

**Pascoag Utility District**

**IN RE: PASCOAG UTILITY DISTRICT :  
REQUEST TO REALLOCATE FUNDS : DOCKET NO. 4297  
IN THE 2012 DEMAND SIDE :  
MANAGEMENT PROGRAM :**

**PASCOAG UTILITY DISTRICTS RESPONSES TO COMMISSION'S FIRST  
SET OF DATA REQUESTS  
TO PASCOAG UTILITY DISTRICT  
June 7, 2012**

1. Please advise whether all outstanding rebates have been processed and paid to customers under the Committed for 2011 Programs fund.

*Answer provided by Harle Round:*

*All the outstanding rebates have been processed and paid to the customers under the Committed for 2011 Program funds.*

2. Please advise the status of the Brothers of Sacred Heart Lighting Project.

*Answer provided by Harle Round:*

*Brother Fred from the Brothers of the Sacred Heart is ready to move forward with the lighting project. They would like to complete the lighting project by the end of June, but are waiting to make sure the funding is approved for the 60% rebate totaling \$23,997.*

3. With regard to the APPA Energy Efficiency Face book feeds, has the utility seen an increase in "friends" and/or inquiries about energy efficiencies and rebates?

*Answers provided by Harle Round:*

*The APPA Energy Efficiency Face book feeds have been a very helpful tool in getting our programs and tips out to the District's customers. We have a total of 117 people who like us and are direct fans but we are reaching the friends of these fans also; between May 14<sup>th</sup> and May 20<sup>th</sup> we reached 849 people on each day. Many of the customers make comments on our feeds and I have attached samples of this along with a graph showing the activity on our face book page; please see pages 4-7. The past month we have had a steady stream of rebates coming into the front office and many of them are downloading the application from our web site and commenting that the energy efficiency feeds on the Face book page are very helpful.*

4. With regard to the \$568 polo shirts for utility staff, is ENERGY STAR contributing any funds toward this purchase? Has the utility sought additional vendors to provide this item?

*Answers provide by Harle Round:*

*ENERGY STAR has provided us with 250 of each of the following items: 20<sup>th</sup> Anniversary Window Clings and 20<sup>th</sup> Anniversary Reusable Grocery Bags for the adults and Team ENERGY STAR Lorax brochures, stickers and buttons for the children. We will also have the ENERGY STAR Exhibit Home at the open house again this year free of charge.*

*I contacted Brittney Gordon at the EPA to see if they had polo shirts with the ENERGY STAR logo and she said they did not have any Polo shirts at this time, but she sent me the Learn More and Partner Marks so we could have shirts made if we wanted. They did not offer to contribute any funds toward this purchase. The District felt that the polo shirts with both logos would be another way to show the customers that we partner with ENERGY STAR, since most of the rebates that the District offers have to be*

*ENERGY STAR compliant to qualify. I have attached my email from Brittney Gordon dated March 27, 2012; please see pages 8-10.*

*Most of the vendors donate items for a raffle that takes place at the end of the open house. Customers purchase bracelets that allow them to enter into the raffles and participate in the activities. The funds that we raise from these donations will be given to Between the Cracks, which is a non-profit organization that helps families in need in the Burrillville area.*

*The District has not sought additional vendors to provide polo shirts to the District Staff, none of the other vendors are partners with Pascoag Utility District.*

5. Please advise the status of the pilot program for LED street lights.

*Answer provided by Harle Round:*

*The District has received one proposal for the Street Light Pilot Program from Prime Solutions Inc. I have attached a copy of their proposal for your review; please see pages 11-17. We are currently waiting for a proposal from New England Energy Management, Inc. Once we have both proposals the District will request a meeting with Division before we award the contact. Both companies are suggesting a rebuild kit that would utilize the existing cobra heads but replace the existing HPS internals with LED internals on the pole.*

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Energy/Utility  
Pascoag Utility District

117



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What's on your mind?

Pascoag Utility District - Official Page  
23 hours ago

Did you know?  
Ceiling fans cool people, but they don't actually lower the temperature of a room. To save electricity, remember to turn off ceiling fans (and lights!) before leaving a room.

Like · Comment · Share  
38 people reached · 32%

Pascoag Utility District - Official Page  
May 31

#### Recent Posts by Others

Pascoag Utility  
Customers who are without electricity are in the process of May 30 at 7:24pm

Pascoag Utility  
Save on energy costs by setting and maintaining the temp April 24 at 3:28pm

Pascoag Utility  
Thanks to Lisa Dupuis, Relayforlife Burrillville Gloucester, Pat March 29 at 6:27pm

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117  $\uparrow$  4.46%  
Friends of Fans  
25,310  $\uparrow$  6%  
People Talking About This  
Weekly Total Reach  
389  $\uparrow$  5.99%

Posts Weekly Total Reach?

