	A	B	C	D	E	F	G	H	I
532	Pascoag Utility District - Expense by Rate Component								
533	Aug-19								
534	**Energy Component**	**Kwhrs**		**Standard Offer**		**Transmission**		**Total**	**Average**
535									
536	**MMWEC - Project 6**								
537	Project 6	988,825		$ 34,022.09		$ 56.17		$ 34,078.26	
538	Credit							$ -	
539	**Total MMWEC-Project 6**	**988,825**		**$ 34,022.09**		**$ 56.17**		**$ 34,078.26**	**$ 0.0345**
540									
541	**MMWEC Non-PSA**								
542	Admin Exp			$ 179.28				$ 179.28	
543	HQI					$ 91.14		$ 91.14	
544	HQI					$ 24.81		$ 24.81	
545	HQII					$ 997.89		$ 997.89	
546	NYPA Billing correction								
547	**Total MMWEC Non PSA**			**$ 179.28**		**$ 1,113.84**		**$ 1,293.12**	
548									
549	**NYPA - Niagara**								
550	Demand			$ 2,849.00				$ 2,849.00	
551	Energy	406,500		$ 1,999.98				$ 1,999.98	
552	NYISO Ancillary					$ 241.83		$ 241.83	
553	TUC Charges					$ 5,264.86		$ 5,264.86	
554	ISO True up Charges/credits					$ 1.06		$ 1.06	
555	**Total - Niagara**	**406,500**		**$ 4,848.98**		**$ 5,507.75**		**$ 10,356.73**	**$ 0.0255**
556									
557	**NYPA - St Lawrence**							$ -	
558	Demand			$ 4,070.00				$ 4,070.00	
559	Energy	659,500		$ 3,244.74				$ 3,244.74	
560	NYISO Ancillary					$ 383.26		$ 383.26	
561	TUC Charges					$ 4,768.10		$ 4,768.10	
562	ISO True up Charges/credits			$ (23,563.51)		$ 2.21		$ (23,561.30)	
563	**Total - St Lawrence**	**659,500**		**$ (16,248.77)**		**$ 5,153.57**		**$ (11,095.20)**	**$ (0.0168)**
564									
565	**National Grid**								
566	Direct Assignment Facilities (DAR)					$ 5,665.00		$ 5,665.00	
567	LNS - NGrid					$ 12,323.99		$ 12,323.99	
568	**Total National Grid**					**$ 17,988.99**		**$ 17,988.99**	
569									
570	**Energy New England**								
571	All Requirements/ST Power Sply			$ 7,484.00				$ 7,484.00	
572	Spruce Mountain	88,019		$ 8,735.93				$ 8,735.93	$ 0.0993
573	Spruce Mountain - REC Sales			$ (11,615.75)				$ (11,615.75)	
574	Spruce Mountain - FCM Credit			$ (434.89)				$ (434.89)	
575	Spruce Mntn -REC fee mngmnt							$ -	
576	Brown Bear II Hydo Purchases	53,282		$ 2,714.17				$ 2,714.17	$ 0.0509
577	Brown Bear Rec Sales Class I & II			$ (956.55)				$ (956.55)	
578	Energy Purchase PSEG	2,431,934		$ 111,260.98				$ 111,260.98	$ 0.0457
579	Financial Settlement PSEG			$ (6.36)				$ (6.36)	#DIV/0!
580	HQ Administrative Fee							$ -	#DIV/0!
581	HQ Use Right Payment					$ (1,696.09)		$ (1,696.09)	
582	HQ HQICC Payment			$ (1,563.71)				$ (1,563.71)	
583	Financial Settlement - Exelon							$ -	#DIV/0!
584	Energy Purchase- Next Era	744,000		$ 28,867.20				$ 28,867.20	$ 0.0388
585	Option Energy Purchase NextEra	496,000		$ 19,413.19				$ 19,413.19	$ 0.0391
586	Option Mthly Fixed Cost - NextEra			$ 7,080.00				$ 7,080.00	
587	UCAP Purchase - NextEra			$ 2,510.00				$ 2,510.00	
588	NextEra Enerty Mrkg UCAP Sales			$ (7,030.00)				$ (7,030.00)	
589	Energy Purchase- Canton Mntn Wind	57,148		$ 5,800.54				$ 5,800.54	
590	Canton Wind FMC Credit/Settlement			$ (208.72)				$ (208.72)	
591	Canton Mntn Wind Rec Sales			$ (9,983.39)				$ (9,983.39)	
592	**ENE/ISO**								
593	ISO Monthly Charges			$ (1,609.73)				$ (1,609.73)	
594	Weekly Sales/Purchases	-77,474		$ 131,763.48		$ 112,919.48		$ 244,682.96	$ (3.1583)
595	Annual ISO Membership Fee							$ -	
596	MH CM Credit							$ -	
597	**ENE/ Constant Energy Capital**							$ -	
598	Pascoag Power House-Energy	17,870		$ 11,450.75		$ 9,125.43		$ 20,576.18	July Transmissi
599	**Total -Energy New England**	**3,810,779**		**$ 303,671.14**		**$ 120,348.82**		**$ 424,019.96**	
600	**Legal Fees**			**$ 2,030.26**		**$ 282.47**		**$ 2,312.73**	
601	**Power Costs - August 2019**	**5,865,604**		**$ 328,502.98**		**$ 150,451.61**		**$ 478,954.59**	**$ 0.0817**
602									
603	**NYPA Interruptible Kwhrs:**			**Month**		**Y-T-D**			
604	Niagara			125,750		862,450			
605	St Lawrence			172,750		1,764,150			
606				298,500		2,626,600			

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
PO Box 426
Ludlow, Massachusetts 01056

Public Energy Partners

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag, RI 02859
CUST ID# 1150

MONTHLY TOTAL

Memorandum Invoice for Period: AUGUST 2019

Project Name	KW Capability	KWH Generation	Capacity	Fuel	Transmission	Total Net Monthly Power Costs	Cost per KWH
Project Six	75,020	55,580,082	1,619,285.52	293,034.87	3,157.51	1,915,477.90	.0345
TOTAL		55,580,082	$1,619,285.52	$293,034.87	$3,157.51	$1,915,477.90	$0.0345

MONTHLY TOTAL - PARTICIPANT SHARE

Project Name	KW Capability	KWH Generation	Capacity	Fuel	Transmission	Total Net Monthly Power Costs	Cost per KWH
Project Six	1,335	988,825	28,808.71	5,213.38	56.17	34,078.26	.0345
TOTAL		988,825	$28,808.71	$5,213.38	$56.17	$34,078.26	$0.0345

MONTHLY TOTAL BY FACILITY - PARTICIPANT SHARE

Project Name	KW Capability	KWH Generation	Capacity	Fuel	Transmission	Total Net Monthly Power Costs	Cost per KWH
Seabrook	1,335	988,825	28,808.71	5,213.38	56.17	34,078.26	.0345
TOTAL		988,825	$28,808.71	$5,213.38	$56.17	$34,078.26	$0.0345

34,022.09

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
PO Box 426
Ludlow, Massachusetts 01056

Public Energy Partners

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag, RI 02859
CUST ID# 1150

Participant Prepaid Balance Summary Report
Project Name: Project Six
Beginning Balance $308.93 December - 2018

2019	Billing (Budget)	KWH Generation	Capacity	Fuel	Transmission	Ending Balance	Surplus Funds and Other Credits
January	$35,671.05	990,665	$30,386.91	$5,223.08	$54.38	$315.61	$12,253.43
February	35,163.84	894,542	28,810.50	4,716.29	54.38	$1,898.28	12,478.98
March	35,665.31	989,752	28,804.19	5,218.27	60.70	$3,480.43	12,478.98
April	33,918.19	959,941	28,834.19	5,061.10	30.69	$3,472.64	12,461.62
May	34,083.15	991,527	28,772.51	5,227.63	92.38	$3,463.27	12,478.00
June	33,926.02	958,725	28,805.94	5,054.69	58.95	$3,469.71	12,478.00
July	32,413.43	989,770	28,801.02	5,218.37	63.86	$1,799.89	12,478.00
August	32,408.74	988,825	28,808.71	5,213.38	56.17	$130.37	0.00 no credits
September	33,918.31	0	0.00	0.00	0.00	$34,048.68	0.00
October	0.00	0	0.00	0.00	0.00	$34,048.68	0.00
November	0.00	0	0.00	0.00	0.00	$34,048.68	0.00
December	0.00	0	0.00	0.00	0.00	$34,048.68	0.00
TOTAL	$307,168.04	7,763,747	$232,023.97	$40,932.81	$471.51		$87,107.01

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
Ludlow, Massachusetts 01056

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag, RI 02859

Invoice Number:	70441
Invoice Date:	09/12/2019
Due Date:	10/12/2019
Customer ID:	1150

Service Bill
Billing Period **8**, for services rendered under the All Requirements Agreement or MMWEC Service Agreement, as applicable

Bill Code	Description of Charges	Amount
00CB	Consolidated Billing Administr	27.85
NY41	Pascoag - NYPA Power Administr	151.43
	Total Due:	$ 179.28

Payment Instructions

PLEASE MAKE PAYMENT TO MMWEC VIA:

ACH: BANK OF AMERICA N.A.
SPRINGFIELD, MA
ABA # 011-000-138

WIRE: BANK OF AMERICA N.A.
SPRINGFIELD, MA
ABA # 0260-0959-3

FOR CREDIT TO: MMWEC TRUSTEE ZERO BALANCE ACCT. 75-169-307

PLEASE IDENTIFY THE INVOICE(S) AND/OR POWER PURCHASE AGREEMENTS BEING PAID.

Massachusetts Municipal Wholesale Electric Company
Stony Brook Energy Center
327 Moody Street
Ludlow, Massachusetts 01056

AUG 23 2019

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag RI 02859

Statement Date:	8/20/2019
Due Date:	9/20/2019
Customer ID:	1150
Power Period:	July 2019

CONSOLIDATED BILLING STATEMENT FOR INVOICES RENDERED FOR THE PERIOD July 20,2019 TO August 20,2019

SEE ATTACHED INVOICES FOR BILLING DETAIL

INV #	DESCRIPTION	AMOUNT	KWH
69513	HYDRO QUEBEC PHASE I	$91.14	
69638	HYDRO QUEBEC PHASE I	24.81	
69534	HYDRO QUEBEC PHASE II	997.89	
69671	SERVICE BILLING	278.44	
70087	PROJECT SIX	33,918.31	

AUG

- JULY

prepay

TOTAL DUE $35,310.59

PLEASE SEND CHECK/WIRE FOR ALL INVOICES TO MMWEC TRUSTEE ZERO BALANCE ACCT. SEE INVOICES FOR DETAILS.
REFER QUESTIONS TO ACCOUNTING DEPT 1-800-332-9469 EXT 242 FOR PSA INVOICES AND EXT 322 FOR NON-PSA INVOICES

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
Ludlow, Massachusetts 01056

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag RI 02859

Invoice Number:	69513 RI
Invoice Date:	08/01/2019
Due Date:	08/14/2019
Customer ID:	1150

Hydro Quebec Phase I
Billing Period - Aug. 2019-NEET

	MMWEC Share	PART. %	Participant Share
Percent Participation			
Capability	23,826 KW	0.6617 %	158 KW
Total Capability	23,826 KW		158 KW
Generation (KWH)			
Generation - Sold			0 KWH
Generation - Purchased	0 KWH	0.6617 %	0 KWH
Total Net Generation	0 KWH		0 KWH
Capacity Charge			
Capacity Charge	$0.00	0.6617 %	$0.00
Total Capacity	$0.00		$0.00
Energy Charge			
Energy Charge	$0.00	0.6617 %	$0.00
Energy Charge - NEPOOL Charges			$0.00
Total Energy	$0.00		$0.00
Other Charges / Credits			$0.00
Transmission Costs	$2,309.48	0.6617 %	$15.28
Sub Total - Purchased Power	$2,309.48		$15.28
Administrative Expense	$11,454.91	0.6617 %	$75.80
Administrative Expense - Line of Credit	$7.84	0.6617 %	$0.06
Investment Earnings Credit			$0.00
Interest on Borrowings - Line of Credit			$0.00
Interest Expense			$0.00
Total Admin & Other Costs	$11,462.75		$75.86
Assessments			
Reserve Trust			$0.00
Working Capital			$0.00
Total MMWEC Share	$13,772.23		$0.00

If all or any part of this invoice remains unpaid after the due date, interest shall accrue to MMWEC equal to its cost of money or the rate applicable under the related contract.

Total Due: $91.14

Payment Instructions

PLEASE MAKE PAYMENT TO MMWEC VIA:

ACH: BANK OF AMERICA N.A.
SPRINGFIELD, MA ABA # 011-000-138

WIRE: BANK OF AMERICA N.A.
SPRINGFIELD, MA ABA # 0260-0959-3

FOR CREDIT TO: MMWEC TRUSTEE ZERO BALANCE ACCT. 75-169-307

PLEASE IDENTIFY THE INVOICE(S) AND/OR POWER PURCHASE AGREEMENTS BEING PAID.

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
Ludlow, Massachusetts 01056

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag RI 02859

Invoice Number:	69638 RI
Invoice Date:	08/08/2019
Due Date:	08/20/2019
Customer ID:	1150

Hydro Quebec Phase I
Billing Period - Aug. 2019-VETCO

	MMWEC Share	PART. %	Participant Share
Percent Participation			
Capability	23,826 KW	0.6617 %	158 KW
Total Capability	23,826 KW		158 KW
Generation (KWH)			
Generation - Sold			0 KWH
Generation - Purchased	0 KWH	0.6617 %	0 KWH
Total Net Generation	0 KWH		0 KWH
Capacity Charge			
Capacity Charge	$0.00	0.6617 %	$0.00
Total Capacity	$0.00		$0.00
Energy Charge			
Energy Charge	$0.00	0.6617 %	$0.00
Energy Charge - NEPOOL Charges			$0.00
Total Energy	$0.00		$0.00
Other Charges / Credits			$0.00
Transmission Costs	$3,749.22	0.6617 %	$24.81
Sub Total - Purchased Power	$3,749.22		$24.81
Administrative Expense	$0.00	0.6617 %	$0.00
Administrative Expense - Line of Credit	$0.00	0.6617 %	$0.00
Investment Earnings Credit			$0.00
Interest on Borrowings - Line of Credit			$0.00
Interest Expense			$0.00
Total Admin & Other Costs	$0.00		$0.00
Assessments			
Reserve Trust			$0.00
Working Capital			$0.00
Total MMWEC Share	$3,749.22		$0.00

If all or any part of this invoice remains unpaid after the due date, interest shall accrue to MMWEC equal to its cost of money or the rate applicable under the related contract.

Total Due: $24.81

Payment Instructions

PLEASE MAKE PAYMENT TO MMWEC VIA:

ACH: BANK OF AMERICA N.A.
SPRINGFIELD, MA ABA # 011-000-138

WIRE: BANK OF AMERICA N.A.
SPRINGFIELD, MA ABA # 0260-0959-3

FOR CREDIT TO: MMWEC TRUSTEE ZERO BALANCE ACCT. 75-169-307

PLEASE IDENTIFY THE INVOICE(S) AND/OR POWER PURCHASE AGREEMENTS BEING PAID.

