PJM INTERCONNECTION, L.L.C.

FOR THE QUARTER ENDED JUNE 30, 2019

INDEX

PART I – FINANCIAL INFORMATION	PAGE
Item 1. Financial Statements	
Consolidated Statement of Financial Position Consolidated Statement of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated	2
Other Comprehensive Income	3
Consolidated Statement of Cash Flows	4
Notes to Consolidated Financial Statements	5
Item 2. Management's Discussion and Analysis of Financial Condition a	nd
Results of Operations	16

PJM INTERCONNECTION, L.L.C. Consolidated Statements of Financial Position (\$ in thousands)

(\$ in distance)	Ju	ne 30, 2019	Dece	mber 31, 2018
Assets				
Current assets:				
Deposits on hand	\$	1,585,703	\$	1,500,794
Operating cash		238,929		362,285
Receivables		44,422		39,694
Study and interconnection receivables		6,529		9,457
Prepaid income taxes		2,033		2,481
Prepaid expenses and other		10,898		9,778
Note receivable		1,243		1,786
		1,889,757		1,926,275
Non-current assets:				
Fixed assets, net of accumulated depreciation and amortization of \$694,404 and \$675,440		88,456		97,551
Land		1,420		1,420
Projects in development		46,188		35,047
Deferred recovery of pension and postretirement costs		32,357		30,092
Deferred income taxes, net of valuation allowance		27,400		26,431
Note receivable		1,001		550
Other		24,674		22,300
		221,496		213,391
Total assets	\$	2,111,253	\$	2,139,666
Liabilities, paid-in capital, retained earnings				
and accumulated other comprehensive income				
Current liabilities:				
Accounts payable and accrued expenses	\$	61,112	\$	33,962
Due to members		274,250		404,980
Study and interconnection payables		7,386		9,247
Accrued payroll and benefits		21,161		28,383
Current portion of long-term debt		2,886		2,886
Current portion of capital lease		1,745		1,707
Deferred regulatory liability		356		6,393
Deferred revenue		1,891		3,443
Postretirement healthcare benefits liability		1,362		1,327
Other employee benefits		389		227
Deposits		1,585,703		1,500,794
		1,958,241		1,993,349
Non-current liabilities:				
Long-term debt		15,150		16,593
Long-term capital lease		14,189		15,067
Deferred regulatory liability		17,836		17,843
Interest rate swap		708		325
Pension benefits liability		20,888		15,415
Postretirement healthcare benefits liability		44,220		43,459
Other employee benefits		30,442		27,646
		143,433		136,348
Total liabilities		2,101,674		2,129,697
Commitments and contingencies (Note 13)				
Paid in capital		722		722
Retained earnings		8,726		8,286
Accumulated other comprehensive income		131		961
Total paid-in capital, retained earnings and accumulated other comprehensive income		9,579		9,969
Total liabilities, paid-in capital, retained earnings and accumulated other comprehensive income	\$	2,111,253	\$	2,139,666
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PJM INTERCONNECTION, L.L.C. Consolidated Statements of Loss, Comprehensive (Loss) Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive (Loss) Income (\$ in thousands)

	Three months ended June 30,			Six months ended June 30,					
	2	2019		2018		2019		2018	
Income									
Operating revenue:									
Service fees	\$	74,676	\$	72,727	\$	156,384	\$	150,870	
Deferred regulatory income (expense)		583		(2,335)		(8,307)		(10,349)	
FERC fees reimbursement		14,626		14,971		30,992		31,088	
Study and interconnection fees		997		1,022		1,999		2,013	
Membership fees		931		924		1,856		1,814	
Other		1,583		1,536		2,349		2,842	
Total operating revenue		93,396		88,845		185,273		178,278	
Operating expenses:									
Compensation		38,375		33,801		75,562		68,869	
FERC fees		14,626		14,971		30,992		31,088	
Outside services		15,492		14,097		29,519		27,456	
Depreciation and amortization		8,980		11,584		18,972		23,399	
Software licenses and fees		4,562		4,591		9,424		8,291	
Other expenses		4,324		4,356		6,408		7,252	
Computer maintenance and office supplies		1,910		1,170		4,912		3,837	
Pension benefits		2,280		1,937		4,487		4,062	
Study and interconnection services		997		1,022		1,999		2,013	
Lease expenses		487		477		975		938	
Postretirement healthcare benefits		227		409		473		786	
Total operating expenses		92,260		88,415		183,723		177,991	
Operating income		1,136		430		1,550		287	
Other (expense) income:									
Interest income		10,502		2,859		17,960		5,113	
Interest expense		10,918		2,622		18,658		4,619	
Total other (expense) income		(416)		237		(698)		494	
Income before income taxes		720		667		852		781	
Income tax expense		253		282		412		432	
Net income	\$	467	\$	385	\$	440	\$	349	
Paid-in capital, retained earnings and accumulated other comprehensive (loss) income									
Beginning balance		9,942		8,791		9,969		8,590	
Net income		9,942 467		385		9,969 440		349	
Other comprehensive (loss) income		(830)		8		(830)		245	
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Ending balance	\$	9,579	\$	9,184	\$	9,579	\$	9,184	

The accompanying notes are an integral part of these consolidated financial statements.

