

Kentucky Power Company  
KPSC Case No. 2017-00179 General Rate Adjustment  
KIUC's First Re-Hearing Set of Data Requests  
Dated April 2, 2018

**DATA REQUEST**

KIUC\_RH1\_001      Please provide copies of all Rockport Unit Power Agreement monthly invoices billed to the Company for the most recent twelve months in electronic format with all formulas intact.

**RESPONSE**

Please see KPCO\_R\_KIUC\_RH1\_1\_Attachment1.xls through KPCO\_R\_KIUC\_RH1\_1\_Attachment8.xls for this response. Please note, the Rockport Unit Power Agreement monthly invoices for April, May, June and July 2017 were filed as attachments to KIUC 1-43. Please see KPCO\_R\_KIUC\_1\_43\_Attachment28.xls through KPCO\_R\_KIUC\_1\_43\_Attachment31.xls for these months.

Witness:            Ranie K. Wohnhas

Kentucky Power Company  
KPSC Case No. 2017-00179 General Rate Adjustment  
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**DATA REQUEST**

KIUC\_RH1\_002

For each month of 2018, please provide:

- a. The reduction in Rockport Unit 1 federal corporate income tax expense resulting from the TCJA.
- b. The reduction in Rockport Unit 2 federal corporate income tax expense resulting from the TCJA.
- c. The amount of Rockport Unit 1 "protected" excess accumulated deferred income taxes ("ADIT") resulting from the TCJA at December 31, 2017. Provide the monthly amortization of the protected excess ADIT starting in January 2018. Describe AEP's methodology for calculating the amortization of the "protected" excess ADIT associated with Rockport Unit 1, including the length of the amortization period used.
- d. The amount of Rockport Unit 1 "unprotected" excess ADIT resulting from the TCJA by temporary difference, if any, at December 31, 2017. Provide the monthly amortization of the unprotected excess ADIT starting in January 2018 by temporary difference. Describe AEP's methodology for calculating the amortization of the "unprotected" excess ADIT associated with Rockport Unit 1, including the length of the amortization period used, for each temporary difference.
- e. The amount of Rockport Unit 2 "protected" excess ADIT resulting from the TCJA at December 31, 2017. Provide the monthly amortization of the protected excess ADIT starting in January 2018. Describe AEP's methodology for calculating the amortization of the "protected" excess ADIT associated with Rockport Unit 2, including the length of the amortization period used.
- f. The amount of Rockport Unit 2 "unprotected" excess ADIT resulting from the TCJA by temporary difference, if any, at December 31, 2017. Provide the monthly amortization of the unprotected excess ADIT starting in January 2018 by temporary difference. Describe AEP's methodology for calculating the amortization of the "unprotected" excess ADIT associated with Rockport Unit 2, including the length of the amortization period used, for each temporary difference.

**RESPONSE**

a. The reduction in Rockport Unit 1 federal corporate income tax expense resulting from the TCJA was:

January 88,285

February 210,047

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March 374,697

b. The reduction in Rockport Unit 2 federal corporate income tax expense resulting from the TCJA was:

January 71,909

February (73,019)

March (115,806)

Note that the amounts in parentheses indicate additional tax resulting from the TCJA due to taxable losses on Unit 2 in those months. Kentucky Power's share of the Rockport Unit 1 and Rockport Unit 2 expenses is 15 percent of each unit.

c. At December 31, 2017, Rockport Unit 1 "protected" excess ADIT was \$19,573,248. For 2018, the monthly amortization of this excess ADIT is \$14,252. The Company relied upon Section 13001(d) of H.R. 1 (Public Law No: 115-97), of the Tax Cuts and Jobs Act which requires normalization of excess deferred taxes resulting from prior depreciation deductions on assets placed in service before the corporate rate reduction takes effect using the average rate assumption method. The Joint Explanatory Statement of the Conference Committee ([http://docs.house.gov/billsthisweek/20171218/Joint Explanatory Statement.pdf](http://docs.house.gov/billsthisweek/20171218/Joint%20Explanatory%20Statement.pdf) at pp. 176 – 177) provides an explanation and example of the average rate assumption method. Amortization of the portion of excess ADIT that is subject to this normalization requirement will be amortized over "the remaining lives of the property as used in its regulated books of account which gave rise to the reserve for deferred taxes." See Subtitle C, Part I, Sec. 13001(d)(3)(B). The "average remaining life" is based on book life and not tax life.

d. Total Rockport "unprotected" excess ADIT is \$6,140,751. The Company does not maintain records that separates this balance between Unit 1 and Unit 2. No monthly amortization of this balance has been recorded in 2018, as the Company will not amortize any unprotected excess ADIT until authorized by the jurisdictional Commission.

e. At December 31, 2017, Rockport Unit 2 "protected" excess ADIT was \$6,630,088. For 2018, the monthly amortization of this excess ADIT is \$13,362. The Company relied upon Section 13001(d) of H.R. 1 (Public Law No: 115-97), of the Tax Cuts and Jobs Act which requires normalization of excess deferred taxes resulting from prior depreciation deductions on assets placed in service before the corporate rate reduction takes effect using the average rate

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assumption method. The Joint Explanatory Statement of the Conference Committee ([http://docs.house.gov/billsthisweek/20171218/Joint Explanatory Statement.pdf](http://docs.house.gov/billsthisweek/20171218/Joint%20Explanatory%20Statement.pdf) at pp. 176 – 177) provides an explanation and F1example of the average rate assumption method. Amortization of the portion of excess ADIT that is subject to this normalization requirement will be amortized over "the remaining lives of the property as used in its regulated books of account which gave rise to the reserve for deferred taxes." See Subtitle C, Part I, Sec. 13001(d)(3)(B). The "average remaining life," is based on book life and not tax life.

f. Total Rockport "unprotected" excess ADIT is \$6,140,751. The Company does not maintain records that separates this balance between Unit and Unit 2. No monthly amortization of this balance has been recorded in 2018, as the Company will amortize any unprotected excess ADIT until authorized by the jurisdictional Commission.

Witness:           Ranie K. Wohnhas



Kentucky Power Company  
KPSC Case No. 2017-00179 General Rate Adjustment  
KIUC's First Re-Hearing Set of Data Requests  
Dated April 2, 2018

**DATA REQUEST**

KIUC\_RH1\_003      Please provide a summary of and copies of all transmission-related invoices billed to the Company by PJM Interconnection LLC ("PJM") for the most recent twelve months in electronic format with all formulas intact.

**RESPONSE**

Please see KPCO\_R\_KIUC\_RH1\_3\_Attachment1.pdf for the requested invoices. They originate from PJM in PDF form and include no formulas.

Witness:            Alex E. Vaughan



PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403

**INVOICE NUMBER:** 2017033117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/07/2017 09:54:15  
**BILLING PERIOD:** 03/01/2017 to 03/31/2017  
**Monthly Billing Total:** \$12,712,369.54  
**Previous Weekly Billing Total:** \$10,633,192.01

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$2,079,177.53</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 04/14/2017  
**WIRE TRANSFER FUNDS TO:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/07/2017 09:54:15  
**BILLING PERIOD:** 03/01/2017 to 03/31/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,890,701.98
1108		Transmission Enhancement		\$794,086.18
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$6,992,841.55
1205		Balancing Spot Market Energy		\$(724,645.93)
1210		Day-ahead Transmission Congestion		\$511,869.55
1215		Balancing Transmission Congestion		\$151,399.83
1220		Day-ahead Transmission Losses		\$432,567.59
1225		Balancing Transmission Losses		\$31,202.80
1230		Inadvertent Interchange		\$1,252.31
1242		Day-Ahead Load Response Charge Allocation		\$57.89
1243		Real-Time Load Response Charge Allocation		\$468.19
1250		Meter Error Correction		\$(2,869.79)
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$111,595.33
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,848.21
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$40,066.44
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$927.72
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,193.51)
1308		PJM Scheduling, System Control and Dispatch Service Refund - Control Area Administration		\$(5,526.62)
1309		PJM Scheduling, System Control and Dispatch Service Refund - FTR Administration		\$(65.94)
1310		PJM Scheduling, System Control and Dispatch Service Refund - Market Support		\$(1,988.23)
1311		PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration		\$(105.65)
1313		PJM Settlement, Inc.		\$3,193.51
1314		Market Monitoring Unit (MMU) Funding		\$5,100.30
1315		FERC Annual Recovery		\$40,333.77
1316		Organization of PJM States, Inc. (OPSI) Funding		\$425.13
1317		North American Electric Reliability Corporation (NERC)		\$6,695.72
1318		Reliability First Corporation (RFC)		\$10,734.38
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$53,140.64
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$142,553.65
1340		Regulation and Frequency Response Service		\$70,679.76





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/07/2017 09:54:15  
**BILLING PERIOD:** 03/01/2017 to 03/31/2017

1360		Synchronized Reserve		\$29,806.64
1362		Non-Synchronized Reserve		\$3,743.83
1365		Day-ahead Scheduling Reserve		\$1,065.38
1370		Day-ahead Operating Reserve		\$4,725.70
1375		Balancing Operating Reserve		\$23,534.00
1376		Balancing Operating Reserve for Load Response		\$3.90
1378		Reactive Services		\$1,949.22
1380		Black Start Service		\$54,499.33
1400		Load Reconciliation for Spot Market Energy		\$(10,284.56)
1410		Load Reconciliation for Transmission Congestion		\$497.23
1420		Load Reconciliation for Transmission Losses		\$462.95
1430		Load Reconciliation for Inadvertent Interchange		\$11.97
1440		Load Reconciliation for PJM Scheduling, System Control and Dispatch Service		\$(78.99)
1441		Load Reconciliation for PJM Scheduling, System Control and Dispatch Service Refund		\$3.92
1444		Load Reconciliation for Market Monitoring Unit (MMU) Funding		\$(1.82)
1445		Load Reconciliation for FERC Annual Recovery		\$(23.39)
1446		Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding		\$(0.25)
1447		Load Reconciliation for North American Electric Reliability Corporation (NERC)		\$(3.88)
1448		Load Reconciliation for Reliability First Corporation (RFC)		\$(6.23)
1450		Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service		\$(30.82)
1460		Load Reconciliation for Regulation and Frequency Response Service		\$(20.97)
1470		Load Reconciliation for Synchronized Reserve		\$(22.30)
1472		Load Reconciliation for Non-Synchronized Reserve		\$(0.41)
1475		Load Reconciliation for Day-ahead Scheduling Reserve		\$(0.01)
1478		Load Reconciliation for Balancing Operating Reserve		\$(8.62)
1500		Financial Transmission Rights Auction		\$593,276.14
1720		RTO Start-up Cost Recovery		\$9,017.59
1100	A	Network Integration Transmission Service	01/01/2017	\$221,798.57
1108	A	Transmission Enhancement	01/01/2017	\$74,490.26
1108	A	Transmission Enhancement	02/01/2017	\$74,490.26
1120	A	Other Supporting Facilities	02/01/2017	\$529.26
1230	A	Inadvertent Interchange	02/01/2017	\$0.37
1250	A	Meter Error Correction	12/01/2016	\$(14.97)
1250	A	Meter Error Correction	02/01/2017	\$113.00
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	04/01/2016	\$0.47
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	05/01/2016	\$0.33





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**BILLING PERIOD:** 03/01/2017 to 03/31/2017