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
Ludlow, Massachusetts 01056

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag RI 02859

Invoice Number:	69534 RI
Invoice Date:	08/01/2019
Due Date:	08/14/2019
Customer ID:	1150

Hydro Quebec II Equity
Billing Period - August 2019

	MMWEC Share	PART. %	Participant Share
Percent Participation			
Capability	8,400 KW	3.6300 %	305 KW
Total Capability	8,400 KW		305 KW
Generation (KWH)			
Generation - Sold			0 KWH
Generation - Purchased	0 KWH	3.6300 %	0 KWH
Total Net Generation	0 KWH		0 KWH
Capacity Charge			
Capacity Charge	$0.00	3.6300 %	$0.00
Total Capacity	$0.00		$0.00
Energy Charge			
Energy Charge	$0.00	3.6300 %	$0.00
Energy Charge - NEPOOL Charges			$0.00
Total Energy	$0.00		$0.00
Other Charges / Credits			$0.00
Transmission Costs	$26,697.01	3.6300 %	$969.10
Sub Total - Purchased Power	$26,697.01		$969.10
Administrative Expense	$793.16	3.6300 %	$28.79
Administrative Expense - Line of Credit	$0.00	3.6300 %	$0.00
Investment Earnings Credit			$0.00
Interest on Borrowings - Line of Credit			$0.00
Interest Expense			$0.00
Total Admin & Other Costs	$793.16		$28.79
Assessments			
Reserve Trust			$0.00
Working Capital			$0.00
Total MMWEC Share	$27,490.17		$0.00

If all or any part of this invoice remains unpaid after the due date, interest shall accrue to MMWEC equal to its cost of money or the rate applicable under the related contract.

Total Due: $997.89

Payment Instructions

PLEASE MAKE PAYMENT TO MMWEC VIA:

ACH: BANK OF AMERICA N.A.
SPRINGFIELD, MA ABA # 011-000-138

WIRE: BANK OF AMERICA N.A.
SPRINGFIELD, MA ABA # 0260-0959-3

FOR CREDIT TO: MMWEC TRUSTEE ZERO BALANCE ACCT. 75-169-307

PLEASE IDENTIFY THE INVOICE(S) AND/OR POWER PURCHASE AGREEMENTS BEING PAID.

Massachusetts Municipal Wholesale Electric Company
327 Moody Street
Ludlow, Massachusetts 01056

Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag RI 02859

Invoice Date	**8/19/2019**
Due Date	**9/20/2019**
Customer ID	**1150**

Billing Period September 2019 in accordance with annual budget data under Power Sales Agreement

MMWEC Share - 100%

Project	Capability(KW)	Prepaid Balance - Beginning of Period	Budget Billing Amount Current Period (Billed Last Month)	Budget Billing Amount - Next Month	Adjustment	Total Billing Amount
Project Six	75,020	($1,903,964.07)	$1,909,861.00	$1,900,590.00		$1,906,486.93

	Participant Share								**Credits or Other Charges**			
Invoice #	Project	Share	Capability (KW)	Prepaid Balance Beginning of Period	Budget Billing Amount Current Period (Billed Last Month)	Budget Billing Amount - Next Month	Adjustment	Subtotal Billing Amount	Surplus Funds	FCM and Demand Response	Other	Total Amount Due
70087	Project Six	1.7791%	1,334.68	($33,873.42)	$33,978.34	$33,813.40		$33,918.31				$33,918.31
	Total Projects			**($33,873.42)**	**$33,978.34**	**$33,813.40**		**$33,918.31**				**$33,918.31**

If all or any part of this invoice remains unpaid after the due date, interest shall accrue to MMWEC equal to its cost of money or the rate applicable under the related contract.

PLEASE MAKE PAYMENT TO MMWEC VIA:

ACH: BANK OF AMERICA N.A.
SPRINGFIELD, MA
ABA # 011-000-138

WIRE: BANK OF AMERICA N.A.
SPRINGFIELD, MA
ABA # 0260-0959-3

FOR CREDIT TO: MMWEC TRUSTEE ZERO BALANCE ACCT. 75-169-307
PLEASE IDENTIFY THE INVOICES(S) AND/OR POWER PURCHASE AGREEMENTS BEING PAID

NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

Invoice Date: September 16, 2019
Billing Period: August 2019

123 Main Street
White Plains, NY 10601

Invoice Number: 6100079621
Contract Account: 200000622
Business Partner: 3820

RHODE ISLAND PUBLIC UTILITIES COMMISSION

235 Pascoag Main Street
P.O.BOX 107
Pascoag, RI 02859

Attn: Harle Round
Manager, Finance & Customer Service

Account Summary

Previous Balance	$	11,559.50
Payment Received	$	11,559.50
Past Due Balance	$	0.00
Current Charges	$	10,356.73
Late Charges	$	0.00
Total Amount Due	**$**	**10,356.73**
Payment Due Date		**10/01/2019**

Billing Contact: Lorena Lowery
If you have any questions call: **914-287-4256**
or 1-800-269-6972, then 718-4256.
lorena.lowery@nypa.gov

Special Notes:

ISO & IOU Charges: July 2019 & November 2018 V3.

EMAIL TO: hround@pud-ri.org

Niagra

Remittance payable to the "**NEW YORK POWER AUTHORITY**". Please indicate your Contract Account number.

Wire and ACH funds to:
J.P. Morgan Chase Bank
ABA # 021000021
NEW YORK POWER REVENUE FUND
Account # 008-030383

Regular Mail:
New York Power Authority
Department 116048
PO Box 5211
Binghamton, NY 13902-5211

Overnight Mail:
J.P. Morgan
Attn: NY Power Authority Box 116048
33 Lewis Road
Binghamton, NY 13905

Please return this bottom portion with your payment and keep the top portion for your records.

Payment Summary

New York Power Authority
Department 116048
PO Box 5211
Binghamton, NY 13902-5211

RHODE ISLAND PUBLIC UTILITIES COMMISSION

235 Pascoag Main Street
P.O.BOX 107
Pascoag, RI 02859

Invoice Number:	6100079621
Contract Account:	200000622
Business Partner:	3820
Payment Due Date:	**10/01/2019**
Amount Due	**$ 10,356.73**

NEW YORK POWER AUTHORITY
Billing and Adjustment Statement

RHODE ISLAND PUBLIC UTILITIES COMMISSION

Contract Account:	200000622	Current Reading Date:	August 31, 2019
Invoice Number:	6100079621	Previous Reading Date:	July 31, 2019
Service Tariff:	NS-1, NS-2, NS-3	Hours in this period:	744
Allocation:	700		

Description	Quantity	Rate		Amount	
Demand (KW)					
Firm	600	$4.07000	$	2,442.00	
Firm Peaking	100	$4.07000	$	407.00	
Subtotal			$	**2,849.00**	GL555
Energy (KWH)					
Firm Hydro	271,750	$0.00492	$	1,337.01	
Interruptible	125,750	$0.00492	$	618.69	
Firm Peaking	9,000	$0.00492	$	44.28	
Subtotal	406,500		$	**1,999.98**	GL555
NY Independent System Operator					
Ancillary Service			$	241.83	
TUC Charge			$	5,264.86	
Subtotal			$	**5,506.69**	GL565
True-up Charges/Credits					
ISO True-up Vers. 2			$	1.06	
Subtotal			$	**1.06**	GL565
TOTAL CURRENT CHARGES			$	**10,356.73**	

V

NYPA ISO Billing Statement INVER01

For the Month Beginning July 01, 2019 and Ending July 31, 2019

User Reference	(NIA TO RI FIRM)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(248.00)	MWHr	($2,653.52)	$0.00	($2,653.52)	4
	Forward Loss Charge	0.00		($1,020.07)	$0.00	($1,020.07)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($3,673.59)	$0.00	($3,673.59)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($137.46)	$0.06	($137.40)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($137.46)	$0.06	($137.40)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($69.21)	$0.00	($69.21)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($80.93)	$0.00	($80.93)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	NIA TO RI FIRM Portion			.17262 %		"	27
	NYISO WIDE Uplift Charges			($18.33)	$85.05	$66.72	28
	Residual Adjustments			$43.67	$0.00	$43.67	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($3,935.85)	$85.10	($3,850.75)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($3,935.85)	$85.10	($3,850.75)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($3,936.86)	$85.10	($3,850.75)	35

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NYPA ISO Billing Statement INVER01

For the Month Beginning July 01, 2019 and Ending July 31, 2019

User Reference	(NIA TO RI INTER)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(79.00)	MWHr	($1,071.67)	$0.00	($1,071.67)	4
	Forward Loss Charge	0.00		($364.58)	$0.00	($364.58)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($1,436.25)	$0.00	($1,436.25)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($43.76)	$0.02	($43.75)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($43.76)	$0.02	($43.75)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($22.05)	$0.00	($22.05)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($25.67)	$0.00	($25.67)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	NIA TO RI INTER Portion			.05499 %		..	27
	NYISO WIDE Uplift Charges			($5.82)	$27.09	$21.27	28
	Residual Adjustments			$11.93	$0.00	$11.93	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($1,521.62)	$27.11	($1,494.51)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($1,521.62)	$27.11	($1,494.51)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($1,521.62)	$27.11	($1,494.51)	35

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NYPA ISO Billing Statement INVER01

For the Month Beginning July 01, 2019 and Ending July 31, 2019

User Reference	(NIA TO RI PEAK)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(9.00)	MWHr	($116.47)	$0.00	($116.47)	4
	Forward Loss Charge	0.00		($38.55)	$0.00	($38.55)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($155.02)	$0.00	($155.02)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service							
	Scheduling, System Control Dispatch Service			($5.00)	$0.00	($5.00)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($5.00)	$0.00	($5.00)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($2.51)	$0.00	($2.51)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($3.14)	$0.00	($3.14)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	NIA TO RI PEAK Portion			.00626 %		"	27
	NYISO WIDE Uplift Charges			($0.62)	$3.08	$2.46	28
	Residual Adjustments			$1.78	$0.00	$1.78	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($164.51)	$3.09	($161.42)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($164.51)	$3.09	($161.42)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($164.51)	$3.09	($161.42)	35

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NYPA ISO Billing Statement INVER03

For the Month Beginning November 01, 2018 and Ending November 30, 2018

User Reference	(NIA TO RI FIRM)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(279.00)	MWHr	($5,857.72)	$0.00	($5,857.72)	4
	Forward Loss Charge	0.00		($1,379.47)	$0.00	($1,379.47)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($7,237.19)	$0.00	($7,237.19)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($145.34)	($0.75)	($146.09)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($145.34)	($0.75)	($146.09)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($83.21)	$0.00	($83.21)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($140.39)	$0.00	($140.39)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	NIA TO RI FIRM Portion			.15652 %		..	27
	NYISO WIDE Uplift Charges			($11.27)	($8.60)	($19.87)	28
	Residual Adjustments			$124.86	$0.00	$124.86	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($7,492.53)	($9.35)	($7,501.89)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($7,492.53)	($9.35)	($7,501.89)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($7,492.53)	($9.35)	($7,501.89)	35

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NYPA ISO Billing Statement INVER03

For the Month Beginning November 01, 2018 and Ending November 30, 2018

User Reference	(NIA TO RI INTER)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(132.00)	MWHr	($3,000.41)	$0.00	($3,000.41)	4
	Forward Loss Charge	0.00		($734.25)	$0.00	($734.25)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($3,734.66)	$0.00	($3,734.66)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($68.76)	($0.36)	($69.12)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($68.76)	($0.36)	($69.12)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($39.37)	$0.00	($39.37)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($66.76)	$0.00	($66.76)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	NIA TO RI INTER Portion			.07405 %		"	27
	NYISO WIDE Uplift Charges			($5.38)	($4.07)	($9.45)	28
	Residual Adjustments			$59.27	$0.00	$59.27	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($3,855.66)	($4.43)	($3,860.09)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($3,855.66)	($4.43)	($3,860.09)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($3,855.66)	($4.43)	($3,860.09)	35

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NYPA ISO Billing Statement INVER03

For the Month Beginning November 01, 2018 and Ending November 30, 2018

User Reference	(NIA TO RI PEAK)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(9.00)	MWHr	($57.72)	$0.00	($57.72)	4
	Forward Loss Charge	0.00		($49.84)	$0.00	($49.84)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($107.56)	$0.00	($107.56)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($4.70)	($0.02)	($4.73)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($4.70)	($0.02)	($4.73)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($2.69)	$0.00	($2.69)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($4.81)	$0.00	($4.81)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	NIA TO RI PEAK Portion			.00505 %		"	27
	NYISO WIDE Uplift Charges			($0.32)	($0.28)	($0.60)	28
	Residual Adjustments			$4.34	$0.00	$4.34	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($115.74)	($0.30)	($116.05)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($115.74)	($0.30)	($116.05)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($115.74)	($0.30)	($116.05)	35

NEW YORK STATE OF OPPORTUNITY. | NY Power Authority

123 Main Street
White Plains, NY 10601

Invoice Date:	September 16, 2019
Billing Period:	August 2019
Invoice Number:	6100079622
Contract Account:	200000623
Business Partner:	3820

RHODE ISLAND PUBLIC UTILITIES COMMISSION

235 Pascoag Main Street
P.O.BOX 107
Pascoag, RI 02859

Attn: Harle Round
Manager, Finance & Customer Service

Account Summary

Previous Balance	$	13,469.16
Payment Received	$	13,469.16
Past Due Balance	$	0.00
Current Charges	$	12,468.31
Late Charges	$	0.00
Total Amount Due	**$**	**12,468.31**
Payment Due Date		**10/01/2019**

Billing Contact: Lorena Lowery
If you have any questions call: **914-287-4256**
or 1-800-269-6972, then 718-4256.
lorena.lowery@nypa.gov

Special Notes:

ISO & IOU Charges: July 2019 & November 2018 V3.

EMAIL TO: hround@pud-ri.org

ST Lawrence

Remittance payable to the "**NEW YORK POWER AUTHORITY**". Please indicate your Contract Account number.

Wire and ACH funds to:
J.P. Morgan Chase Bank
ABA # 021000021
NEW YORK POWER REVENUE FUND
Account # 008-030383

Regular Mail:
New York Power Authority
Department 116048
PO Box 5211
Binghamton, NY 13902-5211

Overnight Mail:
J.P. Morgan
Attn: NY Power Authority Box 116048
33 Lewis Road
Binghamton, NY 13905

Please return this bottom portion with your payment and keep the top portion for your records.