849 People Reached  
5/14/12 - 5/20/12

May 14 May 21 May 26 Jun 4

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Done

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Write a comment...

**Pascoag Utility**  
 Try this today! Save electricity by running your bathroom vent fan for only 15 minutes after showering. If you're in the market for a new fan, consider an ENERGY STAR model. These vent fans use around 60 percent less energy than standard models. What ENERGY STAR appliances do you have in your home?  
 uk- Comment Share · March 16 at 9:05am · 4

**Kimberly LaBorde** I need to get a new fan I'm not even sure this one would like it should  
 March 16 at 10:50am · Unlike · 1

Pascoag Utility, we are rebating energy star bathroom fans-50% of the purchase, up to \$50.00. If you buy one that has an energy star label, keep your receipt and the packaging that shows the energy star label and you can fill out a form in the office to take advantage of the rebate. The amount gets credited to your electric bill. Hope this helps!  
 March 16 at 10:54am · Like

**Kimberly LaBorde** Thanks  
 March 16 at 10:58am · Like

Write a comment...

The Providence Journal added a new photo.

Shayna Cook likes Corey Simpson's status.

Kelsey Zaricznyz Miss Abella, is having a full blown tantrum on the floor screaming, crying and kicking... — with Amber Cherlin Ebeling.

Roxanne Glaude likes Happy Happy Happy's photo.

WPTI.com McKay is putting his front door in the woods & not fixed

Loading...

Internet 100%

Page 1 of 1 Words: 0

Start

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**Pascoag Utility District - Official Page**  
May 14

All Pascoag utility circuits have been restored. If you still do not have power please call 401-568-6222. Thanks for everyone's patience!

Like · Comment · Share

Jennifer Charter Thompson and 5 others like this.

Patty Russell - Fleming Thank you for the quick work and keeping us informed!  
May 14 at 1:56pm · Unlike · 3

Nicole Lynde You guys are awesome!  
May 14 at 1:57pm via mobile · Unlike · 3

Tara Borpes Thank you!!  
May 14 at 1:58pm · Unlike · 2

Pascoag Utility District - Official Page You're very welcome!  
May 14 at 1:58pm · Like · 2

Adrienne Gonzalez Harris Thanks! :)  
May 14 at 2:08pm · Unlike · 2

...  
154 people reached · 46%

Live · Comment · Share

Libiana V. Debin Thank you for the update on a power outage yesterday. Your website is very informative  
May 15 at 8:00am via mobile · Unlike · 1

Write a comment...

61 people reached · 45%

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Internet | Documents | Pascoag Utility District | 10:58 AM

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**RE: 2012 Change The World, Start with ENERGY STAR Campaign**

Brittney Gordon [Gordon.Brittney@epamail.epa.gov]

**Sent:** Tuesday, March 27, 2012 11:34 AM

**To:** Harle Round

**Attachments:**ENE\_LM\_c\_h.jpg (89 KB) ; ENE\_LM\_c\_v.jpg (86 KB) ; ENE\_prt\_h\_b\_p.jpg (16 KB) ; ENE\_prt\_v\_b\_p.jpg (23 KB)

Hi Harle,

We don't have any at this time, but you could certainly use our Learn More or Partner marks to have a t-shirt made. Let me know if you need any help.

Thanks!

*(See attached file: ENE\_LM\_c\_h.jpg)(See attached file: ENE\_LM\_c\_v.jpg)(See attached file: ENE\_prt\_h\_b\_p.jpg)(See attached file: ENE\_prt\_v\_b\_p.jpg)*

Brittney Gordon  
U.S. Environmental Protection Agency  
ENERGY STAR Program  
202-343-9122 (P)  
gordon.brittney@epa.gov

Harle Round ---03/27/2012 11:23:50 AM---Brittney, Is there someplace that we could order polo shirts or tee shirts with the ENERGY STAR LOGO

From: Harle Round <hround@pud-ri.org>  
To: Brittney Gordon/DC/USEPA/US@EPA  
Date: 03/27/2012 11:23 AM  
Subject: RE: 2012 Change The World, Start with ENERGY STAR Campaign

Brittney,  
Is there someplace that we could order polo shirts or tee shirts with the ENERGY STAR LOGO?

