective Termination Date, effective as of the date to be determined by the Administrative Agent and the Borrower (the "**Extension Effective Date**"). On or prior to the Extension Effective Date, the Borrower shall deliver to the Administrative Agent, in form and substance satisfactory to the Administrative Agent, (i) the resolutions of the Borrower authorizing such extension, certified as being in effect as of the Extension Effective Date and the related incumbency certificate of the Borrower, (ii) a favorable opinion of counsel for the Borrower (which may be an attorney of American Electric Power Service Corporation), as to such matters as any Lender through the Administrative Agent may reasonably request and (iii) a certificate of the Borrower stating that on and as of such Extension Effective Date, and after giving effect to the extension to be effective on such date, all conditions precedent to an Extension of Credit are satisfied. On each Extension Effective Date, the Declining Lender shall have received payment in full of the principal amount of all Advances outstanding owing to such Declining Lender and all interest thereon and all fees and other amounts (including, without limitation, any amounts payable pursuant to Section 8.04(c)) payable to such Declining Lender accrued through such Extension Effective Date. Promptly following such Extension Effective Date, the Administrative Agent shall distribute an amended Schedule I to this Agreement (which shall thereafter be incorporated into this Agreement) to reflect any changes in the Lenders, the Commitments and each Lender's Commitment Percentage as of such Extension Effective Date.

#### ***SECTION 2.05. [Reserved]***

#### ***SECTION 2.06. Repayment of Advances.***

The Borrower shall repay to the Administrative Agent for the account of each Lender on the Termination Date with respect to such Lender the aggregate principal amount of all Advances made by such Lender to the Borrower then outstanding.

#### ***SECTION 2.07. Evidence of Indebtedness.***

(a) Each Lender shall maintain in accordance with its usual practice an account or accounts evidencing the indebtedness to such Lender resulting from each Advance made by such

Lender from time to time, including the amounts of principal and interest payable and paid to such Lender from time to time under this Agreement.

(b) The Administrative Agent shall maintain accounts in which it will record (i) the amount of each Advance made hereunder, the Type of each Advance made and the Interest Period applicable thereto, (ii) the amount of any principal or interest due and payable or to become due and payable from the Borrower to each Lender hereunder and (iii) the amount of any sum received by the Administrative Agent hereunder from the Borrower and each Lender's share thereof.

(c) The entries made in the accounts maintained pursuant to subsections (a) and (b) of this Section 2.07 shall, to the extent permitted by Applicable Law, be prima facie evidence of the existence and amounts of the obligations therein recorded; provided, however, that the failure of any Lender or the Administrative Agent to maintain such accounts or any error therein shall not in any manner affect the obligations of the Borrower to repay the Advances and interest thereon in accordance with their terms.

(d) Any Lender may request that any Advances made by it be evidenced by one or more promissory notes. In such event, the Borrower shall prepare, execute and deliver to such Lender one or more promissory notes payable to such Lender (or, if requested by such Lender, to such Lender and its assignees) and in a form approved by the Administrative Agent. Thereafter, the Advances evidenced by such promissory notes and interest thereon shall at all times (including after assignment pursuant to Section 8.07) be represented by one or more promissory notes in such form payable to the payee named therein.

#### ***SECTION 2.08. Interest on Advances.***

The Borrower shall pay interest on the unpaid principal amount of each Advance from the date of such Advance until such principal amount shall be paid in full, at the following rates per annum:

(a) ***Base Rate Advances.*** During such periods as such Advance is a Base Rate Advance, a rate per annum equal at all times to the sum of (x) the Base Rate plus (y) the Applicable Margin for Base Rate Advances, payable in arrears quarterly on the last day of each March, June, September and December during such periods and on the date such Base Rate Advance shall be Converted or paid in full.

(b) ***Eurodollar Rate Advances.*** During such periods as such Advance is a Eurodollar Rate Advance, a rate per annum equal at all times during each Interest Period for such Advance to the sum of (x) the Eurodollar Rate for such Interest Period for such Advance plus (y) the Applicable Margin for Eurodollar Rate Advances, payable in arrears on the last day of such Interest Period and, if such Interest Period has a duration of more than three months, on each day that occurs during such Interest Period every three months from the first day of such Interest Period and on the date such Eurodollar Rate Advance shall be Converted or paid in full.

(c) ***Additional Interest on Eurodollar Rate Advances.*** The Borrower shall pay to each Lender, so long as such Lender shall be required under regulations of the Board of Governors of the Federal Reserve System to maintain reserves with respect to liabilities or assets consisting of or including Eurocurrency Liabilities, additional interest on the unpaid principal amount of each Eurodollar Rate Advance of such Lender, from the date of such Advance until such principal amount is paid in full, at an interest rate *per annum* equal at all times to the remainder obtained by subtracting (i) the Eurodollar Rate for the Interest Period for such Advance from (ii) the rate obtained by dividing such Eurodollar Rate by a percentage equal to 100% *minus* the Eurodollar Rate Reserve Percentage of such Lender for such Interest Period, payable on each date on which interest is payable on such Advance. Such additional interest shall be determined by such Lender and notified to the Borrower through the Administrative Agent.

#### **SECTION 2.09. Interest Rate Determination.**

(a) The Administrative Agent shall give prompt notice to the Borrower and the Lenders of the applicable interest rate determined by the Administrative Agent for purposes of Section 2.08(a) or (b), and, if applicable, the rate for the purpose of determining the applicable interest rate under Section 2.08(c).

(b) If, with respect to any Eurodollar Rate Advances, (i) the Required Lenders notify the Administrative Agent that the Eurodollar Rate for any Interest Period for such Advances will not adequately reflect the cost to such Required Lenders of making, funding or maintaining their respective Eurodollar Rate Advances for such Interest Period, or (ii) the Administrative Agent determines that adequate and fair means do not exist for ascertaining the applicable interest rate on the basis provided for in the definition of Eurodollar Rate, the Administrative Agent shall forthwith so notify the Borrower and the Lenders, whereupon (A) each Eurodollar Rate Advance will automatically, on the last day of the then existing Interest Period therefor, Convert into a Base Rate Advance, and (B) the obligation of the Lenders to make, or to Convert Advances into, Eurodollar Rate Advances shall be suspended until the Administrative Agent shall notify the Borrower and the Lenders that the circumstances causing such suspension no longer exist.