Payment Summary

New York Power Authority
Department 116048
PO Box 5211
Binghamton, NY 13902-5211

RHODE ISLAND PUBLIC UTILITIES COMMISSION

235 Pascoag Main Street
P.O.BOX 107
Pascoag, RI 02859

Invoice Number:	6100079622
Contract Account:	200000623
Business Partner:	3820
Payment Due Date:	**10/01/2019**
Amount Due	**$ 12,468.31**

NEW YORK POWER AUTHORITY
Billing and Adjustment Statement

RHODE ISLAND PUBLIC UTILITIES COMMISSION

Contract Account:	200000623	Current Reading Date:	August 31, 2019
Invoice Number:	6100079622	Previous Reading Date:	July 31, 2019
Service Tariff:	SL-1, SL-2	Hours in this period:	744
Allocation:	1,000		

Description	Quantity	Rate		Amount	
Demand (KW)					
Firm	1,000	$4.07000	$	4,070.00	
Subtotal			$	**4,070.00**	GL555
Energy (KWH)					
Firm Hydro	485,750	$0.00492	$	2,389.89	
Interruptible	173,750	$0.00492	$	854.85	
Subtotal	659,500		$	**3,244.74**	GL555
NY Independent System Operator					
Ancillary Service			$	383.26	
TUC Charge			$	4,768.10	
Subtotal			$	**5,151.36**	GL56
True-up Charges/Credits					
ISO True-up Vers. 2			$	2.21	
Subtotal			$	**2.21**	GL56
TOTAL CURRENT CHARGES			$	**12,468.31**	

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NYPA ISO Billing Statement INVER01

For the Month Beginning July 01, 2019 and Ending July 31, 2019

User Reference	(STL TO RI FIRM)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(479.00)	MWHr	($2,299.79)	$0.00	($2,299.79)	4
	Forward Loss Charge	0.00		($1,895.43)	$0.00	($1,895.43)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($4,195.22)	$0.00	($4,195.22)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service							
	Scheduling, System Control Dispatch Service			($265.43)	$0.11	($265.33)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($265.43)	$0.11	($265.33)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($133.68)	$0.00	($133.68)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($155.92)	$0.00	($155.92)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	STL TO RI FIRM Portion			.33341 %		..	27
	NYISO WIDE Uplift Charges			($35.47)	$164.26	$128.79	28
	Residual Adjustments			$84.08	$0.00	$84.08	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($4,701.64)	$164.37	($4,537.26)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($4,701.64)	$164.37	($4,537.26)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($4,701.64)	$164.37	($4,537.26)	35

v

NYPA ISO Billing Statement INVER01

For the Month Beginning July 01, 2019 and Ending July 31, 2019

User Reference	(STL TO RI INTER)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(58.00)	MWHr	($332.14)	$0.00	($332.14)	4
	Forward Loss Charge	0.00		($240.74)	$0.00	($240.74)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($572.88)	$0.00	($572.88)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service							
	Scheduling, System Control Dispatch Service			($32.14)	$0.01	($32.12)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($32.14)	$0.01	($32.12)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($16.18)	$0.00	($16.18)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($18.92)	$0.00	($18.92)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 60 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	STL TO RI INTER Portion			.04037 %		"	27
	NYISO WIDE Uplift Charges			($4.40)	$19.89	$15.49	28
	Residual Adjustments			$10.53	$0.00	$10.53	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($633.99)	$19.90	($614.08)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($633.99)	$19.90	($614.08)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($633.99)	$19.90	($614.08)	35

V

NYPA ISO Billing Statement INVER03

For the Month Beginning November 01, 2018 and Ending November 30, 2018

User Reference	(STL TO RI FIRM)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(497.00)	MWHr	($10,908.52)	$0.00	($10,908.52)	4
	Forward Loss Charge	0.00		($2,460.92)	$0.00	($2,460.92)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($13,369.44)	$0.00	($13,369.44)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($258.82)	($1.34)	($260.16)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($258.82)	($1.34)	($260.16)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($148.22)	$0.00	($148.22)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($250.03)	$0.00	($250.03)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	STL TO RI FIRM Portion			.27882 %		"	27
	NYISO WIDE Uplift Charges			($20.23)	($15.32)	($35.55)	28
	Residual Adjustments			$222.83	$0.00	$222.83	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($13,823.91)	($16.66)	($13,840.58)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($13,823.91)	($16.66)	($13,840.58)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($13,823.91)	($16.66)	($13,840.58)	35

V

NYPA ISO Billing Statement INVER03

For the Month Beginning November 01, 2018 and Ending November 30, 2018

User Reference	(STL TO RI INTER)			ISO	Adjustment	Adjusted Value	Line Item
Energy Settlement	Forward Energy	0.00	MWHr	$0.00	$0.00	$0.00	1
	Balancing Energy	0.00	MWHr	$0.00	$0.00	$0.00	2
	Total Energy Settlement			$0.00	$0.00	$0.00	3
Transmission Use Charge Settlement (TUC)	Forward Congestion Charge	(348.00)	MWHr	($7,866.49)	$0.00	($7,866.49)	4
	Forward Loss Charge	0.00		($1,822.88)	$0.00	($1,822.88)	5
	Balancing Congestion Charge	0.00	MWHr	$0.00	$0.00	$0.00	6
	Balancing Loss Charge	0.00		$0.00	$0.00	$0.00	7
	Total Transmission Use Settlement			($9,689.37)	$0.00	($9,689.37)	8
Transmission Service Charge (TSC) Customers External to NYCA	Total Transmission Service Charge Settlement			$0.00	$0.00	$0.00	9
NYPA Transmission Access Charge (NTAC)				$0.00	$0.00	$0.00	10
Ancillary Service	Scheduling, System Control Dispatch Service			($181.23)	($0.94)	($182.17)	11
	Local Reliability Rule S,SC and D Charge			$0.00	$0.00	$0.00	12
	Total S, SC and D Charge			($181.23)	($0.94)	($182.17)	13
	Market Administration and Control Area Service Charge			$0.00	$0.00	$0.00	14
	Voltage Support Service			($103.79)	$0.00	($103.79)	15
	Regulation and Frequency Response Service			$0.00	$0.00	$0.00	16
	Energy Imbalance Service Charge			$0.00	$0.00	$0.00	17
	Operating Reserve Service Charge			($175.22)	$0.00	($175.22)	18
Black Start Service@ SSS/Billing Unit B	Black StartService Charge			$0.00	$0.00	$0.00	19
	Local Reliability Rule Black StartService Charge			$0.00	$0.00	$0.00	20
	Total Black Start Service Charge			$0.00	$0.00	$0.00	21
Installed Capacity Deficiency Charge				$0.00	$0.00	$0.00	22
Miscellaneous Charges							
Rochester Station 80 Capacitor Banks	These are based on existing agreements between			$0.00	$0.00	$0.00	23
Ramapo Phase Angle Regulator	the NY Control Area and other control areas			$0.00	$0.00	$0.00	24
PJM Transmission Overuse				$0.00	$0.00	$0.00	25
Total Miscellaneous Charges				$0.00	$0.00	$0.00	26
	STL TO RI INTER Portion			.19523 %		"	27
	NYISO WIDE Uplift Charges			($14.19)	($10.73)	($24.91)	28
	Residual Adjustments			$156.40	$0.00	$156.40	29
	Demand Response Uplift			$0.00	$0.00	$0.00	30
Monthly Transmission Customer Payment/(Charge)				($10,007.39)	($11.67)	($10,019.06)	31
Adjustments				0	$0.00	$0.00	32
Net Transmission Customer Payment/(Charge)				($10,007.39)	($11.67)	($10,019.06)	33
TCC Credit				$0.00	$0.00	$0.00	34
Total				($10,007.39)	($11.67)	($10,019.06)	35

PASCOAG UTILITY DISTRICT
253 Pascoag Main Street
P.O. BOX 107
PASCOAG, RI 02859
ATTN: JUDY ALLAIRE

DATE 26-Sep-19

INVOICE # 800333959
NETWORK TRANSMISSION SERVICE
CLA010-25,16-19,053
August 2019

COINCIDENT NETWORK LOAD - PTF	11,119	KW
COINCIDENT NETWORK LOAD - NON-PTF	11,119	KW
LOAD RATIO SHARE - PTF	0.0017418	
LOAD RATIO SHARE - NON-PTF	0.0019350	
TOTAL MONTHLY TRANSMISSION SYSTEM EXPENSE - PTF	-$8,903,837.00	
TOTAL MONTHLY TRANSMISSION SYSTEM EXPENSE - NON-PTF	$12,307,658.05	

MONTHLY DEMAND CHARGE						
	PTF	-$8,903,837.00	X	0.0017418	=	-$15,508.99
	NON-PTF	$12,307,658.05	X	0.0019350	=	$23,815.82
TRANSFORMER SURCHARGE						
		12,843	X	0.35	=	$4,495.05
METER SURCHARGE						
		1.00	X	$64.55	=	$64.55
	ADJUSTMENT					-$59.95
	LOAD DISPATCH CHG					-$482.29
	INTEREST REFUND					$0.00
	LOAD RATIO REBILL ADJ.					-$0.20
		TOTAL TRANSMISSION CHARGE				$12,323.99
		Total Bill				$12,323.99

PEAK LOAD FOR BILLING MONTH: 8/19/2019 4:00:00 PM

PAYMENT SHOULD BE MADE AS FOLLOWS:

PAYMENT IS TO BE RECEIVED BY THE TWENTY - FIFTH DAY FROM THE ABOVE INVOICE DATE.

PAYMENT BY FED WIRE:
JP Morgan Chase
ABA # 021000021
ACCOUNT: 777149667
Credit: National Grid USA

PAYMENT BY CHECK:
New England Power Co.
Post Office - Brooklyn, P.O. Box 29603
New York, NY 10087-9603

QUESTIONS SHOULD BE ADDRESSED TO KEVIN REARDON (781) 907-2411, TRANSMISSION COMMERCIAL

nationalgrid

New Enland Power Company
Network Transmission Revenue Requirement
Actual for the Month of August 2019

Line	Description		Amount
	Monthly Demand Charge (PTF)		
1	PTF Transmission Rate		31,780,996
2	Less: NEPOOL RNS revenue received		(40,684,833)
3	**Monthly Demand Charge (PTF)**		**(8,903,837)**
	Monthly Non-PTF Demand Charge		
4	Return and Associated Income Taxes		14,377,210
5	Transmission Depreciation Expense		5,343,891
6	Transmission-Related Amortization of Loss on Reacquired Debt		-
7	Transmission-Related Amortization of Investment Tax Credits		(20,622)
8	Transmission-Related Amortization of FAS 109		-
9	Transmission-Related Municipal Tax Expense		4,247,073
10	Transmission Operation and Maintenance Expense		4,510,249
11	Transmission-Related Administration and General Expense		4,549,437
12	Transmission-Related Integrated Facilities Credit		13,883,182
13	Transmission Revenue Credit		(34,370,607)
14	Distribution-Related Integrated Facilities Credit		-
15	Billing Adjustments		-
16	Reactive Power Expense		-
17	Bad Debt Expense		(212,157)
18	**Monthly Non-PTF Demand Charge**		**$ 12,307,658**
	Detail - Return and Associated Income Taxes:		
19	Transmission Investment Base		1,667,412,074
20	Weighted cost of capital	(a)	10.3470%
21	Return and Associated Income Taxes - Annual		172,526,515
22	Return and Associated Income Taxes - Month		14,377,210

(a) The Weighted Cost of Capital is based on FERC Opinion No. 531-A issued on 10/16/2014

nationalgrid

INVOICE
National Grid
Non-Utility Billing
300 Erie Blvd. West
Syracuse NY 13202
(315) 428-3110

Page:	1
Invoice No:	800330236
Invoice Date:	09/01/2019
Customer Number:	200000175
Payment Terms:	Net 30
Due Date:	10/01/2019
Sales Order #:	5410 / 640011766
Reference #:	00010-009696

PASCOAG UTILITY DISTRICT
ATT:GENERAL MANAGER
PO Box 107
Pascoag RI 02859-0107

Line	Description	Quantity UOM	Unit Amt	Net Amount
DIRECT ASSIGNMENT FACILITIES CHARGES				
If you have any questions about this invoice, please contact ALEXEI SPINU at (781) 907-1424				
For Period : August 01, 2019 - August 31, 2019				
80	DAF	1.000 EA	5,665.00	$5,665.00
	Sub Total :			5,665.00
	Total Taxes :			0.00
	TOTAL AMOUNT DUE:			$5,665.00

Received: SEP 10 2019
Approved: HJ
GL Account: 565.0
Vendor #:
Invoice #:

PLEASE DETACH AND RETURN THIS STUB IN THE ENVELOPE PROVIDED

Make checks payable to National Grid

Mail Payment to:

National Grid
P.O.Box 29803
New York, NY 10087-9803

Invoice No:	800330236
Invoice Date:	09/01/2019
Customer Number:	200000175
Due Date:	10/01/2019

AMOUNT DUE: $5,665.00

Enclosed: _____

Energy New England LLC
5 Hampshire St, STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

Received: 9-16-19
Approved: [illegible]
GL Account: GL 555.0 - August
Vendor #:
Invoice #:

ENE
Energy New England

INVOICE

BILL TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

INVOICE	20565
DATE	08/31/2019
TERMS	Net 15
DUE DATE	09/15/2019

DESCRIPTION	AMOUNT
August 2019	
All Requirements Service, Short Term Supply Management & ISO Administration	7,350.00
Canton Mountain Wind Monthly REC Mgmt & Contract Admin Fee	71.00
Spruce Mountain Wind REC Management Fee	63.00
BALANCE DUE	**$7,484.00**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

5 Hampshire St, STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

Energy New England

(\$1609.73)
monthly \$131,763.48
Weekly
Transmission \$112,919.48

INVOICE

BILL TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

INVOICE	20477
DATE	09/16/2019
TERMS	Net 4
DUE DATE	09/18/2019

MWH	DESCRIPTION	AMOUNT
	August 2019	
-48.579	ISO Invoice # 326116 Activity 08/07 - 08/11 (Apply Credit Memo # 20478)	-2,528.83
-5.322	ISO Invoice # 326392 Activity 08/12 - 08/14 (Apply Credit Memo # 20478)	-102.44
-8.074	ISO Invoice # 326666 Activity 08/15 - 08/18	201.26
-7.287	ISO Invoice # 326925 Activity 08/19 - 08/21	310.65
-25.009	ISO Invoice # 327178 Activity 08/22 - 08/25 (Apply Credit Memo # 20548)	-749.78
4.114	ISO Invoice # 327465 Activity 08/26 - 08/28 (Apply Credit Memo # 20548)	235.97
-2.69	ISO Invoice # 327708 Activity 08/29 - 08/29 (Apply Credit Memo # 20588)	-5.02
-11.928	ISO Invoice # 327970 Activity 08/30 - 08/31 (Apply Credit Memo # 20588)	224.00
	ISO Invoice # 328582 August Monthly Charges	244,682.96
1.588	ISO Invoice # 327970 Activity 09/01 - 09/04 (Apply Credit Memo # 20588)	-367.99
14.632	ISO Invoice # 328246 Activity 09/05 - 09/08	501.22
11.081	ISO Invoice # 328582 Activity 09/09 - 09/10	671.23

-77,474

BALANCE DUE **\$243,073.23**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

Harle Round

From: Accounting <accounting@ene.org>
Sent: Monday, September 16, 2019 7:46 PM
To: Cathleen L. Gilmour; Harle Round; Michael Kirkwood
Subject: PUD Weekly ISO Invoice - MONTHLY
Attachments: PUD ISO Bill 09-16-19.xlsx; PUD ISO Bill 09-11-19.xlsx; PUD 20477 ISO August 09-16-19.pdf

Hello Mike and Harle,

ENE received PUD's bi-weekly ISO invoices as follows:

Issue Date	ISO's Invoice #	$ Amount	Due Date	Activity Period	MWH
09/11/19	328246	$501.22	09/13/19	09/05 - 09/08	14.632

Total Invoice: $501.22

09/16/19	328582	$244,682.96	09/18/19	Monthly Charges - August	
09/16/19	328582	$671.23	09/18/19	09/09 - 09/10	11.081

Total Invoice: $245,354.19

Attached is the ENE invoice for last month:

09/16/19	20477	$243,073.23	09/18/19

I've also attached the ISO Invoice in Excel format for a detailed breakdown.

Please let me know if you have any questions.

