



March 6, 2013

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

**Re: Docket No. 4392
Pascoag Utility District's Responses to Commission's First Set of Data
Request, Dated March 1, 2013**

Dear Ms. Massaro:

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

The District has also included the proposed LED Street Light Tariff Advise, which will impact RIPUC No 605 Public and Private Lighting Rates with the modification suggested by Division. This submission is made to Commission for their review and approval.

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

Very truly yours,

Harle Round
Customer Service Supervisor/DSM Coordinator

Cc: Ms Karen Lyons, Esquire
Cc: Mr. William Bernstein, Esquire



PASCOAG
UTILITY DISTRICT

PASCOAG UTILITY DISTRICT
LED STREET LIGHT TARIFF ADVICE

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DOCKET NO. 4392
March 6, 2013

PASCOAG UTILITY DISTRICT'S REPOSSES TO
COMMISSION'S FIRST SET OF DATA REQUESTS
TO PASCOAG UTILITY DISTRICT
March 1, 2013

1. Please provide the number of customers within Pascoag Utility District (PUD), by Class.

Answer by: Harle Round

The District currently has a total of 4,588 customers made up of 4,005 residential customers, 520 commercial customers and 63 industrial customers. Please see the spreadsheet "Pascoag Utility District's Number of Customers by Class."

2. Please indicate the monthly impact of the LED street lighting tariff to customers, by class.

Answered by: Harle Round

The District is in the process of placing 26 LED Street lights into service in the village of Pascoag. The Impact to the customers in Pascoag will be a decrease of \$0.03 per customer per class. Please see the spread sheet "Village of Pascoag LED Street Light Impact".

In the village of Harrisville the District has placed 26 LED Street lights into service. The Street lights in the village of Harrisville are billed to the Harrisville Fire District; they will see a decrease of \$60.01 per month or \$720.12 per year. Please see the spreadsheet "Harrisville Fire District's LED Street Light Bill Impact."

3. Please clarify the method by which the Pascoag Utility District will recover the LED street lighting costs from customers. Will it be included in the fixed charge currently billed to customers for street lighting or a separate line item?

Answered by: Harle Round

The District will recover the Led Street Light cost through the fixed charges currently proposed in the LED Street Light Advisory Tariff. If the program proves to be successful the District will seek permission from Commission to use DSM funds to



PASCOAG
UTILITY DISTRICT

offset the cost of purchasing LED Street Lights in the future. The District feels this would be a highly visible efficiency project that would demonstrate the District's commitment to energy efficiency, climate change migration, and fiscal responsibility.

4. What is the effective date of this increase, if the Commission approves the PUD's request?

Answered by: Harle Round

The effective dates would be for the 1st of the month following the Commission's approval.

Pascoag Utility District's Number of Customer By Class

| Both Villages | | Impact of LED Street Light |
|--|---------------------|----------------------------|
| Class | Number of Customers | |
| Residential | 4005 | |
| Commercial | 520 | |
| Industrial | 63 | |
| | <u>4588</u> | |
| | | |
| Village of Pascoag only | | |
| Residential | 2539 | |
| Commercial | 348 | |
| Industrial | 39 | |
| | <u>2926</u> | |
| The Pascoag Customers will see a reduction of \$0.03 cents per month per customer; \$81.67 per month /\$980.04 per year. | | |
| | | |
| Village of Harrisville Only | | |
| Residential | 1466 | |
| Commercial | 172 | |
| Industrial | 24 | |
| | <u>1662</u> | |
| Harrisville Fire District will see a savings of \$60.01 per month/ \$720.12 per year. | | |