(c) If the Borrower shall fail to select the duration of any Interest Period for any Eurodollar Rate Advances in accordance with the provisions contained in the definition of "Interest Period" in Section 1.01, the Administrative Agent will forthwith so notify the Borrower and the Lenders and such Advances will automatically, on the last day of the then existing Interest Period therefor, Convert into Base Rate Advances.

(d) On the date on which the aggregate unpaid principal amount of Eurodollar Rate Advances comprising any Borrowing shall be reduced, by payment or prepayment or otherwise, to less than \$10,000,000, such Advances shall automatically Convert into Base Rate Advances.

(e) Upon the occurrence and during the continuance of any Event of Default, (i) each Eurodollar Rate Advance will automatically, on the last day of the then existing Interest Period therefor, Convert into a Base Rate Advance and (ii) the obligation of the Lenders to make, or to Convert Advances into, Eurodollar Rate Advances shall be suspended.

#### ***SECTION 2.10. Optional Conversion of Advances.***

The Borrower may on any Business Day, upon notice given to the Administrative Agent not later than 12:00 noon on the third Business Day prior to the date of the proposed Conversion and subject to the provisions of Sections 2.09 and 2.13, Convert all or any part of Advances of one Type comprising the same Borrowing into Advances of the other Type or of the same Type but having a new Interest Period; *provided, however,* that any Conversion of Eurodollar Rate Advances into Base Rate Advances shall be made only on the last day of an Interest Period for such Eurodollar Rate Advances, any Conversion of Base Rate Advances into Eurodollar Rate Advances shall be in an amount not less than the minimum amount specified in Section 2.02(b) and no Conversion of any Advances shall result in more separate Borrowings than permitted under Section 2.02(b). Each such notice of a Conversion shall, within the restrictions specified above, specify (i) the date of such Conversion, (ii) the Advances to be Converted, and (iii) if such Conversion is into Eurodollar Rate Advances, the duration of the initial Interest Period for each such Advance. Each notice of Conversion shall be irrevocable and binding on the Borrower.

#### ***SECTION 2.11. Optional Prepayments of Advances.***

The Borrower may, upon at least two Business Days' notice, in the case of Eurodollar Rate Advances, and upon notice not later than 11:00 A.M. (New York City time) on the date of prepayment, in the case of Base Rate Advances, to the Administrative Agent stating the proposed date and aggregate principal amount of the prepayment, and, if such notice is given, the Borrower shall prepay the outstanding principal amount of the Advances comprising part of the same Borrowing in whole or ratably in part, together with accrued interest to the date of such prepayment on the principal amount prepaid; *provided, however,* that (x) each partial prepayment shall be in a minimum amount of \$5,000,000 or an integral multiple of \$1,000,000 in excess thereof, and (y) in the event of any such prepayment of a Eurodollar Rate Advance, the Borrower shall be obligated to reimburse the Lenders in respect thereof pursuant to Section 8.04(c).

#### ***SECTION 2.12. Increased Costs.***

(a) ***Increased Costs Generally.*** If any Change in Law shall:

(i) impose, modify or deem applicable any reserve, special deposit, compulsory loan, insurance charge or similar requirement against assets of, deposits with or for the account of, or credit extended or participated in by, any Lender (except any reserve requirement reflected in the Eurodollar Rate Reserve Percentage, in the case of Eurodollar Rate Advances);

(ii) subject any Recipient to any Taxes (other than (A) Indemnified Taxes, (B) Taxes described in clauses (b) through (d) of the definition of Excluded Taxes and (C) Connection Income Taxes) on its loans, loan principal, letters of credit, commitments, or other obligations, or its deposits, reserves, other liabilities or capital attributable thereto; or

(ii) impose on any Lender or the London interbank market any other condition, cost or expense (other than Taxes) affecting this Agreement or Advances made by such Lender;

and the result of any of the foregoing shall be to increase the cost to such Lender or such other Recipient of making, converting to, continuing or maintaining any Advance or of maintaining its obligation to make any such Advance, or to reduce the amount of any sum received or receivable by such Lender or other Recipient hereunder (whether of principal, interest or any other amount) then, upon request of such Lender or other Recipient, the Borrower will pay to such Lender or other Recipient, as the case may be, such additional amount or amounts as will compensate such Lender or other Recipient, as the case may be, for such additional costs incurred or reduction suffered.

(b) ***Capital Requirements.*** If any Lender determines that any Change in Law affecting such Lender or any Applicable Lending Office of such Lender or such Lender's holding company, if any, regarding capital or liquidity requirements, has or would have the effect of reducing the rate of return on such Lender's capital or on the capital of such Lender's holding company, if any, as a consequence of this Agreement, the Commitments of such Lender or the Advances made by such Lender, such Lender, to a level below that which such Lender or such Lender's holding company could have achieved but for such Change in Law (taking into consideration such Lender's policies and the policies of such Lender's holding company with respect to capital adequacy and liquidity), then from time to time the Borrower will pay to such Lender such additional amount or amounts as will compensate such Lender or such Lender's holding company for any such reduction suffered.

(c) ***Certificates for Reimbursement.*** A certificate of a Lender setting forth the amount or amounts necessary to compensate such Lender or its holding company, as the case may be, as specified in subsection (a) or (b) of this Section and delivered to the Borrower, shall be conclusive absent manifest error. The Borrower shall pay such Lender, as the case may be, the amount shown as due on any such certificate within ten days after receipt thereof.

(d) ***Delay in Requests.*** Failure or delay on the part of any Lender to demand compensation pursuant to this Section shall not constitute a waiver of such Lender's right to demand such compensation; *provided* that the Borrower shall not be required to compensate a Lender pursuant to this Section for any increased costs incurred or reductions suffered more than six months prior to the date that such Lender notifies the Borrower of the Change in Law giving rise to such increased costs or reductions, and of such Lender's intention to claim compensation therefor (except that, if the Change in Law giving rise to such increased costs or reductions is retroactive, then the six-month period referred to above shall be extended to include the period of retroactive effect thereof).

