



**PASCOAG**  
UTILITY DISTRICT

Pascoag Electric • Pascoag Water

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September 17, 2021

Rhode Island Public Utilities Commission  
Ms. Luly Massaro  
Commission Clerk  
89 Jefferson Blvd.  
Warwick, RI 02888

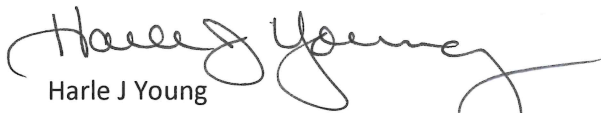
Re: RIPUC Docket No. 5134  
Division's Fourth Data Request

Dear Ms. Massaro:

On behalf of Pascoag Utility District Electric Department (Pascoag or the District), we herewith file an original and nine copies of Pascoag's responses to Division's Fourth Set of Data Requests.

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

Very truly yours,

  
Harle J Young  
Manager of Finance and Customer Service

Service list

**STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION**

**IN RE: PASCOAG UTILITY DISTRICT : DOCKET NO. 5134  
APPLICATION TO CHANGE RATES :**

**Fourth Set of Data Requests of the  
Division of Public Utilities and Carriers to  
Pascoag Utility District**

DIV 4-1 Concerning Pascoag's largest customer, Daniele Prosciutto, Inc. ("DPI" or "Daniele"):

- a. For the test year, in what customer class and under which rate(s), did DPI take service?
- b. In what customer class and under which rate(s) is DPI classified under in Pascoag's proposed rate design?
- c. Based on your answer to part b, are there any other customers besides DPI in that customer class or who take service under the same rate as DPI? If so, how much of the KWH Usage and KW Demand belongs to DPI? How much of the KWH usage and KW Demand in that rate is for customers other than DPI?

**Response:**

- a) DPI (Accounts 10524001 & 10524003) along with the retail store GIO INTERNATIONAL FOODS INC (Account 10686001) are classified under the "LARGE COMMERCIAL AND INDUSTRIAL RATE" from the current tariff RIPUC No. 409.
- b) The DPI (Accounts 10524001 & 10524003) will be classified under the proposed "General Service >200 KW" rate and the retail store GIO INTERNATIONAL FOODS INC (Account 10686001) will be classified under the "General Service <200 KW" rate.
- c) In Addition to the two DPI accounts, in the "General Service >200 KW" rate, there are also accounts for Burrillville School District, DBA Algonquin Gas Trans Co., GS Inc. and Zambarano Hospital. The Attachment to DIV 4-1c details KWH Usage and KW Demand breakdown among the "General Service >200 KW" rate class.

Witness Responsible: David G. Bebyn, CPA

	Burrillville School District 10416004		Danielle International INC 10524001		Danielle International INC 10524003		DBA Algonquin Gas Trans Co 13637001		GS Inc. 14045001		Zambarano Hospital 13010001	
	KW	KWH	KW	KWH	KW	KWH	KW	KWH	KW	KWH	KW	KWH
Jan-19	342	102,320	626.4	187,920	477.6	166,640	367.68	109,920	294	33,600	328	164,000
Feb-19	342	108,640	626.4	199,440	477.6	174,160	367.68	134,160	294	40,560	480	179,200
Mar-19	342	102,640	626.4	181,440	477.6	154,640	394.44	122,460	299.64	44,160	480	164,800
Apr-19	342	100,160	626.4	183,600	477.6	146,240	394.44	116,160	309.84	40,440	480	160,000
May-19	342	90,320	626.4	206,640	477.6	156,080	394.44	95,400	309.84	41,400	480	152,000
Jun-19	342	93,840	626.4	255,600	477.6	171,120	394.44	97,860	309.84	43,440	480	142,400
Jul-19	342	67,920	534.24	213,120	444.8	154,960	394.44	85,680	315.72	39,120	592	138,400
Aug-19	342	62,960	574.56	286,560	422.96	223,840	394.44	127,920	341.04	50,880	288	188,000
Sep-19	342	58,720	586.08	257,760	422.96	204,400	394.44	112,980	341.04	47,160	292	160,000
Oct-19	342	76,640	586.08	229,680	422.96	171,120	394.44	94,620	341.04	39,120	296	140,000
Nov-19	342	90,960	586.08	238,320	422.96	177,440	394.44	103,440	341.04	39,720	296	144,000
Dec-19	332.4	104,240	586.08	203,040	422.96	135,040	394.44	113,280	341.04	40,800	296	152,000
	4094.4	1,059,360	7211.52	2,643,120	5425.2	2,035,680	4679.76	1,313,880	3838.08	500,400	4788	1,884,800

72

	Total KW	Total kWh
YE 12/2019	30,036.96	9,437,240
DPI	12,636.72	4,678,800
NON DPI	17,400.24	4,758,440
	<u>30,036.96</u>	<u>9,437,240</u>

**STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION**

**IN RE: PASCOAG UTILITY DISTRICT : DOCKET NO. 5134**  
**APPLICATION TO CHANGE RATES :**

**Fourth Set of Data Requests of the  
Division of Public Utilities and Carriers to  
Pascoag Utility District**

DIV 4-2 Please show in detail and explain the following information:

- a. How is DPI incorporated into the rate design for the Rate Year at Current Rates?
- b. How is DPI incorporated into the rate design for the Rate Year at Proposed Rates?
- c. How much of the Test Year revenue is from DPI?
- d. How much of the Rate Year revenue at Current Rates is from DPI?
- e. How much of the Rate Year revenue at Proposed Rates is from DPI?
- f. What billing determinants were used to develop the Rate Year revenue at Current Rates for DPI? Please show each billing determinant and how it was applied to derive revenue at Current Rates from DPI.
- g. What billing determinants were used to develop the Rate Year revenue at Proposed Rates for DPI? Please show each billing determinant and how it was applied to derive revenue at Proposed Rates from DPI.

