



December 5, 2011

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

**Re: Pascoag Utility Districts 2012 Demand Side Management Program RIPUC Docket 4297.**

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 Answers to the Division of Public Utilities' third data request to Pascoag Utility District.

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

Very truly yours,

Harle Round  
DSM Coordinator

Cc: Mr. Jon Hagopian, Esquire  
Cc: Mr. William Bernstein, Esquire

Division Data Request 3-1:

According to Pascoag's response to Division Data Request 1-2, the District intends to offer rebates for energy efficient gas water heaters.

- A) Is this program targeted at customers who are currently propane gas customers?
- B) Does the Company know how many customers within the service territory are currently propane gas customers?
- C) Are EnergyStar water heaters available for use with propane gas as well as natural gas?

Date Request 3-1 answered by: Harle Round

- A) *This program would target some of the new developments that are being built. We currently have Harrisville Village that installed propane gas furnaces but chose to install electric hot water heaters.*
- B) *The District does not know how many customers in the service territory are currently propane gas users because they use different service providers, so it would be impossible to get an accurate amount. We do know that two of the newer developments are propane gas users. E.A. McNulty Real Estate, who is currently building houses in the Mill Pond Village, builds only ENERGY STAR Homes and is installing propane gas furnaces and hot water heaters; Harrisville Village LLC is installing gas furnaces.*
- C) *EnergyStar gas hot water heaters are available in propane. General Electric's PowerVent gas hot water heater has 2 models that are EnergyStar compliant one with a 40 gallon tank and one with a 50 gallon tank. State® Water Heaters also has propane gas hot water heater that are EnergyStar compliant.*

Division Data Request 3-2:

Although the Company has stated in its response to Division 1-2 that a customer could save as much as 5,000 kWh in energy per year by eliminating an electric water heater, has Pascoag determined the dollar savings a customer would realize by switching from an electric water heater to an EnergyStar propane gas water heater, given the cost difference between electricity and propane gas?

Data Request 3-2 answered by: Harle Round

*Based on data from the U.S. Department of Energy a fifty gallon electric hot water heater has an annual energy usage of 4,879 kWh @ 14 cents per kWh would cost \$683.06 per year to run. Based on an EnergyGuide from an EnergyStar 50 gallon gas hot water heater the yearly energy usage is 253 gallons at \$2.84 per gallon ( this is the current price that the District is paying), would cost \$718.52 per year. Based on these results the customer would not see cost savings in fact it would cost \$35.46 more to run the gas hot water heater. The cost of propane varies with the amount of usage, and unfortunately natural gas is not available to the residents of Pascoag*

*and Harrisville. A customer installing a gas hot water heater would not see a cost reduction over an electric hot water heater, but the District would see the Kwh savings. The District has been approached in the past with inquires on offering a gas propane hot water heater rebate.*

*If Division does not see the value of offering a gas hot water heater due to these circumstances, the District would be satisfied to offer rebates on the EnergyStar qualified electric heat pump water heaters and the Energy Star solar water heaters in combination with an electric tank water heater.*

Division Data Request 3-3:

Assuming the budget item concerning LED streetlights is accepted, and the investigation phase of the program shows promise, has Pascoag considered a pilot program in its service territory?

Data Request 3-3 answered by: Harle Round

*The District is in the beginning stages of research and has scheduled discussion on the street light technology with a couple of efficiency partners associated with Energy New England. We are also in the process of trying to find municipals in the North East that have implemented the LED Streetlight technology. We would like to have a small controlled pilot program and would like to earmark the additional carry over funds that we have estimated at \$11,659. The District would not move forward on the pilot program without consulting the Division first.*

Division Data Request 3-4:

Does the Company intend to file with the Commission revised schedules and text in the 2012 proposed program budget incorporating corrections, changes and clarifications indicated by responses to Division data requests?

Data Request 3-4 answered by: Harle Round

*The District will file with Commission the revised schedule and text in the 2012 proposed program budget and will incorporate corrections, changes and clarification as indicated by the responses to Division's date request.*