### ***SECTION 2.13. Illegality.***

If due to any Change in Law it shall become unlawful or impossible for any Credit Party (or its Eurodollar Lending Office) to make, maintain or fund its Eurodollar Rate Advances, and such Credit Party shall so notify the Administrative Agent, the Administrative Agent shall forthwith give notice thereof to the other Credit Parties and the Borrower, whereupon, until such Credit Party notifies the Borrower and the Administrative Agent that the circumstances giving

rise to such suspension no longer exist, the obligation of such Credit Party to make Eurodollar Rate Advances, or to Convert outstanding Advances into Eurodollar Rate Advances, shall be suspended. Before giving any notice to the Administrative Agent pursuant to this Section 2.13, such Credit Party shall use reasonable efforts (consistent with its internal policy and legal and regulatory restrictions applicable to such Credit Party) to designate a different Eurodollar Lending Office if such designation would avoid the need for giving such notice and would not, in the judgment of such Credit Party, be otherwise disadvantageous to such Credit Party. If such notice is given, each Eurodollar Rate Advance of such Credit Party then outstanding shall be converted to a Base Rate Advance either (i) on the last day of the then current Interest Period applicable to such Eurodollar Rate Advance if such Credit Party may lawfully continue to maintain and fund such Advance to such day or (ii) immediately if such Credit Party shall determine that it may not lawfully continue to maintain and fund such Advance to such day.

#### ***SECTION 2.14. Payments and Computations.***

(a) The Borrower shall make each payment to be made by it hereunder not later than 1:00 P.M. on the day when due in Dollars to the Administrative Agent at the Agent's Account in same day funds without condition or deduction for any counterclaim, defense, recoupment or setoff. The Administrative Agent will promptly thereafter cause to be distributed like funds relating to the payment of principal or interest or fees ratably (other than amounts payable pursuant to Section 2.08(c), 2.12, 2.15, 8.04(c) or 8.16) to the Lenders for the account of their respective Applicable Lending Offices, and like funds relating to the payment of any other amount payable to any Lender to such Lender for the account of its Applicable Lending Office, in each case to be applied in accordance with the terms of this Agreement. Upon its acceptance of an Assignment and Assumption and recording of the information contained therein in the Register pursuant to Section 8.07(c), from and after the effective date specified in such Assignment and Assumption, the Administrative Agent shall make all payments hereunder in respect of the interest assigned thereby to the Lender assignee thereunder, and the parties to such Assignment and Assumption shall make all appropriate adjustments in such payments for periods prior to such effective date directly between themselves.

(b) The Borrower hereby authorizes each Lender, if and to the extent payment owed to such Lender is not made when due hereunder, after any applicable grace period, to charge from time to time against any or all of the Borrower's accounts with such Lender any amount so due.

(c) All computations of interest based on the rate referred to in clause (i) of the definition of the "Base Rate" contained in Section 1.01 shall be made by the Administrative Agent on the basis of a year of 365 or 366 days, as the case may be, and all computations of interest based on the Eurodollar Rate and of fees shall be made by the Administrative Agent on the basis of a year of 360 days, in each case for the actual number of days (including the first day but excluding the last day) occurring in the period for which such interest or fees are payable. Each determination by the Administrative Agent of an interest rate or fee hereunder shall be conclusive and binding for all purposes, absent manifest error.

(d) Whenever any payment hereunder shall be stated to be due on a day other than a Business Day, such payment shall be made on the next succeeding Business Day, and such extension of time shall in such case be included in the computation of payment of interest or

fees, as the case may be; *provided, however,* that, if such extension would cause payment of interest on or principal of Eurodollar Rate Advances to be made in the next following calendar month or on a date after the Termination Date, such payment shall be made on the next preceding Business Day.

(e) Unless the Administrative Agent shall have received notice from the Borrower prior to the date on which any payment is due to a Lender hereunder that the Borrower will not make such payment in full, the Administrative Agent may assume that the Borrower has made such payment in full to the Administrative Agent on such date, and the Administrative Agent may, in reliance upon such assumption, cause to be distributed to each Lender on such due date an amount equal to the amount then due such Lender. If and to the extent that the Borrower shall not have so made such payment in full to the Administrative Agent, each Lender shall repay to the Administrative Agent forthwith on demand such amount distributed to such Lender together with interest thereon, for each day from the date such amount is distributed to such Lender until the date such Lender repays such amount to the Administrative Agent, at the Federal Funds Rate.

#### ***SECTION 2.15. Taxes.***

(a) ***Defined Terms.*** For purposes of this Section 2.15, the term "Applicable Law" includes FATCA.

(b) ***Payments Free of Taxes.*** Any and all payments by or on account of any obligation of the Borrower under any Loan Document shall be made without deduction or withholding for any Taxes, except as required by Applicable Law. If any Applicable Law (as determined in the good faith discretion of an applicable Withholding Agent) requires the deduction or withholding of any Tax from any such payment by a Withholding Agent, then the applicable Withholding Agent shall be entitled to make such deduction or withholding and shall timely pay the full amount deducted or withheld to the relevant Governmental Authority in accordance with Applicable Law and, if such Tax is an Indemnified Tax, then the sum payable by the Borrower shall be increased as necessary so that after such deduction or withholding has been made (including such deductions and withholdings applicable to additional sums payable under this Section) the applicable Recipient receives an amount equal to the sum it would have received had no such deduction or withholding been made.

(c) ***Payment of Other Taxes by the Borrower.*** The Borrower shall timely pay to the relevant Governmental Authority in accordance with Applicable Law, or at the option of the Administrative Agent timely reimburse it for the payment of, any Other Taxes.

(d) ***Indemnification by the Borrower.*** The Borrower shall indemnify each Recipient, within 10 days after demand therefor, for the full amount of any Indemnified Taxes (including Indemnified Taxes imposed or asserted on or attributable to amounts payable under this Section) payable or paid by such Recipient or required to be withheld or deducted from a payment to such Recipient and any reasonable expenses arising therefrom or with respect thereto, whether or not such Indemnified Taxes were correctly or legally imposed or asserted by the relevant Governmental Authority. A certificate as to the amount of such payment or liability delivered to the Borrower by a Lender (with a copy to the Administrative Agent), or by the Administrative Agent on its own behalf or on behalf of a Lender, shall be conclusive absent manifest error.