**Response:**

- a) DPI (Accounts 10524001 & 10524003) is classified under the “LARGE COMMERCIAL AND INDUSTRIAL RATE” from the current tariff RIPUC No. 409. Unlike PUD prior rate filing, there is no expectation for DPI to leave the PUD service area and as a result, the DPI usage and KW Demand like the other ratepayers, were left at the adjusted Test Year levels.
- b) The DPI (Accounts 10524001 & 10524003) were classified under the proposed “General Service >200 KW” rate due to their KW Demand patterns.
- c) Please see the attachment to DIV 4-2c.
- d) Please see the attachment to DIV 4-2d.
- e) Please see the attachment to DIV 4-2e.

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- f) Please see the attachment to DIV 4-2d.
- g) Please see the attachment to DIV 4-2e.

Witness Responsible: David G. Bebyn, CPA

Detail of Revenues by Source, Tariff & Rate Class Attachment DIV 4-2c

Pascoag Electric Division

Test Year  
Industrial DPI Accounts 10524001 & 10524003 only  
Revenue

Kw	12,637
Kwhrs	4,678,800
Count	2

Rates

Transmission	\$	0.03687
Transition	\$	-
Standard Offer	\$	0.06273
PPRFC	\$	(0.00129)

Demand/Distribution	\$	10.25000
Customer Chg	\$	112.75
Street Lighting	\$	-
power Flr	\$	(0.00042)

Revenue

Transmission	\$	172,507
Transition	\$	-
Standard Offer	\$	293,501
PPRFC	\$	(6,036)

Demand/Distribution	\$	129,526
Customer Chg	\$	2,706
Street Lighting	\$	-
power Flr	\$	(1,947)
Year-end accrual	\$	-
	\$	<u>590,258</u>

Detail of Revenues by Source, Tariff & Rate Class Attachment DIV 4-2d

Pascoag Electric Division

Rate Year at Current Rates

Industrial DPI Accounts 10524001 & 10524003 only

Revenue

Kw	12,637
Kwhrs	4,678,800
Count	2

Rates

Transmission	\$	0.03687
Transition	\$	-
Standard Offer	\$	0.06273
PPRFC	\$	(0.00129)

Demand/Distribution	\$	10.25000
Customer Chg	\$	112.75
Street Lighting	\$	-
power Flr	\$	(0.00042)

Revenue

Transmission	\$	172,507
Transition	\$	-
Standard Offer	\$	293,501
PPRFC	\$	(6,036)

Demand/Distribution	\$	129,526
Customer Chg	\$	2,706
Street Lighting	\$	-
power Flr	\$	(1,947)
Year-end accrual	\$	-
	\$	<u>590,258</u>

Detail of Revenues by Source, Tariff & Rate Class Attachment DIV 4-2e

Pascoag Electric Division

Rate Year at Proposed Rates

Industrial DPI Accounts 10524001 & 10524003 only

Revenue

Kw	12,637
Kwhrs	4,678,800
Count	2

Rates

Transmission	\$	0.03687
Transition	\$	-
Standard Offer	\$	0.06273
PPRFC	\$	(0.00129)

Demand/Distribution	\$	14.11111
Customer Chg	\$	95.00
Street Lighting	\$	-
power Flr	\$	(0.00042)

Revenue

Transmission	\$	172,507
Transition	\$	-
Standard Offer	\$	293,501
PPRFC	\$	(6,036)

Demand/Distribution	\$	178,318
Customer Chg	\$	2,280
Street Lighting	\$	-
power Flr	\$	(1,947)
Year-end accrual	\$	-
	\$	<u>638,624</u>



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DIV 4-3 In order to retain DPI as a customer on Pascoag's system, has Pascoag considered or evaluated whether a special contract with its largest customer could be beneficial? If not, explain fully why not. If so, please identify and provide the analysis.

**Response:**

Not at this time. Based on information received from the town of Burrillville during our last rate case in 2012/2013, we fully expected DPI to close its Pascoag facilities and we were frequently attempting to contact DPI over the years to ascertain their plans. DPI, likely for competitive reasons, was not forthcoming about the status of the Pascoag facilities. We have been pleasantly surprised to see that DPI has kept all three Pascoag facilities in operation and invested in capital improvements. Although the nature of their operations has changed in Pascoag, the kW and kWh sales seem to have stabilized. Since DPI has not been forthright about its plans, PUD has not had an inclination to approach them with the potential for a special contract. However, we are very pleased that their business has been robust, and their need for the Pascoag facilities continues. There has even been some speculation that they are considering an expansion to the Pascoag plant because of their growing business, and Pascoag stands ready to provide them with stellar service if that comes to fruition.

Witness responsible: Michael Kirkwood

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DIV 4-4 Pascoag's response to DIV 1-34 shows billings for DPI under three accounts. Is the billing for electric service that is done by Pascoag to DPI for all three accounts done under the same rates? If different rates are applicable to the three DPI accounts, please identify the specific Pascoag rates that apply to each of the three DPI accounts.