Village of Pascoag LED Street Light Impact

| Reconcile after COS Rates Approved For Pascoag | | | | Proposed Rates with LED Street Lights | | | |
|--|---------------------|------------|-------------------|--|---------------------|------------|----------------------|
| Quantity | Type | Unit | Extended | Quantity | Type | Unit | Extended |
| 24 | 100 HPS | \$6.40 | \$ 153.60 | 8 | 100 HPS | \$6.40 | \$51.20 |
| 31 | 150 HPS | \$8.16 | \$ 252.96 | 26 | 150 HPS | \$8.16 | \$212.16 |
| 3 | 250 HPS | 10.98 | \$ 32.94 | 3 | 250 HPS | \$10.98 | \$32.94 |
| 159 | 50 HPS | 4.61 | \$ 732.99 | 152 | 50 HPS | \$4.61 | \$700.72 |
| 201 | 70 HPS | 5.22 | \$1,049.22 | 201 | 70 HPS | \$5.22 | \$1,049.22 |
| | | | | 12 | 25W LED | \$2.87 | \$34.44 |
| | | | | 16 | 50W LED | \$3.71 | \$59.36 |
| 418 | Total | | \$2,221.71 | 418 | Total | | \$2,140.04 |
| Net Total | | | \$2,221.71 | | | | Total Savings |
| | | | | | | | \$ 81.67 per month |
| | | | | | | | \$ 980.04 per year |
| Pascoag Customers: | | | | Pascoag Customers: | | | |
| Cycle 20 | Residential | Commercial | Industrial | Cycle 20 | Residential | Commercial | Industrial |
| | 787 | 186 | 39 | | 787 | 186 | 39 |
| Cycle 3 | | | | Cycle 3 | | | |
| | 833 | 41 | | | 833 | 41 | |
| Cycle 4 | | | | Cycle 4 | | | |
| | 820 | 52 | | | 820 | 52 | |
| Cycle 5 | | | | Cycle 5 | | | |
| | 99 | | | | 99 | | |
| Cycle 16 | | | | Cycle 16 | | | |
| | 2539 | 348 | 39 | | 2539 | 348 | 39 |
| Pascoag only all classes | | | | Total Pascoag all classes | | | |
| | | | \$ 0.76 | | | | \$0.73 |
| Cost per Customer | | | | Cost per Customer | | | |
| Under Collection From Prior Year | | \$ 181.48 | | Under Collection From Prior Year | | \$ 181.48 | |
| Cost Per customer | | \$ 0.06 | | Cost Per customer | | \$ 0.07 | |
| Pro-rated over 10 months | | \$ 0.01 | \$ 0.01 | Pro-rated over 10 months | | \$ 0.01 | \$0.01 |
| Total Cost Per Pascoag customer | | | \$ 0.77 | Total Cost Per Pascoag customer | | | \$ 0.74 |
| Revenue Proof | | | | Revenue Proof | | | |
| 12 months S/L expense | \$ 26,660.52 | | | 12 months S/L expense | \$25,680.48 | | |
| Carry over form 2012 | 181.42 | | | Carry over form 2012 | 181.42 | | |
| | \$ 26,841.94 | | | | \$25,861.90 | | |
| Annual Revenue | \$ 26,660.52 | | | Annual Revenue | \$25,680.48 | | |
| True-up reconciliation | \$ 181.42 | | | True-up reconciliation | \$ 181.42 | | |
| | \$ 26,841.94 | | | | \$ 25,861.90 | | |
| 2539 Residential Customers/ 348 Commercial/ 39 Industrial | | | | 2539 Residential Customers/ 348 Commercial/ 39 Industrial | | | |
| The LED Street Light Impact will be a decrease of \$0.03 per customer per month. | | | | The LED Street Light Impact will be a decrease of \$0.03 per customer per month. | | | |