(e) ***Indemnification by the Lenders.*** Each Lender shall severally indemnify the Administrative Agent, within 10 days after demand therefor, for (i) any Indemnified Taxes attributable to such Lender (but only to the extent that the Borrower has not already indemnified the Administrative Agent for such Indemnified Taxes and without limiting the obligation of the Borrower to do so), (ii) any Taxes attributable to such Lender's failure to comply with the provisions of Section 8.07(d) relating to the maintenance of a Participant Register and (iii) any Excluded Taxes attributable to such Lender, in each case, that are payable or paid by the Administrative Agent in connection with any Loan Document, and any reasonable expenses arising therefrom or with respect thereto, whether or not such Taxes were correctly or legally imposed or asserted by the relevant Governmental Authority. A certificate as to the amount of such payment or liability delivered to any Lender by the Administrative Agent shall be conclusive absent manifest error. Each Lender hereby authorizes the Administrative Agent to set off and apply any and all amounts at any time owing to such Lender under any Loan Document or otherwise payable by the Administrative Agent to the Lender from any other source against any amount due to the Administrative Agent under this subsection (e).

(f) ***Evidence of Payments.*** As soon as practicable after any payment of Taxes by the Borrower to a Governmental Authority pursuant to this Section 2.15, the Borrower shall deliver to the Administrative Agent the original or a certified copy of a receipt issued by such Governmental Authority evidencing such payment, a copy of the return reporting such payment or other evidence of such payment reasonably satisfactory to the Administrative Agent.

(g) ***Status of Lenders.*** (i) Any Lender that is entitled to an exemption from or reduction of withholding Tax with respect to payments made under any Loan Document shall deliver to the Borrower and the Administrative Agent, at the time or times reasonably requested by the Borrower or the Administrative Agent, such properly completed and executed documentation reasonably requested by the Borrower or the Administrative Agent as will permit such payments to be made without withholding or at a reduced rate of withholding. In addition, any Lender, if reasonably requested by the Borrower or the Administrative Agent, shall deliver such other documentation prescribed by Applicable Law or reasonably requested by the Borrower or the Administrative Agent as will enable the Borrower or the Administrative Agent to determine whether or not such Lender is subject to backup withholding or information reporting requirements. Notwithstanding anything to the contrary in the preceding two sentences, the completion, execution and submission of such documentation (other than such documentation set forth in Section 2.15(g)(ii)(A), (ii)(B) and (ii)(D) below) shall not be required if in the Lender's reasonable judgment such completion, execution or submission would subject such Lender to any material unreimbursed cost or expense or would materially prejudice the legal or commercial position of such Lender.

(ii) Without limiting the generality of the foregoing,

(A) any Lender that is a U.S. Person shall deliver to the Borrower and the Administrative Agent on or prior to the date on which such Lender becomes a Lender under this Agreement (and from time to time thereafter upon the reasonable request of the Borrower or the Administrative Agent), executed copies of IRS Form W-9 certifying that such Lender is exempt from U.S. federal backup withholding tax;

(B) any Foreign Lender shall, to the extent it is legally entitled to do so, deliver to the Borrower and the Administrative Agent (in such number of copies as shall be requested by the recipient) on or prior to the date on which such Foreign Lender becomes a Lender under this Agreement (and from time to time thereafter upon the reasonable request of the Borrower or the Administrative Agent), whichever of the following is applicable:

- (i) in the case of a Foreign Lender claiming the benefits of an income tax treaty to which the United States is a party (x) with respect to payments of interest under any Loan Document, executed copies of IRS Form W-8BEN or W-8BEN-E establishing an exemption from, or reduction of, U.S. federal withholding Tax pursuant to the "interest" article of such tax treaty and (y) with respect to any other applicable payments under any Loan Document, IRS Form W-8BEN or W-8BEN-E establishing an exemption from, or reduction of, U.S. federal withholding Tax pursuant to the "business profits" or "other income" article of such tax treaty;
- (ii) executed copies of IRS Form W-8ECI;
- (iii) in the case of a Foreign Lender claiming the benefits of the exemption for portfolio interest under Section 881(c) of the Internal Revenue Code, (x) a certificate substantially in the form of Exhibit D-1 to the effect that such Foreign Lender is not a "bank" within the meaning of Section 881(c)(3)(A) of the Internal Revenue Code, a "10 percent shareholder" of the Borrower within the meaning of Section 881(c)(3)(B) of the Internal Revenue Code, or a "controlled foreign corporation" described in Section 881(c)(3)(C) of the Internal Revenue Code (a "**U.S. Tax Compliance Certificate**") and (y) executed copies of IRS Form W-8BEN or W-8BEN-E;
- (iv) to the extent a Foreign Lender is not the beneficial owner, executed copies of IRS Form W-8IMY, accompanied by IRS Form W-8ECI, IRS Form W-8BEN, W-8BEN-E, a U.S. Tax Compliance Certificate substantially in the form of Exhibit D-2 or Exhibit D-3, IRS Form W-9, and/or other certification documents from each beneficial owner, as applicable; *provided* that, if the Foreign Lender is a partnership and one or more direct or indirect partners of such Foreign Lender are claiming the portfolio interest exemption, such Foreign Lender may provide a U.S. Tax Compliance Certificate substantially in the form of Exhibit D-4 on behalf of each such direct and indirect partner;

(C) any Foreign Lender shall, to the extent it is legally entitled to do so, deliver to the Borrower and the Administrative Agent (in such number of copies as shall be requested by the recipient) on or prior to the date on which such Foreign Lender becomes a Lender under this Agreement (and from time to time thereafter upon the reasonable request of the Borrower or the Administrative Agent), executed copies of any other form prescribed by Applicable Law as a basis for claiming exemption from or a reduction in U.S. federal withholding Tax, duly completed, together with such supplementary documentation as may be prescribed by Applicable Law to permit the Borrower or the Administrative Agent to determine the withholding or deduction required to be made; and

(D) if a payment made to a Lender under any Loan Document would be subject to U.S. federal withholding Tax imposed by FATCA if such Lender were to fail to comply with the applicable reporting requirements of FATCA (including those contained in

Section 1471(b) or 1472(b) of the Internal Revenue Code, as applicable), such Lender shall deliver to the Borrower and the Administrative Agent at the time or times prescribed by law and at such time or times reasonably requested by the Borrower or the Administrative Agent such documentation prescribed by Applicable Law (including as prescribed by Section 1471(b)(3)(C)(i) of the Internal Revenue Code) and such additional documentation reasonably requested by the Borrower or the Administrative Agent as may be necessary for the Borrower and the Administrative Agent to comply with their obligations under FATCA and to determine that such Lender has complied with such Lender's obligations under FATCA or to determine the amount to deduct and withhold from such payment. Solely for purposes of this clause (D), "FATCA" shall include any amendments made to FATCA after the date of this Agreement.