**Response:**

Please see the response to DIV 4-1a and DIV 4-1b

Witness Responsible: David G. Bebyn, CPA

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DIV 4-5      Were any of the amounts in Pascoag's response to DIV 1-34 used in developing the proposed rate design for Pascoag? If so, which ones? Please provide supporting calculations and documentation showing where the usage and revenue amounts listed in the response to DIV 1-34 are being utilized in the Pascoag proposed rate design.

**Response:**

Yes. The Test Year and Rate Year were set with Calendar 2019 usage. The first two tabs of the excel file attached to the DIV 1-34 response present the KWH Usage and KW Demand used for the proposed rate design. The attachments to DIV 4-1c and DIV 4-2 detail the usage and revenue amounts being utilized.

Witness Responsible: David G. Bebyn, CPA

**STATE OF RHODE ISLAND  
PUBLIC UTILITIES COMMISSION**

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DIV 4-6 Refer to Schedule DGB-RY-1, Schedule DGB-RY-2, and Schedule DGB-RD-6. Please explain the following discrepancies. Identify, quantify and explain each reconciling different. Please provide any calculations that support the reconciliations in Excel.

<u>Description</u>	<u>Schedule DGB-RD-6 Amount</u>	<u>Schedule DGB-RY-2 Amount</u>	<u>Difference (\$)</u>	<u>Difference (%)</u>
Total Other Revenue	\$ 110,502	\$ 107,364	\$ 3,138	2.92%
Rate Year Revenue at Current Rates	\$ 2,735,702	\$ 2,752,671	\$ (16,969)	-0.62%

**Response:**

Regarding the Total Other Revenue, the RD-6 schedule did not report the correct amounts of \$107,364 as reported on Schedule DGB-RY-2. This error only impacts Schedule DGB-RD-6 and has no impact on the revenue requirement or the calculation of rates. The discrepancy between Schedule DGB-RY-2 and Schedule DGB-RD-6 appears to result from an underreporting of the Streetlight counts from the Rate Design Schedules. The error seems to have occurred by taking only the counts from PUD's billing system. The billing system runs bills for the Harrisville public street lights along with both the Pascoag and Harrisville private street lights. The Pascoag public street lights are billed manually and the monthly revenue runs approximately \$1,500. The annual amount of this revenue would be around \$18,000, which appears to be the discrepancy between Schedule DGB-RY-2 and Schedule DGB-RD-6. While this error in the count will have no impact on the revenue requirement but will impact the rates. Attached to this response are the Rate Design schedules, which have been rerun to correct the total street lighting count. This does have a slight impact to the COS model on the cost centers to reflect the additional energy use allocation for the additional lighting counts. Please see the attachment to DIV 4-6.

Witness responsible: Harle Young and David G. Bebyn, CPA

**January 2021 Street Lights**

PRIVATE STREET LIGHTING - PASCOAG AND HARRISVILLE		HARRISVILLE PUBLIC		Total Per Billing System Count
Count	KWHRS	Count	KWHRS	
12	175w mercury			12
44	50w sodium	0	50w sodium	44
10	70w sodium			10
4	100W Sodium	0	100 watt sodium	4
8	150 sodium	0	150 watt sodium	8
49	250w sodium			49
30	400w sodium	1	400 watt sodium	31
288	25 LED	198	25w LED	486
40	50 LED	44	50w LED	84
72	120 LED Flood	6	120 LED Floods	78
47	240 LED Flood	2	240 LED Floods	49
<u>14</u>	<u>73 W Decorative LED</u>	<u>3</u>	<u>73 W Decorative LED</u>	<u>17</u>
618	TOTAL	254	TOTAL	872

**Manual Street Light Billing**

Pascoag Public	Unit	Monthly Billing
0	175w mercury	\$ -
0	50w sodiums	\$ 4.58
0	70 w sodiums	\$ 5.20
0	100w sodium	\$ 6.37
0	150w sodium	\$ 8.13
0	250w sodium	\$ 10.96
0	400w sodium	\$ -
334	25w LED**	\$ 958.58
106	50w LED**	\$ 393.26
5	120 LED Floods	\$ 40.65
0	240 LED Flood	\$ -
<u>22</u>	<u>73 W Dec Led</u>	<u>\$ 188.98</u>
<u>467</u>	<u>TOTAL</u>	<u>\$ 1,581.47</u>

Total Per Billing System Count	Manual Street Light Billing Count	Total Count
12	0	12
44	0	44
10	0	10
4	0	4
8	0	8
49	0	49
31	0	31
486	334	820
84	106	190
78	5	83
49	0	49
17	22	39
<u>872</u>	<u>467</u>	<u>1339</u>