Thank you,

Sally LeBlanc
Financial Operations Manager

ENE
Energy New England

5 Hampshire ST, Suite 100
Mansfield, MA 02048-1113
Phone: (508) 698-1209
Fax: (508) 698-0028
Email: accounting@ene.org

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	328582
Document Date	9/16/2019
Due Date	9/18/2019
Payer	Pascoag Utility District
Payer Billing	Sovereign Bank-011075150-*******2236
Payee	ISO New England
Payee Bank	TD BANK N.A.-021302567-******9787
Total Net Amount	-$245,354.19

Energy Activity Start Date: 9/9/2019
Energy Activity End Date: 9/10/2019

Customer Id 116

Net Amount Row Labels	Column Labels 9/30/2019	8/31/2019	7/31/2019
DA / RT Energy	**($122.55)**		**$119.78**
Day-Ahead Energy	($85.32)		$0.00
Real-Time Energy	($37.23)		$119.78
Ancillary Charges	**($548.68)**		**$3.20**
Day-Ahead NCPC	($52.35)		$0.00
Real-Time NCPC	($24.83)		($0.50)
Regulation	($107.61)		$1.03
Reserve Market	($363.89)		$2.67
ARR Revenues		**$1,170.27**	**($2.39)**
ARR Long Term Off-Peak Alloc		$313.01	($0.64)
ARR Long Term On-Peak Alloc		$435.00	($0.88)
ARR Monthly Off-Peak Alloc		$172.66	($0.42)
ARR Monthly On-Peak Alloc		$249.60	($0.45)
FCM		**($123,983.37)**	**($0.02)**
Forfeited Financial Assurance		$15.81	$0.00
Forward Capacity Market Charge		($123,999.18)	($0.02)
OATT Charges			**($112,919.48)**
ISO Schedule 1 RNS			($1,996.24)
ISO Schedule 1 TOUT			$27.96
OATT Schedule 1 RNS			($1,533.52)
OATT Schedule 9 RNS			($107,731.65)
OATT-Schedule 16 Blackstart			($924.57)
OATT-Schedule 2 VAR			($761.46)
Schedule Charges		**($1,163.62)**	**($7,907.33)**
ISO Schedule 2			($5,092.11)
ISO Schedule 3 Peak			($2,733.11)
ISO Schedule 5 NESCOE			($82.11)
Participant Expenses		($1,163.62)	
Grand Total	**($671.23)**	**($123,976.72)**	**($120,706.24)**

MW 11.081

($244,682.96)

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	328246
Document Date	9/11/2019
Due Date	9/13/2019
Payer	Pascoag Utility District
Payer Billing	Sovereign Bank-011075150-*******2236
Payee	ISO New England
Payee Bank	TD BANK N.A.-021302567-*******9787
Total Net Amount	-$501.22

Energy Activity Start Date: 9/5/2019
Energy Activity End Date: 9/8/2019

Customer Id	116

Net Amount Row Labels	Column Labels 9/30/2019
DA / RT Energy	**($222.78)**
Day-Ahead Energy	($98.61)
Real-Time Energy	($124.17)
Ancillary Charges	**($278.44)**
Day-Ahead NCPC	($6.66)
Real-Time NCPC	($9.10)
Regulation	($34.66)
Reserve Market	($228.02)
Grand Total	**($501.22)**

MW 14.632

Harle Round

From: Accounting <accounting@ene.org>
Sent: Monday, August 19, 2019 1:02 PM
To: Cathleen L. Gilmour; Harle Round; Michael Kirkwood
Subject: PUD Weekly ISO Invoice (Credit)
Attachments: PUD ISO Bill 08-19-19.xlsx; PUD ISO Bill 08-14-19.xlsx; PUD 20478 ISO CM 08-19-19.pdf

Hello Mike and Harle,

ENE received PUD's bi-weekly ISO invoices as follows:

Issue Date	ISO's Invoice #	$ Amount	Due Date	Activity Period	MWH
08/14/19	326116	($2,528.83)	08/20/19	08/07 - 08/11	(48.579)
	Total Invoice:	**($2,528.83)**			

08/19/19	326392	($102.44)	08/23/19	08/12 - 08/14	(5.322)
	Total Invoice:	**($102.44)**			

Attached is the ENE credit memo for these ISO invoices:

Credit Memo #	20478	**($2,631.27)**

Please let me know if you have any questions.

Thank you,

Sally LeBlanc
Senior Accountant

ENE
Energy New England

5 Hampshire ST, Suite 100
Mansfield, MA 02048-1113
Phone: (508) 698-1209
Fax: (508) 698-0028
Email: accounting@ene.org

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

5 Hampshire St, STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

Credit Memo

CREDIT TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

SHIP DATE

CREDIT 20478
DATE 08/19/2019

DESCRIPTION	QTY	AMOUNT
Augsut 2019		
ISO Invoice # 326116 Activity 08/07 - 08/11	-48.579	2,528.83
ISO Invoice # 326392 Activity 08/12 - 08/14	-5.322	102.44
NOTE: megawatts are POSITIVE here when they are negative on ISO Invoice		

BALANCE DUE **$2,631.27**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	326392
Document Date	8/19/2019
Due Date	8/23/2019
Payer	ISO New England
Payer Billing	TD BANK N.A.-021302567-******9787
Payee	PASCOAG UTILITY DISTRICT
Payee Bank	Sovereign Bank-011075150-*******2236
Total Net Amount	$102.44

Energy Activity Start Date: 8/12/2019
Energy Activity End Date: 8/14/2019

Customer Id 116

Net Amount Row Labels	Column Labels 8/31/2019
DA / RT Energy	**$633.64**
Day-Ahead Energy	$1,484.59
Real-Time Energy	($850.95)
Ancillary Charges	**($531.20)**
Day-Ahead NCPC	($10.60)
Real-Time NCPC	($37.84)
Regulation	($118.51)
Reserve Market	($364.25)
Grand Total	**$102.44**

MW (5.322)

$0.00

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	326116
Document Date	8/14/2019
Due Date	8/20/2019
Payer	ISO New England
Payer Billing	TD BANK N A.-021302567-*******9787
Payee	PASCOAG UTILITY DISTRICT
Payee Bank	Sovereign Bank-011075150-*******2236
Total Net Amount	$2,528.83

Energy Activity Start Date: 8/7/2019
Energy Activity End Date: 8/11/2019

Customer Id	116

Net Amount Row Labels	Column Labels 8/31/2019
DA / RT Energy	**$2,787.02**
Day-Ahead Energy	$4,935.14
Real-Time Energy	($2,148.12)
Ancillary Charges	**($258.19)**
Day-Ahead NCPC	($8.68)
Real-Time NCPC	($12.10)
Regulation	($43.15)
Reserve Market	($194.26)
Grand Total	**$2,528.83**

MW	(48.579)	
		$0.00

Harle Round

From: Accounting <accounting@ene.org>
Sent: Monday, September 9, 2019 3:15 PM
To: Cathleen L. Gilmour; Harle Round; Michael Kirkwood
Subject: PUD Weekly ISO Invoice (Credit)
Attachments: PUD ISO Bill 09-09-19.xlsx; PUD ISO Bill 09-04-19.xlsx; PUD 20588 ISO CM 09-09-19.pdf

Hello Mike and Harle,

ENE received PUD's bi-weekly ISO invoices as follows:

Issue Date	ISO's Invoice #	$ Amount	Due Date	Activity Period	MWH
09/04/19	327708	($5.02)	09/10/19	08/29	(2.690)
	Total Invoice:	**($5.02)**			

09/09/19	327970	$224.00	09/13/19	08/30 - 08/31	(11.928)
09/09/19	327970	($367.99)	09/13/19	09/01 - 09/04	1.588
	Total Invoice:	**($143.99)**			

Attached is the ENE credit memo for these ISO invoices:

Credit Memo #	20588	**($149.01)**

Please let me know if you have any questions.

Thank you,

Sally LeBlanc
Financial Operations Manager

ENE
Energy New England

5 Hampshire ST, Suite 100
Mansfield, MA 02048-1113
Phone: (508) 698-1209
Fax: (508) 698-0028
Email: accounting@ene.org

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5 Hampshire St, STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

Credit Memo

CREDIT TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

SHIP DATE 01/16/2019

CREDIT 20588
DATE 09/09/2019

DESCRIPTION	QTY	AMOUNT
August 2019		
ISO Invoice # 327708 Activity 8/29	-2.69	5.02
ISO Invoice # 327970 Activity 8/30 - 8/31	-11.928	-224.00
ISO Invoice # 327970 Activity 9/01 - 9/04	1.588	367.99

BALANCE DUE **$149.01**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	327970
Document Date	9/9/2019
Due Date	9/13/2019
Payer	ISO New England
Payer Billing	TD BANK N.A.-021302567-******9787
Payee	PASCOAG UTILITY DISTRICT
Payee Bank	Sovereign Bank-011075150-*******2236
Total Net Amount	$143.99

Energy Activity Start Date:	9/1/2019	8/30/2019
Energy Activity End Date:	9/4/2019	8/31/2019

Customer Id	116

Net Amount Row Labels	Column Labels 9/30/2019	8/31/2019
DA / RT Energy	**$409.10**	**$262.02**
Day-Ahead Energy	$120.00	$456.02
Real-Time Energy	$289.10	($194.00)
Ancillary Charges	**($41.11)**	**($486.02)**
Day-Ahead NCPC	($5.33)	($37.60)
Real-Time NCPC	($2.24)	($21.23)
Regulation	($32.04)	($93.76)
Reserve Market	($1.50)	($333.43)
Grand Total	**$367.99**	**($224.00)**

MW	1.588	(11.928)

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	327708
Document Date	9/4/2019
Due Date	9/10/2019
Payer	ISO New England
Payer Billing	TD BANK N.A.-021302567-******9787
Payee	PASCOAG UTILITY DISTRICT
Payee Bank	Sovereign Bank-011075150-*******2236
Total Net Amount	$5.02

Energy Activity Start Date: 8/29/2019
Energy Activity End Date: 8/29/2019

Customer Id	116

Net Amount Row Labels	Column Labels 8/31/2019
DA / RT Energy	**$126.94**
Day-Ahead Energy	$112.88
Real-Time Energy	$14.06
Ancillary Charges	**($121.92)**
Day-Ahead NCPC	($1.50)
Real-Time NCPC	($1.98)
Regulation	($19.22)
Reserve Market	($99.22)
Grand Total	**$5.02**

MW	(2.690)

Harle Round

From: Accounting <accounting@ene.org>
Sent: Tuesday, September 3, 2019 12:41 PM
To: Cathleen L. Gilmour; Harle Round; Michael Kirkwood
Subject: PUD Weekly ISO Invoice (Credit)
Attachments: PUD ISO Bill 09-03-19.xlsx; PUD ISO Bill 08-28-19.xlsx; PUD 20548 ISO CM 09-03-19.pdf

Hello Mike and Harle,

ENE received PUD's bi-weekly ISO invoices as follows:

Issue Date	ISO's Invoice #	$ Amount	Due Date	Activity Period	MWH
08/28/19	327178	($749.78)	09/04/19	08/22 - 08/25	(25.009)
	Total Invoice:	**($749.78)**			

09/03/19	327465	$235.97	09/05/19	08/26 - 08/28	4.114
	Total Invoice:	**$235.97**			

Attached is the ENE credit memo for these ISO invoices:

Credit Memo #	20548	**($513.81)**

Please let me know if you have any questions.

Thank you,

Sally LeBlanc
Financial Operations Manager

ENE
Energy New England

5 Hampshire ST, Suite 100
Mansfield, MA 02048-1113
Phone: (508) 698-1209
Fax: (508) 698-0028
Email: accounting@ene.org

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5 Hampshire St. STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

Credit Memo

CREDIT TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

SHIP DATE 01/16/2019

CREDIT 20548
DATE 09/03/2019

DESCRIPTION	QTY	AMOUNT
August 2019		
ISO Invoice # 327178 Activity 8/22 - 8/25	-25.009	749.78
ISO Invoice # 327465 Activity 8/26 - 8/28	4.114	-235.97
	BALANCE DUE	**$513.81**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	327465
Document Date	9/3/2019
Due Date	9/5/2019
Payer	Pascoag Utility District
Payer Billing	Sovereign Bank-011075150-*******2236
Payee	ISO New England
Payee Bank	TD BANK N.A.-021302567-******9787
Total Net Amount	-$235.97

Energy Activity Start Date: 8/26/2019
Energy Activity End Date: 8/28/2019

Customer Id	116

Net Amount Row Labels	Column Labels 8/31/2019
DA / RT Energy	**$208.85**
Day-Ahead Energy	$212.85
Real-Time Energy	($4.00)
Ancillary Charges	**($444.82)**
Day-Ahead NCPC	($21.14)
Real-Time NCPC	($17.41)
Regulation	($95.71)
Reserve Market	($310.56)
Grand Total	**($235.97)**

MW 4.114

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	327178
Document Date	8/28/2019
Due Date	9/4/2019
Payer	ISO New England
Payer Billing	TD BANK N.A.-021302567-*******9787
Payee	PASCOAG UTILITY DISTRICT
Payee Bank	Sovereign Bank-011075150-********2236
Total Net Amount	$749.78

Energy Activity Start Date: 8/22/2019
Energy Activity End Date: 8/25/2019

Customer Id	116

Net Amount	**Column Labels**
Row Labels	**8/31/2019**
DA / RT Energy	**$997.89**
Day-Ahead Energy	$669.37
Real-Time Energy	$328.52
Ancillary Charges	**($248.11)**
Day-Ahead NCPC	($3.36)
Real-Time NCPC	($7.19)
Regulation	($37.95)
Reserve Market	($199.61)
Grand Total	**$749.78**

MW	(25.009)

Harle Round

From: Accounting <accounting@ene.org>
Sent: Monday, August 26, 2019 12:25 PM
To: Cathleen L. Gilmour; Harle Round; Michael Kirkwood
Subject: PUD Weekly ISO Invoice
Attachments: PUD ISO Bill 08-26-19.xlsx; PUD ISO Bill 08-21-19.xlsx

Hello Mike and Harle,

ENE received PUD's bi-weekly ISO invoices as follows:

Issue Date	ISO's Invoice #	$ Amount	Due Date	Activity Period	MWH
08/21/19	326666	$201.26	08/23/19	08/15 - 08/18	(8.074)
	Total Invoice:	**$201.26**			

08/26/19	326925	$310.65	08/28/19	08/19 - 08/21	(7.287)
	Total Invoice:	**$310.65**			

These ISO invoices will fall on the monthly invoice from ENE.

Please let me know if you have any questions.