Each Lender agrees that if any form or certification it previously delivered expires or becomes obsolete or inaccurate in any respect, it shall update such form or certification or promptly notify the Borrower and the Administrative Agent in writing of its legal inability to do so.

(h) **Treatment of Certain Refunds.** If any party determines, in its sole discretion exercised in good faith, that it has received a refund of any Taxes as to which it has been indemnified pursuant to this Section 2.15 (including by the payment of additional amounts pursuant to this Section 2.15), it shall pay to the indemnifying party an amount equal to such refund (but only to the extent of indemnity payments made under this Section with respect to the Taxes giving rise to such refund), net of all out-of-pocket expenses (including Taxes) of such indemnified party and without interest (other than any interest paid by the relevant Governmental Authority with respect to such refund). Such indemnifying party, upon the request of such indemnified party, shall repay to such indemnified party the amount paid over pursuant to this subsection (h) (plus any penalties, interest or other charges imposed by the relevant Governmental Authority) in the event that such indemnified party is required to repay such refund to such Governmental Authority. Notwithstanding anything to the contrary in this subsection (h), in no event will the indemnified party be required to pay any amount to an indemnifying party pursuant to this subsection (h) the payment of which would place the indemnified party in a less favorable net after-Tax position than the indemnified party would have been in if the Tax subject to indemnification and giving rise to such refund had not been deducted, withheld or otherwise imposed and the indemnification payments or additional amounts with respect to such Tax had never been paid. This subsection shall not be construed to require any indemnified party to make available its Tax returns (or any other information relating to its Taxes that it deems confidential) to the indemnifying party or any other Person.

(i) **FATCA Withholding.** For purposes of determining withholding Taxes imposed under FATCA, from and after the Closing Date, the Borrower and the Administrative Agent shall treat (and the Lenders hereby authorize the Administrative Agent to treat) the obligations of the Borrower set forth in this Agreement as not qualifying as a "grandfathered obligation" within the meaning of Treasury Regulation Sections 1.1471-2(b)(2)(i) and 1.1471-2T(b)(2)(i).

(j) **Survival.** Each party's obligations under this Section 2.15 shall survive the resignation or replacement of the Administrative Agent or any assignment of rights by, or the replacement of, a Lender, the termination of the Commitments and the repayment, satisfaction or discharge of all obligations under any Loan Document.

### ***SECTION 2.16. Sharing of Payments, Etc.***

(a) If any Lender shall obtain any payment (whether voluntary, involuntary, through the exercise of any right of set-off, or otherwise) on account of the Advances owing to it (other than pursuant to Section 2.08(c), 2.12, 2.15, 8.04(c) or 8.16 or in respect of Eurodollar Rate Advances converted into Base Rate Advances pursuant to Section 2.13) by the Borrower in excess of its ratable share of payments on account of the Advances to the Borrower obtained by all the Lenders, such Lender shall forthwith purchase from the other Lenders such participations in such Advances owing to them as shall be necessary to cause such purchasing Lender to share the excess payment ratably with each of them; *provided, however,* that if all or any portion of such excess payment is thereafter recovered from such purchasing Lender, such purchase from each Lender shall be rescinded and such Lender shall repay to the purchasing Lender the purchase price to the extent of such recovery together with an amount equal to such Lender's ratable share (according to the proportion of (i) the amount of such Lender's required repayment to (ii) the total amount so recovered from the purchasing Lender) of any interest or other amount paid or payable by the purchasing Lender in respect of the total amount so recovered. The Borrower agrees that any Lender so purchasing a participation from another Lender pursuant to this Section 2.16 may, to the fullest extent permitted by law, exercise all its rights of payment (including the right of set-off) with respect to such participation as fully as if such Lender were the direct creditor of the Borrower in the amount of such participation.

(b) If any Lender shall fail to make any payment required to be made by it pursuant to Sections 2.02(d) or 7.05, then the Administrative Agent may, in its discretion and notwithstanding any contrary provision hereof, (i) apply any amounts thereafter received by the Administrative Agent for the account of such Lender for the benefit of the Administrative Agent to satisfy such Lender's obligations to it or them under such Section until all such unsatisfied obligations are fully paid, and/or (ii) hold any such amounts in a segregated account as cash collateral for, and application to, any future funding obligations of such Lender under any such Section, in the case of each of clauses (i) and (ii) above, in any order as determined by the Administrative Agent in its discretion.

### ***SECTION 2.17. Mitigation Obligations; Replacement of Lenders.***

(a) ***Designation of a Different Lending Office.*** If any Lender delivers a notice pursuant to Section 2.13, requests compensation under Section 2.12, or requires the Borrower to pay any Indemnified Taxes or additional amounts to any Lender or any Governmental Authority for the account of any Lender pursuant to Section 2.15, then such Lender shall (at the request of the Borrower) use reasonable efforts to designate a different Applicable Lending Office or to assign its rights and obligations hereunder to another of its offices, branches or Affiliates, if, in the judgment of such Lender, such designation or assignment (i) would eliminate or reduce amounts payable pursuant to Section 2.12 or 2.15, as the case may be, in the future, and (ii) would not subject such Lender to any unreimbursed cost or expense and would not otherwise be disadvantageous to such Lender. The Borrower hereby agrees to pay all reasonable costs and expenses incurred by any Lender in connection with any such designation or assignment.