PJM INTERCONNECTION, L.L.C. Consolidated Statements of Cash Flows (\$ in thousands)

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	June 30,			
		2019		2018
Cash flows from operating activities:				
Net (loss)	\$	440	\$	349
Adjustments:				
Depreciation and amortization expense		18,972		23,399
Deferred income taxes, net of valuation allowance		(969)		(2,183)
Deferred recovery of pension and postretirement costs		(2,265)		(138)
Deferred regulatory liability		8,297		10,349
Employee benefit expense greater (less than) than funding		9,227		(44,301)
Net fair value changes related to interest rate swap		383		(424)
Changes in assets and liabilities:				
(Increase) decrease in receivables		(4,728)		46,400
Decrease (increase) in study and interconnection receivables		2,928		(8,834)
(Increase) decrease in prepaid expenses and other		(5,164)		784
Decrease in deferred FERC fees		-		1,114
Decrease in prepaid income taxes		448		3,587
Increase in accounts payable and accrued expenses		25,220		25,667
(Decrease) increase in study and interconnection payables		(1,861)		8,600
(Decrease) in accrued payroll and benefits		(7,222)		(14,598)
(Decrease) in deferred revenue		(1,552)		(1,548)
Refunds to members		(14,341)		=
Net cash provided by operating activities		27,813		48,223
Cash flows (used in) investing activities:				
Cost of projects in development		(19,088)		(18,100)
Note receivable		92		882
Net cash (used in) investing activities		(18,996)		(17,218)
Cash flows (used in) from financing activities:				
Borrowings under line of credit		117,066		74,427
Repayments under line of credit		(117,066)		(74,427)
Repayments of long-term debt		(1,443)		(658)
Increase in due to members		(130,730)		48,018
Increase in deposits		84,909		243,297
Net cash (used in) provided by financing activities		(47,264)		290,657
Net (decrease) increase in cash and cash equivalents		(38,447)		321,662
Cash and cash equivalents balance (including customer deposits), beginning of year		1,863,079		1,767,065
Cash and cash equivalents balance (including customer deposits), end of period	\$	1,824,632	\$	2,088,727
Noncash activity:				
Projects in development additions included in ending accounts payable and accrued expenses		1,930		333

Six months ended

The accompanying notes are an integral part of these consolidated financial statements.

PJM Interconnection, L.L.C. Notes to the Consolidated Financial Statements June 30, 2019 (\$ in tables in thousands, unless otherwise noted)

1. Company Overview

Basis of Presentation

The accompanying consolidated financial statements have been prepared on an accrual basis in accordance with generally accepted accounting principles (GAAP) and include the accounts of PJM Interconnection, L.L.C. and its wholly-owned subsidiaries (collectively referred to herein as PJM or the Company). All intercompany transactions and balances have been eliminated.

The preparation of financial statements in conformity with GAAP in the United States of America requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying disclosures. These estimates are based on management's best knowledge of current events and actions the Company may undertake in the future. Actual results may ultimately differ from estimates.

The interim financial data as of June 30, 2019 and for the three-month and six-month periods ended June 30, 2019 and June 30, 2018 are unaudited; however, in the opinion of the Company, the interim data includes those adjustments of a normal recurring nature necessary for a fair statement of the results of the interim periods.

These footnotes should be read in conjunction with the Company's 2018 consolidated financial statements and footnotes.

PJM has performed an evaluation of subsequent events through August 8, 2019, which is the date the financial statements were issued.

Adoption of New Accounting Standards

Revenue Recognition

In May 2014, the Financial Accounting Standards Board issued authoritative guidance to provide a single, comprehensive revenue recognition model for contracts with customers. The guidance contains principles that the Company will apply to determine the measurement and timing of revenue recognition. The guidance is effective for annual reporting periods beginning after December 15, 2018, and was adopted by PJM on January 1, 2019. The guidance has been adopted utilizing the modified retrospective approach whereby prior periods have not been restated.

The Company has reviewed its revenue recognition policies to ensure compliance with the requirements of the guidance and has determined adoption did not have a material impact on current revenue recognition policies. Under the standard, PJM is required to provide more comprehensive revenue disclosures to allow financial statement users to understand the nature, amount, timing, and uncertainty of revenue and cash flows arising from contracts with customers.