**EXPENSE ANALYSIS  
PASCOAG UTILITY DISTRICT**

ACCT. #	BUDGET ACCOUNT DESCRIPTION	ADJUSTED RATE YEAR		Production/ Purchase	Transmission	Demand/ Distribution	Street Lighting	Customer Service
<b>EXPENSES</b>								
<i>Operating Expense---Power Production</i>								
555.000	Purchased power	\$ -	P	\$ -	\$ -	\$ -	\$ -	\$ -
	Purchased power - Street Light	0	SL-P	0	0	(37,736)	37,736	0
555.500	Power supply expense	0	P	0	0	0	0	0
565.000	Transmission	0	P	0	0	0	0	0
<i>Total Operating Expense---Power Production</i>								
		0		0	0	(37,736)	37,736	0
<i>Operating Expense---Distribution</i>								
593.130	over/short inventory exp	2,964	D	0	0	2,964		0
580.000	Operation Supervisor	111,447	D	0	0	111,447	0	0
582.000	Operation supply & expense	89,335	DSL	0	0	80,402	8,934	0
586.000	O&M Meter expense	48,048	C	0	0	0	0	48,048
588.000	Misc distribution expense	3,634	D	0	0	3,634	0	0
<i>Total Operating Expense---Distribution</i>								
		255,428		0	0	198,447	8,934	48,048
<i>Operating Expense---Customer Service</i>								
675.000	Misc general	0	C	0	0	0	0	0
902.000	Customer meter reading	8,929	C	0	0	0	0	8,929
903.000	Customer record/collection	227,881	C	0	0	0	0	227,881
904.000	Uncollectible accounts	37,319	G	0	0	31,759	798	4,762
<i>Total Operating Expense---Customer Service</i>								
		274,129		0	0	31,759	798	241,572
<i>Operating Expense---Administrative</i>								
920.000	Admin general salaries	481,759	D	0	0	481,759		0
921.000	Office supplies and expense	68,638	G	0	0	58,412	1,468	8,758
921.010	Custodial expense	16,887	G	0	0	14,371	361	2,155
922.000	Admin expense transfer	(127,422)	A	0	0	(77,727)	(1,274)	(48,420)
921.030	Dues and memberships	11,492	G	0	0	9,780	246	1,466
923.000	Outside Service-legal	25,000	G	0	0	21,275	535	3,190
923.001	Outside Service-auditing	36,000	G	0	0	30,636	770	4,594
923.003	Outside Service-pension	10,043	Pr	0	0	8,380	201	1,463
923.004	Outside Service-consulting	15,881	G	0	0	13,515	340	2,026
923.005	Outside Service-computer/IT	109,480	G	0	0	93,169	2,342	13,970
928.000	Rate Case	28,667	G	0	0	24,396	613	3,658
923.006	GNEF	6,000	D	0	0	6,000	0	0
924.000	Property insurance	54,320	D	0	0	54,320	0	0
925.000	Benefits/injuries & damages	28,054	Pr	0	0	23,407	561	4,086
926.000	Benefits/Flex	0	Pr	0	0	0	0	0
926.020	Employee Benefits-health	236,144	Pr	0	0	197,028	4,723	34,393
926.030	Schools & seminars	38,392	G	0	0	32,672	821	4,899
926.040	Health Care - Others	16,465	G	0	0	14,012	352	2,101
926.005	DBP contributions	141,821	Pr	0	0	118,330	2,836	20,655
926.060	Employee benefits UHC-HRA	7,398	Pr	0	0	6,173	148	1,077
933.000	Transportation	(5,057)	G	0	0	(4,304)	(108)	(645)
999-9999	DB adjustment	0	G	0	0	0	0	0
<i>Total Operating Expense---Administrative</i>								
		1,199,962		0	0	1,125,602	14,934	59,426
<i>Maintenance Expense---Distribution System</i>								
585.000	Maint of street lights	1,500	SL	0	0	0	1,500	0
584.000	Underground expense	0	D	0	0	0	0	0
592.000	Maint of station expense	10,500	D	0	0	10,500	0	0
592.100	Maint of structures	8,000	D	0	0	8,000	0	0
593.000	Overhead line expense	451,252	D	0	0	451,252	0	0
593.010	Contracted OH expense	168,128	D	0	0	168,128	0	0
597.000	Maint of meters	2,000	D	0	0	2,000	0	0
<i>Total Maintenance Expense---Distribution System</i>								
		641,380		0	0	639,880	1,500	0
<i>Maintenance Expense---General</i>								
930.230	Hazardous waste	42	D	0	0	42	0	0
	Capitalized Labor	0	D	0	0	0	0	0
	Future capital	306,000	D	0	0	306,000	0	0
	Storm Contingency	20,000	D	0	0	20,000	0	0
935.000	Maint of plant	36,244	D	0	0	36,244	0	0
<i>Maintenance Expense---General</i>								
		362,286		0	0	362,286	0	0

**EXPENSE ANALYSIS**  
**PASCOAG UTILITY DISTRICT**

**Schedule DGB-COS-1**  
Page 2 of 2

ACCT. #	BUDGET ACCOUNT DESCRIPTION	ADJUSTED RATE YEAR		Production/ Purchase	Transmission	Demand/ Distribution	Street Lighting	Customer Service
<i>Taxes</i>								
408.000	Taxes - real estate	0	C	0	0		0	0
408.010	Taxes - employer FICA	102,592	Pr	0	0	85,598	2,052	14,942
408.020	Unemployment security	0	Pr	0	0	0	0	0
<i>Total Taxes</i>		102,592		0	0	85,598	2,052	14,942
<i>Depreciation</i>								
403.000	Depreciation	0	D	0	0	0	0	0
<i>Total Depreciation</i>								
<i>Other Deductions</i>								
428.000	Amortization of debt acq	0	D	0	0	0	0	0
505-4270	Interest on LTD	113,600	D	0	0	113,600	0	0
431.000	Other interest expense	10,867	D	0	0	10,867	0	0
<i>Total Other Deductions</i>		124,467		0	0	124,467	0	0
<i>Misc. General</i>								
930.100	General advertising	808	G	0	0	688	17	103
930.200	Safety expense	24,224	D	0	0	24,224	0	0
930.210	Misc. general expense	70,040	D	0	0	70,040	0	0
930.220	Donations	650	G	0	0	553	14	83
903.010	Billing expense	29,752	C	0	0	0	0	29,752
930.250	Transfers	0	C	0	0	0	0	0
<i>Total Misc General</i>		125,474		0	0	95,505	31	29,938
<b>TOTAL EXPENSES</b>		3,085,717	R	0	0	2,625,807	65,985	393,925
	Net Operating Income	46,286	R	0	0	36,103	1,389	8,794
	Power Factor Adjustment	(7,573)	R	0	0	(5,907)	(227)	(1,439)
	Total Other Revenue	107,364	R	0	0	83,744	3,221	20,399
	<b>NetRevenue Requirement</b>	\$ 3,032,212		\$ -	\$ -	\$ 2,584,073	\$ 64,380	\$ 383,759