Harrisville Fire District LED Street Light Bill Impact

| Current Street Light Bill | | | Proposed Bill With LED Street Lights | | | |
|---------------------------|----------|-------------------|--------------------------------------|----------|-------------------|-------------|
| Size | Quantity | Street Light Rate | Total | Quantity | Street Light Rate | Total |
| 400 Watt Sodium | 3 | \$ 15.74 | \$ 47.22 | 3 | \$ 15.74 | \$ 47.22 |
| 250Watt Sodium | 4 | \$ 10.96 | \$ 43.84 | 4 | \$ 10.96 | \$ 43.84 |
| 150 Watt Sodium | 3 | \$ 8.13 | \$ 24.39 | 3 | \$ 8.13 | \$ 24.39 |
| 100 Watt Sodium | 30 | \$ 6.37 | \$ 191.10 | 19 | \$ 6.37 | \$ 121.03 |
| 70 Watt Sodium | 1 | \$ 5.20 | \$ 5.20 | 1 | \$ 5.20 | \$ 5.20 |
| 50 Watt Sodium | 209 | \$ 4.58 | \$ 957.22 | 192 | \$ 4.58 | \$ 879.36 |
| | 250 | | \$ 1,268.97 | 19 | \$ 2.87 | \$ 54.53 |
| | | | | 9 | \$ 3.71 | \$ 33.39 |
| | | | | 250 | | \$ 1,208.96 |

The impact with the LED Street Lights is a savings of \$60.01 per month/ \$720.12 per year.

PUBLIC AND PRIVATE LIGHTING RATE

| <u>Lamp Size</u> | <u>Monthly Rate</u> | <u>Annual Rate</u> |
|------------------------------|---------------------|--------------------|
| Mercury: | | |
| 175 Watt | \$8.47 | \$101.64 |
| Sodium: | | |
| 50 Watt | \$4.58 | \$54.96 |
| 70 Watt | \$5.20 | \$62.40 |
| 100 Watt | \$6.37 | \$76.44 |
| 150 Watt | \$8.13 | \$97.56 |
| 250 Watt | \$10.96 | \$131.52 |
| 400 Watt | \$15.74 | \$188.88 |
| LED: | | |
| <u>25W LED/2111 Lumens</u> | <u>\$2.87</u> | <u>\$34.44</u> |
| <u>50 W LED/ 3816 Lumens</u> | <u>\$3.71</u> | <u>\$44.52</u> |

The rates, as specified above, are applicable to all street lights within the Pascoag Utility District's Electric Department service territory for both public and private lights.

The rate for the 175 watt mercury vapor street light is applicable only to such lights currently in service, since such a fixture is no longer offered to PUD customers.

The total cost for public street lighting, in service in PUD's service territory within the Village of Harrisville, will be assessed to the Harrisville Fire District.

The total cost for public street lighting, in service in PUD's service territory within the Village of Pascoag, will be assessed to all classes of electric customers (within the village of Pascoag) equally. Rhode Island sales tax will be charged where applicable.

The methodology utilized to determine the amount billed monthly to the customers in the Village of Pascoag will be as follows:

Number of Public Street Lights multiplied by the applicable rate per light, as stated herein, divided by the number of customers.

In all cases, both Public and Private lighting assessments will include energy and maintenance.

The Pascoag Utility District will be responsible for the location, size, style and number of fixtures within the Village of Pascoag.

The Harrisville Fire District will be responsible for the location, size, style and number of fixtures within the Village of Harrisville.

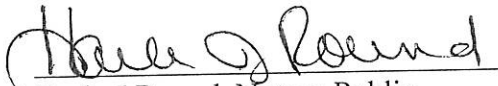
Filing Date: July 6, 2012

Effective Date:

Pascoag Utility District – LED Street Light Tariff Advice
 Service List updated 2/20/13

| Name/Address | E-mail | Phone |
|---|--|--------------|
| Michael R. Kirkwood, General Mgr./CEO Pascoag Utility District 253 Pascoag Main St. PO Box 107 Pascoag, RI 02859 | mkirkwood@pud-ri.org | 401-568-6222 |
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| William L. Bernstein, Esq. 627 Putnam Pike Greenville, RI 02828 | wlblaw@verizon.net | 401-949-2228 |
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I hereby certify that copy/copies of this LED Street Light Tariff Advice filing were served electronically on the individuals named in the above List of Recipients of Filing, this 6th day of March, 2013.


 Harle J Round, Notary Public
 My commission expires 7-10-2013