Disaggregated Revenues

The Company has included in the table below disaggregation of PJM service fee revenues by subsidiary Schedule as defined in Schedule 9 of the Company's Open Access Transmission Tariff (Tariff).

	Three-months ended	Six-months ended	
	June 30, 2019	June 30, 2019	
PJM stated rate revenues			
Control area administration service	\$ 40,683	\$ 86,209	
FTR administration service	8,189	16,325	
Market support service	19,646	40,404	
Regulation and frequency response	639	1,283	
Capacity resource and obligation management service	3,684	7,326	
	72,841	151,547	
PJM Settlement service fees	1,835	4,837	
Total service fees	\$ 74,676	\$ 156,384	
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the three-month and six-month periods ended June 30, 2019, PJM Connext, LLC (PJM Connext) recorded consolidated revenue of \$1.6 million and \$2.3 million, respectively, which is included in other income in the Consolidated Statements of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive Income.

Contract Balances

PJM and PJM Connext membership fees, which are billed and collected in advance of the year for which they apply, are recognized as revenue ratably over the related annual membership period. Under the revenue guidance, membership fees, recorded as deferred revenue, are considered contract liabilities. The January 1, 2019 opening balance of deferred revenue resulting from contracts with customers was \$3.4 million. The June 30, 2019 closing balance of deferred revenue resulting from contracts with customers was \$1.9 million. The amount of revenue recognized in the period that was included in the opening contract liability balance was \$1.5 million. PJM expects to recognize \$1.9 million of PJM membership fees revenue during the remaining nine months of 2019.

There were no material contract assets as of June 30, 2019.

PJM's accounts receivables at June 30, 2019, consisted of the following:

	June 30, 2019	
Billed:		
PJM Connext	\$ 573	
	573	
Unbilled:		
PJM service fees, net of refunds to members	30,280	
PJM recovery of pass-through charges	8,223	
Default allocation assessment	5,346	
	43,849	
	\$ 44,422	
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member companies are billed on a monthly basis for recovery of PJM and PJM Settlement's administrative costs under the Tariff.

All study and interconnection receivables were billed at June 30, 2019.

2. Deferred Regulatory Liability

PJM recovers fees for the administrative services it provides under its Tariff, pursuant to a stated-rate.

The stated-rate tariff provides for the accumulation of a financial reserve. PJM is permitted to maintain a reserve as a deferred regulatory liability in an amount up to 6 percent of its annual stated-rate revenues, except that beginning for 2020 and every third year thereafter, the financial reserve must be reduced to 2 percent of annual stated-rate revenues. The amount accumulated under the financial reserve provision is classified as a non-current liability in the Company's Consolidated Statements of Financial Position. On a quarterly basis, PJM refunds the deferred regulatory liability balance in excess of the permitted financial reserve for the previous quarter. The quarterly refund rate is established after the financial close of each quarter, and refunds are distributed to the members on a prospective basis in the following quarter. During the first six months of 2019, PJM made refunds of \$14.3 million. There were no refunds made during the first six months of 2018.

Any under or over refund amounts will be reflected in the deferred regulatory liability activity in the following quarter.

For PJM Settlement, Inc. (PJM Settlement) the deferred regulatory liability is defined in its rate schedule in the Tariff and is equal to revenues collected in excess of accrual-basis expenses. This balance is refunded quarterly. The quarterly refund rate is established after the financial close of each quarter, and refunds are distributed to the members on a prospective basis in the following quarter. The PJM Settlement rate schedule does not include a financial reserve element.

PJM recognizes deferred regulatory income in the revenue section of the Consolidated Statements of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive Income for the amount by which service fee revenues pursuant to the rate schedules differ from applicable expenses in the reporting period. The amount by which cumulative revenues under the rate schedules exceed cumulative expenses and refunds is reported as a deferred regulatory liability in the Consolidated Statements of Financial Position. In circumstances in which revenues are less than expenses, PJM reduces the deferred regulatory liability with an offset to deferred regulatory income.

At June 30, 2019 and December 31, 2018, the deferred regulatory liability was \$18.2 million and \$24.2 million, respectively. At June 30, 2019 and December 31, 2018, the current portion of the deferred regulatory liability was \$0.4 million and \$6.4 million representing PJM and PJM Settlement's expected refunds to members during the subsequent quarter. The non-current portion of the deferred regulatory liability of \$17.8 million represents the amount of PJM's reserve at both June 30, 2019 and December 31, 2018.

PJM Settlement recovers its administrative costs under a separate schedule in the Tariff.