**ALLOCATION FACTORS**  
**PASCOAG UTILITY DISTRICT**

**Schedule DGB-COS-2**

<b>DESCRIPTION</b>	<b>Allocator</b>	<b>Production/ Purchase</b>	<b>Transmission</b>	<b>Demand/ Distribution</b>	<b>Street Lighting</b>	<b>Customer Service</b>
Power Purchase	P	100%	0%	0%	0%	0%
Transmission	T	0%	100%	0%	0%	0%
Demand/Distribution	D	0%	0%	100%	0%	0%
Distribution SL Overhead	DSL	0%	0%	90%	10%	0%
Street light - Maintenance	SL	0%	0%	0%	100%	0%
Stree light - power	SL-P	This allocator recovers the amount of power used by and provides an offset to other electric customers				
Customer service	C	0%	0%	0%	0%	100%
General Allocator	G	0%	0%	85%	2%	13%
Payroll -Related	Pr	0%	0%	83%	2%	15%
Admin Transfer	A	0%	0%	61%	1%	38%
Revenue	R	0%	0%	78%	3%	19%



**Determination of Demand/Distribution &  
Customer Service Charges  
Pascoag Utility District**

**Schedule DGB-R**

**Demand/ Distribution Charges**

		Residential	Commercial	General Service MLCFR	General Service <200 KW	General Service >200 KW	
Billing Charges	CP-3	\$ 1,582,886	\$ 153,322	\$ 4,661	\$ 420,840	\$ 422,364	2,584,073 (A)
kWh Sales		\$ 1,582,886	\$ 153,322	\$ 2,330	\$ 210,420	\$ 422,363.80	
		32,414,464	3,321,658	29,089	8,729,450		
Rate per kWh		<u>\$ 0.04883</u>	<u>\$ 0.04616</u>	<u>\$ 0.08011</u>	<u>\$ 0.02410</u>		
kW Sales				\$ 2,330.45	\$ 210,420.08	\$ 422,363.80	
Rate per kW				<u>\$ 3.62</u>	<u>\$ 5.91</u>	<u>\$ 14.06</u>	

Annual kWh Sales	E-1	32,414,464	3,321,658	29,089	8,729,450	9,437,240	53,931,901
		60.10%	6.16%	0.05%	16.19%	17.50%	
Peak kWh Sales	CP-1	3,564,883	334,669	1,418	881,735	940,160	5,722,865
		62.29%	5.85%	0.02%	15.41%	16.43%	
Annual kW Sales	E-2			644	35,587	30,037	66,268
				1%	54%	45%	
Peak kW Load	CP-3	8,269.49	801.00	24.35	2,198.60	2,206.56	13,500.00
		61.26%	5.93%	0.18%	16.29%	16.34%	

**Customer Service Charges**

Annual Charge	\$ 383,759 (A)
Monthly Service Charge	\$ 31,980
No. of Weighted Meters	6,309
Rate per Weighted Meter	<u>\$ 5.07</u>

	Size	Weighting Factor	Service Charge	Rounded Service Charge
Residential (A)		1.00	\$ 5.07	\$ 5.00
Commercial (B)		2.50	\$ 12.67	\$ 12.75
General Service MLCFR		10.45	\$ 52.97	\$ 53.00
General Service <200 KW		10.45	\$ 52.97	\$ 53.00
General Service >200 KW		18.75	\$ 95.05	\$ 95.00

	Meter Count	Weighting Factor	Weighted Meters
Residential (A)	4281	1.00	4,281
Commercial (B)	532	2.50	1,330
General Service MLCFR	2	10.45	21
General Service <200 KW	54	10.45	564
General Service >200 KW	6	18.75	113
			<u>6,309</u>

(A) See Schedule DGB-COS-1

Determination of Street Lighting Charges  
Pascoago Utility District

## Schedule DGB-RD-2

**Monthly Lamp Maint. Cost**

Street Lighting Allocation	\$ 64,380	See Schedule DGB-COS-1
Annual Lamp Energy Revenue	37,736	See Schedule DGB-RD-2A
Annual Lamp Maint Revenue	<u>\$ 26,644</u>	
Annual Lamp Maint Revenue	\$ 26,644	
Annual LED Lamp Maint Revenue	24,303	See Schedule DGB-RD-2A
Annual Non LED Lamp Maint Revenue	<u>\$ 2,341</u>	
Monthly Lamp Maint Revenue	\$ 195.11	
No. of Lamps	158	See Schedule DGB-RD-2A
Monthly Rate per Lamp	<u>\$ 1.23</u>	*