(b) ***Replacement of Lenders.*** If any Lender delivers a notice pursuant to Section 2.13, requests compensation under Section 2.12, or requires the Borrower to pay any Indemnified Taxes or additional amounts to any Lender or any Governmental Authority for the

account of any Lender pursuant to Section 2.15 and, in each case, such Lender has declined or is unable to designate a different Applicable Lending Office in accordance with Section 2.17(a), or if any Lender is a Declining Lender, a Defaulting Lender or a Non-Consenting Lender, then the Borrower may, at its sole expense and effort, upon notice to such Lender and the Administrative Agent, require such Lender to assign and delegate, without recourse (in accordance with and subject to the restrictions contained in, and consents required by, Section 8.07), all of its interests, rights (other than its existing rights to payments pursuant to Section 2.12 or 2.15) and obligations under this Agreement and the related Loan Documents to an Eligible Assignee that shall assume such obligations (which assignee may be another Lender, if such Lender accepts such assignment); *provided* that:

- (i) the Borrower shall have paid to the Administrative Agent the assignment fee (if any) specified in Section 8.07(b)(iv);
- (ii) such Lender shall have received payment of an amount equal to the outstanding principal of its Advances, together with all applicable accrued interest thereon, accrued fees and all other amounts payable to it hereunder and under the other Loan Documents (including any amounts under Section 8.04(c)) from the assignee (to the extent of such outstanding principal amounts and accrued interest and fees) or the Borrower (in the case of all other amounts);
- (iii) in the case of any such assignment resulting from a claim for compensation under Section 2.12 or payments required to be made pursuant to Section 2.15, such assignment will result in a reduction in such compensation or payments thereafter;
- (iv) no Default shall have occurred and be continuing;
- (v) such assignment does not conflict with Applicable Law; and
- (vi) in the case of any assignment resulting from a Lender becoming a Non-Consenting Lender, the applicable assignee shall have consented to the applicable amendment, waiver or consent.

A Lender shall not be required to make any such assignment or delegation if, prior thereto, as a result of a waiver by such Lender or otherwise, the circumstances entitling the Borrower to require such assignment and delegation cease to apply.

#### ***SECTION 2.18. Option to Increase Facility.***

(c) Upon the written request of the Borrower delivered to the Administrative Agent on or before the date that falls 10 months after the Closing Date (the “*Availability Date*”), which request from the Borrower can be made no more than twice during the period from and including the Closing Date through the Availability Date (each such request in the form of Exhibit E hereto, a “**Request for Facility Increase**”), the Administrative Agent shall request that Lenders increase their Commitment under the Facility; *provided*, that (v) in connection with such request, the Borrower may, at its sole expense and effort, seek to obtain new Commitments from any Person that is not a Lender at such time if such Person is an Eligible Assignee, (w) no Lender

shall be obligated to increase its Commitment without its prior written consent, (x) any such requested increase must be in a minimum additional aggregate amount of \$50,000,000, and integral multiples of \$10,000,000 in excess thereof, (y) after giving effect to the increase in Commitments, the sum of (i) the aggregate principal amount of all Advances (disregarding any repayments or prepayments of Advances occurring on or prior to the date of such increase) *plus* (ii) the Commitments in effect at such time shall not exceed \$1,000,000,000 and (z) at the time of and after giving effect to the increase in Commitments and the concurrent funding of Advances, if any, the representations and warranties of the Borrower set forth herein are true and correct and no Default has occurred and is continuing and (z) such increased Commitment shall, for the avoidance of doubt, be on the same terms and conditions as the existing Commitments. In the event that the Administrative Agent does not receive any commitments from the existing Lenders and/or new Lenders to cover such requested increase within 30 days of receipt of any Request for Facility Increase, such Request for Facility Increase shall be deemed to have been withdrawn by the Borrower on such 30<sup>th</sup> day. So long as no Default has occurred and is continuing and the Request for Facility Increase has not been withdrawn, any such increase shall be effective upon: (i) written notification from the Administrative Agent to the Borrower and the Lenders (each such notification in the form of Exhibit F hereto, (a “**Confirmation of Facility Increase**”) confirming the total amount of the increased Facility, describing each Lender or new Lender that has agreed to participate in such increase and each Lender’s Commitment after giving effect to such increase; (ii) the execution and delivery by each such Lender of a Lender Commitment Increase Agreement, in the form of Exhibit G hereto (a “**Lender Commitment Increase Agreement**”), or a Lender Joinder Agreement, in the form of Exhibit H hereto (a “**Lender Joinder Agreement**”), as applicable (*provided* that any new Lender making a commitment pursuant to a Lender Joinder Agreement shall make a commitment of at least \$5,000,000), and (iii) delivery by Borrower to the appropriate Lender of replacement or new notes, as applicable, to reflect such increase. Upon the effectiveness of a Commitment of any new Lender, such new Lender (I) shall be deemed to be a “Lender” hereunder, and henceforth shall be entitled to all the rights of, and benefits accruing to, Lenders hereunder and (II) shall be bound by all agreements, acknowledgements and other obligations of Lenders hereunder and under the other Loan Documents.

### ARTICLE III CONDITIONS PRECEDENT

#### ***SECTION 3.01. Conditions Precedent to Effectiveness of this Agreement and Closing Date Extension of Credit.***

This Agreement and the obligation of each Lender, as applicable, to make the Extension of Credit to be made by it hereunder on the Closing Date shall take effect on the Closing Date, subject to each of the following conditions precedent being satisfied on or before such date:

(a) The Administrative Agent shall have received on or before the Closing Date the following, each dated the Closing Date, in form and substance reasonably satisfactory to the Administrative Agent in sufficient copies for each Lender:

(i) Certified copies of the Borrower’s certificate of incorporation and bylaws, and resolutions of the board of directors of the Borrower approving this Agreement, a certificate of good standing for the Borrower from its jurisdiction of incorporation and all

documents evidencing other necessary corporate action and Governmental Approvals, if any, with respect to this Agreement.

(ii) A certificate of the Secretary or Assistant Secretary of the Borrower certifying the names and true signatures of the officers of the Borrower authorized to sign this Agreement and the other documents to be delivered by the Borrower hereunder.

