PASCOAG
UTILITY DISTRICT

Pascoag Electric • Pascoag Water

253 Pascoag Main Street
P.O. Box 107
Pascoag, RI 02859
Phone: 401-568-6222
Fax: 401-568-0066
www.pud-ri.org

December 4, 2019

Ms. Luly Massaro
Clerk of the Commission
89 Jefferson Boulevard
Warwick, RI 02888

Re: Pascoag Utility District's Responses to Commission's First Set of Date Request in Docket No. 4990

Dear Ms. Massaro:

On behalf of the Pascoag Utility District ("Pascoag" or the "District"), I herewith file an original and nine copies of Pascoag's Answers to the Commission's first set of data request directed to Pascoag Utility District.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

Harle Round
Manger of Finance and Customer Service

Cc: Christy Hetherington, Esquire
Cc: Mr. William Bernstein, Esquire

This institution is an equal opportunity provider and employer.

Pascoag Utility District's 2020
Standard Offer Service, Transmission
And Transition

Docket No. 4990
The District's Responses to Commission's First Set of Data Requests Issued to Pascoag Utility District

1-1 Please update the responses from PUC 2-1 issued in Docket 4895.

Response by Christina Beaudry (ENE):
Please see table below which includes the requested data through October 2019.

Peak Date	Peak HE	Generation	Peak Date	Peak HE	Generation	Peak Date	Peak HE	Generation
2017			2018			2019		
			1/2/18	18	1.0959	1/21/19	18	0.1160
			2/7/18	18	1.0907	2/1/19	19	1.0952
			3/7/18	19	1.0925	3/6/19	19	1.0970
			4/3/18	20	1.0919	4/9/19	20	1.0920
			5/29/18	19	1.0754	5/20/19	19	1.0837
			6/18/18	18	0.2848	6/28/19	18	1.0707
			7/5/18	18	1.0699	7/30/19	18	1.0717
			8/29/18	18	1.0658	8/19/19	16	1.0712
			9/6/18	16	1.0660	9/23/19	18	1.0762
10/9/17	19	-	10/10/18	19	1.0776	10/2/19	15	1.0801
11/28/17	18	1.0887	11/15/18	18	1.0924			
12/28/17	18	0.9591	12/18/18	18	1.0902			

1-2 Please update the responses from PUC 2-2 issued in Docket 4895.

Response by Christina Beaudry (ENE):
Please see table below which includes the requested data through October 2019.

Calculated Behind the Meter (BTM) Values					
Month	Energy MW	Real Time LMP Value	$/MWH	Transmission Value	Capacity Value
Oct-17	0.2854	$ 8.72	$ 30.54	$ -	
Nov-17	12.9398	$ 905.77	$ 70.00	$ 10,321.33	
Dec-17	122.8803	$ 20,510.26	$ 166.91	$ 9,092.67	
Totals	**136.1055**	**$ 21,424.74**		**$ 19,413.99**	**$ -**
Jan-18	170.7093	$ 35,693.87	$ 209.09	$ 10,389.59	
Feb-18	17.3226	$ 1,111.02	$ 64.14	$ 10,340.29	
Mar-18	22.9649	$ 1,023.04	$ 44.55	$ 10,357.35	
Apr-18	30.2635	$ 2,777.85	$ 91.79	$ 10,351.66	
May-18	23.90025	$ 1,237.14	$ 51.76	$ 10,195.24	
Jun-18	4.019782	$ 152.20	$ 37.86	$ 2,658.52	
Jul-18	7.2186	$ 1,358.97	$ 188.26	$ 9,987.19	
Aug-18	32.5983	$ 4,644.67	$ 142.48	$ 9,948.92	
Sep-18	28.035	$ 8,010.67	$ 285.74	$ 9,950.79	
Oct-18	16.1268	$ 1,252.15	$ 77.64	$ 10,059.07	
Nov-18	71.9381	$ 7,428.12	$ 103.26	$ 10,197.23	
Dec-18	24.4723	$ 1,966.62	$ 80.36	$ 10,176.69	
Totals	**449.5694**	**$ 66,656.31**		**$ 114,612.54**	**$ -**
Jan-19	24.5957	$ 2,167.03	$ 88.11	$ 1,082.83	$ -
Feb-19	7.2893	$ 510.75	$ 70.07	$ 10,223.36	$ -
Mar-19	14.8769	$ 1,114.59	$ 74.92	$ 10,240.17	$ -
Apr-19	14.4708	$ 591.80	$ 40.90	$ 10,193.49	$ -
May-19	10.1023	$ 326.08	$ 32.28	$ 10,116.01	$ -
Jun-19	12.2614	$ 446.15	$ 36.39	$ 10,129.90	$ 12,090.34
Jul-19	23.71552	$ 1,070.16	$ 45.13	$ 10,139.37	$ 12,041.80
Aug-19	17.8696	$ 559.16	$ 31.29	$ 10,134.63	$ 12,102.47
Sep-19	14.2038	$ 527.63	$ 37.15	$ 10,181.94	$ 12,022.09
Oct-19	32.4299	$ 1,040.98	$ 32.10	$ 10,218.83	$ 11,787.02
Totals	**139.3853**	**$ 7,313.37**		**$ 82,441.70**	**$ 48,256.70**