3. Note Receivable

On March 21, 2008, FERC approved a settlement to restructure the relationship between PJM and PJM's former Market Monitoring Unit (MMU). As part of the settlement, the MMU and its functions transitioned from being an internal PJM department to an external independent market monitor, Monitoring Analytics, LLC (MA). MA operates independent of PJM management and the Board of Managers. In order to facilitate the externalization of this function and as part of the settlement agreement approved by FERC, PJM entered into a revolving loan agreement with MA in March 2008. The revolving loan agreement was extended in November 2018 to March 31, 2026.

The purpose of the PJM revolving loan to MA is to fund capital needs associated with MA's technology systems and working capital needs related to MA's responsibilities per Attachment M of the Tariff to monitor the markets administered by PJM. The revolving loan has a capacity of \$11 million and is secured by MA's accounts receivable and future collections of accounts receivable. At both June 30, 2019 and December 31, 2018, the interest rate on the revolving loan agreement between PJM and MA was 5.50 percent. The interest rate on all loan advances is equal to the PNC Bank Base Rate. The PNC Bank Base Rate is the highest of (A) the Prime Rate, (B) the sum of the Federal Funds Rate plus 50 basis points (0.50 percent), or (C) the sum of the Daily London Interbank Offered Rate (LIBOR) plus 100 basis points (1.0 percent).

At June 30, 2019 and December 31, 2018, the outstanding balance due from MA recorded by PJM as a note receivable was \$2.2 million and \$2.3 million, respectively. At June 30, 2019 and December 31, 2018, the current portion of the note receivable was \$1.2 million and \$1.8 million, respectively. The current balance at June 30, 2019 represents the amount to be repaid in the next twelve months. The non-current portion of the note receivable was \$1.0 million at June 30, 2019 and \$0.5 million at December 31, 2018.

4. Short-Term Debt

PNC Revolving Line of Credit

On March 1, 2018 PJM amended and restated the existing revolving credit agreement with PNC Bank (PNC), increasing the capacity from \$100 million to \$150 million. PJM received approval from FERC to continue to borrow under this amended facility and to increase the unsecured promissory note on January 19, 2018. The facility terminates on January 31, 2020, and can be extended automatically through February 28, 2021, with FERC authorization. The revolving line of credit is unsecured and available to fund short-term cash obligations.

Under the loan covenants for the revolving credit agreement, PJM is required to meet certain financial and non-financial covenants. PJM was in compliance with these covenants as of June 30, 2019. At June 30, 2019 and December 31, 2018, there were no amounts outstanding under the revolving credit agreement. The interest rate on borrowings under this revolving credit agreement is based on the 30-day LIBOR. At June 30, 2019, the interest rate was 3.023 percent.

The amended facility also has a commitment fee of 6.25 basis points on the unused balance. This fee is calculated daily and paid quarterly.

5. Long-Term Debt and Derivative Financial Instrument – Interest Rate Swap

Bank of America Bank Loan Agreement

On June 28, 2018, FERC approved PJM's request to refinance the Company's bank loan with PNC through a new term loan from Bank of America (BoA). On July 20, 2018, PJM entered into a \$20.2 million loan agreement with BoA. The BoA term loan has a seven-year term and is unsecured. Payments on the term loan are due quarterly.

As of June 30, 2019 and December 31, 2018, the outstanding borrowings under the term loan were \$18.0 million and \$19.5 million, respectively. As defined in the loan agreement, the term loan bears interest at a rate per annum equal to the LIBOR rate plus a spread of 65 basis points (0.65 percent). As of June 30, 2019 the interest rate was 3.09 percent.

Under the loan agreement, PJM is required to meet certain financial and non-financial covenants. PJM was in compliance with these covenants as of June 30, 2019.

Derivative Financial Instrument - Interest Rate Swap

To manage interest rate risk associated with the \$20.2 million loan agreement with BoA, the Company entered into an interest rate swap agreement with BoA effective August 1, 2018. The interest rate swap agreement effectively fixes the interest payments of the Company's floating rate debt instrument at a rate of 3.62 percent. The term of the interest rate swap matches the term of the loan.

While PJM has entered into an economic hedge of its interest rate, the Company has elected not to designate this instrument as a cash flow or fair value hedge for accounting purposes. Accordingly, the interest rate swap is carried at fair value in the Consolidated Statements of Financial Position with changes in fair value recorded through earnings. At June 30, 2019 and December 31, 2018, the fair value of the swap was a liability of \$0.7 million and \$0.3 million, respectively.

For the three-month periods ended June 30, 2019 and June 30, 2018, PJM recognized a \$0.3 million loss and \$0.1 million gain, respectively, as interest expense in the Consolidated Statements of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive Income.