1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	06/01/2016	\$0.47
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	07/01/2016	\$0.43
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	08/01/2016	\$0.37
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	09/01/2016	\$0.29
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	10/01/2016	\$0.19
1306	A	PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center	04/01/2016	\$(0.01)
1306	A	PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center	05/01/2016	\$(0.01)
1306	A	PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center	07/01/2016	\$(0.01)
1306	A	PJM Scheduling, System Control and Dispatch Service - Advanced Second Control Center	09/01/2016	\$(0.01)
1314	A	Market Monitoring Unit (MMU) Funding	01/01/2017	\$(296.71)
1314	A	Market Monitoring Unit (MMU) Funding	02/01/2017	\$(244.81)
1320	A	Transmission Owner Scheduling, System Control and Dispatch Service	01/01/2017	\$4,551.67
1320	A	Transmission Owner Scheduling, System Control and Dispatch Service	02/01/2017	\$3,818.13
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	02/01/2016	\$(85.66)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	03/01/2016	\$(86.09)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	04/01/2016	\$(85.84)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	05/01/2016	\$(85.94)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	06/01/2016	\$(84.16)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	07/01/2016	\$(84.32)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	08/01/2016	\$(84.55)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	09/01/2016	\$(84.40)
1340	A	Regulation and Frequency Response Service	04/01/2016	\$45.78
1340	A	Regulation and Frequency Response Service	05/01/2016	\$28.65
1340	A	Regulation and Frequency Response Service	06/01/2016	\$29.34
1340	A	Regulation and Frequency Response Service	07/01/2016	\$37.78
1340	A	Regulation and Frequency Response Service	08/01/2016	\$25.71
1340	A	Regulation and Frequency Response Service	09/01/2016	\$26.27
1340	A	Regulation and Frequency Response Service	10/01/2016	\$14.40
1360	A	Synchronized Reserve	02/01/2017	\$0.14
1365	A	Day-ahead Scheduling Reserve	05/01/2014	\$(0.09)





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**BILLING PERIOD:** 03/01/2017 to 03/31/2017

1365	A	Day-ahead Scheduling Reserve	06/01/2014	\$(9.42)
1365	A	Day-ahead Scheduling Reserve	07/01/2014	\$(1.70)
1365	A	Day-ahead Scheduling Reserve	08/01/2014	\$(0.01)
1365	A	Day-ahead Scheduling Reserve	11/01/2014	\$(0.12)
1365	A	Day-ahead Scheduling Reserve	01/01/2015	\$(13.98)
1365	A	Day-ahead Scheduling Reserve	02/01/2015	\$(615.84)
1365	A	Day-ahead Scheduling Reserve	03/01/2015	\$(35.76)
1370	A	Day-ahead Operating Reserve	02/01/2017	\$0.27
1375	A	Balancing Operating Reserve	08/01/2014	\$4.06
1375	A	Balancing Operating Reserve	09/01/2014	\$80.80
1375	A	Balancing Operating Reserve	10/01/2014	\$0.34
1375	A	Balancing Operating Reserve	11/01/2014	\$19.34
1375	A	Balancing Operating Reserve	01/01/2015	\$3.19
1375	A	Balancing Operating Reserve	02/01/2015	\$5.44
1375	A	Balancing Operating Reserve	03/01/2015	\$0.15
1375	A	Balancing Operating Reserve	01/01/2016	\$2.39
1375	A	Balancing Operating Reserve	03/01/2016	\$14.99
1375	A	Balancing Operating Reserve	04/01/2016	\$337.20
1375	A	Balancing Operating Reserve	07/01/2016	\$(3,703.50)
1375	A	Balancing Operating Reserve	10/01/2016	\$94.98
1375	A	Balancing Operating Reserve	11/01/2016	\$(28.54)
1375	A	Balancing Operating Reserve	01/01/2017	\$247.60
1375	A	Balancing Operating Reserve	02/01/2017	\$103.10
1930	A	Generation Deactivation	01/01/2017	\$2,261.11
1930	A	Generation Deactivation	02/01/2017	\$2,435.04
1980	A	Miscellaneous Bilateral	03/01/2017	\$(17.86)

**Total Charges** **\$14,653,902.14**



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**FINAL BILLING STATEMENT ISSUED:** 04/07/2017 09:54:15  
**BILLING PERIOD:** 03/01/2017 to 03/31/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$30,483.40
2140		Non-Firm Point-to-Point Transmission Service		\$7,438.52
2210		Transmission Congestion		\$1,002,411.28
2220		Transmission Losses		\$171,402.49
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$22,568.46
2360		Synchronized Reserve		\$2,369.89
2365		Day-ahead Scheduling Reserve		\$380.17
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$0.00
2380		Black Start Service		\$0.00
2420		Load Reconciliation for Transmission Losses		\$(116.55)
2510		Auction Revenue Rights		\$593,786.09
2640		Incremental Capacity Transfer Rights		\$9,871.02
2130	A	Firm Point-to-Point Transmission Service	01/01/2017	\$4,327.65
2130	A	Firm Point-to-Point Transmission Service	02/01/2017	\$3,882.46
2140	A	Non-Firm Point-to-Point Transmission Service	01/01/2017	\$203.95
2140	A	Non-Firm Point-to-Point Transmission Service	02/01/2017	\$399.04
2210	A	Transmission Congestion	02/01/2017	\$0.00
2220	A	Transmission Losses	02/01/2017	\$(0.10)
<b>Total Credits</b>				<b>\$1,941,532.60</b>



PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403

**INVOICE NUMBER:** 2017043017528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 05/05/2017 08:48:39  
**BILLING PERIOD:** 04/01/2017 to 04/30/2017  
**Monthly Billing Total:** \$11,531,596.35  
**Previous Weekly Billing Total:** \$8,990,802.30

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$2,540,794.05</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 05/12/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)

**CUSTOMER IDENTIFIERS:** AEPKPD (17528)

**FINAL BILLING STATEMENT ISSUED:** 05/05/2017 08:48:39

**BILLING PERIOD:** 04/01/2017 to 04/30/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,732,937.40
1108		Transmission Enhancement		\$794,086.18
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$5,449,423.26
1205		Balancing Spot Market Energy		\$(170,206.32)
1210		Day-ahead Transmission Congestion		\$53,486.33
1215		Balancing Transmission Congestion		\$(1,015.27)
1220		Day-ahead Transmission Losses		\$279,050.97
1225		Balancing Transmission Losses		\$(6,272.38)
1230		Inadvertent Interchange		\$3,961.42
1242		Day-Ahead Load Response Charge Allocation		\$173.48
1243		Real-Time Load Response Charge Allocation		\$477.05
1250		Meter Error Correction		\$(20,156.81)
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$93,124.57
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,791.00
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$32,235.58
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$984.62
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(2,429.15)
1313		PJM Settlement, Inc.		\$2,429.15
1314		Market Monitoring Unit (MMU) Funding		\$4,102.60
1315		FERC Annual Recovery		\$33,657.90
1316		Organization of PJM States, Inc. (OPSI) Funding		\$354.78
1317		North American Electric Reliability Corporation (NERC)		\$5,587.47
1318		Reliability First Corporation (RFC)		\$8,957.70
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$44,345.03
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$143,756.44
1340		Regulation and Frequency Response Service		\$72,509.15
1360		Synchronized Reserve		\$29,056.78
1362		Non-Synchronized Reserve		\$3,257.91
1365		Day-ahead Scheduling Reserve		\$502.84
1370		Day-ahead Operating Reserve		\$3,329.76
1375		Balancing Operating Reserve		\$10,644.60
1376		Balancing Operating Reserve for Load Response		\$24.01
1378		Reactive Services		\$672.42
1380		Black Start Service		\$54,640.59





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 05/05/2017 08:48:39  
**BILLING PERIOD:** 04/01/2017 to 04/30/2017

1420		Load Reconciliation for Transmission Losses		\$ (0.01)
1500		Financial Transmission Rights Auction		\$574,138.20
1720		RTO Start-up Cost Recovery		\$8,726.70
1100	A	Network Integration Transmission Service	01/01/2017	\$221,798.57
1120	A	Other Supporting Facilities	03/01/2017	\$862.34
1230	A	Inadvertent Interchange	01/01/2017	\$ (3.51)
1230	A	Inadvertent Interchange	03/01/2017	\$ (18.80)
1250	A	Meter Error Correction	03/01/2017	\$23,706.23
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	03/01/2017	\$0.18
1311	A	PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration	03/01/2017	\$ (0.02)
1340	A	Regulation and Frequency Response Service	03/01/2017	\$26.75
1360	A	Synchronized Reserve	03/01/2017	\$0.60
1362	A	Non-Synchronized Reserve	12/01/2016	\$ (11.06)
1365	A	Day-ahead Scheduling Reserve	04/01/2015	\$ (1.77)
1365	A	Day-ahead Scheduling Reserve	05/01/2015	\$ (56.51)
1365	A	Day-ahead Scheduling Reserve	06/01/2015	\$ (22.78)
1365	A	Day-ahead Scheduling Reserve	07/01/2015	\$ (18.37)
1365	A	Day-ahead Scheduling Reserve	08/01/2015	\$ (1.16)
1365	A	Day-ahead Scheduling Reserve	09/01/2015	\$ (216.50)
1365	A	Day-ahead Scheduling Reserve	10/01/2015	\$ (5.55)
1365	A	Day-ahead Scheduling Reserve	11/01/2015	\$ (4.51)
1365	A	Day-ahead Scheduling Reserve	12/01/2015	\$ (0.92)
1365	A	Day-ahead Scheduling Reserve	01/01/2016	\$ (3.66)
1365	A	Day-ahead Scheduling Reserve	02/01/2016	\$ (0.13)
1365	A	Day-ahead Scheduling Reserve	03/01/2016	\$ (0.30)
1365	A	Day-ahead Scheduling Reserve	04/01/2016	\$ (25.03)
1365	A	Day-ahead Scheduling Reserve	05/01/2016	\$ (2.16)
1365	A	Day-ahead Scheduling Reserve	06/01/2016	\$ (0.20)
1365	A	Day-ahead Scheduling Reserve	07/01/2016	\$ (109.04)
1365	A	Day-ahead Scheduling Reserve	08/01/2016	\$ (75.39)
1365	A	Day-ahead Scheduling Reserve	09/01/2016	\$ (12.06)
1365	A	Day-ahead Scheduling Reserve	10/01/2016	\$ (53.41)
1365	A	Day-ahead Scheduling Reserve	11/01/2016	\$ (7.07)
1365	A	Day-ahead Scheduling Reserve	12/01/2016	\$ (0.70)
1375	A	Balancing Operating Reserve	12/01/2014	\$112.82
1375	A	Balancing Operating Reserve	04/01/2015	\$17.82
1375	A	Balancing Operating Reserve	05/01/2015	\$17.18
1375	A	Balancing Operating Reserve	06/01/2015	\$2.56
1375	A	Balancing Operating Reserve	09/01/2015	\$8.24
1375	A	Balancing Operating Reserve	02/01/2016	\$0.09
1375	A	Balancing Operating Reserve	04/01/2016	\$0.03
1375	A	Balancing Operating Reserve	05/01/2016	\$0.01
1375	A	Balancing Operating Reserve	07/01/2016	\$23.49
1375	A	Balancing Operating Reserve	10/01/2016	\$0.07
1375	A	Balancing Operating Reserve	12/01/2016	\$ (85.79)
1375	A	Balancing Operating Reserve	02/01/2017	\$ (61.82)
1375	A	Balancing Operating Reserve	03/01/2017	\$ (337.68)



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 05/05/2017 08:48:39  
**BILLING PERIOD:** 04/01/2017 to 04/30/2017

1930	A	Generation Deactivation	03/01/2017	\$2,695.93
<b>Total Charges</b>				<b>\$12,496,974.96</b>





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 05/05/2017 08:48:39  
**BILLING PERIOD:** 04/01/2017 to 04/30/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$29,416.30
2140		Non-Firm Point-to-Point Transmission Service		\$6,704.62
2210		Transmission Congestion		\$128,801.36
2220		Transmission Losses		\$104,357.53
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$17,671.94
2360		Synchronized Reserve		\$811.95
2365		Day-ahead Scheduling Reserve		\$17.80
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$1,067.83
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$574,137.90
2640		Incremental Capacity Transfer Rights		\$9,552.60
2140	A	Non-Firm Point-to-Point Transmission Service	01/01/2017	\$198.85
2140	A	Non-Firm Point-to-Point Transmission Service	03/01/2017	\$516.62
2210	A	Transmission Congestion	03/01/2017	\$0.00
2220	A	Transmission Losses	01/01/2017	\$(0.21)
2220	A	Transmission Losses	03/01/2017	\$(1.31)
<b>Total Credits</b>				<b>\$965,378.61</b>





PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403

**INVOICE NUMBER:** 2017053117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 06/07/2017 09:06:07  
**BILLING PERIOD:** 05/01/2017 to 05/31/2017  
**Monthly Billing Total:** \$5,897,255.39  
**Previous Weekly Billing Total:** \$3,933,032.87