Tangent Share				
	100%	90%	90%	
Month	Energy Charge Savings Service Fee	Transmission Charge Savings Service Fee	Capacity Charge Savings Service Fee	Total
Oct-17	$ 8.72	$ -	$ -	$ 8.72
Nov-17	$ 905.77	$ 9,289.19	$ -	$ 10,194.96
Dec-17	$ 20,510.26	$ 8,183.40	$ -	$ 28,693.66
Totals	**$ 21,424.75**	**$ 17,472.59**	**$ -**	**$ 38,897.34**
Jan-18	$ 35,693.87	$ 9,350.63	$ -	$ 45,044.50
Feb-18	$ 1,111.02	$ 9,306.26	$ -	$ 10,417.28
Mar-18	$ 1,023.04	$ 9,321.62	$ -	$ 10,344.66
Apr-18	$ 2,777.85	$ 9,316.50	$ -	$ 12,094.35
May-18	$ 1,237.14	$ 9,175.71	$ -	$ 10,412.85
Jun-18	$ 152.20	$ 2,392.67	$ -	$ 2,544.87
Jul-18	$ 1,358.97	$ 8,988.48	$ -	$ 10,347.45
Aug-18	$ 4,644.67	$ 8,954.03	$ -	$ 13,598.70
Sep-18	$ 8,010.67	$ 8,955.71	$ -	$ 16,966.38
Oct-18	$ 1,252.15	$ 9,053.16	$ -	$ 10,305.31
Nov-18	$ 7,428.12	$ 9,177.50	$ -	$ 16,605.62
Dec-18	$ 1,966.62	$ 9,159.02	$ -	$ 11,125.64
Totals	**$ 66,656.32**	**$ 103,151.29**	**$ -**	**$ 169,807.61**
Jan-19	$ 2,167.03	$ 974.54	$ -	$ 3,141.57
Feb-19	$ 510.75	$ 9,201.03	$ -	$ 9,711.78
Mar-19	$ 1,114.59	$ 9,216.15	$ -	$ 10,330.74
Apr-19	$ 591.80	$ 9,174.14	$ -	$ 9,765.94
May-19	$ 326.08	$ 9,104.41	$ -	$ 9,430.49
Jun-19	$ 446.15	$ 9,116.91	$ 10,881.30	$ 20,444.36
Jul-19	$ 1,070.16	$ 9,125.43	$ 10,837.62	$ 21,033.21
Aug-19	$ 559.16	$ 9,121.17	$ 10,892.22	$ 20,572.55
Sep-19	$ 527.63	$ 9,163.74	$ 10,819.88	$ 20,511.25
Oct-19	$ 1,040.98	$ 9,196.95	$ 10,608.31	$ 20,846.24
Totals	**$ 7,313.35**	**$ 74,197.52**	**$ 43,431.02**	**$ 124,941.89**

1-3. Please update Table 1-MRK on page 1 of Mr. Kirkwood's testimony to include the following for each source of supply listed:

a. Beginning and end dates of contract.
b. Price per kWh in 2020.
c. Expected kWh deliveries from contract in 2020.