For the six-month periods ended June 30, 2019 and June 30, 2018, PJM recognized a \$0.4 million loss and \$0.4 million gain, respectively, as interest expense in the Consolidated Statements of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive Income.

The Company does not hold or issue financial instruments for speculative or trading purposes for its own account.

6. Financial Transmission Rights

PJM Settlement is the central counterparty to member's pool transactions, which includes financial transmission rights (FTR). As central counterparty, PJM Settlement has flash title pass through the entity when markets settle and as charges and credits are assessed on pool transactions.

A FTR is a financial instrument that enables market participants to reduce their congestion-related price risk when delivering or selling energy on the grid. FTRs provides an economic hedging mechanism against congestion charges that can be transacted by members separately from transmission service.

In PJM Settlement's role as administrator of the FTR market, at auction clearing PJM Settlement is temporarily the counterparty to both the FTR buyer and the FTR seller. PJM Settlement is neither the buyer nor seller of FTRs and does not bear the economic risks and rewards of the financial instrument. Accordingly, FTRs do not present a credit risk to PJM.

For reporting purposes, FTR positions net to zero in the Consolidated Statements of Financial Position and the Consolidated Statements of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive Income. Because there are ongoing open FTR positions at period end, the Company is disclosing the fair value of these instruments for informational purposes.

The fair value of FTRs as of June 30, 2019, was \$686 million. A total of 276 members are FTR holders related to a total of 2.5 million megawatt-hours. As of June 30, 2019, PJM held \$1.9 billion in collateral related to these FTR transactions. The collateral held is based on the calculated net value of the positions held in each member's FTR portfolio and can be in the form of cash or a letter of credit. The collateral position disclosed reflects the totality of collateral related to the FTR market. Individual member portfolios could have a different level of credit exposure.

Roll-forward of FTR activity for the quarter ended June 30, 2019, consisted of the following.

(\$ in millions)			
Balance at April 1, 2019	\$ 228		
Auction additions	728		
Settlement and change in fair value	(270)		
Balance at June 30, 2019	\$ 686		
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On April 1, 2019 the Federal Energy Regulatory Commission (FERC) approved changes to the Company's credit requirements, specifically the adoption of mark-to-auction provisions. Mark-to-auction provides a valuation of the cleared FTR portfolio based on the most recent auction prices and also takes into consideration the value of Auction Revenue Right entitlements allocated to firm transmission service customers. The value of FTRs as of June 30, 2019 under a mark-to-auction model was \$438 million.

7. Fair Value Disclosures

Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (exit price). In determining fair values, PJM utilizes market data or assumptions that market participants would use in pricing the asset or liability, including assumptions about risk and the risks inherent in the inputs to the valuation technique. The authoritative guidance pertaining to fair value 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). The three levels of the fair value hierarchy defined by this guidance are as follows:

Level 1 – Quoted prices are available in active markets for identical assets or liabilities as of the reporting date. Active markets are those in which transactions for the asset or liability occur in sufficient frequency and volume to provide pricing information on an ongoing basis.

Level 2 – Pricing inputs are other-than quoted prices in active markets included in Level 1, which are directly or indirectly observable as of the reporting date. Level 2 includes those financial instruments that are valued using broker quotes in liquid markets, and other observable pricing data. Level 2 also includes those financial instruments that are valued using internally developed methodologies that have been corroborated by observable market data through correlation or by other means. Significant assumptions are observable in the marketplace throughout the full term of the instrument, can be derived from observable data or are supported by observable levels at which transactions are executed in the marketplace.

Level 3 – Pricing inputs include significant inputs that are generally less observable than those from objective sources.

PJM utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs. PJM is able to classify fair value balances based on the observability of the inputs. In accordance with the authoritative guidance, financial assets and liabilities are classified in their entirety based on the lowest level of observability for an input that is significant to the fair value measurement. PJM's assessment of the significance of a particular input to the fair value measurement requires the exercise of judgment, and may affect the valuation of fair value assets and liabilities and their placement within the fair value hierarchy levels.

The following table presents PJM's cash and cash equivalents as well as financial assets and liabilities that were accounted for at fair value on a recurring basis as of June 30, 2019 and December 31, 2018 by level within the fair value hierarchy.