**Total Street Lighting Charge**

<u>Lamp Wattage and Type</u>	<u>Monthly Lamp Energy Cost (\$)</u>	<u>Monthly Lamp Energy Cost (\$)</u>	<u>Monthly Lamp Rate (\$)</u>	<u>Annual Lamp Rate (\$)</u>
175 Watt Mercury	\$ 7.26	\$ 1.23 *	\$ 8.50	\$ 101.94
50 Watt Sodium	\$ 2.34	\$ 1.23 *	\$ 3.57	\$ 42.87
70 Watt Sodium	\$ 3.12	\$ 1.23 *	\$ 4.35	\$ 52.22
100 Watt Sodium	\$ 4.60	\$ 1.23 *	\$ 5.84	\$ 70.07
150 Watt Sodium	\$ 6.84	\$ 1.23 *	\$ 8.07	\$ 96.84
250 Watt Sodium	\$ 10.41	\$ 1.23 *	\$ 11.65	\$ 139.77
400 Watt Sodium	\$ 16.47	\$ 1.23 *	\$ 17.70	\$ 212.44
25W LED/ 2,188 Lumens	\$ 0.85	\$ 1.43 (a)	\$ 2.28	\$ 27.32
50W LED/ 3,956 Lumens	\$ 1.69	\$ 1.43 (a)	\$ 3.12	\$ 37.45
120W LED/ 11,730 Lumens	\$ 3.96	\$ 2.96 (a)	\$ 6.92	\$ 83.08
240W LED/ 22,797 Lumens	\$ 7.93	\$ 3.41 (a)	\$ 11.33	\$ 136.01
73W LED Decrotive with pole	\$ 2.41	\$ 4.39 (a)	\$ 6.80	\$ 81.58

(a) See DGB-RD-2a

Determination of Street Lighting Charges

Pascoag Utility District

Schedule DGB-RD-2 A

Monthly Lamp energy Cost

Lamp Wattage and Type	Lamp Op Watt	Monthly Op Hours	Monthly Energy Use (kWh)	Average Utility Energy COS (\$/kWh)	Monthly Lamp Energy Cost (\$)
175 Watt Mercury	205.00	360.25	74	\$ 0.09831	\$ 7.26
50 Watt Sodium	66.00	360.25	24	\$ 0.09831	\$ 2.34
70 Watt Sodium	88.00	360.25	32	\$ 0.09831	\$ 3.12
100 Watt Sodium	130.00	360.25	47	\$ 0.09831	\$ 4.60
150 Watt Sodium	193.00	360.25	70	\$ 0.09831	\$ 6.84
250 Watt Sodium	294.00	360.25	106	\$ 0.09831	\$ 10.41
400 Watt Sodium	465.00	360.25	168	\$ 0.09831	\$ 16.47
25W LED/ 2,188 Lumens	25.72	360.25	9	\$ 0.09167	\$ 0.85
50W LED/ 3,956 Lumens	51.30	360.25	18	\$ 0.09167	\$ 1.69
120W LED/ 11,730 Lumens	120.00	360.25	43	\$ 0.09167	\$ 3.96
240W LED/ 22,797 Lumens	240.00	360.25	86	\$ 0.09167	\$ 7.93
73W LED Decrotive with pole	73.00	360.25	26	\$ 0.09167	\$ 2.41

	Lamp Count	Monthly Energy Use (kWh)	Total Yearly Energy Use (kWh)	Monthly Lamp Energy Cost (\$)	Total Yearly Lamp Energy Revenue
175 Watt Mercury	12	74	10,635	\$ 7.26	\$ 1,045
50 Watt Sodium	44	24	12,554	\$ 2.34	\$ 1,234
70 Watt Sodium	10	32	3,804	\$ 3.12	\$ 374
100 Watt Sodium	4	47	2,248	\$ 4.60	\$ 221
150 Watt Sodium	8	70	6,675	\$ 6.84	\$ 656
250 Watt Sodium	49	106	62,277	\$ 10.41	\$ 6,122
400 Watt Sodium	31	168	62,316	\$ 16.47	\$ 6,126
25W LED/ 2,188 Lumens	820	9	91,174	\$ 0.85	\$ 8,358
50W LED/ 3,956 Lumens	190	18	42,136	\$ 1.69	\$ 3,863
120W LED/ 11,730 Lumens	83	43	43,057	\$ 3.96	\$ 3,947
240W LED/ 22,797 Lumens	49	86	50,838	\$ 7.93	\$ 4,660
73W LED Decrotive with pole	39	26	12,308	\$ 2.41	\$ 1,128
	<u>1,339</u>		<u>160,509</u>		<u>\$ 37,736</u>

Monthly led Lamp Maint Cost

		(a) Monthly Fixed Cost (\$)	
25W LED/ 2,188 Lumens	820	\$ 1.43	14,043
50W LED/ 3,956 Lumens	190	\$ 1.43	3,254
120W LED/ 11,730 Lumens	83	\$ 2.96	2,949
240W LED/ 22,797 Lumens	49	\$ 3.41	2,004
73W LED Decrotive with pole	39	\$ 4.39	2,053
	<u>1,181</u>		<u>24,303</u>

(a) these values were reduced to reflect higher counts

Non LED Lamp Maint Cost

175 Watt Mercury	12
50 Watt Sodium	44
70 Watt Sodium	10
100 Watt Sodium	4
150 Watt Sodium	8
250 Watt Sodium	49
400 Watt Sodium	31
	<u>158</u>