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$1,964,222.52</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 06/16/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 06/07/2017 09:06:07  
**BILLING PERIOD:** 05/01/2017 to 05/31/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,890,701.98
1108		Transmission Enhancement		\$795,989.20
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(753,322.72)
1205		Balancing Spot Market Energy		\$298,246.49
1210		Day-ahead Transmission Congestion		\$176,410.29
1215		Balancing Transmission Congestion		\$(53,902.02)
1220		Day-ahead Transmission Losses		\$527,218.21
1225		Balancing Transmission Losses		\$(14,660.01)
1230		Inadvertent Interchange		\$7,668.60
1242		Day-Ahead Load Response Charge Allocation		\$406.39
1243		Real-Time Load Response Charge Allocation		\$388.47
1250		Meter Error Correction		\$37,102.13
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$95,796.70
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,850.70
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$42,163.63
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,107.22
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,179.35)
1313		PJM Settlement, Inc.		\$3,179.35
1314		Market Monitoring Unit (MMU) Funding		\$5,367.52
1315		FERC Annual Recovery		\$34,623.66
1316		Organization of PJM States, Inc. (OPSI) Funding		\$319.31
1317		North American Electric Reliability Corporation (NERC)		\$5,747.79
1318		Reliability First Corporation (RFC)		\$9,214.73
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$45,617.48
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$144,033.02
1340		Regulation and Frequency Response Service		\$69,072.33
1360		Synchronized Reserve		\$21,847.36
1362		Non-Synchronized Reserve		\$3,311.19
1365		Day-ahead Scheduling Reserve		\$23,443.78
1370		Day-ahead Operating Reserve		\$7,071.31
1375		Balancing Operating Reserve		\$23,950.70
1376		Balancing Operating Reserve for Load Response		\$11.92
1378		Reactive Services		\$2,707.81
1380		Black Start Service		\$55,604.30





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 06/07/2017 09:06:07  
**BILLING PERIOD:** 05/01/2017 to 05/31/2017

1410		Load Reconciliation for Transmission Congestion		\$0.32
1420		Load Reconciliation for Transmission Losses		\$0.16
1500		Financial Transmission Rights Auction		\$593,276.14
1720		RTO Start-up Cost Recovery		\$9,017.59
1100	A	Network Integration Transmission Service	01/01/2017	\$221,798.57
1120	A	Other Supporting Facilities	04/01/2017	\$616.08
1250	A	Meter Error Correction	04/01/2017	\$12,119.89
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	12/01/2016	\$1.46
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	01/01/2017	\$0.40
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	02/01/2017	\$0.46
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	03/01/2017	\$0.90
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	04/01/2017	\$2.00
1311	A	PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration	01/01/2017	\$(0.04)
1311	A	PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration	02/01/2017	\$(0.05)
1311	A	PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration	03/01/2017	\$(0.10)
1316	A	Organization of PJM States, Inc. (OPSI) Funding	01/01/2017	\$(59.07)
1316	A	Organization of PJM States, Inc. (OPSI) Funding	02/01/2017	\$(49.56)
1316	A	Organization of PJM States, Inc. (OPSI) Funding	03/01/2017	\$(53.13)
1316	A	Organization of PJM States, Inc. (OPSI) Funding	04/01/2017	\$(44.33)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	04/01/2017	\$(1,337.52)
1340	A	Regulation and Frequency Response Service	12/01/2016	\$186.38
1340	A	Regulation and Frequency Response Service	01/01/2017	\$256.25
1340	A	Regulation and Frequency Response Service	02/01/2017	\$42.99
1340	A	Regulation and Frequency Response Service	03/01/2017	\$158.16
1340	A	Regulation and Frequency Response Service	04/01/2017	\$144.73
1360	A	Synchronized Reserve	04/01/2017	\$0.93
1362	A	Non-Synchronized Reserve	01/01/2017	\$(17.74)
1365	A	Day-ahead Scheduling Reserve	01/01/2017	\$(0.10)
1370	A	Day-ahead Operating Reserve	08/01/2016	\$(3.37)
1370	A	Day-ahead Operating Reserve	03/01/2017	\$323.71
1375	A	Balancing Operating Reserve	05/01/2015	\$19.97
1375	A	Balancing Operating Reserve	06/01/2015	\$15.80
1375	A	Balancing Operating Reserve	07/01/2015	\$27.15
1375	A	Balancing Operating Reserve	08/01/2016	\$0.28
1375	A	Balancing Operating Reserve	01/01/2017	\$(32.10)
1375	A	Balancing Operating Reserve	03/01/2017	\$(98.66)
1375	A	Balancing Operating Reserve	04/01/2017	\$161.84
1930	A	Generation Deactivation	04/01/2017	\$1,304.48
1980	A	Miscellaneous Bilateral	05/01/2017	\$(4.15)



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 06/07/2017 09:06:07  
**BILLING PERIOD:** 05/01/2017 to 05/31/2017

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**Total Charges** **\$7,349,378.19**



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 06/07/2017 09:06:07  
**BILLING PERIOD:** 05/01/2017 to 05/31/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$17,852.83
2140		Non-Firm Point-to-Point Transmission Service		\$5,042.01
2210		Transmission Congestion		\$203,361.56
2217		Planning Period Excess Congestion		\$338,403.15
2220		Transmission Losses		\$133,699.14
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$46,715.50
2360		Synchronized Reserve		\$1,807.15
2365		Day-ahead Scheduling Reserve		\$9,298.00
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$0.00
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$593,275.83
2640		Incremental Capacity Transfer Rights		\$9,926.20
2140	A	Non-Firm Point-to-Point Transmission Service	01/01/2017	\$195.25
2140	A	Non-Firm Point-to-Point Transmission Service	04/01/2017	\$418.48
2210	A	Transmission Congestion	08/01/2016	\$0.00
2220	A	Transmission Losses	08/01/2016	\$2.87
<b>Total Credits</b>				<b>\$1,452,122.80</b>





PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403

**INVOICE NUMBER:** 2017063017528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 07/10/2017 08:54:50  
**BILLING PERIOD:** 06/01/2017 to 06/30/2017

**Monthly Billing Total:** \$5,778,985.30  
**Previous Weekly Billing Total:** \$4,217,916.28

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$1,561,069.02</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 07/14/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 07/10/2017 08:54:50  
**BILLING PERIOD:** 06/01/2017 to 06/30/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,732,937.40
1108		Transmission Enhancement		\$790,397.57
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(1,108,356.23)
1205		Balancing Spot Market Energy		\$187,353.45
1210		Day-ahead Transmission Congestion		\$369,669.34
1215		Balancing Transmission Congestion		\$(41,297.70)
1220		Day-ahead Transmission Losses		\$568,201.17
1225		Balancing Transmission Losses		\$(9,023.83)
1230		Inadvertent Interchange		\$4,791.61
1242		Day-Ahead Load Response Charge Allocation		\$234.56
1243		Real-Time Load Response Charge Allocation		\$1,606.88
1250		Meter Error Correction		\$(24,618.71)
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$100,851.38
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,479.60
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$45,141.39
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,123.20
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,404.59)
1313		PJM Settlement, Inc.		\$3,404.59
1314		Market Monitoring Unit (MMU) Funding		\$5,747.10
1315		FERC Annual Recovery		\$36,450.57
1316		Organization of PJM States, Inc. (OPSI) Funding		\$336.16
1317		North American Electric Reliability Corporation (NERC)		\$6,051.11
1318		Reliability First Corporation (RFC)		\$9,700.95
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$48,024.47
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$142,816.24
1340		Regulation and Frequency Response Service		\$55,565.94
1360		Synchronized Reserve		\$11,600.48
1362		Non-Synchronized Reserve		\$2,449.59
1365		Day-ahead Scheduling Reserve		\$14,315.92
1370		Day-ahead Operating Reserve		\$12,661.41
1375		Balancing Operating Reserve		\$35,377.87
1376		Balancing Operating Reserve for Load Response		\$289.31
1380		Black Start Service		\$54,834.98
1420		Load Reconciliation for Transmission Losses		\$0.07





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 07/10/2017 08:54:50  
**BILLING PERIOD:** 06/01/2017 to 06/30/2017

1500		Financial Transmission Rights Auction		\$241,316.40
1720		RTO Start-up Cost Recovery		\$8,726.70
1100	A	Network Integration Transmission Service	01/01/2017	\$221,798.57
1120	A	Other Supporting Facilities	05/01/2017	\$1,183.40
1205	A	Balancing Spot Market Energy	03/01/2017	\$0.04
1215	A	Balancing Transmission Congestion	03/01/2017	\$0.01
1225	A	Balancing Transmission Losses	03/01/2017	\$0.01
1230	A	Inadvertent Interchange	03/01/2017	\$1,484.15
1230	A	Inadvertent Interchange	05/01/2017	\$10.81
1243	A	Real-Time Load Response Charge Allocation	04/01/2017	\$(63.26)
1250	A	Meter Error Correction	05/01/2017	\$(3.89)
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	04/01/2017	\$0.82
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	05/01/2017	\$0.28
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	03/01/2017	\$(0.01)
1340	A	Regulation and Frequency Response Service	03/01/2017	\$0.11
1340	A	Regulation and Frequency Response Service	04/01/2017	\$59.48
1340	A	Regulation and Frequency Response Service	05/01/2017	\$18.69
1360	A	Synchronized Reserve	03/01/2017	\$0.12
1360	A	Synchronized Reserve	04/01/2017	\$498.75
1362	A	Non-Synchronized Reserve	02/01/2017	\$(86.41)
1362	A	Non-Synchronized Reserve	03/01/2017	\$(0.01)
1365	A	Day-ahead Scheduling Reserve	05/01/2017	\$311.96
1375	A	Balancing Operating Reserve	10/01/2016	\$(1.17)
1375	A	Balancing Operating Reserve	02/01/2017	\$12.77
1375	A	Balancing Operating Reserve	03/01/2017	\$(0.72)
1375	A	Balancing Operating Reserve	04/01/2017	\$(81.79)
1375	A	Balancing Operating Reserve	05/01/2017	\$612.35
1376	A	Balancing Operating Reserve for Load Response	03/01/2017	\$(0.11)
1376	A	Balancing Operating Reserve for Load Response	04/01/2017	\$1.01
1376	A	Balancing Operating Reserve for Load Response	05/01/2017	\$(0.08)
1930	A	Generation Deactivation	01/01/2017	\$86.96
1930	A	Generation Deactivation	02/01/2017	\$93.65
1930	A	Generation Deactivation	03/01/2017	\$103.69
1930	A	Generation Deactivation	04/01/2017	\$1,404.83
1930	A	Generation Deactivation	05/01/2017	\$3,016.89

**Total Charges** **\$6,543,710.25**



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 07/10/2017 08:54:50  
**BILLING PERIOD:** 06/01/2017 to 06/30/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$24,609.73
2140		Non-Firm Point-to-Point Transmission Service		\$7,224.70
2211		Day-ahead Transmission Congestion		\$260,473.96
2215		Balancing Transmission Congestion		\$(39,066.01)
2220		Transmission Losses		\$128,930.72
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$40,666.27
2360		Synchronized Reserve		\$839.43
2365		Day-ahead Scheduling Reserve		\$1,372.82
2370		Day-ahead Operating Reserve		\$524.15
2375		Balancing Operating Reserve		\$3,327.50
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$241,316.40
2640		Incremental Capacity Transfer Rights		\$1,260.00
2130	A	Firm Point-to-Point Transmission Service	04/01/2017	\$(32.72)
2130	A	Firm Point-to-Point Transmission Service	05/01/2017	\$(21.28)
2140	A	Non-Firm Point-to-Point Transmission Service	01/01/2017	\$191.75
2140	A	Non-Firm Point-to-Point Transmission Service	03/01/2017	\$0.02
2140	A	Non-Firm Point-to-Point Transmission Service	04/01/2017	\$(6.81)
2140	A	Non-Firm Point-to-Point Transmission Service	05/01/2017	\$174.78
2217	A	Planning Period Excess Congestion	05/01/2017	\$234.05
2220	A	Transmission Losses	03/01/2017	\$91.46
2220	A	Transmission Losses	05/01/2017	\$0.26
2340	A	Regulation and Frequency Response Service	04/01/2017	\$387.92
2360	A	Synchronized Reserve	04/01/2017	\$101.02
<b>Total Credits</b>				<b>\$764,724.95</b>





PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403  
Attachment 1  
Page 23 of 64

**INVOICE NUMBER:** 2017073117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 08/07/2017 08:40:05  
**BILLING PERIOD:** 07/01/2017 to 07/31/2017  
**Monthly Billing Total:** \$3,430,444.30  
**Previous Weekly Billing Total:** \$1,516,940.76

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$1,913,503.54</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 08/11/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**  
**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980  
**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980  
**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*



**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 08/07/2017 08:40:05  
**BILLING PERIOD:** 07/01/2017 to 07/31/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,890,701.98
1108		Transmission Enhancement		\$791,063.48
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(4,186,410.05)
1205		Balancing Spot Market Energy		\$(7,539.08)
1210		Day-ahead Transmission Congestion		\$276,762.18
1215		Balancing Transmission Congestion		\$(10,299.22)
1220		Day-ahead Transmission Losses		\$994,048.95
1225		Balancing Transmission Losses		\$(1,851.23)
1230		Inadvertent Interchange		\$8,589.07
1242		Day-Ahead Load Response Charge Allocation		\$426.33
1243		Real-Time Load Response Charge Allocation		\$829.29
1250		Meter Error Correction		\$29,367.39
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$111,501.24
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,528.92
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$54,434.32
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,188.95
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(4,224.16)
1313		PJM Settlement, Inc.		\$4,224.16
1314		Market Monitoring Unit (MMU) Funding		\$6,931.13
1315		FERC Annual Recovery		\$40,299.78
1316		Organization of PJM States, Inc. (OPSI) Funding		\$371.68
1317		North American Electric Reliability Corporation (NERC)		\$6,690.06
1318		Reliability First Corporation (RFC)		\$10,725.37
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$53,095.84
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$143,032.20
1340		Regulation and Frequency Response Service		\$61,798.21
1360		Synchronized Reserve		\$23,169.39
1362		Non-Synchronized Reserve		\$6,330.39
1365		Day-ahead Scheduling Reserve		\$31,110.62
1370		Day-ahead Operating Reserve		\$16,810.50
1371		Day-ahead Operating Reserve for Load Response		\$17.59
1375		Balancing Operating Reserve		\$24,224.38
1376		Balancing Operating Reserve for Load Response		\$23.65
1380		Black Start Service		\$65,350.97





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 08/07/2017 08:40:05  
**BILLING PERIOD:** 07/01/2017 to 07/31/2017

1410		Load Reconciliation for Transmission Congestion		\$(0.12)
1420		Load Reconciliation for Transmission Losses		\$(0.44)
1500		Financial Transmission Rights Auction		\$249,360.28
1720		RTO Start-up Cost Recovery		\$9,017.59
1100	A	Network Integration Transmission Service	01/01/2017	\$95,056.53
1100	A	Network Integration Transmission Service	02/01/2017	\$126,742.04
1120	A	Other Supporting Facilities	06/01/2017	\$1,098.38
1215	A	Balancing Transmission Congestion	06/01/2017	\$0.32
1225	A	Balancing Transmission Losses	06/01/2017	\$(0.24)
1230	A	Inadvertent Interchange	06/01/2017	\$2.39
1250	A	Meter Error Correction	02/01/2017	\$(528.71)
1250	A	Meter Error Correction	05/01/2017	\$331.81
1250	A	Meter Error Correction	06/01/2017	\$17,876.98
1340	A	Regulation and Frequency Response Service	06/01/2017	\$0.01
1360	A	Synchronized Reserve	03/01/2017	\$(0.58)
1360	A	Synchronized Reserve	06/01/2017	\$0.03
1362	A	Non-Synchronized Reserve	03/01/2017	\$(76.56)
1365	A	Day-ahead Scheduling Reserve	03/01/2017	\$(3.30)
1365	A	Day-ahead Scheduling Reserve	05/01/2017	\$0.11
1365	A	Day-ahead Scheduling Reserve	06/01/2017	\$6.78
1375	A	Balancing Operating Reserve	08/01/2015	\$102.77
1375	A	Balancing Operating Reserve	10/01/2015	\$487.57
1375	A	Balancing Operating Reserve	01/01/2017	\$332.41
1375	A	Balancing Operating Reserve	03/01/2017	\$(48.21)
1375	A	Balancing Operating Reserve	05/01/2017	\$(138.81)
1375	A	Balancing Operating Reserve	06/01/2017	\$9.91
1376	A	Balancing Operating Reserve for Load Response	06/01/2017	\$(3.17)
1380	A	Black Start Service	06/01/2016	\$15,717.18
1380	A	Black Start Service	07/01/2016	\$15,746.62
1380	A	Black Start Service	08/01/2016	\$15,789.23
1380	A	Black Start Service	09/01/2016	\$15,761.15
1380	A	Black Start Service	10/01/2016	\$15,680.02
1380	A	Black Start Service	11/01/2016	\$15,913.28
1380	A	Black Start Service	12/01/2016	\$15,847.18
1380	A	Black Start Service	01/01/2017	\$10,611.23
1380	A	Black Start Service	02/01/2017	\$10,619.78
1380	A	Black Start Service	03/01/2017	\$10,551.87
1380	A	Black Start Service	04/01/2017	\$10,481.58
1380	A	Black Start Service	05/01/2017	\$10,582.25
1380	A	Black Start Service	06/01/2017	\$10,480.23
1400	A	Load Reconciliation for Spot Market Energy	03/01/2017	\$10,284.56
1410	A	Load Reconciliation for Transmission Congestion	03/01/2017	\$(497.22)
1420	A	Load Reconciliation for Transmission Losses	03/01/2017	\$(462.97)
1430	A	Load Reconciliation for Inadvertent Interchange	03/01/2017	\$(11.97)
1440	A	Load Reconciliation for PJM Scheduling, System Control and Dispatch Service	03/01/2017	\$78.99
1441	A	Load Reconciliation for PJM Scheduling, System Control and Dispatch Service Refund	03/01/2017	\$(3.92)



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 08/07/2017 08:40:05  
**BILLING PERIOD:** 07/01/2017 to 07/31/2017

1444	A	Load Reconciliation for Market Monitoring Unit (MMU) Funding	03/01/2017	\$1.82
1445	A	Load Reconciliation for FERC Annual Recovery	03/01/2017	\$23.39
1446	A	Load Reconciliation for Organization of PJM States, Inc. (OPSI) Funding	03/01/2017	\$0.25
1447	A	Load Reconciliation for North American Electric Reliability Corporation (NERC)	03/01/2017	\$3.88
1448	A	Load Reconciliation for Reliability First Corporation (RFC)	03/01/2017	\$6.23
1450	A	Load Reconciliation for Transmission Owner Scheduling, System Control and Dispatch Service	03/01/2017	\$30.82
1460	A	Load Reconciliation for Regulation and Frequency Response Service	03/01/2017	\$20.97
1470	A	Load Reconciliation for Synchronized Reserve	03/01/2017	\$22.30
1472	A	Load Reconciliation for Non-Synchronized Reserve	03/01/2017	\$0.41
1475	A	Load Reconciliation for Day-ahead Scheduling Reserve	03/01/2017	\$0.01
1478	A	Load Reconciliation for Balancing Operating Reserve	03/01/2017	\$8.62
1930	A	Generation Deactivation	06/01/2017	\$2,919.97
<b>Total Charges</b>				<b>\$4,136,649.79</b>





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 08/07/2017 08:40:05  
**BILLING PERIOD:** 07/01/2017 to 07/31/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$33,968.42
2140		Non-Firm Point-to-Point Transmission Service		\$4,132.40
2211		Day-ahead Transmission Congestion		\$144,185.76
2215		Balancing Transmission Congestion		\$(82,098.35)
2220		Transmission Losses		\$182,037.80
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$71,185.54
2360		Synchronized Reserve		\$2,710.37
2365		Day-ahead Scheduling Reserve		\$233.99
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$924.15
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$254,169.31
2640		Incremental Capacity Transfer Rights		\$1,302.00
2140	A	Non-Firm Point-to-Point Transmission Service	01/01/2017	\$81.13
2140	A	Non-Firm Point-to-Point Transmission Service	02/01/2017	\$112.27
2140	A	Non-Firm Point-to-Point Transmission Service	06/01/2017	\$172.92
2215	A	Balancing Transmission Congestion	06/01/2017	\$859.58
2220	A	Transmission Losses	06/01/2017	\$(13.18)
2420	A	Load Reconciliation for Transmission Losses	03/01/2017	\$116.55
<b>Total Credits</b>				<b>\$706,205.49</b>





**INVOICE NUMBER:** 2017083117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 09/08/2017 08:35:22  
**BILLING PERIOD:** 08/01/2017 to 08/31/2017  
**Monthly Billing Total:** \$4,037,158.68  
**Previous Weekly Billing Total:** \$2,450,055.06

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$1,587,103.62</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 09/15/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 09/08/2017 08:35:22  
**BILLING PERIOD:** 08/01/2017 to 08/31/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,890,701.98
1108		Transmission Enhancement		\$791,063.48
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(3,438,685.90)
1205		Balancing Spot Market Energy		\$576,115.91
1210		Day-ahead Transmission Congestion		\$19,774.18
1215		Balancing Transmission Congestion		\$(1,165.17)
1220		Day-ahead Transmission Losses		\$707,803.25
1225		Balancing Transmission Losses		\$(21,010.35)
1230		Inadvertent Interchange		\$8,018.49
1242		Day-Ahead Load Response Charge Allocation		\$479.61
1243		Real-Time Load Response Charge Allocation		\$1,746.33
1250		Meter Error Correction		\$(13,229.25)
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$106,662.21
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,528.92
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$50,645.87
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,155.28
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,929.84)
1313		PJM Settlement, Inc.		\$3,929.84
1314		Market Monitoring Unit (MMU) Funding		\$6,448.51
1315		FERC Annual Recovery		\$38,550.77
1316		Organization of PJM States, Inc. (OPSI) Funding		\$355.53
1317		North American Electric Reliability Corporation (NERC)		\$6,399.73
1318		Reliability First Corporation (RFC)		\$10,259.90
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$50,791.53
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$143,573.97
1340		Regulation and Frequency Response Service		\$61,087.55
1360		Synchronized Reserve		\$9,235.15
1362		Non-Synchronized Reserve		\$4,325.67
1365		Day-ahead Scheduling Reserve		\$3,059.53
1370		Day-ahead Operating Reserve		\$20,095.03
1375		Balancing Operating Reserve		\$16,637.20
1376		Balancing Operating Reserve for Load Response		\$332.23
1380		Black Start Service		\$65,599.11
1410		Load Reconciliation for Transmission Congestion		\$(0.26)



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 09/08/2017 08:35:22  
**BILLING PERIOD:** 08/01/2017 to 08/31/2017

1420		Load Reconciliation for Transmission Losses		\$ (0.01)
1500		Financial Transmission Rights Auction		\$249,360.28
1720		RTO Start-up Cost Recovery		\$9,017.59
1100	A	Network Integration Transmission Service	02/01/2017	\$221,798.57
1120	A	Other Supporting Facilities	07/01/2017	\$1,239.86
1230	A	Inadvertent Interchange	06/01/2017	\$ (0.98)
1230	A	Inadvertent Interchange	07/01/2017	\$ (28.20)
1250	A	Meter Error Correction	07/01/2017	\$25,060.74
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	07/01/2017	\$0.04
1340	A	Regulation and Frequency Response Service	07/01/2017	\$9.54
1362	A	Non-Synchronized Reserve	04/01/2017	\$ (33.85)
1365	A	Day-ahead Scheduling Reserve	04/01/2017	\$ (1.03)
1365	A	Day-ahead Scheduling Reserve	06/01/2017	\$10.11
1365	A	Day-ahead Scheduling Reserve	07/01/2017	\$150.68
1375	A	Balancing Operating Reserve	09/01/2015	\$86.03
1375	A	Balancing Operating Reserve	10/01/2015	\$38.21
1375	A	Balancing Operating Reserve	12/01/2015	\$92.19
1375	A	Balancing Operating Reserve	04/01/2017	\$ (42.28)
1375	A	Balancing Operating Reserve	06/01/2017	\$756.05
1375	A	Balancing Operating Reserve	07/01/2017	\$ (16.52)
1930	A	Generation Deactivation	07/01/2017	\$2,642.74
<b>Total Charges</b>				<b>\$4,634,987.75</b>