(\$ in millions)		December 31, 2018			
	Level 1	Level 2	Level 3	Carrying Value	Carrying Value
Cash and cash equivalents	\$ 1,825	\$ -	\$ -	\$ 1,825	\$ 1,863
Deposit liabilities	1,586	-	-	1,586	1,501
Derivative liabilities	-	1	-	1	1

The fair

value of FTR assets and liabilities for which PJM Settlement is the counterparty for an instant are determined on a recurring basis based on Level 3 inputs within the fair value hierarchy. The valuation model used is based on a three-year weighted average of historical location marginal price by month by node. The model also calculates historical values for on-peak, off-peak and 24-hour FTRs. For reporting purposes, these positions net to zero in the Consolidated Statements of Financial Position and the Consolidated Statements of Income, Comprehensive Income and Paid-in Capital, Retained Earnings and Accumulated Other Comprehensive Income and are not presented in the table above.

8. Income Taxes

The income tax rate on PJM's operating activities differed from the federal statutory rate as follows:

	June 30,			
	2	019	:	2018
Income tax expense at the federal statutory rate	\$	179	\$	179
Increase (decrease) resulting from:				
Change in valuation allowance		(1)		(8)
Permanent differences		123		125
State income taxes, net of federal tax benefit		138		136
Other		(27)		-
Income tax expense	\$	412	\$	432

PJM and its subsidiaries file a U.S. consolidated federal income tax return and consolidated or separate company tax returns in various states, including of the state of Pennsylvania. The tax years subsequent to 2014 remain open to examination by the United States Internal Revenue Service and generally, the tax years subsequent to 2014 remain open to examination by various state taxing authorities. There are no ongoing audits at this time.

9. Benefit Plans

The schedules that follows shows the components of net periodic pension and postretirement health care costs for the three-month and six-month periods ended June 30, 2019 and June 30, 2018.

		Pension	Other Postretirement						
Components of Net Periodic Benefit	Qual	ified	SE	RP	Benefits				
Cost, April 1 to June 30	2019	2019 2018 2019 2018			2019	2018			
Service cost	\$ 2,389	\$ 2,696	\$ 87	\$ 92	\$ 375	\$ 421			
Interest cost	2,439	2,250	80	68	594	573			
Expected return on assets	(3,331)	(3,718)	-	-	(181)	(167)			
Prior service cost / (gain)	(4)	(5)	2	2	(322)	(322)			
Actuarial loss / (gain)	628	542	71	91	(158)	(14)			
Total net periodic benefit cost	\$ 2,121	\$ 1,765	\$ 240	\$ 253	\$ 308	\$ 491			

	Pension Benefits							Other Postretirement					
Components of Net Periodic Benefit		Qual	ifie	d			SE	RP			Ben	efits	
Cost, January 1 to June 30	2019		2018 2019 2018			2019	2	2018					
Service cost	\$ 4,	,798	\$	5,565		\$	172	\$	180	\$	744	\$	853
Interest cost	4,	,850		4,514			157		134		1,190		1,133
Expected return on assets	(6,	,672)		(7,444)			-		-		(363)		(334)
Prior service cost / (gain)		(9)		(9)			3		3		(643)		(643)
Actuarial loss / (gain)	1,	,203		1,121			130		166		(310)		(55)
Total net periodic benefit cost	\$ 4,	,170	\$	3,747		\$	462	\$	483	\$	618	\$	954

For each of the three-month periods ended June 30, 2019 and June 30, 2018, \$0.2 million and \$0.1 million of total pension and postretirement benefits expense were included in capitalized project costs, respectively.

For both of the six-month periods ended June 30, 2019 and June 30, 2018, \$0.3 million of total pension and postretirement benefits expense were included in capitalized project costs.

The following schedule shows the assumptions used to calculate the pension and postretirement benefit obligations for as of June 30, 2019 and June 30, 2018.

	Pension Benefits		Postretireme		
	2019	2018	2019	2018	
Discount rate	4.30%	3.70%	4.30%	3.70%	
Expected return on plan assets	6.40%	6.60%	6.40%	6.60%	
Rate of compensation increase	4.50%	4.50%	N/A	N/A	
Medical care cost trend rate					
Current (Pre-65)			5.92%	6.17%	
Current (Post-65)			6.48%	6.93%	
Ultimate (Pre-65)			4.46%	4.46%	
Ultimate (Post-65)			4.45%	4.45%	
Years to ultimate			19	20	

10. Commitments and Contingencies

Other Items

Marginal Line Loss Surplus Payment Reallocation

Between July 17, 2012, and July 20, 2012, fourteen companies defaulted on payment obligations totaling \$28 million, net of collateral held by PJM. These obligations resulted from reallocations for previously ordered, and provided, refunds made to certain market participants for billing adjustments related to the marginal line loss payment surplus allocation methodology under the Amended and Restated Operating Agreement of PJM (Operating Agreement) and the Tariff, which was ordered by FERC in an order issued in Docket No. EL08-14 on July 21, 2011. PJM Settlement filed 2 complaints in civil action alleging breach of contract in the state of Delaware against former members. The first complaint, filed on November 7, 2012, naming City Power Marketing, LLC, Energy Endeavors, LLC, Energy Endeavors, LP and Crane Energy, LP, seeks the recovery of approximately \$23 million owed to PJM Settlement. The second complaint, filed on December 6, 2012, naming Round Rock Energy, LLC; Round Rock Energy, LP; Huntrise Energy Fund, LLC; and certain named principals individually, seeks the recovery of approximately \$4 million.