Thank you,

Sally LeBlanc
Financial Operations Manager

ENE
Energy New England

5 Hampshire ST, Suite 100
Mansfield, MA 02048-1113
Phone: (508) 698-1209
Fax: (508) 698-0028
Email: accounting@ene.org

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BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	326925
Document Date	8/26/2019
Due Date	8/28/2019
Payer	Pascoag Utility District
Payer Billing	Sovereign Bank-011075150-*******2236
Payee	ISO New England
Payee Bank	TD BANK N.A.-021302567-*******9787
Total Net Amount	-$310.65

Energy Activity Start Date: 8/19/2019
Energy Activity End Date: 8/21/2019

Customer Id	116

Net Amount Row Labels	Column Labels 8/31/2019
DA / RT Energy	**$550.70**
Day-Ahead Energy	$344.92
Real-Time Energy	$205.78
Ancillary Charges	**($861.35)**
Day-Ahead NCPC	($22.61)
Real-Time NCPC	($117.85)
Regulation	($286.00)
Reserve Market	($434.89)
Grand Total	**($310.65)**

MW	(7.287)

BL_INVOICE	
Invoice / Remittance Advice	
Pascoag	
Customer ID	116
Invoice Number	326666
Document Date	8/21/2019
Due Date	8/23/2019
Payer	Pascoag Utility District
Payer Billing	Sovereign Bank-011075150-*******2236
Payee	ISO New England
Payee Bank	TD BANK N.A.-021302567-*******9787
Total Net Amount	-$201.26

Energy Activity Start Date: 8/15/2019
Energy Activity End Date: 8/18/2019

Customer Id	116

Net Amount Row Labels	Column Labels 8/31/2019
DA / RT Energy	**$224.88**
Day-Ahead Energy	$3,472.76
Real-Time Energy	($3,247.88)
Ancillary Charges	**($426.14)**
Day-Ahead NCPC	($3.40)
Real-Time NCPC	($53.19)
Regulation	($69.94)
Reserve Market	($299.61)
Grand Total	**($201.26)**

MW	(8.074)

5 Hampshire St, STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

E = $154,582.64
T = ($1696.09)

INVOICE

BILL TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

INVOICE	20522
DATE	09/16/2019
DUE DATE	09/19/2019

MWH	DESCRIPTION	AMOUNT
	August 2019	
	- Energy Transactions -	
53.282	Brown Bear II Hydro Purchase	2,714.17
57.148	Canton Mountain Wind Purchase	5,800.54
744	NextEra Energy Mktg Purchase	28,867.20
2,431.934	PSEG Energy Resources Purchase	111,260.98
	PSEG Energy Resources Financial Settlement	-6.36
88.019	Spruce Mountain Wind Purchase	8,735.93
496	NextEra Energy Mktg Option Purchase	19,413.19
	NextEra Energy Mktg Option Monthly Fixed Costs	7,080.00
3870.383		Subtotal: 183,865.65
	- Capacity Transactions -	
	NextEra Energy Mktg UCAP Purchase	2,510.00
	NextEra Energy Mktg UCAP Sale	-7,030.00
	Jul 19 Hydro Quebec ICC Payment	-1,563.71
	Jul 19 Canton Mountain Wind FCM Credit	-208.72
	Jul 19 Spruce Mountain Wind FCM Credit	-434.89
		Subtotal: -6,727.32

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

- Transmission Transactions -

Jul 19 Hydro Quebec Use Right Payment	-1,696.09

- Renewable Energy Certificates -

Sale of Brown Bear Q1-2019 Class II RECS (454 @ $0.70 each)	-317.80
Sale of Brown Bear Hydro Q1-2019 Class I RECS (27 @ $23.66 each)	-638.75
Sale of Canton Mtn Wind Q1-2019 Class I RECS (422 @ $23.66 each)	-9,983.39
Sale of Spruce Mtn Wind Q1-2019 Class I RECS (491 @ $23.66 each)	-11,615.75
	Subtotal: -24,251.78

BALANCE DUE **$152,886.55**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

Jul-19

Use Right Payment

	MW		29
	Calendar Price		9.1
	Total HQUS Revenue $$	$	186,871.00
	HQUS Payment Date		8/22/2019
	HQUS Payment $$	$	186,871.00
95%	Total Participant Rev $$	$	177,527.45
5%	Net ENE Fee	$	9,343.55

Participant	Pro - Rated Firm MW		Revenue
Pascoag Fire District - Electric Dept.	0.277064372	$	1,696.09

Jul-19

HQICC Payment

MW		23.077
NRCP	$	7.089528471
Total HQICC Revenue $$	$	163,605.00
HQUS Payment Date		9/5/2019
HQUS Payment $$	$	163,605.00

Participant	MW	Revenue
Pascoag Fire District - Electric Dept.	0.221	$ 1,563.71

Phase I

Total MW	Participant %	Participant MW
381.60	0.02285%	0.087

Phase II

Total MW	Participant %	Participant MW
572.40	0.02330%	0.133

Totals HQICC MW

954.00	0.221

Energy New England LLC
5 Hampshire St, STE 100
Mansfield, MA 02048
508 698-1200
accounting@ene.org
www.ene.org

ENE
Energy New England

INVOICE

BILL TO
Pascoag Utility District
Attn: Michael Kirkwood
P.O. Box 107
253 Main Street
Pascoag, RI 02859

INVOICE	20753
DATE	09/24/2019
TERMS	Net 15
DUE DATE	10/09/2019

17,870 KWH

DESCRIPTION	AMOUNT
Reimbursement for Constant Energy Capital Inv# PASC-22: Transmission 07/2019	9,125.43
Reimbursement for Constant Energy Capital Inv# PASC-22: Capacity 08/2019	10,891.59
Reimbursement for Constant Energy Capital Inv# PASC-22: Energy 08/2019	559.16
BALANCE DUE	**$20,576.18**

IF PAYING BY WIRE, PLEASE REMIT TO:
Santander Bank
ABA #: 011075150
ACCT #: 75860032236

CONSTANT ENERGY CAPITAL

Constant Energy Capital
c/o RESIDCO
70 W. Madison, Suite 2200
Chicago, IL 60602-4275
Tel: 207-494-5009
Email: billing@constantenergycap.com
** NEW REMIT TO ADDRESS **

Pascoag Utility District
Attn: Mr. Michael Kirkwood
PO Box 107
Pascoag, RI 02859

Date: 20-Sep-19
Invoice #: PASC-22
Payment Terms: Net 30 Days

17,870 Kwh

Pascoag Powerhouse LLC - Invoice Detail

Transmission Charge Savings Service Fee

National Grid Transmission Peak Day and Hour	*Period Billed*	*(a) RNS Rate ($/kW-month)*	*(b) Generator Output (kW)*	*(c) (a) x (b)*	*(d) Split*	*(e) (c) x (d)*
7/30/2019 HE 18	July 2019	9.46101	1071.70	$ 10,139.37	90%	$ 9,125.43

Capacity Charge Savings Service Fee

ISO NE ICAP Peak Day and Hour	*Period Billed*	*(a) Capacity Rate ($/kW-month)*	*(b) Generator Output (kW)* [1]	*(c) (a) x (b)*	*(d) Split*	*(e) (c) x (d)*
8/29/2018 HE 17	August 2019	7.97977	1516.56	$ 12,101.77	90%	$ 10,891.59

Energy Charge Service Fee [2]	Billing Period:	8/1/2019 to 8/31/2019	$ 559.16
Energy Service Fee Rebate			$ -
ISO-NE Program Service Fee Rebate			$ -
Total Amount Due			$ 20,576.18

[1] *A Capacity Reserve adder of 42.52% has been applied to the Generator Output*
[2] *See attached Energy Charge Detail for hourly LMP against hourly Generator Output*

Preferred Payment Method
ACH and Wiring Instructions:
MB Financial
ABA Number: 071001737
Account Name: RESIDCO
Account Number: 1530002674
Reference: Invoice#

Alternate Payment Method **** NEW REMIT TO ADDRESS ****
Send invoice inquiries and check payments to:
Constant Energy Capital
c/o RESIDCO
70 W. Madison, Suite 2200
Chicago, IL 60602-4275
Tel: 207-494-5009
Email: billing@constantenergycap.com

Harle Round

From: Tammi Poore <tpoore@tangentenergy.com>
Sent: Tuesday, September 24, 2019 8:19 AM
To: Harle Round; Michael Kirkwood
Cc: Paul Jameson; Steven D'Angelo; billing@constantenergycap.com; Dave Turner; Christina Beaudry; Sally LeBlanc
Subject: Invoice for August 2019
Attachments: Pascoag Powerhouse LLC Invoice - 2019 August.pdf; Pascoag Powerhouse LLC Energy - 2019 August.xlsx

Attached is the August invoice which includes the energy for August and the transmission for July.

If you have any questions, please let us know.

Tammi

Tammi Poore
Operations Manager
204 Gale Lane
PO Box 1140
Kennett Square, PA 19348
610-444-2800 ext. 201

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Energy Charge Detail: August 1, 2019 thru August 31, 2019

Timestamp	Hourly LMP ($/MWh)	Generator Output (kWh)	Energy Charge ($)
8/1/2019 1:00	18.61	0	$ -
8/1/2019 2:00	18.7	0	$ -
8/1/2019 3:00	17.82	0	$ -
8/1/2019 4:00	16.68	0	$ -
8/1/2019 5:00	15.52	0	$ -
8/1/2019 6:00	17.11	0	$ -
8/1/2019 7:00	16.02	0	$ -
8/1/2019 8:00	18.82	0	$ -
8/1/2019 9:00	19.43	0	$ -
8/1/2019 10:00	19.07	0	$ -
8/1/2019 11:00	20.8	0	$ -
8/1/2019 12:00	22.93	0	$ -
8/1/2019 13:00	23.5	0	$ -
8/1/2019 14:00	25.75	0	$ -
8/1/2019 15:00	25.54	0	$ -
8/1/2019 16:00	29.12	0	$ -
8/1/2019 17:00	30.2	0	$ -
8/1/2019 18:00	48.18	0	$ -
8/1/2019 19:00	34.49	0	$ -
8/1/2019 20:00	31.34	0	$ -
8/1/2019 21:00	28.8	0	$ -
8/1/2019 22:00	25.05	0	$ -
8/1/2019 23:00	21.72	0	$ -
8/2/2019 0:00	18.83	0	$ -
8/2/2019 1:00	18.26	0	$ -
8/2/2019 2:00	17.38	0	$ -
8/2/2019 3:00	16.68	0	$ -
8/2/2019 4:00	15.92	0	$ -
8/2/2019 5:00	15.77	0	$ -
8/2/2019 6:00	16.93	0	$ -
8/2/2019 7:00	17.49	0	$ -
8/2/2019 8:00	23.66	0	$ -
8/2/2019 9:00	20.98	0	$ -
8/2/2019 10:00	20.22	0	$ -
8/2/2019 11:00	20.47	0	$ -
8/2/2019 12:00	23.57	0	$ -
8/2/2019 13:00	24.5	0	$ -
8/2/2019 14:00	24.64	0	$ -
8/2/2019 15:00	25	0	$ -
8/2/2019 16:00	28.01	0	$ -
8/2/2019 17:00	40.87	0	$ -
8/2/2019 18:00	69.87	0	$ -
8/2/2019 19:00	38.91	0	$ -
8/2/2019 20:00	35.19	0	$ -
8/2/2019 21:00	27.06	0	$ -
8/2/2019 22:00	31.17	0	$ -
8/2/2019 23:00	30.59	0	$ -
8/3/2019 0:00	26.36	0	$ -
8/3/2019 1:00	18.41	0	$ -
8/3/2019 2:00	19.22	0	$ -
8/3/2019 3:00	19.03	0	$ -
8/3/2019 4:00	18.35	0	$ -
8/3/2019 5:00	19.09	0	$ -
8/3/2019 6:00	19.76	0	$ -
8/3/2019 7:00	21	0	$ -
8/3/2019 8:00	27.54	0	$ -
8/3/2019 9:00	37.56	0	$ -
8/3/2019 10:00	32.35	0	$ -
8/3/2019 11:00	27.13	0	$ -
8/3/2019 12:00	20.78	0	$ -
8/3/2019 13:00	20.93	0	$ -
8/3/2019 14:00	32.94	0	$ -
8/3/2019 15:00	46.59	0	$ -
8/3/2019 16:00	32.08	0	$ -
8/3/2019 17:00	46.74	0	$ -
8/3/2019 18:00	42.79	0	$ -
8/3/2019 19:00	35.7	0	$ -
8/3/2019 20:00	34.53	0	$ -
8/3/2019 21:00	41.09	0	$ -
8/3/2019 22:00	42.63	0	$ -
8/3/2019 23:00	35.11	0	$ -
8/4/2019 0:00	26.52	0	$ -
8/4/2019 1:00	23.41	0	$ -
8/4/2019 2:00	21.81	0	$ -
8/4/2019 3:00	23.1	0	$ -
8/4/2019 4:00	21.02	0	$ -
8/4/2019 5:00	20.35	0	$ -
8/4/2019 6:00	20.11	0	$ -
8/4/2019 7:00	19.6	0	$ -
8/4/2019 8:00	19.69	0	$ -
8/4/2019 9:00	18.56	0	$ -
8/4/2019 10:00	20.83	0	$ -
8/4/2019 11:00	19.57	0	$ -
8/4/2019 12:00	32.41	0	$ -
8/4/2019 13:00	35.0	0	$ -
8/4/2019 14:00	31.45	0	$ -
8/4/2019 15:00	30.77	0	$ -
8/4/2019 16:00	34.89	0	$ -
8/4/2019 17:00	38.61	0	$ -

Energy Charge Total	$	359.16
Total KWH Output		17870

8/4/2019 18:00	61.46	0	$	-
8/4/2019 19:00	53.55	0	$	-
8/4/2019 20:00	44.47	0	$	-
8/4/2019 21:00	47.64	0	$	-
8/4/2019 22:00	34.03	0	$	-
8/4/2019 23:00	35.42	0	$	-
8/5/2019 0:00	29.16	0	$	-
8/5/2019 1:00	22.37	0	$	-
8/5/2019 2:00	19.96	0	$	-
8/5/2019 3:00	17.17	0	$	-
8/5/2019 4:00	14.74	0	$	-
8/5/2019 5:00	15.34	0	$	-
8/5/2019 6:00	18.05	0	$	-
8/5/2019 7:00	17.54	0	$	-
8/5/2019 8:00	17.61	0	$	-
8/5/2019 9:00	16.76	0	$	-
8/5/2019 10:00	16.31	0	$	-
8/5/2019 11:00	17.98	0	$	-
8/5/2019 12:00	19.25	0	$	-
8/5/2019 13:00	19.09	0	$	-
8/5/2019 14:00	24.2	0	$	-
8/5/2019 15:00	34.04	0	$	-
8/5/2019 16:00	35.94	0	$	-
8/5/2019 17:00	43.03	0	$	-
8/5/2019 18:00	41.56	0	$	-
8/5/2019 19:00	39.46	0	$	-
8/5/2019 20:00	32.78	0	$	-
8/5/2019 21:00	33.93	0	$	-
8/5/2019 22:00	25.9	0	$	-
8/5/2019 23:00	18.43	0	$	-
8/6/2019 0:00	15.51	0	$	-
8/6/2019 1:00	15.34	0	$	-
8/6/2019 2:00	14.29	0	$	-
8/6/2019 3:00	14.89	0	$	-
8/6/2019 4:00	13.89	0	$	-
8/6/2019 5:00	13.84	0	$	-
8/6/2019 6:00	13.99	0	$	-
8/6/2019 7:00	17.29	0	$	-
8/6/2019 8:00	18.63	0	$	-
8/6/2019 9:00	18.72	0	$	-
8/6/2019 10:00	22.42	0	$	-
8/6/2019 11:00	23.07	0	$	-
8/6/2019 12:00	25.51	0	$	-
8/6/2019 13:00	27.63	0	$	-
8/6/2019 14:00	25.98	0	$	-
8/6/2019 15:00	21.67	0	$	-
8/6/2019 16:00	19.14	0	$	-
8/6/2019 17:00	20.37	0	$	-
8/6/2019 18:00	19.14	0	$	-
8/6/2019 19:00	17.55	0	$	-
8/6/2019 20:00	20.21	0	$	-
8/6/2019 21:00	21.62	0	$	-
8/6/2019 22:00	20.49	0	$	-
8/6/2019 23:00	16.98	0	$	-
8/7/2019 0:00	15.54	0	$	-
8/7/2019 1:00	15.32	0	$	-
8/7/2019 2:00	15.74	0	$	-
8/7/2019 3:00	16.02	0	$	-
8/7/2019 4:00	15.54	0	$	-
8/7/2019 5:00	15.29	0	$	-
8/7/2019 6:00	16.23	0	$	-
8/7/2019 7:00	16.31	0	$	-
8/7/2019 8:00	16.05	0	$	-
8/7/2019 9:00	18.51	0	$	-
8/7/2019 10:00	20.51	0	$	-
8/7/2019 11:00	22.98	0	$	-
8/7/2019 12:00	24.59	0	$	-
8/7/2019 13:00	24.36	0	$	-
8/7/2019 14:00	28.58	0	$	-
8/7/2019 15:00	25.27	157.8	$	3.99
8/7/2019 16:00	24.4	1074.1	$	26.21
8/7/2019 17:00	26.7	1075.8	$	26.72
8/7/2019 18:00	28.72	1077.3	$	30.94
8/7/2019 19:00	27.49	1078.8	$	29.66
8/7/2019 20:00	26.08	73.4	$	1.91
8/7/2019 21:00	27.48	0	$	-
8/7/2019 22:00	22.05	0	$	-
8/7/2019 23:00	18.15	0	$	-
8/8/2019 0:00	17.68	0	$	-
8/8/2019 1:00	17.67	0	$	-
8/8/2019 2:00	17.43	0	$	-
8/8/2019 3:00	16.84	0	$	-
8/8/2019 4:00	16.03	0	$	-
8/8/2019 5:00	16.5	0	$	-
8/8/2019 6:00	16.99	0	$	-
8/8/2019 7:00	16.94	0	$	-
8/8/2019 8:00	17.74	0	$	-
8/8/2019 9:00	18.55	0	$	-
8/8/2019 10:00	17.81	0	$	-
8/8/2019 11:00	17.92	0	$	-
8/8/2019 12:00	20.3	0	$	-
8/8/2019 13:00	20.38	0	$	-
8/8/2019 14:00	22.41	0	$	-