Comparison of Existing and Proposed Rates & Charges

## Pascoag Utility District

Schedule DGB-RD-3

Page 1 of 2

		Current	Proposed	% Increase
<b><u>Demand/Distribution Rates</u></b>				
Residential (A)	per kWh - all kWh	\$ 0.03922	\$ 0.04883	24.51%
Commercial (B)	per kWh - all kWh	\$ 0.04196	\$ 0.04616	10.01%
General Service <200 KW	All kW peak demand	\$ 10.25	\$ 5.91	-42.31%
	per kWh - all kWh	\$ -	\$ 0.02410	100.00%
Seasonal	All kW 75%	\$ 7.69		
General Service >200 KW	All kW peak demand	\$ 10.25	\$ 14.06	37.19%
	per kWh - all kWh	\$ -	\$ -	100.00%
General Service MLCFR	All kW peak demand	\$ 10.25	\$ 3.62	-64.70%
	per kWh - all kWh	\$ -	\$ 0.08011	100.00%
<b><u>Customer Charge</u></b>				
Residential (A)	Charge per month	\$ 6.00	\$ 5.00	-16.67%
Commercial (B)	Charge per month	\$ 15.00	\$ 12.75	-15.00%
General Service MLCFR	Charge per month	\$ 112.75	\$ 53.00	-52.99%
General Service <200 KW	Charge per month	\$ 112.75	\$ 53.00	-52.99%
General Service >200 KW	Charge per month	\$ 112.75	\$ 95.00	-15.74%
<b><u>Street Lighting</u></b>				
175 Watt Mercury	Charge per month	\$ 8.47	\$ 8.50	0.30%
50 Watt Sodium	Charge per month	\$ 4.58	\$ 3.57	-22.00%
70 Watt Sodium	Charge per month	\$ 5.20	\$ 4.35	-16.32%
100 Watt Sodium	Charge per month	\$ 6.37	\$ 5.84	-8.34%
150 Watt Sodium	Charge per month	\$ 8.13	\$ 8.07	-0.74%
250 Watt Sodium	Charge per month	\$ 10.96	\$ 11.65	6.27%
400 Watt Sodium	Charge per month	\$ 15.74	\$ 17.70	12.47%
25W LED/ 2,188 Lumens	Charge per month	\$ 2.87	\$ 2.28	-20.68%
50W LED/ 3,956 Lumens	Charge per month	\$ 3.71	\$ 3.12	-15.87%
120W LED/ 11,730 Lumens	Charge per month	\$ 8.13	\$ 6.92	-14.84%
240W LED/ 22,797 Lumens	Charge per month	\$ 12.73	\$ 11.33	-10.97%
73W LED Decroitive with pole	Charge per month	\$ 8.59	\$ 6.80	-20.85%

Comparison of Existing and Proposed Rates & Charges  
Pascoag Utility District

**Schedule DGB-RD-3**  
**Page 2 of 2**

	Current	Proposed	% Increase
<b><u>Pass through revenues</u></b>			
<b><u>Standard Offer --- Per Tariff (set by year end filing in December 2020 - Docket 5083)</u></b>			
Residential (A)	\$ 0.06273	\$ 0.06273	0.00%
Commercial (B)	\$ 0.06273	\$ 0.06273	0.00%
Large Commercial & Industrial (C & C-5)	\$ 0.06273	\$ 0.06273	0.00%
<b><u>Transition --- Per Tariff (set by year end filing in December 2020 - Docket 5083)</u></b>			
Residential (A)	\$ -	\$ -	0.00%
Commercial (B)	\$ -	\$ -	0.00%
Large Commercial & Industrial (C & C-5)	\$ -	\$ -	0.00%
<b><u>Transmission --- Per Tariff (set by year end filing in December 2020 - Docket 5083)</u></b>			
Residential (A)	\$ 0.03687	\$ 0.03687	0.00%
Commercial (B)	\$ 0.03687	\$ 0.03687	0.00%
Large Commercial & Industrial (C & C-5)	\$ 0.03687	\$ 0.03687	0.00%
<b><u>PPRFC --- Per Tariff (set by year end filing in December 2020 - Docket 5083)</u></b>			
Residential (A)	\$ (0.00129)	\$ (0.00129)	0.00%
Commercial (B)	\$ (0.00129)	\$ (0.00129)	0.00%
Large Commercial & Industrial (C & C-5)	\$ (0.00129)	\$ (0.00129)	0.00%
<b><u>Demand Side Management &amp; Efficiency --- Per Tariff (set by year end filing in December 2020 - Docket 5084)</u></b>			
Residential (A)	\$ 0.00230	\$ 0.00230	0.00%
Commercial (B)	\$ 0.00230	\$ 0.00230	0.00%
Large Commercial & Industrial (C & C-5)	\$ 0.00230	\$ 0.00230	0.00%

Impact of Proposed Rates

## Pascoag Utility District

**Schedule DGB-RD-4**

	Usage (kWh)	Usage (kW)	Current Revenue	Proposed Revenue	Dollar Increase	% Increase
<b>Residential (A)</b>						
	300		\$ 47.95	\$ 49.84	\$ 2	3.93%
	500		\$ 75.92	\$ 79.73	\$ 4	5.01%
	1000		\$ 145.84	\$ 154.45	\$ 9	5.91%
	2,000		\$ 285.68	\$ 303.91	\$ 18	6.38%
<b>Commercial (B)</b>						
	500		\$ 86.29	\$ 86.14	\$ (0)	-0.17%
	800		\$ 129.06	\$ 130.17	\$ 1	0.86%
	1000		\$ 157.58	\$ 159.53	\$ 2	1.24%
	3,000		\$ 442.74	\$ 453.08	\$ 10	2.34%
	5,000		\$ 727.90	\$ 746.64	\$ 19	2.57%
<b>General Service &lt;250 KW</b>						
	6,104	18	\$ 911.43	\$ 920.75	\$ 9	1.02%
	15,933	53	\$ 2,259.18	\$ 2,353.61	\$ 94	4.18%
	35,187	105	\$ 4,729.52	\$ 5,062.53	\$ 333	7.04%
<b>General Service &gt;250 KW</b>						
	165,000	350	\$ 20,302.55	\$ 21,618.81	\$ 1,316	6.48%
	220,000	620	\$ 28,604.15	\$ 30,949.51	\$ 2,345	8.20%