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 09/08/2017 08:35:22  
**BILLING PERIOD:** 08/01/2017 to 08/31/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$31,075.48
2140		Non-Firm Point-to-Point Transmission Service		\$4,663.06
2211		Day-ahead Transmission Congestion		\$66,712.40
2215		Balancing Transmission Congestion		\$(39,806.08)
2220		Transmission Losses		\$126,876.26
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$51,507.09
2360		Synchronized Reserve		\$842.37
2365		Day-ahead Scheduling Reserve		\$16.09
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$19.53
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$262,694.93
2640		Incremental Capacity Transfer Rights		\$1,302.00
2130	A	Firm Point-to-Point Transmission Service	06/01/2017	\$(6.24)
2130	A	Firm Point-to-Point Transmission Service	07/01/2017	\$(296.50)
2140	A	Non-Firm Point-to-Point Transmission Service	02/01/2017	\$193.35
2140	A	Non-Firm Point-to-Point Transmission Service	06/01/2017	\$(1.87)
2140	A	Non-Firm Point-to-Point Transmission Service	07/01/2017	\$101.59
2215	A	Balancing Transmission Congestion	06/01/2017	\$(0.03)
2215	A	Balancing Transmission Congestion	07/01/2017	\$(334.53)
2220	A	Transmission Losses	06/01/2017	\$(0.08)
2220	A	Transmission Losses	07/01/2017	\$(0.32)
2340	A	Regulation and Frequency Response Service	07/01/2017	\$145.74
<b>Total Credits</b>				<b>\$597,829.07</b>



PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403

**INVOICE NUMBER:** 2017093017528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 10/06/2017 08:49:55  
**BILLING PERIOD:** 09/01/2017 to 09/30/2017  
**Monthly Billing Total:** \$7,031,870.25  
**Previous Weekly Billing Total:** \$4,682,982.23

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$2,348,888.02</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 10/13/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980  
**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

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David Budney  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 10/06/2017 08:49:55  
**BILLING PERIOD:** 09/01/2017 to 09/30/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,732,937.40
1108		Transmission Enhancement		\$791,063.48
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(90,666.63)
1205		Balancing Spot Market Energy		\$171,972.65
1210		Day-ahead Transmission Congestion		\$336,519.96
1215		Balancing Transmission Congestion		\$37,250.35
1220		Day-ahead Transmission Losses		\$660,808.88
1225		Balancing Transmission Losses		\$(13,001.52)
1230		Inadvertent Interchange		\$9,284.46
1242		Day-Ahead Load Response Charge Allocation		\$326.18
1243		Real-Time Load Response Charge Allocation		\$1,368.40
1250		Meter Error Correction		\$17,474.41
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$92,794.20
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,479.60
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$39,579.92
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$999.82
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,070.47)
1313		PJM Settlement, Inc.		\$3,070.47
1314		Market Monitoring Unit (MMU) Funding		\$5,039.06
1315		FERC Annual Recovery		\$33,538.48
1316		Organization of PJM States, Inc. (OPSI) Funding		\$309.30
1317		North American Electric Reliability Corporation (NERC)		\$5,567.62
1318		Reliability First Corporation (RFC)		\$8,925.91
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$44,187.74
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$143,116.36
1340		Regulation and Frequency Response Service		\$75,916.97
1360		Synchronized Reserve		\$26,277.15
1362		Non-Synchronized Reserve		\$4,753.69
1365		Day-ahead Scheduling Reserve		\$31,398.31
1370		Day-ahead Operating Reserve		\$20,299.44
1375		Balancing Operating Reserve		\$40,082.59
1376		Balancing Operating Reserve for Load Response		\$17.22
1380		Black Start Service		\$65,456.89
1500		Financial Transmission Rights Auction		\$241,316.40





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 10/06/2017 08:49:55  
**BILLING PERIOD:** 09/01/2017 to 09/30/2017

1720		RTO Start-up Cost Recovery		\$8,726.70
1100	A	Network Integration Transmission Service	02/01/2017	\$221,798.57
1120	A	Other Supporting Facilities	08/01/2017	\$1,173.42
1230	A	Inadvertent Interchange	06/01/2017	\$3.15
1230	A	Inadvertent Interchange	07/01/2017	\$5.16
1230	A	Inadvertent Interchange	08/01/2017	\$(4.93)
1250	A	Meter Error Correction	08/01/2017	\$15,862.93
1362	A	Non-Synchronized Reserve	05/01/2017	\$(25.46)
1365	A	Day-ahead Scheduling Reserve	05/01/2017	\$(207.73)
1365	A	Day-ahead Scheduling Reserve	07/01/2017	\$(61.26)
1375	A	Balancing Operating Reserve	11/01/2015	\$4,022.51
1375	A	Balancing Operating Reserve	05/01/2017	\$(18.86)
1375	A	Balancing Operating Reserve	06/01/2017	\$0.01
1375	A	Balancing Operating Reserve	07/01/2017	\$(311.39)
1375	A	Balancing Operating Reserve	08/01/2017	\$(1.34)
1930	A	Generation Deactivation	08/01/2017	\$3,017.31
<b>Total Charges</b>				<b>\$7,796,865.48</b>



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 10/06/2017 08:49:55  
**BILLING PERIOD:** 09/01/2017 to 09/30/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$18,517.12
2140		Non-Firm Point-to-Point Transmission Service		\$6,242.02
2211		Day-ahead Transmission Congestion		\$279,619.48
2215		Balancing Transmission Congestion		\$(59,782.77)
2220		Transmission Losses		\$100,737.95
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$44,143.95
2360		Synchronized Reserve		\$19,391.95
2365		Day-ahead Scheduling Reserve		\$17,559.11
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$0.00
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$244,488.90
2640		Incremental Capacity Transfer Rights		\$1,260.00
2140	A	Non-Firm Point-to-Point Transmission Service	02/01/2017	\$189.47
2140	A	Non-Firm Point-to-Point Transmission Service	08/01/2017	\$139.43
2210	A	Transmission Congestion	01/01/2017	\$(409.16)
2211	A	Day-ahead Transmission Congestion	08/01/2017	\$(2.93)
2215	A	Balancing Transmission Congestion	06/01/2017	\$0.08
2215	A	Balancing Transmission Congestion	07/01/2017	\$(0.18)
2215	A	Balancing Transmission Congestion	08/01/2017	\$(1.29)
2217	A	Planning Period Excess Congestion	05/01/2017	\$777.21
2220	A	Transmission Losses	06/01/2017	\$0.07
2220	A	Transmission Losses	07/01/2017	\$0.09
2220	A	Transmission Losses	08/01/2017	\$(0.10)
<b>Total Credits</b>				<b>\$764,995.23</b>



PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403  
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**INVOICE NUMBER:** 2017103117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 11/07/2017 08:41:40  
**BILLING PERIOD:** 10/01/2017 to 10/31/2017  
**Monthly Billing Total:** \$3,463,988.46  
**Previous Weekly Billing Total:** \$688,300.23

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$2,775,688.23</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 11/10/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

David Budney  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 11/07/2017 08:41:40  
**BILLING PERIOD:** 10/01/2017 to 10/31/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,890,701.98
1108		Transmission Enhancement		\$791,063.48
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(3,791,867.56)
1205		Balancing Spot Market Energy		\$473,024.62
1210		Day-ahead Transmission Congestion		\$(87,561.15)
1215		Balancing Transmission Congestion		\$51,162.79
1220		Day-ahead Transmission Losses		\$660,728.80
1225		Balancing Transmission Losses		\$(15,935.39)
1230		Inadvertent Interchange		\$12,689.32
1242		Day-Ahead Load Response Charge Allocation		\$360.83
1243		Real-Time Load Response Charge Allocation		\$1,985.22
1250		Meter Error Correction		\$3,092.10
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$94,082.83
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,528.92
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$45,723.00
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,186.16
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(2,857.99)
1308		PJM Scheduling, System Control and Dispatch Service Refund - Control Area Administration		\$(14,963.63)
1309		PJM Scheduling, System Control and Dispatch Service Refund - FTR Administration		\$(109.12)
1310		PJM Scheduling, System Control and Dispatch Service Refund - Market Support		\$(7,005.59)
1311		PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration		\$(419.92)
1313		PJM Settlement, Inc.		\$2,857.99
1314		Market Monitoring Unit (MMU) Funding		\$5,821.74
1315		FERC Annual Recovery		\$34,004.22
1316		Organization of PJM States, Inc. (OPSI) Funding		\$313.61
1317		North American Electric Reliability Corporation (NERC)		\$5,644.97
1318		Reliability First Corporation (RFC)		\$9,049.86
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$44,801.34
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$144,315.99
1340		Regulation and Frequency Response Service		\$67,049.76





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 11/07/2017 08:41:40  
**BILLING PERIOD:** 10/01/2017 to 10/31/2017

1360		Synchronized Reserve		\$13,722.53
1362		Non-Synchronized Reserve		\$5,318.10
1365		Day-ahead Scheduling Reserve		\$1,630.43
1370		Day-ahead Operating Reserve		\$11,679.91
1371		Day-ahead Operating Reserve for Load Response		\$0.71
1375		Balancing Operating Reserve		\$29,032.30
1376		Balancing Operating Reserve for Load Response		\$71.77
1378		Reactive Services		\$253.11
1380		Black Start Service		\$65,938.97
1410		Load Reconciliation for Transmission Congestion		\$0.32
1500		Financial Transmission Rights Auction		\$249,360.28
1720		RTO Start-up Cost Recovery		\$9,017.59
1100	A	Network Integration Transmission Service	02/01/2017	\$316,855.10
1120	A	Other Supporting Facilities	09/01/2017	\$1,075.70
1230	A	Inadvertent Interchange	08/01/2017	\$5.42
1250	A	Meter Error Correction	08/01/2017	\$(34.62)
1250	A	Meter Error Correction	09/01/2017	\$16,141.95
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	08/01/2017	\$0.13
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	09/01/2017	\$0.18
1340	A	Regulation and Frequency Response Service	08/01/2017	\$8.38
1340	A	Regulation and Frequency Response Service	09/01/2017	\$19.99
1360	A	Synchronized Reserve	09/01/2017	\$4.89
1362	A	Non-Synchronized Reserve	06/01/2017	\$(36.71)
1365	A	Day-ahead Scheduling Reserve	06/01/2017	\$(2.97)
1365	A	Day-ahead Scheduling Reserve	08/01/2017	\$7.32
1365	A	Day-ahead Scheduling Reserve	09/01/2017	\$41.29
1375	A	Balancing Operating Reserve	02/01/2016	\$35.47
1375	A	Balancing Operating Reserve	06/01/2016	\$0.03
1375	A	Balancing Operating Reserve	03/01/2017	\$(0.25)
1375	A	Balancing Operating Reserve	05/01/2017	\$8.32
1375	A	Balancing Operating Reserve	06/01/2017	\$(132.13)
1375	A	Balancing Operating Reserve	08/01/2017	\$(87.66)
1375	A	Balancing Operating Reserve	09/01/2017	\$0.14
1930	A	Generation Deactivation	09/01/2017	\$2,919.97

**Total Charges**

**\$4,149,817.14**



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)