(iii) A favorable opinion of counsel for the Borrower (which may be an attorney of American Electric Power Service Corporation), substantially in the form of Exhibit C hereto and as to such other matters as any Lender through the Administrative Agent may reasonably request.

(b) On the Closing Date, the following statements shall be true and the Administrative Agent shall have received for the account of each Lender a certificate signed by a duly authorized officer of the Borrower, dated the Closing Date, stating that:

(i) The representations and warranties of the Borrower contained in Section 4.01 are true and correct in all material respects on and as of the Closing Date, as though made on and as of such date, and

(ii) No event has occurred and is continuing that constitutes a Default.

(c) The Borrower shall have paid all fees and expenses of the Administrative Agent, the Joint Lead Arrangers and the Lenders then due and payable in accordance with the terms of the Loan Documents (including the fees and expenses of counsel to the Administrative Agent to the extent then due and payable).

(d) The Administrative Agent shall have received counterparts of this Agreement, executed and delivered by the Borrower and the Lenders.

(e) The Administrative Agent shall have received all promissory notes (if any) requested by the Lenders pursuant to Section 2.07(d), duly completed and executed by the Borrower and payable to such Lenders.

(f) The Administrative Agent shall have received copies of the Disclosure Documents.

(g) The Administrative Agent shall have received all documentation and information required by regulatory authorities under applicable "know your customer" and anti-money laundering rules and regulations, including, without limitation, the Patriot Act, to the extent such documentation or information is requested by the Administrative Agent on behalf of the Lenders prior to the Closing Date.

(h) The Administrative Agent shall have received copies or other evidence of such other approvals and such other opinions or documents as may be reasonably requested by the Administrative Agent or by any Lender through the Administrative Agent.

(i) The Administrative Agent shall have received a Notice of Borrowing for the Extension of Credit to be made on the Closing Date.

***SECTION 3.02. Conditions Precedent to Each Extension of Credit Following the Closing Date.***

The making of any Extension of Credit following the Closing Date pursuant to Section 2.18 shall be subject to the satisfaction of the following conditions precedent:

(a) The following statements shall be true (and each of the giving of the applicable Notice of Borrowing and the acceptance by the Borrower of the proceeds of any Borrowing shall constitute a representation and warranty by the Borrower that on the date of such Borrowing such statements are true):

(i) The representations and warranties of the Borrower contained in Section 4.01 (other than the representation and warranty in Section 4.01(e) and the representation and warranty set forth in the last sentence of Section 4.01(f)) are true and correct in all material respects (or, if already qualified by materiality, in all respects) on and as of the date of such Borrowing, before and after giving effect to such Borrowing and to the application of the proceeds therefrom, as though made on and as of such date; and

(ii) No event has occurred and is continuing or would result from such Borrowing or from the application of the proceeds therefrom, that constitutes a Default.

(b) The Administrative Agent shall have received a Notice of Borrowing for any Extension of Credit to be made on such date.

(c) The Administrative Agent shall have received copies or other evidence of such other approvals and such other opinions or documents as may be reasonably requested by the Administrative Agent or by any Lender through the Administrative Agent.

**ARTICLE IV**  
**REPRESENTATIONS AND WARRANTIES**

***SECTION 4.01. Representations and Warranties of the Borrower.***

The Borrower represents and warrants as follows:

(a) The Borrower is a corporation duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated, and each Significant Subsidiary is duly organized, validly existing and in good standing under the laws of the jurisdiction in which it is incorporated or otherwise organized.

(b) The execution, delivery and performance by the Borrower of each Loan Document, and the consummation of the transactions contemplated hereby, are within the Borrower's corporate powers, have been duly authorized by all necessary action, and do not contravene (i) the Borrower's certificate of incorporation or by-laws, (ii) law binding or affecting the Borrower or (iii) any contractual restriction binding on or affecting the Borrower or any of its properties.

(c) Each Loan Document has been duly executed and delivered by the Borrower. Each Loan Document is the legal, valid and binding obligation of the Borrower enforceable against the Borrower in accordance with its terms, except as the enforceability thereof may be limited by bankruptcy, insolvency, fraudulent conveyance or other similar laws affecting the enforcement of creditors' rights in general, and except as the availability of the remedy of specific performance is subject to general principles of equity (regardless of whether such remedy is sought in a proceeding in equity or at law) and subject to requirements of reasonableness, good faith and fair dealing.

(d) No authorization or approval or other action by, and no notice to or filing with, any Governmental Authority or any other third party is required for the due execution, delivery and performance by the Borrower of any Loan Document.

(e) There is no pending or threatened action, suit, investigation, litigation or proceeding, including, without limitation, any Environmental Action, affecting the Borrower or any of its Significant Subsidiaries before any Governmental Authority or arbitrator that is reasonably likely to have a Material Adverse Effect, except as disclosed in the Disclosure Documents.

(f) The consolidated balance sheets of the Borrower and its Consolidated Subsidiaries as at December 31, 2019, and the related consolidated statements of income and cash flows of the Borrower and its Consolidated Subsidiaries for the fiscal period then ended (accompanied by an opinion of PricewaterhouseCoopers, an independent registered public accounting firm), copies of which have been furnished to each Lender, fairly present the consolidated financial condition of the Borrower and its Consolidated Subsidiaries as at such dates and the consolidated results of the operations of the Borrower and its Consolidated Subsidiaries for the periods ended on such dates, all in accordance with generally accepted accounting principles consistently applied. Since December 31, 2019, there has been no Material Adverse Change. As of the Closing Date, the information included in the Beneficial Ownership Certification is true and correct in all respects.

(g) No written statement, information, report, financial statement, exhibit or schedule furnished by or on behalf of the Borrower to the Administrative Agent or any Lender in connection with the syndication or negotiation of this Agreement or included herein or delivered pursuant hereto contained, contains, or will contain any material misstatement of fact or intentionally omitted, omits, or will omit to state any material fact necessary to make the statements therein, in the light of the circumstances under which they were, are, or will be made, not misleading.