Response by Michael R. Kirkwood:
Please see table below which includes the requested data.

Source	Percent	Type	Start Date	End Date	2020 $/kWh	kWh expected
Brown Bear	3%	Hydro	06/01/2016	05/31/2021	.05144	1,496,000
Spruce Mountain	3%	Wind	06/30/2011	12/20/2026	.08925	1,638,000
Canton Wind	2%	Wind	01/01/2018	12/31/2037	.09250	1,254,000
NYPA-St. Lawrence	Total-	Hydro	05/01/2017	04/30/2032	Total NYPA	Total NYPA
NYPA-Niagara	13%	Hydro	09/01/2007	09/01/2025	.03799 *	* 7,661,000
Seabrook	18%	Nuclear	Life of unit	Life of unit	.02979	10,575,000
NextEra Hedge	7%	Nuclear based	01/01/2020	12/31/2029	.04087	4,392,000
NextEra RISE	10%	Virtual gas	06/01/2013	05/31/2023	.05957	5,856,000
Dynegy Hedge	15%	Mostly fossil	01/01/2020	12/31/2020	.04178	8,784,000
PSEG Load Follow	29%	Mostly fossil	01/01/2018	12/31/2020	.04575	18,538,000

* NYPA $/KWh and kWh are shown as the totals of St. Lawrence and Niagara, which is how they are aggregated by ENE.

1-4 Ms. Round states on page 6 of 10 of her testimony that Transition expenses in 2020 is expected to be zero. Does Pascoag envision removing this line item from the bill in 2021 after the 2019 under collection is eliminated or does the company anticipated incurring transition expenses in in the future?

Response by Harle J. Round:
The required payments under the PSAs and PPAs, exclusive of the Reserve and Contingency Fund Billing, to MMWEC will end as of December 31, 2019. The Pascoag Utility District does not anticipate incurring any further transition expense in the future. The Transition line item will be removed as a line item on the bill in January of 2021.

1-5 Exhibit HJR7.3 presents 2019 sales pf 54,567 MWH. Exhibit HJR 8.4 presents 2019 purchases of 59,780 MWH.

a. What is Pascoag's Line Loss percentage?

b. Is the difference of 5,213 MWH between sales and purchases solely due to line losses? IF not explain the difference.

Response by Harle J. Round:

a. Pascoag's line losses are 8.06% and can be seen in Schedule A-3 which is attached with this filing.

b. The line losses are solely due to line losses. The sales to customers is 54,567 MWH plus the Street light MWH of 396 MWH brings the total sales to 54,963. The total loss was 4,817 MWH.