**CUSTOMER IDENTIFIERS:** AEPKPD (17528)

**FINAL BILLING STATEMENT ISSUED:** 11/07/2017 08:41:40

**BILLING PERIOD:** 10/01/2017 to 10/31/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$18,585.69
2140		Non-Firm Point-to-Point Transmission Service		\$6,852.17
2211		Day-ahead Transmission Congestion		\$90,480.24
2215		Balancing Transmission Congestion		\$80,222.65
2220		Transmission Losses		\$99,287.80
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$55,488.29
2360		Synchronized Reserve		\$1,221.88
2365		Day-ahead Scheduling Reserve		\$2,507.30
2370		Day-ahead Operating Reserve		\$9,291.15
2375		Balancing Operating Reserve		\$0.00
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$252,413.16
2640		Incremental Capacity Transfer Rights		\$1,302.00
2140	A	Non-Firm Point-to-Point Transmission Service	02/01/2017	\$264.17
2140	A	Non-Firm Point-to-Point Transmission Service	09/01/2017	\$205.90
2210	A	Transmission Congestion	02/01/2017	\$(20,256.27)
2211	A	Day-ahead Transmission Congestion	09/01/2017	\$(0.37)
2215	A	Balancing Transmission Congestion	06/01/2017	\$15.68
2215	A	Balancing Transmission Congestion	07/01/2017	\$62.56
2215	A	Balancing Transmission Congestion	08/01/2017	\$289.10
2215	A	Balancing Transmission Congestion	09/01/2017	\$(9,307.49)
2217	A	Planning Period Excess Congestion	05/01/2017	\$4,284.13
2220	A	Transmission Losses	08/01/2017	\$0.13
2390	A	Fuel Cost Policy Penalty	05/01/2017	\$199.43
2390	A	Fuel Cost Policy Penalty	06/01/2017	\$73.72
2390	A	Fuel Cost Policy Penalty	07/01/2017	\$157.39
2390	A	Fuel Cost Policy Penalty	08/01/2017	\$63.44
<b>Total Credits</b>				<b>\$685,828.68</b>





PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403  
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**INVOICE NUMBER:** 2017113017528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 12/07/2017 08:47:48  
**BILLING PERIOD:** 11/01/2017 to 11/30/2017  
**Monthly Billing Total:** \$6,788,200.26  
**Previous Weekly Billing Total:** \$5,297,055.96

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$1,491,144.30</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 12/15/2017  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 12/07/2017 08:47:48  
**BILLING PERIOD:** 11/01/2017 to 11/30/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,732,937.40
1108		Transmission Enhancement		\$791,063.48
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(175,709.77)
1205		Balancing Spot Market Energy		\$564,259.12
1210		Day-ahead Transmission Congestion		\$(161,109.75)
1215		Balancing Transmission Congestion		\$13,160.77
1220		Day-ahead Transmission Losses		\$567,506.71
1225		Balancing Transmission Losses		\$(6,213.47)
1230		Inadvertent Interchange		\$699.42
1242		Day-Ahead Load Response Charge Allocation		\$456.49
1243		Real-Time Load Response Charge Allocation		\$972.38
1250		Meter Error Correction		\$10,880.05
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$105,756.03
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,481.65
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$45,088.07
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,050.05
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(2,818.41)
1308		PJM Scheduling, System Control and Dispatch Service Refund - Control Area Administration		\$(16,820.25)
1309		PJM Scheduling, System Control and Dispatch Service Refund - FTR Administration		\$(105.75)
1310		PJM Scheduling, System Control and Dispatch Service Refund - Market Support		\$(6,908.38)
1311		PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration		\$(371.75)
1313		PJM Settlement, Inc.		\$2,818.41
1314		Market Monitoring Unit (MMU) Funding		\$5,740.97
1315		FERC Annual Recovery		\$38,223.24
1316		Organization of PJM States, Inc. (OPSI) Funding		\$352.53
1317		North American Electric Reliability Corporation (NERC)		\$6,345.35
1318		Reliability First Corporation (RFC)		\$10,172.75
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$50,360.01
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$146,398.50
1340		Regulation and Frequency Response Service		\$64,703.62





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 12/07/2017 08:47:48  
**BILLING PERIOD:** 11/01/2017 to 11/30/2017

1360		Synchronized Reserve		\$6,239.14
1362		Non-Synchronized Reserve		\$6,174.73
1365		Day-ahead Scheduling Reserve		\$687.87
1370		Day-ahead Operating Reserve		\$16,972.71
1375		Balancing Operating Reserve		\$28,622.37
1376		Balancing Operating Reserve for Load Response		\$350.87
1380		Black Start Service		\$66,124.47
1410		Load Reconciliation for Transmission Congestion		\$(1.19)
1420		Load Reconciliation for Transmission Losses		\$(0.96)
1500		Financial Transmission Rights Auction		\$241,316.40
1720		RTO Start-up Cost Recovery		\$8,726.70
1120	A	Other Supporting Facilities	10/01/2017	\$1,150.26
1243	A	Real-Time Load Response Charge Allocation	07/01/2017	\$16.73
1243	A	Real-Time Load Response Charge Allocation	08/01/2017	\$134.23
1250	A	Meter Error Correction	10/01/2017	\$14,800.54
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	10/01/2017	\$(512.31)
1360	A	Synchronized Reserve	10/01/2017	\$0.05
1362	A	Non-Synchronized Reserve	07/01/2017	\$(94.06)
1365	A	Day-ahead Scheduling Reserve	07/01/2017	\$(6.93)
1365	A	Day-ahead Scheduling Reserve	09/01/2017	\$2.72
1375	A	Balancing Operating Reserve	07/01/2017	\$(22.61)
1375	A	Balancing Operating Reserve	09/01/2017	\$(226.71)
1375	A	Balancing Operating Reserve	10/01/2017	\$(19.63)
1376	A	Balancing Operating Reserve for Load Response	07/01/2017	\$0.05
1376	A	Balancing Operating Reserve for Load Response	08/01/2017	\$(1.88)
1930	A	Generation Deactivation	10/01/2017	\$3,017.31
1980	A	Miscellaneous Bilateral	09/01/2017	\$20,395.83
<b>Total Charges</b>				<b>\$7,210,708.17</b>





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 12/07/2017 08:47:48  
**BILLING PERIOD:** 11/01/2017 to 11/30/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$17,823.69
2140		Non-Firm Point-to-Point Transmission Service		\$7,422.61
2211		Day-ahead Transmission Congestion		\$(53,526.64)
2215		Balancing Transmission Congestion		\$(30,414.75)
2220		Transmission Losses		\$127,294.56
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$32,904.31
2360		Synchronized Reserve		\$2,416.47
2365		Day-ahead Scheduling Reserve		\$1,090.73
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$0.00
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$245,258.70
2640		Incremental Capacity Transfer Rights		\$1,260.00
2140	A	Non-Firm Point-to-Point Transmission Service	10/01/2017	\$472.04
2210	A	Transmission Congestion	03/01/2017	\$(25,379.73)
2211	A	Day-ahead Transmission Congestion	10/01/2017	\$(266.32)
2215	A	Balancing Transmission Congestion	09/01/2017	\$930.87
2217	A	Planning Period Excess Congestion	05/01/2017	\$3,096.54
<b>Total Credits</b>				<b>\$422,507.91</b>



PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403  
Attachment 1  
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**INVOICE NUMBER:** 2017123117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 01/08/2018 08:44:06  
**BILLING PERIOD:** 12/01/2017 to 12/31/2017  
**Monthly Billing Total:** \$7,070,205.97  
**Previous Weekly Billing Total:** \$4,929,928.48

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$2,140,277.49</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 01/12/2018  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 01/08/2018 08:44:06  
**BILLING PERIOD:** 12/01/2017 to 12/31/2017

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$4,890,701.98
1108		Transmission Enhancement		\$794,768.15
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$(535,706.54)
1205		Balancing Spot Market Energy		\$173,071.18
1210		Day-ahead Transmission Congestion		\$286,939.85
1215		Balancing Transmission Congestion		\$(53,072.14)
1220		Day-ahead Transmission Losses		\$1,272,952.23
1225		Balancing Transmission Losses		\$(20,340.75)
1230		Inadvertent Interchange		\$6,663.02
1242		Day-Ahead Load Response Charge Allocation		\$304.56
1243		Real-Time Load Response Charge Allocation		\$1,077.28
1250		Meter Error Correction		\$71,707.04
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$130,269.73
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,528.92
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$56,475.56
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,341.49
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,531.51)
1308		PJM Scheduling, System Control and Dispatch Service Refund - Control Area Administration		\$(20,719.08)
1309		PJM Scheduling, System Control and Dispatch Service Refund - FTR Administration		\$(109.12)
1310		PJM Scheduling, System Control and Dispatch Service Refund - Market Support		\$(8,654.41)
1311		PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration		\$(474.90)
1313		PJM Settlement, Inc.		\$3,531.51
1314		Market Monitoring Unit (MMU) Funding		\$7,191.90
1315		FERC Annual Recovery		\$47,083.19
1316		Organization of PJM States, Inc. (OPSI) Funding		\$434.25
1317		North American Electric Reliability Corporation (NERC)		\$7,816.18
1318		Reliability First Corporation (RFC)		\$12,530.70
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$62,033.19
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$151,709.35
1340		Regulation and Frequency Response Service		\$121,510.13





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 01/08/2018 08:44:06  
**BILLING PERIOD:** 12/01/2017 to 12/31/2017

1360		Synchronized Reserve		\$7,485.63
1362		Non-Synchronized Reserve		\$8,596.88
1365		Day-ahead Scheduling Reserve		\$1,018.26
1370		Day-ahead Operating Reserve		\$33,187.35
1375		Balancing Operating Reserve		\$42,013.09
1376		Balancing Operating Reserve for Load Response		\$144.84
1380		Black Start Service		\$65,773.18
1420		Load Reconciliation for Transmission Losses		\$0.21
1500		Financial Transmission Rights Auction		\$249,360.28
1720		RTO Start-up Cost Recovery		\$9,017.59
1120	A	Other Supporting Facilities	11/01/2017	\$1,088.80
1230	A	Inadvertent Interchange	10/01/2017	\$12.77
1250	A	Meter Error Correction	11/01/2017	\$(403.21)
1317	A	North American Electric Reliability Corporation (NERC)	12/01/2017	\$9,539.21
1318	A	Reliability First Corporation (RFC)	12/01/2017	\$15,726.27
1360	A	Synchronized Reserve	11/01/2017	\$0.05
1362	A	Non-Synchronized Reserve	08/01/2017	\$(43.35)
1365	A	Day-ahead Scheduling Reserve	08/01/2017	\$(0.70)
1375	A	Balancing Operating Reserve	08/01/2017	\$(20.82)
1375	A	Balancing Operating Reserve	09/01/2017	\$9.87
1375	A	Balancing Operating Reserve	10/01/2017	\$(318.58)
1375	A	Balancing Operating Reserve	11/01/2017	\$(47.59)
1380	A	Black Start Service	06/01/2016	\$336.56
1380	A	Black Start Service	07/01/2016	\$337.19
1380	A	Black Start Service	08/01/2016	\$338.10
1380	A	Black Start Service	09/01/2016	\$337.50
1380	A	Black Start Service	10/01/2016	\$335.76
1380	A	Black Start Service	11/01/2016	\$340.75
1380	A	Black Start Service	12/01/2016	\$339.33
1380	A	Black Start Service	01/01/2017	\$227.22
1380	A	Black Start Service	02/01/2017	\$227.40
1380	A	Black Start Service	03/01/2017	\$225.94
1380	A	Black Start Service	04/01/2017	\$224.45
1380	A	Black Start Service	05/01/2017	\$226.60
1380	A	Black Start Service	06/01/2017	\$224.68
1380	A	Black Start Service	07/01/2017	\$225.02
1380	A	Black Start Service	08/01/2017	\$225.87
1380	A	Black Start Service	09/01/2017	\$225.16
1380	A	Black Start Service	10/01/2017	\$227.05
1380	A	Black Start Service	11/01/2017	\$227.68
1930	A	Generation Deactivation	11/01/2017	\$2,919.97
<b>Total Charges</b>				<b>\$7,915,437.20</b>





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 01/08/2018 08:44:06  
**BILLING PERIOD:** 12/01/2017 to 12/31/2017