8/8/2019 15:00	26.74	155.5	$	4.16
8/8/2019 16:00	28.67	1073.2	$	30.77
8/8/2019 17:00	27.19	1074.2	$	29.21
8/8/2019 18:00	30.93	1074.8	$	33.24
8/8/2019 19:00	38.67	1076.3	$	41.62
8/8/2019 20:00	38.77	75.6	$	2.93
8/8/2019 21:00	48.24	0	$	-
8/8/2019 22:00	25.88	0	$	-
8/8/2019 23:00	18.85	0	$	-
8/9/2019 0:00	18.09	0	$	-
8/9/2019 1:00	17.19	0	$	-
8/9/2019 2:00	17.18	0	$	-
8/9/2019 3:00	16.97	0	$	-
8/9/2019 4:00	16.09	0	$	-
8/9/2019 5:00	16	0	$	-
8/9/2019 6:00	16.99	0	$	-
8/9/2019 7:00	15.99	0	$	-
8/9/2019 8:00	16.07	0	$	-
8/9/2019 9:00	16.94	0	$	-
8/9/2019 10:00	17.49	0	$	-
8/9/2019 11:00	17.1	0	$	-
8/9/2019 12:00	17.08	0	$	-
8/9/2019 13:00	18.34	0	$	-
8/9/2019 14:00	18.45	0	$	-
8/9/2019 15:00	20.48	0	$	-
8/9/2019 16:00	18.99	0	$	-
8/9/2019 17:00	21.72	0	$	-
8/9/2019 18:00	22.19	0	$	-
8/9/2019 19:00	26.78	0	$	-
8/9/2019 20:00	23.13	0	$	-
8/9/2019 21:00	24.95	0	$	-
8/9/2019 22:00	19.08	0	$	-
8/9/2019 23:00	16.78	0	$	-
8/10/2019 0:00	15.87	0	$	-
8/10/2019 1:00	16.77	0	$	-
8/10/2019 2:00	18.08	0	$	-
8/10/2019 3:00	17.48	0	$	-
8/10/2019 4:00	17.18	0	$	-
8/10/2019 5:00	16.14	0	$	-
8/10/2019 6:00	15.85	0	$	-
8/10/2019 7:00	21.08	0	$	-
8/10/2019 8:00	22.93	0	$	-
8/10/2019 9:00	31.06	0	$	-
8/10/2019 10:00	20.12	0	$	-
8/10/2019 11:00	17.17	0	$	-
8/10/2019 12:00	20.65	0	$	-
8/10/2019 13:00	21.64	0	$	-
8/10/2019 14:00	19.26	0	$	-
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8/10/2019 17:00	19.72	0	$	-
8/10/2019 18:00	20.71	0	$	-
8/10/2019 19:00	23.15	0	$	-
8/10/2019 20:00	19.46	0	$	-
8/10/2019 21:00	26.28	0	$	-
8/10/2019 22:00	19.57	0	$	-
8/10/2019 23:00	14.98	0	$	-
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8/11/2019 3:00	11.98	0	$	-
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8/11/2019 5:00	14.04	0	$	-
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8/11/2019 7:00	13.83	0	$	-
8/11/2019 8:00	14.12	0	$	-
8/11/2019 9:00	12.66	0	$	-
8/11/2019 10:00	11.73	0	$	-
8/11/2019 11:00	10	0	$	-
8/11/2019 12:00	13.91	0	$	-
8/11/2019 13:00	14.8	0	$	-
8/11/2019 14:00	14.41	0	$	-
8/11/2019 15:00	13.82	0	$	-
8/11/2019 16:00	12.39	0	$	-
8/11/2019 17:00	14.02	0	$	-
8/11/2019 18:00	19.66	0	$	-
8/11/2019 19:00	14.94	0	$	-
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8/11/2019 22:00	15.96	0	$	-
8/11/2019 23:00	12.55	0	$	-
8/12/2019 0:00	11.49	0	$	-
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8/12/2019 2:00	13.3	0	$	-
8/12/2019 3:00	8.4	0	$	-
8/12/2019 4:00	0.82	0	$	-
8/12/2019 5:00	13.03	0	$	-
8/12/2019 6:00	5.92	0	$	-
8/12/2019 7:00	13.91	0	$	-
8/12/2019 8:00	15.91	0	$	-
8/12/2019 9:00	13.84	0	$	-
8/12/2019 10:00	14.08	0	$	-
8/12/2019 11:00	16.58	0	$	-

8/12/2019 12:00	19.34	0	$	-
8/12/2019 13:00	22.39	0	$	-
8/12/2019 14:00	24.02	0	$	-
8/12/2019 15:00	28.87	0	$	-
8/12/2019 16:00	27.47	0	$	-
8/12/2019 17:00	38.41	0	$	-
8/12/2019 18:00	45.74	0	$	-
8/12/2019 19:00	41.6	0	$	-
8/12/2019 20:00	40.02	0	$	-
8/12/2019 21:00	38.79	0	$	-
8/12/2019 22:00	28.35	0	$	-
8/12/2019 23:00	25.6	0	$	-
8/13/2019 0:00	23.69	0	$	-
8/13/2019 1:00	26.93	0	$	-
8/13/2019 2:00	19.36	0	$	-
8/13/2019 3:00	19.09	0	$	-
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8/13/2019 7:00	40.23	0	$	-
8/13/2019 8:00	29.87	0	$	-
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8/13/2019 12:00	44.32	0	$	-
8/13/2019 13:00	50.54	0	$	-
8/13/2019 14:00	23	0	$	-
8/13/2019 15:00	22.19	0	$	-
8/13/2019 16:00	22.76	0	$	-
8/13/2019 17:00	32.06	0	$	-
8/13/2019 18:00	46.36	0	$	-
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8/13/2019 21:00	44.3	0	$	-
8/13/2019 22:00	33.02	0	$	-
8/13/2019 23:00	25.91	0	$	-
8/14/2019 0:00	22.45	0	$	-
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8/14/2019 2:00	20.79	0	$	-
8/14/2019 3:00	19.87	0	$	-
8/14/2019 4:00	20.19	0	$	-
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8/14/2019 7:00	23.09	0	$	-
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8/14/2019 18:00	38.67	0	$	-
8/14/2019 19:00	39.62	0	$	-
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8/14/2019 21:00	32.4	0	$	-
8/14/2019 22:00	35.47	0	$	-
8/14/2019 23:00	26.99	0	$	-
8/15/2019 0:00	41.84	0	$	-
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8/15/2019 2:00	19.01	0	$	-
8/15/2019 3:00	18.57	0	$	-
8/15/2019 4:00	17.21	0	$	-
8/15/2019 5:00	17.17	0	$	-
8/15/2019 6:00	20.21	0	$	-
8/15/2019 7:00	19.65	0	$	-
8/15/2019 8:00	20.18	0	$	-
8/15/2019 9:00	24.68	0	$	-
8/15/2019 10:00	34.78	0	$	-
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8/15/2019 23:00	47.51	0	$	-
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8/16/2019 3:00	18.03	0	$	-
8/16/2019 4:00	17.4	0	$	-
8/16/2019 5:00	18.26	0	$	-
8/16/2019 6:00	17.82	0	$	-
8/16/2019 7:00	21.35	0	$	-
8/16/2019 8:00	23.04	0	$	-

8/16/2019 9:00	29.38	0	$	-
8/16/2019 10:00	21.61	0	$	-
8/16/2019 11:00	21.40	0	$	-
8/16/2019 12:00	29.35	0	$	-
8/16/2019 13:00	36.81	0	$	-
8/16/2019 14:00	34.26	0	$	-
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8/16/2019 18:00	48.94	0	$	-
8/16/2019 19:00	45.05	0	$	-
8/16/2019 20:00	43.9	0	$	-
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8/18/2019 11:00	22.44	0	$	-
8/18/2019 12:00	27	0	$	-
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8/18/2019 14:00	43.56	0	$	-
8/18/2019 15:00	48.92	0	$	-
8/18/2019 16:00	63.55	0	$	-
8/18/2019 17:00	82.57	0	$	-
8/18/2019 18:00	99.5	0	$	-
8/18/2019 19:00	86.9	0	$	-
8/18/2019 20:00	72.43	0	$	-
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8/18/2019 22:00	45.19	0	$	-
8/18/2019 23:00	33.55	0	$	-
8/19/2019 0:00	24.18	0	$	-
8/19/2019 1:00	25.59	0	$	-
8/19/2019 2:00	26.3	0	$	-
8/19/2019 3:00	25.06	0	$	-
8/19/2019 4:00	24.85	0	$	-
8/19/2019 5:00	25.73	0	$	-
8/19/2019 6:00	29.02	0	$	-
8/19/2019 7:00	28.66	0	$	-
8/19/2019 8:00	27.54	0	$	-
8/19/2019 9:00	25.61	0	$	-
8/19/2019 10:00	24.36	0	$	-
8/19/2019 11:00	27.69	0	$	-
8/19/2019 12:00	29.26	0	$	-
8/19/2019 13:00	36.85	0	$	-
8/19/2019 14:00	46.51	157.9	$	7.34
8/19/2019 15:00	51.46	1070.5	$	55.09
8/19/2019 16:00	39.74	1071.2	$	42.57
8/19/2019 17:00	32.41	334	$	10.82
8/19/2019 18:00	29.58	505.5	$	14.95
8/19/2019 19:00	29.21	1084.7	$	31.68
8/19/2019 20:00	31.19	74.9	$	2.34
8/19/2019 21:00	27.23	0	$	-
8/19/2019 22:00	22.68	0	$	-
8/19/2019 23:00	19.24	0	$	-
8/20/2019 0:00	14.5	0	$	-
8/20/2019 1:00	18.72	0	$	-
8/20/2019 2:00	18.78	0	$	-
8/20/2019 3:00	18.41	0	$	-
8/20/2019 4:00	18.26	0	$	-
8/20/2019 5:00	18.18	0	$	-

8/20/2019 6:00	18.54	0	$	-
8/20/2019 7:00	18.03	0	$	-
8/20/2019 8:00	17.25	0	$	-
8/20/2019 9:00	18.43	0	$	-
8/20/2019 10:00	19.59	0	$	-
8/20/2019 11:00	19.26	0	$	-
8/20/2019 12:00	20.29	0	$	-
8/20/2019 13:00	22.71	0	$	-
8/20/2019 14:00	24.27	0	$	-
8/20/2019 15:00	24.3	159.2	$	3.87
8/20/2019 16:00	26.93	1079	$	28.90
8/20/2019 17:00	28.9	1073.7	$	31.03
8/20/2019 18:00	32.02	1074.2	$	34.40
8/20/2019 19:00	31.29	531.4	$	16.63
8/20/2019 20:00	25.49	0	$	-
8/20/2019 21:00	26.5	0	$	-
8/20/2019 22:00	23.96	0	$	-
8/20/2019 23:00	20.25	0	$	-
8/21/2019 0:00	18.1	0	$	-
8/21/2019 1:00	18.4	0	$	-
8/21/2019 2:00	18.46	0	$	-
8/21/2019 3:00	17.79	0	$	-
8/21/2019 4:00	16.49	0	$	-
8/21/2019 5:00	16.44	0	$	-
8/21/2019 6:00	17.66	0	$	-
8/21/2019 7:00	19.94	0	$	-
8/21/2019 8:00	19.16	0	$	-
8/21/2019 9:00	23.34	0	$	-
8/21/2019 10:00	29.48	0	$	-
8/21/2019 11:00	29.08	0	$	-
8/21/2019 12:00	28.77	0	$	-
8/21/2019 13:00	42.4	0	$	-
8/21/2019 14:00	29.56	0	$	-
8/21/2019 15:00	29.41	0	$	-
8/21/2019 16:00	25.29	0	$	-
8/21/2019 17:00	28.39	0	$	-
8/21/2019 18:00	26.35	0	$	-
8/21/2019 19:00	24.97	0	$	-
8/21/2019 20:00	26.34	0	$	-
8/21/2019 21:00	25.1	0	$	-
8/21/2019 22:00	25.56	0	$	-
8/21/2019 23:00	21.55	0	$	-
8/22/2019 0:00	19.14	0	$	-
8/22/2019 1:00	17.88	0	$	-
8/22/2019 2:00	18.63	0	$	-
8/22/2019 3:00	17.83	0	$	-
8/22/2019 4:00	18.41	0	$	-
8/22/2019 5:00	19.81	0	$	-
8/22/2019 6:00	22.64	0	$	-
8/22/2019 7:00	22.57	0	$	-
8/22/2019 8:00	22.16	0	$	-
8/22/2019 9:00	23.74	0	$	-
8/22/2019 10:00	25.63	36.2	$	0.93
8/22/2019 11:00	27.4	548	$	15.02
8/22/2019 12:00	29.19	8.4	$	0.25
8/22/2019 13:00	34.22	0	$	-
8/22/2019 14:00	34.85	0	$	-
8/22/2019 15:00	48.71	0	$	-
8/22/2019 16:00	31.87	0	$	-
8/22/2019 17:00	31.32	0	$	-
8/22/2019 18:00	34.43	0	$	-
8/22/2019 19:00	33.84	0	$	-
8/22/2019 20:00	35.16	0	$	-
8/22/2019 21:00	34.6	0	$	-
8/22/2019 22:00	38.33	0	$	-
8/22/2019 23:00	36.86	0	$	-
8/23/2019 0:00	33.06	0	$	-
8/23/2019 1:00	21.66	0	$	-
8/23/2019 2:00	21.9	0	$	-
8/23/2019 3:00	25.94	0	$	-
8/23/2019 4:00	20.49	0	$	-
8/23/2019 5:00	19.37	0	$	-
8/23/2019 6:00	19.84	0	$	-
8/23/2019 7:00	26.14	0	$	-
8/23/2019 8:00	23.66	0	$	-
8/23/2019 9:00	24.7	0	$	-
8/23/2019 10:00	20.08	0	$	-
8/23/2019 11:00	19.02	0	$	-
8/23/2019 12:00	19.18	0	$	-
8/23/2019 13:00	19.58	0	$	-
8/23/2019 14:00	18.64	0	$	-
8/23/2019 15:00	18.38	0	$	-
8/23/2019 16:00	18.05	0	$	-
8/23/2019 17:00	18.77	0	$	-
8/23/2019 18:00	18.1	0	$	-
8/23/2019 19:00	18.09	0	$	-
8/23/2019 20:00	17.53	0	$	-
8/23/2019 21:00	17.35	0	$	-
8/23/2019 22:00	16.72	0	$	-
8/23/2019 23:00	15.41	0	$	-
8/24/2019 0:00	9.67	0	$	-
8/24/2019 1:00	12.05	0	$	-
8/24/2019 2:00	1.56	0	$	-