Harle

**From:** Brittney Gordon [<mailto:Gordon.Brittney@epamail.epa.gov>]  
**Sent:** Tuesday, March 27, 2012 10:20 AM  
**To:** Harle Round; Graham, Marianne  
**Subject:** Fw: 2012 Change The World, Start with ENERGY STAR Campaign

Hi Harle,

I am including Marianne Graham on this email. She is your ICF contact for the ENERGY STAR campaign and will



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make sure that you get on the map! Marianne, Harle's submission is below.

Harle, did you receive our email yesterday with the latest information on the campaign? That email includes information on how to order event giveaways. Each partner needs to order those items themselves via the directions in the email. Ask Marianne if you need any help.

Thanks!

Brittney Gordon  
U.S. Environmental Protection Agency  
ENERGY STAR Program  
202-343-9122 (P)  
[gordon.brittney@epa.gov](mailto:gordon.brittney@epa.gov)

--- Forwarded by Brittney Gordon/DC/USEPA/US on 03/27/2012 10:16 AM ---

From: Harle Round <[hround@pud-ri.org](mailto:hround@pud-ri.org)>  
To: Brittney Gordon/DC/USEPA/US@EPA  
Date: 03/27/2012 10:11 AM  
Subject: RE: 2012 Change The World, Start with ENERGY STAR Campaign

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I do not think so?

**From:** Brittney Gordon [<mailto:Gordon.Brittney@epamail.epa.gov>]  
**Sent:** Tuesday, March 27, 2012 10:09 AM  
**To:** Harle Round  
**Subject:** Re: 2012 Change The World, Start with ENERGY STAR Campaign

Hi Harle,

Do you work with an ICF or Cadmus account manager?

Thanks,

Brittney Gordon  
U.S. Environmental Protection Agency  
ENERGY STAR Program  
202-343-9122 (P)  
[gordon.brittney@epa.gov](mailto:gordon.brittney@epa.gov)

Harle Round ---03/27/2012 10:07:03 AM--- \* Partner name: Pascoag Utility District \* Event title: PUD's 6th Annual Public Power Green

From: Harle Round <[hround@pud-ri.org](mailto:hround@pud-ri.org)>

To: Brittney Gordon/DC/USEPA/US@EPA

Date: 03/27/2012 10:07 AM

Subject: 2012 Change The World, Start with ENERGY STAR Campaign

- **Partner name:** Pascoag Utility District
- **Event title:** PUD's 6<sup>th</sup> Annual Public Power Green Festival
- **Date and time of event:** Saturday, September 8, 2012 10:00am to 2:00pm
- **Complete address of event (street address, city, state and zip code needed):** Pascoag Utility District, 253 Pascoag Main Street, Pascoag, RI 02859
- **Event description (150 characters or less, including spaces):** Pascoag Utility District will be holding its 6<sup>th</sup> Annual Green Festival in honor of Public Power Week on Saturday, September 8
- **Description of how this event will feature ENERGY STAR:** This event will help us to promote our Demand Management Program. The District has rebates for most ENERGY STAR qualified products and this will allow us to promote these rebates and get our customers to invest in ENERGY STAR qualified products over the standard models. This will also allow us to get the message out to the younger children who attend our event and have them sign pledges also.
- **Your pledge driver status (are you a current pledge driver?)** Yes, we are a current pledge driver.
- **Description of how you will drive pledges at the event:** We will drive pledges at our event by offering an ENERGY STAR 20<sup>th</sup> Anniversary Bag along with a free CFL light bulb to customers who are willing to take the pledge.
- **Estimated number of attendees:** Between 500-600 people attend this event each year
- **Partner event URL or pledge driver page URL:** [http://www.energystar.gov/index.cfm?fuseaction=join\\_change\\_the\\_world.showPledgeDriverDetails&cpd\\_id=1809](http://www.energystar.gov/index.cfm?fuseaction=join_change_the_world.showPledgeDriverDetails&cpd_id=1809)
- **ENERGY STAR publications requested? (Partners must individually place orders at: [energystar.gov/publications](http://energystar.gov/publications))** Yes, the District would like publications.
- **ENERGY STAR event materials requested? (Partners must individually place orders)** Yes, the District will place a n order for event materials.
- **Are you interested in promoting Team ENERGY STAR at your event?** Yes, we are interested in promoting Team ENERGY STAR at our event.
- **Contact info (name, phone number, email address):** My contact information is listed below:

Harle Round

Customer Service Supervisor/ DSM Coordinator

Pascoag Utility District

253 Pascoag Main Street

Pascoag, RI 02859

Email: [hround@pud-ri.org](mailto:hround@pud-ri.org)

Phone: (401) 568-6222

Fax: (401) 568-0066



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# Proposal for Assessment of Light-Emitting Diode (LED) Roadway Lighting on Streets in Pascoag, Rhode Island

For

PASCOAG Utility District

May 24, 2012

**Prime Solutions, Inc.**

**Headquarters:**  
143 West Street  
New Milford, CT 06776

**Mid-Atlantic:**  
400 Pratt Street, 8<sup>th</sup> Fl  
Baltimore, MD 21202

**West Coast:**  
450 North Brand Blvd., Suite 600  
Glendale, CA 91203

[sprazo@PrimeSolutions-Inc.com](mailto:sprazo@PrimeSolutions-Inc.com)

Office: 866-960-9628

Fax: 866-370-4428

[www.PrimeSolutions-Inc.com](http://www.PrimeSolutions-Inc.com)



## **Summary**

Prime Solution, Inc. ("PSI") proposes to conduct a demonstration project with Pascoag Utility District in Pascoag, RI ("Pascoag") to evaluate the feasibility of replacing high-pressure sodium (HPS) streetlight luminaires with light-emitting diode (LED) luminaires. These products will be evaluated in terms of their lighting and energy performance and economics relative to the existing HPS street lighting system.

Three different types of luminaires will be tested which represent different price points for initial cost: PSI will procure luminaires from BetaLED; PSI will import a UL approved product at a lower cost; PSI will procure a rebuild kit that will utilize existing cobra heads which will have existing HPS internals changed out for LED internals on the pole.

We have secured manufacturing commitments in Connecticut for the rebuild kit and have completed the initial design of the circuit boards, drivers, LEDs, lenses and mechanical supports. For final design, PSI will seek input from Pascoag on certain options in order to make the rebuild kit as cost effective and user friendly as possible.

## **1. Scope of Work:**

### **a. Supply of LED Luminaires**

- i. A total of twelve LED luminaires (four of each of the three types) will be supplied, chiefly replacing 50W and 70W HPS luminaires, the most common types for Pascoag.

### **b. Data Collection**

During the data collection phase, measurements will be taken for the following parameters:

- i. Power measurements will be taken at each LED streetlight pole as well as at neighboring HPS streetlight poles.
- ii. Light pattern measurements for the LED luminaires and for the HPS luminaires
- iii. Installation time (in order to determine installation cost).
- iv. Community feedback will be obtained on the concept of saving energy with LED luminaires and perception of the quality of light.



**c. Report on Demonstration Project:**

Three months after the installation of the luminaires PSI will analyze all of the data and issue a report to Pascoag Utility District on the demonstration. The report will include the following topics:

- I. Description and cost of luminaires installed.
- ii. Luminescence study including light pattern, quality and intensity for the three LED types and the HPS type of luminaire.
- iii. Energy usage and operating cost of each type of LED luminaire compared to HPS luminaires.
- iv. Greenhouse gas impact of each luminaire option.
- v. Estimates of replacement frequency and cost of replacement.
- vi. Total annual cost (including capital, operating and maintenance cost) for each type of luminaire.
- vii. Lessons learned, feasibility, and cost competitiveness of LED rebuild kit.
- viii. Capital cost and return on investment for replacing HPS luminaires with each of the three LED luminaires in the study.
- ix. Stakeholder feedback including community feedback on energy savings and quality of light.
- x. Recommendations for next steps.

**2. Schedule from acceptance of proposal**

- a. Procurement of commercial LED Luminaires and rebuild kit production and testing - 6 weeks
- b. Installation of Luminaires (by Pascoag) - 2 weeks
- c. Data collection - 4 weeks
- d. Data analysis - 4 weeks
- e. Delivery of final report - 2 weeks

**3. Fee**

- a. Our fee for the proposed study will be \$14,000.

**4. Payment Terms:**

- a. Payment terms will 60% on signing this agreement and 40% upon delivery of the final report.





## Agreement to Proceed

Upon receipt of a signed agreement, PSI will confer with the Client to review an execution timeline for the proposed Project.

Please sign this agreement to indicate your acceptance of this proposal and your desire to proceed with the Project.

Very truly yours,

Prime Solutions, Inc.

A handwritten signature in black ink, appearing to read "Jeffrey Lines", written over a horizontal line.