Several parties affected by FERC's underlying ruling in this matter sought judicial review of FERC's decision in the United States Court of Appeals for the District of Columbia Circuit and, in the ruling issued in August 2013, the court of appeals directed FERC to provide additional support for its determination to recoup the previously ordered refunds. On or about November 7, 2016, FERC filed an unopposed motion and requested the court of appeals to remand the recoupment order. Accordingly, the court granted FERC's motion and remanded the recoupment order on November 9, 2016, to FERC. On June 20, 2019, FERC issued an Order on Voluntary Remand and Granting Rehearing ("June 20 Remand Order") finding that previously-ordered refunds were appropriate and reversing its prior determinations to the contrary. As a result, PJM is directed to pay additional refunds of misallocated marginal line loss over-collection amounts to those Financial Marketers that engaged in Up-To-Congestion transactions. On July 22, 2019, American Municipal Power, Inc. ("AMP") filed a request for rehearing on FERC's June 20 Remand Order requesting that FERC reinstate the determinations made in its prior orders.

PJM is working to implement the FERC's order and will be making additional refunds to Financial Marketers. The collection actions referenced above remain stayed in the Delaware courts. The outcome of these additional refunds is not anticipated to have a material adverse effect on PJM's financial position, results of operations or cash flow.

TranSource Matter

On June 23, 2015, TranSource, LLC (TranSource) filed a complaint (Complaint) against PJM with FERC. In the Complaint, TranSource asked FERC to order PJM to provide work papers used to determine the cost estimates for each individual system upgrade specified in System Impact Studies and to suspend all Tariff deadlines otherwise applicable to its Incremental Auction Revenue Rights (IARR) request, pending receipt of the demanded information. On September 24, 2015, FERC issued an order setting the Complaint for a trial-type evidentiary hearing. On February 10, 2016, TranSource filed an amendment to the Complaint (the Amended Complaint). In the Amended Complaint, TranSource claims it incurred \$72 million in lost profit opportunities from monthly IARRs during calendar year 2015 plus continuing losses of approximately \$6 million per month going forward.

On January 19, 2018, the Administrative Law Judge issued an initial decision finding that PJM's practices used to process TranSource's Upgrade Requests during the System Impact Study phase were nontransparent; and the impact of the system impact study phase, as applicable to TranSource, was discriminatory under the Federal Power Act and therefore unjust and unreasonable. TranSource was granted limited relief, ordering PJM to restore TranSource's original queue position and refund the \$0.15 million paid by TranSource for the

study of its upgrade request. All other requests for relief were denied. PJM filed a brief on exceptions on February 20, 2018. A final decision will be issued by the Commission after considering all exception briefs filed.

Separate from the Complaint pending before FERC, TranSource commenced a civil action against PJM and four PJM transmission owners in the Montgomery County Pennsylvania Court of Common Pleas. This action has been removed to federal district court and all proceedings in the civil action are stayed pending the conclusion of the proceedings before the FERC, including the conclusion of any appeals and the expiration of the period for filing any appeals.

PJM does not believe that these matters will have a material adverse effect on its financial position, results of operations or cash flow.

Credit Matter

On June 22, 2018, PJM members were notified that GreenHat Energy, LLC defaulted on its obligations related to its FTR portfolio, which includes positions applicable to the current planning year as well as the 2019–2020 and 2020–2021 planning years. The default allocation assessments to the non-defaulting members for the period June 2018 through June 2019 were \$116.2 million and may change to liquidated costs. On January 30, 2019, FERC denied PJM's waiver requesting to only offer the August 2018 defaulted FTRs for liquidation in the FTR auction conducted in July 2018. PJM has requested FERC to stay implementation of that denial and has requested rehearing and clarification of FERC's denial of PJM's waiver request. If PJM ultimately is required to implement FERC's denial, it may require recalculation and rebilling of past default allocation assessment charges. PJM cannot predict the future default allocation assessments resulting from this default. The aggregate payment default of this member, net of collateral held, will be billed to the non-defaulting members in accordance with the default allocation assessment formula in the Operating Agreement. PJM has implemented significant FTR credit policy enhancements in both 2018 and 2019. The outcome of the default is not anticipated to have a material adverse effect on PJM's financial position, results of operations or cash flow.