Percentage increase over TY Revenue (Including Fuel Revenue) 4.72%

Percentage increase over RY Revenue at Current Rates 13.78%

Proof of Revenues  
Pascoag Utility District

## Schedule DGB-RD-5

	Count or Usage	Current	Rate	Current Revenue	Proposed Revenue	Dollar Increase
<b><u>Demand/Distribution Rates</u></b>						
Residential (A) - per kWh	32,414,464	\$ 0.03922	\$ 0.04883	\$ 1,271,295	\$ 1,582,886	\$ 311,591
Commercial (B) - kWh	3,321,658	\$ 0.04196	\$ 0.04616	\$ 139,377	\$ 153,322	\$ 13,945
General Service MLCFR - per kWh	29,089	\$ -	\$ 0.08011	\$ -	\$ 2,330	\$ 2,330
General Service MLCFR - per kW	644	\$ 10.25	\$ 3.62	\$ 6,601	\$ 2,330	\$ (4,271)
General Service <200 KW - per kWh	8,729,450	\$ -	\$ 0.02410	\$ -	\$ 210,420	\$ 210,420
General Service <200 KW - per kW	35,587	\$ 10.25	\$ 5.91	\$ 364,771	\$ 210,420	\$ (154,351)
General Service >200 KW	30,037	\$ 10.25	\$ 14.06	\$ 307,879	\$ 422,364	\$ 114,485
				<u>\$ 2,089,923</u>	<u>\$ 2,584,073</u>	<u>\$ 494,150</u>
<b><u>Customer Charge (per month rate)</u></b>						
Residential (A)	51,372	\$ 6.00 #	\$ 5.00	\$ 308,232	\$ 256,860	\$ (51,372)
Commercial (B)	6,384	\$ 15.00 #	\$ 12.75	\$ 95,760	\$ 81,396	\$ (14,364)
General Service MLCFR - per kW	24	\$ 112.75	\$ 53.00	\$ 2,706	\$ 1,272	\$ (1,434)
General Service <200 KW - per kWh	648	\$ 112.75	\$ 53.00	\$ 73,062	\$ 34,344	\$ (38,718)
General Service >200 KW	72	\$ 112.75 #	\$ 95.00	\$ 8,118	\$ 6,840	\$ (1,278)
				<u>\$ 487,878</u>	<u>\$ 380,712</u>	<u>\$ (107,166)</u>
<b><u>Street Lighting (per month rate)</u></b>						
175 Watt Mercury	144	\$ 8.47 #	\$ 8.50	\$ 1,220	\$ 1,223	\$ 4
-	-	\$ -	\$ -	\$ -	\$ -	\$ -
50 Watt Sodium	528	\$ 4.58 #	\$ 3.57	\$ 2,418	\$ 1,886	\$ (532)
70 Watt Sodium	120	\$ 5.20 #	\$ 4.35	\$ 624	\$ 522	\$ (102)
100 Watt Sodium	48	\$ 6.37 #	\$ 5.84	\$ 306	\$ 280	\$ (25)
150 Watt Sodium	96	\$ 8.13 #	\$ 8.07	\$ 780	\$ 775	\$ (6)
250 Watt Sodium	588	\$ 10.96 #	\$ 11.65	\$ 6,444	\$ 6,849	\$ 404
400 Watt Sodium	372	\$ 15.74 #	\$ 17.70	\$ 5,855	\$ 6,586	\$ 730
25W LED/ 2,188 Lumens	9,840	\$ 2.87 #	\$ 2.28	\$ 28,241	\$ 22,401	\$ (5,840)
50W LED/ 3,956 Lumens	2,280	\$ 3.71 #	\$ 3.12	\$ 8,459	\$ 7,116	\$ (1,342)
120W LED/ 11,730 Lumens	996	\$ 8.13 #	\$ 6.92	\$ 8,097	\$ 6,896	\$ (1,202)
240W LED/ 22,797 Lumens	588	\$ 12.73 #	\$ 11.33	\$ 7,485	\$ 6,664	\$ (821)
73W LED Decroitive with pole	468	\$ 8.59 #	\$ 6.80	\$ 4,020	\$ 3,182	\$ (838)
				<u>\$ 73,950</u>	<u>\$ 64,380</u>	<u>\$ (9,571)</u>
Power Factor Adjustment				\$ (7,573)	\$ (7,573)	\$ -
Total Rates and Charges				\$ 2,644,178	\$ 3,021,591	\$ 377,414
Total Other Revenue (Schedule DGB-RY-2)				\$ 107,364	\$ 107,364	\$ -
TOTAL REVENUE				<u>\$ 2,751,542</u>	<u>\$ 3,128,955</u>	<u>\$ 377,414</u>
Revenue Required (Schedule DGB-RY-1)					3,132,003	
Variance					\$ (3,048)	-0.10%