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$19,811.20
2140		Non-Firm Point-to-Point Transmission Service		\$14,162.01
2211		Day-ahead Transmission Congestion		\$193,433.56
2215		Balancing Transmission Congestion		\$(180,167.95)
2220		Transmission Losses		\$256,244.53
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$170,996.67
2360		Synchronized Reserve		\$1,147.07
2365		Day-ahead Scheduling Reserve		\$298.64
2370		Day-ahead Operating Reserve		\$20,271.62
2375		Balancing Operating Reserve		\$0.00
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$252,699.91
2640		Incremental Capacity Transfer Rights		\$1,302.00
2130	A	Firm Point-to-Point Transmission Service	11/01/2017	\$4.95
2140	A	Non-Firm Point-to-Point Transmission Service	11/01/2017	\$453.50
2210	A	Transmission Congestion	04/01/2017	\$(373.30)
2215	A	Balancing Transmission Congestion	10/01/2017	\$(0.28)
2217	A	Planning Period Excess Congestion	05/01/2017	\$2,821.96
2220	A	Transmission Losses	10/01/2017	\$0.31
<b>Total Credits</b>				<b>\$845,231.23</b>



**INVOICE NUMBER:** 2018013117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 02/07/2018 08:59:48  
**BILLING PERIOD:** 01/01/2018 to 01/31/2018  
**Monthly Billing Total:** \$16,169,948.89  
**Previous Weekly Billing Total:** \$12,047,511.76

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$4,122,437.13</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 02/16/2018  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 02/07/2018 08:59:48  
**BILLING PERIOD:** 01/01/2018 to 01/31/2018

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$5,990,459.53
1108		Transmission Enhancement		\$917,755.28
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$5,264,526.74
1205		Balancing Spot Market Energy		\$2,159,646.31
1210		Day-ahead Transmission Congestion		\$2,927,600.60
1215		Balancing Transmission Congestion		\$(272,414.61)
1220		Day-ahead Transmission Losses		\$3,220,562.32
1225		Balancing Transmission Losses		\$(56,496.13)
1230		Inadvertent Interchange		\$44,076.79
1242		Day-Ahead Load Response Charge Allocation		\$3,163.63
1243		Real-Time Load Response Charge Allocation		\$2,647.30
1250		Meter Error Correction		\$(153,423.49)
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$149,743.57
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,528.92
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$61,162.77
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,294.21
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(4,880.26)
1313		PJM Settlement, Inc.		\$4,880.26
1314		Market Monitoring Unit (MMU) Funding		\$7,525.00
1315		FERC Annual Recovery		\$54,549.43
1316		Organization of PJM States, Inc. (OPSI) Funding		\$534.78
1317		North American Electric Reliability Corporation (NERC)		\$9,483.73
1318		Reliability First Corporation (RFC)		\$14,903.06
1319		Consumer Advocates of PJM States, Inc. (CAPS)		\$185.40
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$64,603.65
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$156,494.97
1340		Regulation and Frequency Response Service		\$387,884.38
1360		Synchronized Reserve		\$86,588.69
1362		Non-Synchronized Reserve		\$41,422.25
1365		Day-ahead Scheduling Reserve		\$39,947.53
1370		Day-ahead Operating Reserve		\$45,349.72
1375		Balancing Operating Reserve		\$240,476.94
1376		Balancing Operating Reserve for Load Response		\$(6.93)
1377		Synchronous Condensing		\$377.26



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 02/07/2018 08:59:48  
**BILLING PERIOD:** 01/01/2018 to 01/31/2018

1378		Reactive Services		\$45,544.80
1380		Black Start Service		\$67,834.21
1410		Load Reconciliation for Transmission Congestion		\$0.08
1420		Load Reconciliation for Transmission Losses		\$(0.05)
1500		Financial Transmission Rights Auction		\$249,360.28
1720		RTO Start-up Cost Recovery		\$9,318.91
1120	A	Other Supporting Facilities	12/01/2017	\$899.36
1250	A	Meter Error Correction	11/01/2017	\$30.98
1250	A	Meter Error Correction	12/01/2017	\$(317,869.29)
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	12/01/2017	\$0.41
1311	A	PJM Scheduling, System Control and Dispatch Service Refund - Regulation Market Administration	12/01/2017	\$(0.16)
1340	A	Regulation and Frequency Response Service	12/01/2017	\$202.89
1362	A	Non-Synchronized Reserve	09/01/2017	\$(31.25)
1365	A	Day-ahead Scheduling Reserve	09/01/2017	\$(120.06)
1375	A	Balancing Operating Reserve	09/01/2017	\$(20.66)
1375	A	Balancing Operating Reserve	11/01/2017	\$(357.60)
1375	A	Balancing Operating Reserve	12/01/2017	\$(1,056.78)
1376	A	Balancing Operating Reserve for Load Response	12/01/2017	\$0.04
1930	A	Generation Deactivation	12/01/2017	\$3,017.31
<b>Total Charges</b>				<b>\$21,475,399.02</b>





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 02/07/2018 08:59:48  
**BILLING PERIOD:** 01/01/2018 to 01/31/2018

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$37,176.24
2140		Non-Firm Point-to-Point Transmission Service		\$10,710.79
2211		Day-ahead Transmission Congestion		\$3,828,699.20
2215		Balancing Transmission Congestion		\$(58,024.18)
2220		Transmission Losses		\$673,475.83
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$212,771.10
2360		Synchronized Reserve		\$56,407.90
2365		Day-ahead Scheduling Reserve		\$7,217.14
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$132,156.24
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$304,208.27
2640		Incremental Capacity Transfer Rights		\$1,336.72
2130	A	Firm Point-to-Point Transmission Service	04/01/2017	\$8.04
2130	A	Firm Point-to-Point Transmission Service	05/01/2017	\$5.23
2130	A	Firm Point-to-Point Transmission Service	06/01/2017	\$6.91
2130	A	Firm Point-to-Point Transmission Service	07/01/2017	\$9.34
2130	A	Firm Point-to-Point Transmission Service	08/01/2017	\$8.62
2130	A	Firm Point-to-Point Transmission Service	09/01/2017	\$5.14
2130	A	Firm Point-to-Point Transmission Service	10/01/2017	\$5.16
2140	A	Non-Firm Point-to-Point Transmission Service	04/01/2017	\$1.89
2140	A	Non-Firm Point-to-Point Transmission Service	05/01/2017	\$1.53
2140	A	Non-Firm Point-to-Point Transmission Service	06/01/2017	\$2.10
2140	A	Non-Firm Point-to-Point Transmission Service	07/01/2017	\$1.19
2140	A	Non-Firm Point-to-Point Transmission Service	08/01/2017	\$1.35
2140	A	Non-Firm Point-to-Point Transmission Service	09/01/2017	\$1.81
2140	A	Non-Firm Point-to-Point Transmission Service	10/01/2017	\$1.98
2140	A	Non-Firm Point-to-Point Transmission Service	11/01/2017	\$2.15
2140	A	Non-Firm Point-to-Point Transmission Service	12/01/2017	\$249.72
2210	A	Transmission Congestion	05/01/2017	\$(1,121.10)
2217	A	Planning Period Excess Congestion	05/01/2017	\$7,933.89
2390	A	Fuel Cost Policy Penalty	05/01/2017	\$11.58
2390	A	Fuel Cost Policy Penalty	07/01/2017	\$51.10
2390	A	Fuel Cost Policy Penalty	08/01/2017	\$2.42
<b>Total Credits</b>				<b>\$5,305,450.13</b>



PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403

**INVOICE NUMBER:** 2018022817528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 03/06/2018 14:19:14  
**BILLING PERIOD:** 02/01/2018 to 02/28/2018  
**Monthly Billing Total:** \$10,627,863.43  
**Previous Weekly Billing Total:** \$6,931,491.73

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$3,696,371.70</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 03/16/2018  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER - [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

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**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 03/06/2018 14:19:14  
**BILLING PERIOD:** 02/01/2018 to 02/28/2018

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$5,410,737.64
1108		Transmission Enhancement		\$917,755.28
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$3,121,014.83
1205		Balancing Spot Market Energy		\$540,727.03
1210		Day-ahead Transmission Congestion		\$123,534.35
1215		Balancing Transmission Congestion		\$(21,000.47)
1220		Day-ahead Transmission Losses		\$555,651.86
1225		Balancing Transmission Losses		\$(36,619.39)
1230		Inadvertent Interchange		\$1,166.55
1242		Day-Ahead Load Response Charge Allocation		\$822.93
1243		Real-Time Load Response Charge Allocation		\$1,444.47
1250		Meter Error Correction		\$(337.69)
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$104,900.87
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,380.96
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$39,459.34
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$1,058.38
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(3,146.58)
1313		PJM Settlement, Inc.		\$3,146.58
1314		Market Monitoring Unit (MMU) Funding		\$4,853.55
1315		FERC Annual Recovery		\$38,213.90
1316		Organization of PJM States, Inc. (OPSI) Funding		\$374.66
1317		North American Electric Reliability Corporation (NERC)		\$6,643.72
1318		Reliability First Corporation (RFC)		\$10,440.16
1319		Consumer Advocates of PJM States, Inc. (CAPS)		\$129.88
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$45,257.24
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$160,196.88
1340		Regulation and Frequency Response Service		\$51,310.19
1360		Synchronized Reserve		\$4,775.83
1362		Non-Synchronized Reserve		\$2,307.43
1365		Day-ahead Scheduling Reserve		\$92.61
1370		Day-ahead Operating Reserve		\$27,713.76
1375		Balancing Operating Reserve		\$10,048.49
1376		Balancing Operating Reserve for Load Response		\$6.33
1380		Black Start Service		\$68,212.78





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 03/06/2018 14:19:14  
**BILLING PERIOD:** 02/01/2018 to 02/28/2018

1420		Load Reconciliation for Transmission Losses		\$0.01
1500		Financial Transmission Rights Auction		\$225,228.64
1720		RTO Start-up Cost Recovery		\$8,417.08
1120	A	Other Supporting Facilities	01/01/2018	\$442.20
1250	A	Meter Error Correction	01/01/2018	\$(76,419.52)
1304	A	PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration	01/01/2018	\$0.26
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	11/01/2016	\$3,831.48
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	12/01/2016	\$3,815.59
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	01/01/2017	\$2,617.30
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	02/01/2017	\$2,619.40
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	03/01/2017	\$2,602.69
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	04/01/2017	\$2,600.23
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	05/01/2017	\$2,629.70
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	06/01/2017	\$2,607.47
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	07/01/2017	\$2,611.41
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	08/01/2017	\$2,621.31
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	09/01/2017	\$2,612.95
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	10/01/2017	\$2,625.50
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	11/01/2017	\$2,672.88
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	12/01/2017	\$2,769.83
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	01/01/2018	\$2,815.07
1340	A	Regulation and Frequency Response Service	01/01/2018	\$94.83
1360	A	Synchronized Reserve	12/01/2017	\$(0.02)
1362	A	Non-Synchronized Reserve	10/01/2017	\$(25.59)
1365	A	Day-ahead Scheduling Reserve	10/01/2017	\$(7.07)
1375	A	Balancing Operating Reserve	04/01/2016	\$24.14
1375	A	Balancing Operating Reserve	05/01/2016	\$80.13
1375	A	Balancing Operating Reserve	10/01/2017	\$(60.76)
1375	A	Balancing Operating Reserve	11/01/2017	\$(219.38)
1375	A	Balancing Operating Reserve	12/01/2017	\$(31.79)
1375	A	Balancing Operating Reserve	01/01/2018	\$34.28
1930	A	Generation Deactivation	01/01/2018	\$1,329.60
1980	A	Miscellaneous Bilateral	11/01/2017	\$(23,251.47)



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 03/06/2018 14:19:14  
**BILLING PERIOD:** 02/01/2018 to 02/28/2018

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**Total Charges** **\$11,376,454.73**



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 03/06/2018 14:19:14  
**BILLING PERIOD:** 02/01/2018 to 02/28/2018

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$32,216.76
2140		Non-Firm Point-to-Point Transmission Service		\$4,132.85
2211		Day-ahead Transmission Congestion		\$117,685.56
2215		Balancing Transmission Congestion		\$(28,566.04)
2220		Transmission Losses		\$129,052.85
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$46,192.71
2360		Synchronized Reserve		\$69.93
2365		Day-ahead Scheduling Reserve		\$85.26
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$1,298.92
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$348,813.64
2640		Incremental Capacity Transfer Rights		\$1,207.36
2140	A	Non-Firm Point-to-Point Transmission Service	01/01/2018	\$222.46
2390	A	Fuel Cost Policy Penalty	07/01/2017	\$258.64
2390	A	Fuel Cost Policy Penalty	08/01/2017	\$65.07
2390	A	Fuel Cost Policy Penalty	09/01/2017	\$86.69
2390	A	Fuel Cost Policy Penalty	10/01/2017	\$540.89
2390	A	Fuel Cost Policy Penalty	11/01/2017	\$1,034.07
2390	A	Fuel Cost Policy Penalty	12/01/2017	\$376.24
2390	A	Fuel Cost Policy Penalty	01/01/2018	\$1,692.61
<b>Total Credits</b>				<b>\$748,591.30</b>