8/24/2019 3:00	9.06	0	$	-
8/24/2019 4:00	11.33	0	$	-
8/24/2019 5:00	10.83	0	$	-
8/24/2019 6:00	10.55	0	$	-
8/24/2019 7:00	9.42	0	$	-
8/24/2019 8:00	12.09	0	$	-
8/24/2019 9:00	14.24	0	$	-
8/24/2019 10:00	14.75	0	$	-
8/24/2019 11:00	17.69	0	$	-
8/24/2019 12:00	13.1	0	$	-
8/24/2019 13:00	-10.42	0	$	-
8/24/2019 14:00	11.46	0	$	-
8/24/2019 15:00	13.01	0	$	-
8/24/2019 16:00	13.54	0	$	-
8/24/2019 17:00	13.48	0	$	-
8/24/2019 18:00	14.1	0	$	-
8/24/2019 19:00	14.8	0	$	-
8/24/2019 20:00	14.67	0	$	-
8/24/2019 21:00	14.38	0	$	-
8/24/2019 22:00	13.58	0	$	-
8/24/2019 23:00	12.72	0	$	-
8/25/2019 0:00	11.47	0	$	-
8/25/2019 1:00	12.79	0	$	-
8/25/2019 2:00	12.84	0	$	-
8/25/2019 3:00	12.67	0	$	-
8/25/2019 4:00	12.56	0	$	-
8/25/2019 5:00	12.11	0	$	-
8/25/2019 6:00	11.69	0	$	-
8/25/2019 7:00	12.9	0	$	-
8/25/2019 8:00	13.01	0	$	-
8/25/2019 9:00	12.86	0	$	-
8/25/2019 10:00	12.03	0	$	-
8/25/2019 11:00	12.74	0	$	-
8/25/2019 12:00	13.48	0	$	-
8/25/2019 13:00	13.99	0	$	-
8/25/2019 14:00	13.94	0	$	-
8/25/2019 15:00	13.46	0	$	-
8/25/2019 16:00	12.47	0	$	-
8/25/2019 17:00	12.83	0	$	-
8/25/2019 18:00	14.51	0	$	-
8/25/2019 19:00	15.14	0	$	-
8/25/2019 20:00	14.67	0	$	-
8/25/2019 21:00	13.9	0	$	-
8/25/2019 22:00	16.08	0	$	-
8/25/2019 23:00	13.54	0	$	-
8/26/2019 0:00	14.28	0	$	-
8/26/2019 1:00	12.48	0	$	-
8/26/2019 2:00	10.88	0	$	-
8/26/2019 3:00	9.81	0	$	-
8/26/2019 4:00	9.82	0	$	-
8/26/2019 5:00	9.87	0	$	-
8/26/2019 6:00	10.01	0	$	-
8/26/2019 7:00	13.61	0	$	-
8/26/2019 8:00	16.24	0	$	-
8/26/2019 9:00	13.86	0	$	-
8/26/2019 10:00	13.47	0	$	-
8/26/2019 11:00	14.52	0	$	-
8/26/2019 12:00	14.82	0	$	-
8/26/2019 13:00	14.54	0	$	-
8/26/2019 14:00	15.86	0	$	-
8/26/2019 15:00	14.59	0	$	-
8/26/2019 16:00	14.76	0	$	-
8/26/2019 17:00	16.69	0	$	-
8/26/2019 18:00	17.45	0	$	-
8/26/2019 19:00	20.07	0	$	-
8/26/2019 20:00	17.39	0	$	-
8/26/2019 21:00	17.12	0	$	-
8/26/2019 22:00	15.69	0	$	-
8/26/2019 23:00	14.07	0	$	-
8/27/2019 0:00	13.44	0	$	-
8/27/2019 1:00	9.71	0	$	-
8/27/2019 2:00	-18.87	0	$	-
8/27/2019 3:00	9.43	0	$	-
8/27/2019 4:00	9.61	0	$	-
8/27/2019 5:00	-1.59	0	$	-
8/27/2019 6:00	12.36	0	$	-
8/27/2019 7:00	17.19	0	$	-
8/27/2019 8:00	15.74	0	$	-
8/27/2019 9:00	15.32	0	$	-
8/27/2019 10:00	15.01	0	$	-
8/27/2019 11:00	15.26	0	$	-
8/27/2019 12:00	14.54	0	$	-
8/27/2019 13:00	15.52	0	$	-
8/27/2019 14:00	15.58	0	$	-
8/27/2019 15:00	15.86	0	$	-
8/27/2019 16:00	17.93	0	$	-
8/27/2019 17:00	18.52	0	$	-
8/27/2019 18:00	19.02	0	$	-
8/27/2019 19:00	19.08	0	$	-
8/27/2019 20:00	18.91	0	$	-
8/27/2019 21:00	19.01	0	$	-
8/27/2019 22:00	16.72	0	$	-
8/27/2019 23:00	14.71	0	$	-

8/28/2019 0:00	13.2	0	$	-
8/28/2019 1:00	11.77	0	$	-
8/28/2019 2:00	13.16	0	$	-
8/28/2019 3:00	13.43	0	$	-
8/28/2019 4:00	9.68	0	$	-
8/28/2019 5:00	13.11	0	$	-
8/28/2019 6:00	12.71	0	$	-
8/28/2019 7:00	14.9	0	$	-
8/28/2019 8:00	15.81	0	$	-
8/28/2019 9:00	16.6	0	$	-
8/28/2019 10:00	16.29	0	$	-
8/28/2019 11:00	15.58	0	$	-
8/28/2019 12:00	16.44	0	$	-
8/28/2019 13:00	18.52	0	$	-
8/28/2019 14:00	24.54	0	$	-
8/28/2019 15:00	22.46	0	$	-
8/28/2019 16:00	94.81	0	$	-
8/28/2019 17:00	24.36	0	$	-
8/28/2019 18:00	17.08	0	$	-
8/28/2019 19:00	16.45	0	$	-
8/28/2019 20:00	18.07	0	$	-
8/28/2019 21:00	19.18	0	$	-
8/28/2019 22:00	18.97	0	$	-
8/28/2019 23:00	14.85	0	$	-
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8/29/2019 1:00	15.4	0	$	-
8/29/2019 2:00	16.42	0	$	-
8/29/2019 3:00	15.85	0	$	-
8/29/2019 4:00	14.9	0	$	-
8/29/2019 5:00	15.89	0	$	-
8/29/2019 6:00	17.01	0	$	-
8/29/2019 7:00	23.17	0	$	-
8/29/2019 8:00	23.78	0	$	-
8/29/2019 9:00	24.63	0	$	-
8/29/2019 10:00	23.61	0	$	-
8/29/2019 11:00	22.76	0	$	-
8/29/2019 12:00	18.83	0	$	-
8/29/2019 13:00	19.61	0	$	-
8/29/2019 14:00	17.89	0	$	-
8/29/2019 15:00	21.7	0	$	-
8/29/2019 16:00	24.5	0	$	-
8/29/2019 17:00	40.94	0	$	-
8/29/2019 18:00	46.35	0	$	-
8/29/2019 19:00	36.28	0	$	-
8/29/2019 20:00	36.85	0	$	-
8/29/2019 21:00	32.81	0	$	-
8/29/2019 22:00	25.89	0	$	-
8/29/2019 23:00	20.52	0	$	-
8/30/2019 0:00	21.95	0	$	-
8/30/2019 1:00	16.69	0	$	-
8/30/2019 2:00	16.11	0	$	-
8/30/2019 3:00	14.12	0	$	-
8/30/2019 4:00	14.4	0	$	-
8/30/2019 5:00	15.06	0	$	-
8/30/2019 6:00	16.89	0	$	-
8/30/2019 7:00	17.69	0	$	-
8/30/2019 8:00	15.54	0	$	-
8/30/2019 9:00	15.17	0	$	-
8/30/2019 10:00	15.32	0	$	-
8/30/2019 11:00	14.8	0	$	-
8/30/2019 12:00	16.86	0	$	-
8/30/2019 13:00	15.74	0	$	-
8/30/2019 14:00	18.29	0	$	-
8/30/2019 15:00	19.26	0	$	-
8/30/2019 16:00	18.92	0	$	-
8/30/2019 17:00	20.08	0	$	-
8/30/2019 18:00	21.63	0	$	-
8/30/2019 19:00	23.61	0	$	-
8/30/2019 20:00	24.39	0	$	-
8/30/2019 21:00	25.23	0	$	-
8/30/2019 22:00	24.79	0	$	-
8/30/2019 23:00	19.75	0	$	-
8/31/2019 0:00	27	0	$	-
8/31/2019 1:00	23.28	0	$	-
8/31/2019 2:00	22.92	0	$	-
8/31/2019 3:00	20.57	0	$	-
8/31/2019 4:00	19.05	0	$	-
8/31/2019 5:00	19.83	0	$	-
8/31/2019 6:00	20.14	0	$	-
8/31/2019 7:00	22.23	0	$	-
8/31/2019 8:00	15.39	0	$	-
8/31/2019 9:00	22.28	0	$	-
8/31/2019 10:00	27.83	0	$	-
8/31/2019 11:00	31.18	0	$	-
8/31/2019 12:00	24.68	0	$	-
8/31/2019 13:00	32.58	0	$	-
8/31/2019 14:00	25.66	0	$	-
8/31/2019 15:00	16.3	0	$	-
8/31/2019 16:00	27.45	0	$	-
8/31/2019 17:00	37.14	0	$	-
8/31/2019 18:00	40.48	0	$	-
8/31/2019 19:00	39.71	0	$	-
8/31/2019 20:00	40.44	0	$	-

8/31/2019 21:00	31.48	0	$	-
8/31/2019 22:00	24.72	0	$	-
8/31/2019 23:00	17.13	0	$	-
9/1/2019 0:00	18.15	0	$	-

Harle Round

From: Christina Beaudry <cbeaudry@ene.org>
Sent: Tuesday, September 24, 2019 9:51 AM
To: Accounting
Cc: Harle Round; Michael Kirkwood
Subject: FW: Invoice for August 2019
Attachments: Pascoag Powerhouse LLC Invoice - 2019 August.pdf; Pascoag Powerhouse LLC Energy - 2019 August.xlsx

Sally / Jenna,

This invoice is ok to pay..

	August Invoice Values				
			ENE Calc	**Invoice**	**Variance**
	August	Energy	$ 559.16	$ 559.16	$ -
	July	Transmission	$ 9,125.43	$ 9,125.43	$ -
	August	Capacity	$ 10,891.91	$ 10,891.59	$ (0.32)
		Energy Rebate			
		Total	**$ 20,576.50**	**$ 20,576.18**	**$ (0.32)**
	Outstanding Invoice Values				
Estimated	August	Transmission	$ -		
		Total	**$ -**		

Please let me know if you have any questions.

Thanks,
Chris

Christina Beaudry
Manager, Utility Services

ENE
Energy New England

Please note that as of Monday, April 1st, ENE's offices will be located at the address listed below.

Energy New England, LLC
5 Hampshire Street, Suite 100
Mansfield, MA 02048
Phone: 508.698.1212
Fax: 508.698.0222
Email: cbeaudry@ene.org

From: Tammi Poore [mailto:tpoore@tangentenergy.com]
Sent: Tuesday, September 24, 2019 8:19 AM
To: Harle Round <hround@pud-ri.org>; Michael Kirkwood <mkirkwood@pud-ri.org>
Cc: Paul Jameson <pjameson@constantenergy.com>; Steven D'Angelo <sdangelo@tangentenergy.com>; billing@constantenergycap.com; Dave Turner <dturner@tangentenergy.com>; Christina Beaudry <cbeaudry@ene.org>; Sally LeBlanc <sleblanc@ene.org>
Subject: Invoice for August 2019

Attached is the August invoice which includes the energy for August and the transmission for July.

If you have any questions, please let us know.

Tammi

Tammi Poore
Operations Manager
204 Gale Lane
PO Box 1140
Kennett Square, PA 19348
610-444-2800 ext. 201

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Duncan & Allen
COUNSELLORS AT LAW

1730 Rhode Island Avenue, NW
Suite 700
Washington, DC 20036-3115
Telephone (202) 289-8400
FAX(202) 289-8450
Tax ID #52-0904941

Pascoag Utility District
PO Box 107
Pascoag, RI 02859
Attention: Michael Kirkwood, General Manager

September 10, 2019
Client: 001607
Page: 1

PRIVILEDGED & CONFIDENTIAL

For Professional Services Rendered Through August 31, 2019

Matter	Description	Invoice #	Services	Tax	Expenses	Interest	Total
160701	General Standard offer	40379	$1,615.00	$0.00	$0.00	$0.00	$1,615.00
304901	8 Systems BP EEI Masters "	40380	$209.74	$0.00	$205.52	$0.00	$415.26
304902	Municipal EEIs - HQUS	40381	$282.47	$0.00	$0.00	$0.00	$282.47

Transmission

Total Current Charges	$2,312.73
Previous Balance	$1,633.66
Less Payments	($1,633.66)
PAY THIS AMOUNT	**$2,312.73**

Due Upon Receipt. Please include the invoice number on all remittance. Thank you.

Received: SEP 17 2019
Approved: [signature]
GL Account: 565.50 $2030.26
565.50 $282.47
Vendor #:
Invoice #:

Duncan & Allen
COUNSELLORS AT LAW

1730 Rhode Island Avenue, NW
Suite 700
Washington, DC 20036-3115
Telephone (202) 289-8400
FAX (202) 289-8450
Tax ID # 52-0904941

Pascoag Utility District
PO Box 107
Pascoag, RI 02859
Attention: Michael Kirkwood

September 10, 2019
Client: 001607
Matter: 160701
Invoice #: 40379
Resp Atty: JPC

PRIVILEGED & CONFIDENTIAL

RE: General
General Electric Utility Legal Services

For Professional Services Rendered Through August 31, 2019

FEES

Date	Person	Description of Fees	Hours	Rate	Amount
08/01/2019	JPC	Telephone conference with Messrs. Kirkwood and Guertin and Messrs. Ciullo, Myette and Cavanaugh (ENE) re meeting with ISO-NE on Pascoag's proposed battery storage facility; Correspondence with Mr. Cavanaugh re relevant ISO-NE market rule references for term sheet revisions.	1.4	$425.00	$595.00
08/07/2019	JPC	Telephone conference with Mr. Kirkwood re development of term sheet for Energy Services Agreement with New England Battery Storage; Correspondence with Messrs. Kirkwood and Ciullo (ENE) re input for consolidated term sheet; Draft and circulate consolidated revised term sheet for NEBS energy services arrangement.	2.4	$425.00	$1,020.00
		Total Professional Fees	3.8		$1,615.00

PERSON RECAP

Person		Hours	Rate	Amount
JPC	John P. Coyle	3.8	$425.00	$1,615.00

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Total Fees	$1,615.00	
Total Expenses	$0.00	
Total Current Charges		$1,615.00
Previous Balance		$935.00
Less Payments		*($935.00)*
PAY THIS AMOUNT		**$1,615.00**

Due Upon Receipt. Please include the invoice number on all remittance. Thank you.