By: \_\_\_\_\_

Name: Jeffrey Lines

Title: President

Date: May 24, 2012

AGREED TO AND ACCEPTED BY:

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



## Overview of PSI

PSI is a provider of integrated green-energy design, engineering, sustainability-consulting and implementation solutions custom-tailored to help its customers achieve their energy-efficiency and alternative- and renewable-energy goals. The Company operates in the electric utility and the commercial, industrial and institutional markets on a prime as well as sub-contracting basis. Its key customers within these markets include both large and smaller investor- and publicly-owned municipal utilities as well as electrical cooperatives and a variety of businesses, in particular, energy-intensive industrial, healthcare and education users generally with complex energy-usage profiles. Additionally, PSI subcontracts core engineering as well as subject matter expertise to companies engaged in a wide range of energy efficiency and distributed generation projects.

PSI's current **Utility-Infrastructure Solutions** support utilities with interconnection studies, renewable project evaluations and include energy consulting and technical services; drafting/design services; environmental studies; distribution and transmission engineering and design. These solutions cover civil/structural, mechanical and electrical disciplines, with both power and protection and controls ("P&C") expertise within the electrical group.

PSI provides **whole-facility, technology-agnostic energy-engineering** solutions customized to meet the operational and financial objectives for a range of industrial, commercial and institutional facilities. Our team uses in-house mechanical, electrical, controls and civil/structural engineering resources to design and implement energy-efficiency and distributed-generation projects. It also offers customers complete energy-management solutions including initial energy profiling; building Benchmarking & Disclosure Services, energy project identification, engineering and investment-grade analyses; engineering (including drafting services, document stamping and peer-review services), procurement and construction ("EPC") services or turnkey implementation: commissioning; and energy-usage measurement, monitoring and verification. Additionally, we provide

PSI's competencies extend beyond the core capabilities of most energy services companies through our ability to enroll our clients in Demand Response and Regulation programs, generating alternative revenue streams that can be utilized by our clients to accelerate other desirable energy projects.

PSI specializes in helping clients shift to alternative and/or renewable energy sources when it makes financial sense for them to do so. Usually the best time to consider alternative energy is after a client has gained the benefits from a comprehensive efficient energy-systems review. PSI also provides interconnection services for distributed generation projects that enable our clients to make utility connections efficient, timely and cost-effective.

PSI has executed 8MWs of solar photovoltaic projects (2011) with additional 5MWs pending for 2012. We employ our full suite of civil, structural and electrical engineering services as well as permitting on





these solar projects, which include ground mounted, roof mounted and carport mounted solar PV designs.

**Additional areas of expertise include the following:**

• **Technology-Agnostic Services**

- o Energy Sustainability Program Development
- o Construction/Program Management
- o Measurement and Verification Services
- o Commissioning/Retro-Commissioning
- o Outsourced Project Management and Delivery
- o Project Finance Development
- o High-level Capabilities of Interconnecting On-site, Distributed-Generation Assets
- o Project Incentive and/or Rebate Identification, Application and Capture

• **Staffing:**

- o Professional Engineers (mechanical, electrical, process/chemical and civil/structural)
- o Certified Energy Managers ("CEMs")
- o Project Management Professionals ("PMP"), Technicians, and Construction Managers

• **Innovative Applications of Energy Technologies Including:**

- |                          |   |
|--------------------------|---|
| o Lighting               | o Refrigeration (Incl. Ammonia Systems) |
| o Power generation       | o Process machinery                     |
| o Digester gas           | o Motors                                |
| o Building controls      | o Waste water reclamation               |
| o Boilers                | o Energy procurement advisory services  |
| o Heating                | o Peak load management                  |
| o HVAC equipment         | o Demand Response                       |
| o Compressed air         |   |
| o Central utility plants |   |

• **Professional Affiliations:**





## **PSI's Project management Approach**

PSI employs a Project Management Process (PMP) to provide guidelines for design and construction projects. It is the responsibility of the Project Manager to create a project specific Project Management Plan ("PMP") document for each design/construction project. The PMP is to be reviewed, approved, and signed by senior PSI and Client management. The PMP will:

- Establish the framework and process for the management and execution of the design, procurement and construction of Client projects.
- Outline the project scope, budget, construction resource requirements, roles, responsibilities, and authorities of PSI, its Client, and other stakeholders.
- Outline the technical performance requirements for the management and control of the project from initiation of concept design through construction, and final delivery to the customer/user.
- Establish decision rules for the review of inquires and proposals for changes.

Providing a quality design/construction project on schedule and within budget is the primary objective of all Integrated Project Team (IPT) members.

**[End of Document]**