Legal

PJM is routinely involved in legal actions. In the opinion of management, none of these matters will have a material adverse effect, if any, on the financial position, results of operations or liquidity of PJM.

Part I. FINANCIAL INFORMATION (continued)

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPEARTIONS

Forward-Looking Statements

In addition to the historical information presented throughout this report, there are forward-looking statements that reflect management's expectations for the future. Sometimes the words "estimate," "plan," "expect," "believe," or similar expressions will be used to identify such forward-looking statements. These forward-looking statements are based on current expectations. These statements are not guarantees of future performance and are subject to certain risks and uncertainties.

Many factors could cause actual results to differ materially from these statements. These factors include, but are not limited to, the results of regulatory proceedings, the conditions of the capital markets, interest rates, actuarial assumptions, availability of credit, liquidity and general economic conditions; changes in accounting principles and practices; acts of terrorists; the actions of adjacent control areas and other Regional Transmission Organizations (RTOs); and other operational conditions that could arise on the power system. For a description of these and other factors that may cause actual results to differ, reference is made hereby to PJM Interconnection L.L.C.'s (PJM or the Company) Consolidated Financial Statements, Notes thereto and other documents filed by the Company from time to time with the Federal Energy Regulatory Commission (FERC).

These forward-looking statements represent PJM's estimates and assumptions only as of the date of this report, and PJM assumes no responsibility to update these forward-looking statements.

Results of Operations

Revenues and Expenses

PJM's service fees increased \$1.9 million, or 3 percent, to \$74.7 million for the three-month period ended June 30, 2019 as compared with the three-month period ended June 30, 2018; and increased \$5.5 million, or 4 percent, to \$156.4 million for the six-month period ended June 30, 2019 as compared with the six-month period ended June 30, 2018. The variance in service fees is principally due to a 2.5 percent increase in the composite stated-rate on January 1, 2019. Transmission volumes for the three-month and six-month periods ended June 30, 2019 were 189 terawatt hours (TWhs) and 404 TWhs as compared with 196 TWhs and 406 TWhs for the three-month and six-month periods ended June 30, 2018.

Total expenses, excluding FERC fees, study and interconnection services, interest expense, and income taxes, increased \$4.2 million, or 6 percent, to \$76.6 million for the three-month period ended June 30, 2019 as compared with the three-month period ended June 30, 2018. Total expenses, excluding FERC fees, study and interconnection services, interest expense, and income taxes, increased \$6.0 million, or 4 percent, to \$150.1 million for the six-month period ended June 30, 2019 as compared with the six-month period ended June 30, 2018. The increase in expenses in 2019 resulted primarily from incremental costs associated with employee retirements that are one time in nature, increased software licenses and fees expenses related to software subscriptions and increased outside services. The increase in expense was offset by a decrease in depreciation and amortization primarily due to a lower fixed asset balance period over period.

Liquidity and Capital Resources

PJM has a revolving credit agreement with PNC Bank for \$150 million, which expires on January 31, 2020 and can be extended automatically through February 28, 2021. The facility is unsecured and is available to fund short-term cash obligations. At June 30, 2019, there were no outstanding borrowings under the revolving credit agreement.

On June 28, 2018, FERC approved PJM's application to refinance the Company's existing bank loan with PNC with a new term loan at Bank of America (BoA). On July 20, 2018, PJM entered into a \$20.2 million loan

agreement with BoA. The BoA term loan has a seven-year term and is unsecured. At June 30, 2019, the outstanding borrowings under the term loan were \$18.0 million.

Risks and Uncertainties

PJM does not provide forecasts of future financial performance. While PJM management is optimistic about the Company's long-term prospects, the following issues and uncertainties, among others, should be considered in evaluating its outlook.

Credit Risks

PJM bills and collects its operating expenses monthly from its members. Payment of all operating expense bills is due from PJM's members three business days after the month-end bill is issued by PJM, generally within the first two weeks of each month. For the six-month period ended June 30, 2019, approximately 55 percent of PJM's operating expenses were billed to 19 of its members, each of which either has an investment-grade credit rating according to at least one of the three major rating services or has provided a guaranty from an affiliate with an investment-grade rating. In the event of default of any PJM members, PJM has the right to bill the remaining PJM members a ratable portion of the operating expenses previously billed to the defaulting member.

In accordance with PJM's credit policy, PJM obtains collateral from certain members in order to secure their credit positions. The collateral can be in the form of a cash deposit or letter of credit. Corporate guaranties are also accepted from creditworthy affiliates to fulfill certain credit requirements.

Marginal Line Loss Surplus Payment Reallocation

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