For billing questions, contact the senior attorney assigned to your matter or Terri Parsons, at (202) 289-8400

Duncan & Allen
COUNSELLORS AT LAW

1730 Rhode Island Avenue, NW
Suite 700
Washington, DC 20036-3115
Telephone (202) 289-8400
FAX (202) 289-8450
Tax ID # 52-0904941

Pascoag Utility District
PO Box 107
Pascoag, RI 02859
Attention: Michael Kirkwood, General Manager

September 10, 2019
Client: 001607
Matter: 304901
Invoice #: 40380
Resp Atty: JPC
Page: 1 of 2

PRIVILEGED & CONFIDENTIAL

RE: 8 Systems BP EEI Masters
For legal and professional services rendered in connection with the development of EEI Master Power Purchase and Sales Agreements with BP Energy

For Professional Services Rendered Through August 31, 2019

FEES

Date	Person	Description of Services	Hours	Rate	Amount
07/10/2019	AEM	Review and edit list of completed EEI contracts, communicate same to Ms. Bond.	0.2	$350.00	$70.00
08/01/2019	AMB	Coordinated with Wallingford to exchange executed copies of EEI master agreement; Email correspondence with BP regarding execution and compilation of final versions of documents.	2.6	$375.00	$975.00
08/01/2019	JPC	Correspondence with Ms. Parrish (BP Energy), Ms. Bond and Mr. Hendershot re finalizing and executing EEI Master Agreement between BP and Wallingford.	1.3	$425.00	$552.50
08/02/2019	AMB	Email correspondence with BP regarding bank account issues for establishing EEI masters.	1.1	$375.00	$412.50
08/02/2019	JPC	Correspondence and telephone conferences with various parties re BP request for confirmation of Wallingford banking information and agency arrangements with ENE.	0.7	$425.00	$297.50
		Total Professional Fees	5.9		$2,307.50
		Less Amount Owed By Other Parties			*($2,097.76)*
		Total Professional Services Due			**$209.74**

PERSON RECAP

Person		Hours	Rate	Amount
AMB	Ashley M. Bond	3.7	$375.00	$1,387.50

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September 10, 2019	
Client:	001607
Matter:	304901
Invoice #:	40380
Resp Atty:	JPC
Page:	2 of 2

PERSON RECAP

Person		Hours	Rate	Amount
JPC	John P. Coyle	2.0	$425.00	$850.00
AEM	Amy E. McDonnell	0.2	$350.00	$70.00

EXPENSES

Date	Description of Expenses	Amount
08/31/2019	JK Energy Consulting, LLC- Outside Consulting Services- Aug 2019	$205.52
	Total Expenses	$205.52

Total Professional Services	$2,307.50	
Less Amount Owed By Other Parties	*($2,097.76)*	
Total Professional Fees Due	$209.74	
Total Expenses Due	$205.52	
Total Current Charges		$415.26
Previous Balance		$538.58
Less Payments		*($538.58)*
PAY THIS AMOUNT		**$415.26**

Due Upon Receipt. Please include the invoice number on all remittance. Thank you.

For billing questions, contact the senior attorney assigned to your matter or Terri Parsons, at (202) 289-8400

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& Allen

3049-01 Billing Allocations

Client Contacts

James F. Palmer, General Manager Belmont Municipal Light Department 40 Prince Street Belmont, Massachusetts 02478 Telephone: (617) 993-2830 Facsimile: (617) 993-2812 Email: jpalmer@belmontlight.com	David G. Wood, Director Concord Municipal Light Plant 1175 Elm Street Concord, Massachusetts 01742 Telephone: (978) 318-3126 Facsimile: (978) 318-3105 Email: dwood@concordma.gov
David Schofield Georgetown Municipal Light Department 94 Searle Street Georgetown, Massachusetts 01833 Telephone: (978) 352-5730 Facsimile: (978) 352-5733 Email: dschofield@georgetownlight.com	Kevin Snow Groveland Municipal Light Department 944 Salem Street, Suite A Groveland, MA 01834 (978)-372-1671 (978)-304-2078 (cell) K.SnowGELD@comcast.net
Paul G. Heanue, General Manager Hingham Municipal Lighting Plant 31 Bare Cove Park Drive Hingham, Massachusetts 02043 Telephone: (781) 749-0134 Facsimile: (781) 749-1396 Email: pheanue@hmlp.com	Francisco Frias Merrimac Light & Water Department 10 West Main Street Merrimac, MA 01860 Tel: 978-346-8311 Fax: 978-346-8312 Email: ffrias@merrimaclight.com
Michael Cloutier, General Manager Middleton Electric Light Department 197 North Main Street Middleton, Massachusetts 01949 Telephone: (978) 774-4313 Facsimile: (978) 774-5408 Email: mcloutier@middletonelectric.org	Michael Kirkwood Pascoag Utility District 253 Pascoag Main Street Pascoag, Rhode Island 02859 Telephone: (401) 568-6265 Facsimile: (401) 568-0066 Email: mkirkwood@pud-ri.org
Daniel Folding, General Manager Rowley Municipal Lighting Plant 47 Summer Street Rowley, Massachusetts 01969 Telephone: (978) 948-3992 Facsimile: (978) 948-2251 Email: dfolding@rowleylight.com	

Monthly bills will be split equally (11.11 percent each) among the clients.

JK Energy Consulting, LLC

650 J Street, Suite 108
Lincoln, NE 68508
Telephone: 402-440-0227
Fax: 402-438-4322
Email: jk@jkenergyconsulting.com

Invoice

Date	Invoice #
9/3/2019	1453

Bill To:

Duncan & Allen
Attn: John Coyle
1730 Rhode Island Ave., NW
Suite 700
Washington, DC 20036

Project	
ISO New England	
Terms	**PO Number**
Due on receipt	

Qty / Hrs	Description	Rate	Amount
17	Hourly Billed Services. Telephone conference on 8/6 to discuss NETO counter-offer. Review spreadsheet sent by Lisa Cooper to prepare updated counter-proposal to address RNS/LNS issue. Correspondence with D&A, Montalvo and Looker regarding formula rate protocols and formula rate templates. Telephone conference with D&A, Montalvo and Looker on 8/26 regarding settlement conference and next steps. Draft testimony outline and route to team. Telephone conference with Looker and Montalvo on 8/30 to discuss appropriate template to propose and protocols.	133.00	2,261.00
		Total	**$2,261.00**

Duncan & Allen
COUNSELLORS AT LAW

1730 Rhode Island Avenue, NW
Suite 700
Washington, DC 20036-3115
Telephone (202) 289-8400
FAX (202) 289-8450
Tax ID # 52-0904941

Pascoag Utility District
PO Box 107
Pascoag, RI 02859
Attention: Michael Kirkwood, General Manager

September 10, 2019
Client: 001607
Matter: 304902
Invoice #: 40381
Resp Atty: JPC

PRIVILEGED & CONFIDENTIAL

RE: Municipal EEIs - HQUS
For legal and professional services rendered in development of EEI Master Power Purchase Agreement with HQ Energy Services US, Inc., including the following:

For Professional Services Rendered Through August 31, 2019

FEES

Date	Person	Description of Services	Hours	Rate	Amount
08/01/2019	AMB	Email correspondence with systems interested in EEI Master Agreement with HQUS regarding needed documents and additional inputs for counterparty registration form.	1.2	$375.00	$450.00
08/02/2019	AMB	Update to master spreadsheet regarding status of interested systems' counterparty registration forms; Email correspondence with Mr Coyle regarding additional system interest and contact information for same.	3.6	$375.00	$1,350.00
08/05/2019	AMB	Correspondence with Mr Coyle regarding contact information required for additional system forms; Input information on to required forms in prep of submitting to HQUS.	2.2	$375.00	$825.00
08/06/2019	AMB	Updated counterparty registration forms to reflect incoming information from clients; Sent completed forms to HQUS team.	1.8	$375.00	$675.00
08/07/2019	JPC	Correspondence with Ms. Bond, Messrs. Newell (WMLP) and Contrino (WGELD) re information required to complete HQUS counterparty registration forms, preliminary to setting up EEI Master Agreements.	0.7	$425.00	$297.50
08/16/2019	JPC	Correspondence with Ms. Bond re questions on completion of HQUS counterparty registration form for Littleton.	0.8	$425.00	$340.00
08/29/2019	JPC	Correspondence to Mr. Kirkwood re HQUS counterparty registration form for Pascoag Utility District.	0.7	$425.00	$297.50

Duncan
& Allen

FEES

Date	Person	Description of Services	Hours	Rate	Amount
		Total Professional Fees	11.0		$4,235.00
		Less Amount Owed By Other Parties			*($3,952.53)*
		Total Professional Services Due			**$282.47**

PERSON RECAP

Person		Hours	Rate	Amount
AMB	Ashley M. Bond	8.8	$375.00	$3,300.00
JPC	John P. Coyle	2.2	$425.00	$935.00

Total Professional Services	$4,235.00	
Less Amount Owed By Other Parties	*($3,952.53)*	
Total Professional Fees Due	$282.47	
Total Expenses Due	$0.00	
Total Current Charges		$282.47
Previous Balance		$160.08
Less Payments		*($160.08)*
PAY THIS AMOUNT		**$282.47**

Due Upon Receipt. Please include the invoice number on all remittance. Thank you.

For billing questions, contact the senior attorney assigned to your matter or Terri Parsons, at (202) 289-8400

Client Contacts and Bill Allocations for HQ Energy Services US, Inc. EEI Masters

Christopher Roy, General Manager Belmont Municipal Light Department 40 Prince Street Belmont, MA 02478 Telephone: (617) 993-2830 Facsimile: (617) 993-2846 e-mail: croy@belmontlight.com	Jeffery Wright, President Block Island Power Co. 100 Ocean Avenue Post Office Box 518 Block Island, RI 02807 Telephone: (401) 466-5851 Facsimile: (401) 466-5068 e-mail: jwright@bipco.net
William G. Bottiggi, General Manager Braintree Electric Light Department 150 Potter Road Braintree, MA 02184 Telephone: (781) 348-1010 Facsimile: (781) 348-1003 e-mail: bbottiggi@beld.com	David Wood, Director Concord Municipal Light Plant 1175 Elm Street P.O. Box 1029 Concord, MA 01742-1029 Telephone: (978) 318-3126 Facsimile: (978) 318-3105 e-mail: dwood@concordma.gov
David Schofield, Manager Georgetown Municipal Light Department 94 Searle Street Georgetown, MA 01833 Telephone: (978) 352-5730 Facsimile: (978) 352-5733 e-mail: dschofield@georgetownlight.com	Kevin Snow, Manager Groveland Electric Light Department 23 School Street Groveland, MA 01834 Telephone: (978) 372-1671 Facsimile: (978) 469-5009 e-mail: k.snowgeld@comcast.net
Paul Heanue, General Manager Hingham Municipal Lighting Plant 222 Central Street Hingham, MA 02043 Telephone: (781) 749-0134 Facsimile: (781) 749-0558 e-mail: pheanue@hmlp.com	Francisco Frias, General Manager Merrimac Municipal Light Deparment 10 West Main Street Merrimac, MA 01860 Telephone: (978) 346-6311 Facsimile: (978) 346-8312 e-mail: ffrias@merrimaclight.com
Michael Cloutier, Manager Middleton Electric Light Department 197 North Main Street Middleton, MA 01949 Telephone: (978) 774-4313 Facsimile: (978) 774-5408 e-mail: mcloutier@middletonelectric.org	James Collins, General Manager Town of Norwood Light & Broadband Department 206 Central Street Norwood, MA 02062 Telephone: (781) 948-1128 e-mail: jcollins@norwoodlight.com

Michael Kirkwood, General Manager Pascoag Utility District 253 Pascoag Main Street Post Office Box 107 Pascoag, RI 02859 Telephone: (401) 568-6265 Facsimile: (401) 568-0066 e-mail: mkirkwood@pud-ri.org	Daniel Folding General Manager Rowley Municipal Lighting Plant 47 Summer Street Rowley, MA 01969 Telephone: (978) 948-3992 Facsimile: (978) 948-2251 e-mail: dfolding@rowleylight.com
Rick Hendershot, Director Town of Wallingford Division of Public Utilities 100 John Street Wallingford, CT 06492 Telephone: (203) 294-2263 Facsimile: (203) 294-2267 e-mail: r.hendershot@wallingfordct.gov	Richard F. Joyce Director Wellesley Municipal Light Plant 4 Municipal Way Wellesley, MA 02481 Telephone: (781) 235-7600 Facsimile: (781) 489-2154 e-mail: djoyce@wellesleyma.gov
Daniel Howard, General Manager Westfield Gas & Electric Department 40 Turnpike Industrial Road P.O. Box 990 Westfield, MA 01086 Telephone: (413) 572-0207 Facsimile: (413) 572-0136 e-mail: dhoward@wgeld.org	

Bill Allocation is 6.67 percent (1/15) per client.

MASSACHUSETTS MUNICIPAL
WHOLESALE ELECTRIC CO.

Vendor Number	Vendor Name	Check No.	Check Date
1150	Pascoag Utility District	155105	9/26/2019

Reference	Invoice Date	Invoice Number	Invoice Amount	Discount	Net Check Amount
Invoice Summary	9/13/2019	09132019	23,563.51		23,563.51
			23,563.51		23,563.51

Journal: 2019007862 Date: Oct 1, 2019
Set: 0 Time: 7:22:49

MMWEC FMC REIMb
Miscellaneous Activity 23563.51

MMWEC FMC JUNE and JULY/HR

Total To-Be-Paid: 23563.51
2356351 Check: 23563.51

Change Due: 0.00

4 162 pscgcsh2 1 4

MMWEC
MASSACHUSETTS MUNICIPAL WHOLESALE ELECTRIC CO.
327 MOODY STREET
LUDLOW, MA 01056

Bank of America
52-153-112

Check No.	Check Date	Vendor No.
155105	9/26/2019	1150

Pay TWENTY THREE THOUSAND FIVE HUNDRED SIXTY THREE AND 51/100**********

Check Amount
$****23,563.51

Not Valid After 365 Days

To the Order of Pascoag Utility District
253 Pascoag-Main Street
PO Box 107
Pascoag RI 02859

Two signatures required over $25,000.00

⑈00155105⑈ ⑆011201539⑆ 0000802426 07⑈

Date:	September 13, 2019		
Amount ($):	$ 23,563.51		
To:	Pascoag Utility District		
Street:	253 Main Street; Box 107		
City, State :	Pascoag, RI	Zip Code:	01749

Forward Capacity Market Settlement for NYPA -	Jun-19	$ 12,910.50
Forward Capacity Market Settlement for NYPA -	Jul-19	$ 12,910.50
PSCOG Share of ISO/NYPA Charges - May 2019		$ (502.35)
PSCOG Share of ISO/NYPA Charges - June 2019		$ (338.50)
Forward Capacity Mkt Stlmnt NYPA-Pscog Adj 100 KW-June 19		$ (707.69)
Forward Capacity Mkt Stlmnt NYPA-Pscog Adj 100 KW-July 19		$ (708.95)