(h) Except as disclosed in the Disclosure Documents, the Borrower and each Significant Subsidiary is in material compliance with all laws (including ERISA and Environmental Laws) rules, regulations and orders of any Governmental Authority applicable to it.

(i) No failure to satisfy the minimum funding standard applicable to a Plan for a plan year (as described in Section 302 of ERISA and Section 412 of the Internal Revenue Code) that could reasonably be expected to have a Material Adverse Effect, whether or not waived, has occurred with respect to any Plan. The Borrower has not incurred, and does not presently expect

to incur, any withdrawal liability under Title IV of ERISA with respect to any Multiemployer Plan that could reasonably be expected to have a Material Adverse Effect. The Borrower and each of its ERISA Affiliates have complied in all material respects with ERISA and the Internal Revenue Code. The Borrower and each of its Subsidiaries have complied in all material respects with foreign law applicable to its Foreign Plans, if any. As used herein, the term "**Plan**" means an "employee pension benefit plan" (as defined in Section 3 of ERISA) which is and has been established or maintained, or to which contributions are or have been made or should be made according to the terms of the plan, by the Borrower or any of its ERISA Affiliates. The term "**Multiemployer Plan**" means any Plan which is a "multiemployer plan" (as such term is defined in Section 4001(a)(3) of ERISA). The term "**Foreign Plan**" means any pension, profit-sharing, deferred compensation, or other employee benefit plan, program or arrangement maintained by any Subsidiary which, under applicable local foreign law, is required to be funded through a trust or other funding vehicle.

(j) The Borrower and its Subsidiaries have filed or caused to be filed all material Federal, state and local tax returns that are required to be filed by them, and have paid or caused to be paid all material taxes shown to be due and payable on such returns or on any assessments received by them (to the extent that such taxes and assessments have become due and payable) other than those taxes contested in good faith and for which adequate reserves have been established in accordance with GAAP.

(k) The Borrower is not engaged in the business of extending credit for the purpose of buying or carrying Margin Stock, and no proceeds of any Advance will be used to buy or carry any Margin Stock or to extend credit to others for the purpose of buying or carrying any Margin Stock. Not more than 25% of the assets of the Borrower and the Significant Subsidiaries that are subject to the restrictions of Section 5.02(a), (c) or (d) constitute Margin Stock.

(l) Neither the Borrower nor any Significant Subsidiary is an "investment company," or an "affiliated person" of, or "promoter" or "principal underwriter" for, an "investment company", as such terms are defined in the Investment Company Act of 1940, as amended. Neither the making of any Extension of Credit, the application of the proceeds or repayment thereof by the Borrower nor the consummation of the other transactions contemplated hereby will violate any provision of such Act or any rule, regulation or order of the SEC thereunder.

(m) All Significant Subsidiaries as of the date hereof are listed on Schedule 4.01(m) hereto.

(n) The Borrower has implemented and maintains in effect policies and procedures designed to ensure compliance by the Borrower, its Subsidiaries and their respective directors, officers, employees and agents with Anti-Corruption Laws and applicable Sanctions, and the Borrower, its Subsidiaries and their respective directors and officers and, to the knowledge of the Borrower, its employees and agents, are in compliance with Anti-Corruption Laws and applicable Sanctions in all material respects. None of (a) the Borrower, any Subsidiary or any of their respective directors or officers, or (b) to the knowledge of the Borrower, any employee or agent of the Borrower or any Subsidiary that will act in any capacity in connection with or benefit from the credit facility established hereby, is a Sanctioned Person. No Borrowing or use of proceeds thereof or other transaction contemplated by this Agreement will violate Anti-Corruption Laws or applicable Sanctions.

## ARTICLE V COVENANTS OF THE BORROWER

### ***SECTION 5.01. Affirmative Covenants.***

So long as any Advance or any other amount payable hereunder shall remain unpaid or any Lender shall have any Commitment hereunder, the Borrower will:

(a) ***Preservation of Existence, Etc.*** Preserve and maintain, and cause each Significant Subsidiary to preserve and maintain, its corporate, partnership or limited liability company (as the case may be) existence and all material rights (charter and statutory) and franchises; *provided, however,* that the Borrower and any Significant Subsidiary may consummate any merger or consolidation permitted under Section 5.02(a); and *provided further* that neither the Borrower nor any Significant Subsidiary shall be required to preserve any right or franchise if (i) the board of directors of the Borrower or such Significant Subsidiary, as the case may be, shall determine that the preservation thereof is no longer desirable in the conduct of the business of the Borrower or such Significant Subsidiary, as the case may be, and that the loss thereof is not disadvantageous in any material respect to the Borrower or such Significant Subsidiary, as the case may be, or to the Lenders; (ii) required in connection with or pursuant to any Restructuring Law; or (iii) required in connection with the RTO Transaction; and *provided further*, that no Significant Subsidiary shall be required to preserve and maintain its corporate existence if (x) the loss thereof is not disadvantageous in any material respect to the Borrower or to the Lenders or (y) required in connection with or pursuant to any Restructuring Law or (z) required in connection with the RTO Transaction.

(b) ***Compliance with Laws, Etc.*** Comply, and cause each Significant Subsidiary to comply, in all material respects, with Applicable Law, with such compliance to include, without limitation, compliance with ERISA and Environmental Laws.

(c) ***Performance and Compliance with Other Agreements.*** Perform and comply, and cause each Significant Subsidiary to perform and comply, with the provisions of each indenture, credit agreement, contract or other agreement by which it is bound, the non-performance or non-compliance with which would result in a Material Adverse Change.

(d) ***Inspection Rights.*** At any reasonable time and from time to time, permit the Administrative Agent or any Lender or any agents or representatives thereof to examine and make copies of and abstracts from the records and books of account of, and visit the properties of, the Borrower and any Significant Subsidiary and to discuss the affairs, finances and accounts of the Borrower and any Significant Subsidiary with any of their officers or directors and with their independent certified public accountants.

(e) ***Maintenance of Properties, Etc.*** Maintain and preserve, and cause each Significant Subsidiary to maintain and preserve, all of its properties that are used or useful in the conduct of its business in good working order and condition, ordinary wear and tear excepted and except as required in connection with or pursuant to any Restructuring Law or in connection with RTO Transaction.