Pascoag Utility District - Electric Department

Summary of Revenue and Expenses

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total	
	New Rates									Estimate	Estimate	Estimate		
	Pro-Rated	Pro-Rated												
Energy Sales to Consumers:														
Kwhrs sold (1)	4,752,497	4,866,483	4,421,650	4,157,186	3,833,865	4,085,746	4,621,799	5,722,865	4,946,343	4,287,000	4,207,000	4,665,000	54,567,434	
Current Cost Recovery(kWhr sales*rate)														
Transition	$3,404.08	$7,482	$7,119	$6,693	$6,172	$6,578	$7,441	$9,214	$7,964	$6,902	$6,773	$7,511	$83,252.69	
Standard Offer	$346,936.59	$377,420	$344,579	$323,970	$298,772	$318,401	$360,175	$445,987	$385,469	$334,086	$327,852	$363,543	$4,227,188.74	
Transmission	$143,605.94	$154,426	$140,874	$132,448	$122,147	$130,171	$147,250	$182,332	$157,590	$136,584	$97,544	$148,627	$1,693,598.84	
Total	$493,946.61	$539,328	$492,572	$463,111	$427,091	$455,150	$514,865	$637,533	$551,023	$477,572	$432,168	$519,681	$6,004,040.27	
											Revenue Proof:		$6,004,040.27	
Over/(Under) Recovery Reconciliation														
	$ (47,677.74)	$ 15,668.15	$ (14,363.91)	$ 3,525.29	$ (25,921.22)	$ 23,358.88	$ (6,497.90)	$ 158,578.57	$ 90,602.18	$ 47,447.36	$ 152,296.48	$ 8,044.53	$ 405,060.68	(C1, Line 190F)
Purchased Energy: (kWhrs)													Total	
NYPA	1,023,000	998,000	1,104,000	1,119,000	1,227,000	996,000	873,000	1,066,000	846,411	902,000	873,000	902,000	11,929,411	
Seabrook	990,665	894,542	989,752	959,941	991,527	958,725	989,770	988,825	954,731	973,000	940,000	973,000	11,604,478	
Brown Bear Hydro Group	152,119	155,975	172,812	180,370	213,070	151,631	95,548	53,282	41,260	74,000	95,000	146,000	1,531,067	
Spruce Mnt	163,320	162,710	165,257	131,103	110,196	94,265	78,119	88,019	128,468	153,000	170,000	158,000	1,602,457	
Spruce Mnt REC Sales										0			0	
Canton Mntn Wind	143,326	132,727	146,110	119,860	78,326	74,595	69,309	57,148	61,306	122,000	126,000	148,000	1,278,707	
PSEG Energy	1,921,944	1,600,216	1,486,912	758,174	893,063	1,471,131	2,653,677	2,431,934	1,247,617	1,317,000	1,553,000	2,271,000	19,605,668	
NextEra Energy	1,240,000	1,120,000	1,239,000	1,200,000	1,240,000	1,200,000	1,240,000	1,240,000	1,200,000	1,240,000	1,201,000	1,240,000	14,600,000	
NextEra Mthly Fixed													0	
NextEra UCAP													0	
ISO Interchange													0	
PSEG Settlement	0	0	0	0	0	0	0	0	0	0	0	0	0	
ISO Weekly Activity	(269,590)	(303,577)	(445,257)	(253,973)	(490,662)	(160,405)	(10,252)	(77,474)	(36,269)	(87,000)	(109,000)	(268,000)	(2,511,459)	
ISO Annual Fee													0	
Constant Energy Capital	24,596	7,289	14,877	14,471	10,102	12,261	23,716	17,870	14,204	0	0	0	139,386	
Net Meter Customers												0	0	
Total Purchased Kwhrs	5,389,380	4,767,882	4,873,463	4,228,946	4,272,622	4,798,203	6,012,887	5,865,604	4,457,728	4,694,000	4,849,000	5,570,000	59,779,715	(A1, Line 21)
											Kwhr Proof:		59,779,715	
Energy Sales to Consumers: (kWhrs)														
Sales	4,752,497	4,866,483	4,421,650	4,157,186	3,833,865	4,085,746	4,621,799	5,722,865	4,946,343	4,287,000	4,207,000	4,665,000	54,567,434	
Street lights	41,933	33,727	34,825	29,448	26,841	24,720	25,756	29,484	26,646	39,867	40,114	42,110	395,471	
Total Kwhr Sales	4,794,430	4,900,210	4,456,475	4,186,634	3,860,706	4,110,466	4,647,555	5,752,349	4,972,989	4,326,867	4,247,114	4,707,110	54,962,905	
											Kwhr Proof:		54,962,905	
System Kwhr losses	594,950	(132,328)	416,988	42,312	411,916	687,737	1,365,332	113,255	(515,261)	367,133	601,886	862,890	4,816,810	
Percent Line Losses	11.04%	-2.78%	8.56%	1.00%	9.64%	14.33%	22.71%	1.93%	-11.56%	7.82%	12.41%	15.49%	8.06%	

(1) See Schedule B for Sales to Customers