PJM Settlement, Inc.  
2750 Monroe Blvd.  
Audubon, PA 19403  
Attachment 1  
Page 59 of 64

**INVOICE NUMBER:** 2018033117528  
**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/05/2018 10:45:14  
**BILLING PERIOD:** 03/01/2018 to 03/31/2018  
**Monthly Billing Total:** \$19,176,826.63  
**Previous Weekly Billing Total:** \$16,426,134.16

Monthly Billing Statement Summary	Total
<b>Total Net Charge. Please Pay This Amount.</b>	<b>\$2,750,692.47</b>

**TERMS:** PAYABLE IN FULL BY 12:00 PM EPT ON 04/13/2018  
**Fed Wire/ACH Bank Instructions:** PJM SETTLEMENT, INC.  
PNC Bank, N.A.  
Pittsburgh, PA  
ABA NUMBER [REDACTED]  
ACCOUNT NUMBER [REDACTED]

**FOR INQUIRIES CONTACT:**

**PJM MEMBER RELATIONS (Banking / Payment):** custsvc@pjm.com (866) 400-8980

**PJM MARKET SETTLEMENTS (Billing Line Items):** mrkt\_settlement\_ops@pjm.com (866) 400-8980

**ADDITIONAL BILLING STATEMENT INFORMATION:**

\*\*\*This cover page includes PJM Settlement, Inc. banking information that is NOT to be publicly shared. In order to reduce the risk of potential fraud, please redact any PJM Settlement banking information prior to including these billing statements in any public documents.\*\*\*

**David Budney**  
Manager, PJM Market Settlements





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/05/2018 10:45:14  
**BILLING PERIOD:** 03/01/2018 to 03/31/2018

CHARGES	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
1100		Network Integration Transmission Service		\$5,990,459.53
1108		Transmission Enhancement		\$917,755.28
1120		Other Supporting Facilities		\$6,492.00
1130		Firm Point-to-Point Transmission Service		\$0.00
1140		Non-Firm Point-to-Point Transmission Service		\$0.00
1200		Day-ahead Spot Market Energy		\$10,592,035.12
1205		Balancing Spot Market Energy		\$300,490.86
1210		Day-ahead Transmission Congestion		\$683,907.92
1215		Balancing Transmission Congestion		\$(23,960.05)
1220		Day-ahead Transmission Losses		\$585,171.31
1225		Balancing Transmission Losses		\$(11,914.82)
1230		Inadvertent Interchange		\$452.45
1242		Day-Ahead Load Response Charge Allocation		\$508.93
1243		Real-Time Load Response Charge Allocation		\$1,788.51
1250		Meter Error Correction		\$7,798.08
1301		PJM Scheduling, System Control and Dispatch Service - Control Area Administration		\$114,683.43
1302		PJM Scheduling, System Control and Dispatch Service - FTR Administration		\$1,526.86
1303		PJM Scheduling, System Control and Dispatch Service - Market Support		\$34,644.10
1304		PJM Scheduling, System Control and Dispatch Service - Regulation Market Administration		\$986.08
1305		PJM Scheduling, System Control and Dispatch Service - Capacity Resource/Obligation Mgmt.		\$0.00
1307		PJM Scheduling, System Control and Dispatch Service - Market Support Offset		\$(2,761.06)
1313		PJM Settlement, Inc.		\$2,761.06
1314		Market Monitoring Unit (MMU) Funding		\$3,829.79
1315		FERC Annual Recovery		\$41,777.57
1316		Organization of PJM States, Inc. (OPSI) Funding		\$409.60
1317		North American Electric Reliability Corporation (NERC)		\$7,263.28
1318		Reliability First Corporation (RFC)		\$11,413.75
1319		Consumer Advocates of PJM States, Inc. (CAPS)		\$142.02
1320		Transmission Owner Scheduling, System Control and Dispatch Service		\$49,477.67
1330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$160,261.07
1340		Regulation and Frequency Response Service		\$88,544.02
1360		Synchronized Reserve		\$16,684.54
1362		Non-Synchronized Reserve		\$12,353.69
1365		Day-ahead Scheduling Reserve		\$935.66
1370		Day-ahead Operating Reserve		\$36,068.54
1371		Day-ahead Operating Reserve for Load Response		\$1.46
1375		Balancing Operating Reserve		\$20,340.66
1376		Balancing Operating Reserve for Load Response		\$0.64





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/05/2018 10:45:14  
**BILLING PERIOD:** 03/01/2018 to 03/31/2018

1380		Black Start Service		\$68,666.00
1410		Load Reconciliation for Transmission Congestion		\$(0.11)
1420		Load Reconciliation for Transmission Losses		\$(0.06)
1500		Financial Transmission Rights Auction		\$249,360.28
1720		RTO Start-up Cost Recovery		\$9,318.91
1120	A	Other Supporting Facilities	02/01/2018	\$833.40
1250	A	Meter Error Correction	02/01/2018	\$(8,872.43)
1314	A	Market Monitoring Unit (MMU) Funding	01/01/2018	\$(792.20)
1314	A	Market Monitoring Unit (MMU) Funding	02/01/2018	\$(510.99)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	12/01/2016	\$902.43
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	01/01/2017	\$604.20
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	02/01/2017	\$604.69
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	03/01/2017	\$600.84
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	04/01/2017	\$596.84
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	05/01/2017	\$602.56
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	06/01/2017	\$597.47
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	07/01/2017	\$598.37
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	08/01/2017	\$600.63
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	09/01/2017	\$598.72
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	10/01/2017	\$(961.25)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	11/01/2017	\$(963.95)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	12/01/2017	\$(955.55)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	01/01/2018	\$(985.44)
1330	A	Reactive Supply and Voltage Control from Generation and Other Sources Service	02/01/2018	\$(990.93)
1340	A	Regulation and Frequency Response Service	04/01/2016	\$0.36
1340	A	Regulation and Frequency Response Service	10/01/2016	\$4.07
1340	A	Regulation and Frequency Response Service	11/01/2016	\$0.32
1340	A	Regulation and Frequency Response Service	12/01/2016	\$14.81
1340	A	Regulation and Frequency Response Service	01/01/2018	\$8.07
1360	A	Synchronized Reserve	10/01/2016	\$79.61
1360	A	Synchronized Reserve	11/01/2016	\$41.83
1360	A	Synchronized Reserve	12/01/2016	\$30.33
1360	A	Synchronized Reserve	01/01/2018	\$(85.56)
1362	A	Non-Synchronized Reserve	04/01/2016	\$1.24





**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/05/2018 10:45:14  
**BILLING PERIOD:** 03/01/2018 to 03/31/2018

1362	A	Non-Synchronized Reserve	10/01/2016	\$(1.23)
1362	A	Non-Synchronized Reserve	12/01/2016	\$(0.09)
1362	A	Non-Synchronized Reserve	11/01/2017	\$(152.30)
1365	A	Day-ahead Scheduling Reserve	11/01/2017	\$(0.53)
1365	A	Day-ahead Scheduling Reserve	01/01/2018	\$(785.74)
1375	A	Balancing Operating Reserve	11/01/2017	\$(37.20)
1375	A	Balancing Operating Reserve	12/01/2017	\$(10.23)
1375	A	Balancing Operating Reserve	01/01/2018	\$(205.85)
1930	A	Generation Deactivation	02/01/2018	\$2,574.51
<b>Total Charges</b>				<b>\$19,973,258.40</b>



**CUSTOMER ACCOUNT:** Appalachian Power Company (Kentucky Power Dedicated)  
**CUSTOMER IDENTIFIERS:** AEPKPD (17528)  
**FINAL BILLING STATEMENT ISSUED:** 04/05/2018 10:45:14  
**BILLING PERIOD:** 03/01/2018 to 03/31/2018

CREDITS	ADJ	BILLING LINE ITEM NAME	SOURCE BILLING PERIOD START	AMOUNT
2100		Network Integration Transmission Service		\$0.00
2130		Firm Point-to-Point Transmission Service		\$23,119.00
2140		Non-Firm Point-to-Point Transmission Service		\$6,146.84
2211		Day-ahead Transmission Congestion		\$270,560.88
2215		Balancing Transmission Congestion		\$(86,290.32)
2220		Transmission Losses		\$206,233.70
2320		Transmission Owner Scheduling, System Control and Dispatch Service		\$0.00
2330		Reactive Supply and Voltage Control from Generation and Other Sources Service		\$92,124.83
2340		Regulation and Frequency Response Service		\$23,610.50
2360		Synchronized Reserve		\$2,219.58
2365		Day-ahead Scheduling Reserve		\$135.86
2370		Day-ahead Operating Reserve		\$0.00
2375		Balancing Operating Reserve		\$828.36
2380		Black Start Service		\$0.00
2510		Auction Revenue Rights		\$255,883.92
2640		Incremental Capacity Transfer Rights		\$1,336.72
2140	A	Non-Firm Point-to-Point Transmission Service	02/01/2018	\$516.64
2340	A	Regulation and Frequency Response Service	11/01/2016	\$5.26
<b>Total Credits</b>				<b>\$796,431.77</b>





Kentucky Power Company  
KPSC Case No. 2017-00179 General Rate Adjustment  
KIUC's First Re-Hearing Set of Data Requests  
Dated April 2, 2018

**DATA REQUEST**

KIUC\_RH1\_004      Please provide, by month, for the 2017 calendar year and for each month of 2018:

- a. The total amount of transmission revenues received by the Company as a transmission owner in PJM.
- b. The total amount of transmission costs incurred by the Company (by FERC account) as a transmission user in PJM.

**RESPONSE**

Please see KPCO\_R\_KIUC\_RH1\_4\_Attachment.xlsx for the requested information. Please note that the 2018 amounts will be re-billed by PJM due to the new AEP OATT rates arising from the non-unanimous settlement in FERC Docket EL17-13-000.

Witness:            Alex E. Vaughan



**VERIFICATION**

The undersigned, Ranie K. Wohnhas, being duly sworn, deposes and says he is the Managing Director of Regulatory & Finance for Kentucky Power, that he has personal knowledge of the matters set forth in the forgoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

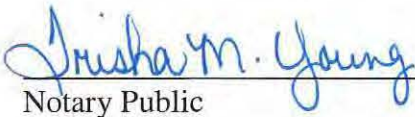


Ranie K. Wohnhas

Commonwealth of Kentucky )  
)  
County of Boyd )

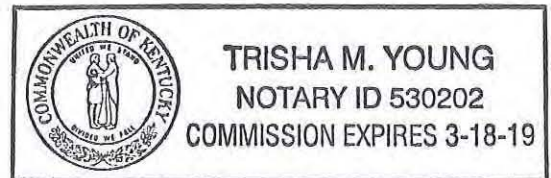
Case No. 2018-00035

Subscribed and sworn before me, a Notary Public, by Ranie K. Wohnhas this 9<sup>th</sup> day of April, 2018.



Notary Public

My Commission Expires 3-18-19



VERIFICATION

The undersigned, Alex E. Vaughan, being duly sworn, deposes and says he is the Regulatory Pricing & Analysis Manager for American Electric Power, that he has personal knowledge of the matters set forth in the forgoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.



Alex E. Vaughan

State of Ohio                    )  
  )  
County of Franklin            )     Case No. 2018-00035

Subscribed and sworn before me, a Notary Public, by Alex E. Vaughan this  
9 day of April, 2018.

Amanda E. Owen  
Notary Public

My Commission Expires Never



Amanda E. Owen, Attorney At Law  
NOTARY PUBLIC - STATE OF OHIO  
My commission has no expiration date  
Sec. 147.03 R.C.