

# **“Green Button” Implementation at PPL Electric Utilities**

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PPL Electric Utilities Corporation

MADRI Meeting – Baltimore

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# Specifics of PPL Electric's implementation...

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- “Green Button” exists on ACLARA website which also hosts PPL Electric’s customer-facing meter data management application “Energy Analyzer”
- Initial installation first week of August 2012 in concert with ACLARA update
- Enhancement being installed to provide user-friendly view in addition to XML

## “Green Button” downloads...

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- 1,784 downloads through November 30, 2012
- Downloads continue at about 500 per month

# What a customer sees...

```
- <entry>
  <id>urn:uuid:1231f01c15de2eb06342b69bd5ead6e9</id>
  <title>Energy Usage</title>
- <content>
- <IntervalBlock xmlns="http://naesb.org/espi">
- <interval>
  <duration>86400</duration>
  <start>1356998400</start>
</interval>
- <IntervalReading>
- <timePeriod>
  <duration>86400</duration>
  <start>1356998400</start>
</timePeriod>
  <value>71000</value>
</IntervalReading>
</IntervalBlock>
</content>
<updated>2013-02-19T11:13:20-05:00</updated>
</entry>
```

# “Energy Analyzer” implemented in 2008...

## My Daily Energy Usage

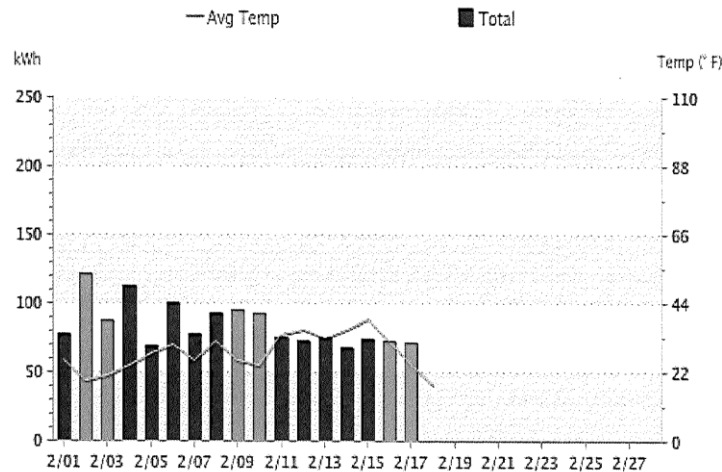
Check out your energy usage charts and tips. To change your chart view, make new selections from the options below.

Meter: Electric - [REDACTED]

Graph: Daily Energy Use and Weather · Date: 02/15/2013

Period:  Billing Cycle  Month  Week [Export data by month](#)

### Daily Energy with Temperature



# “Energy Analyzer” already provides capability to view and export hourly data

## My Daily Energy Usage

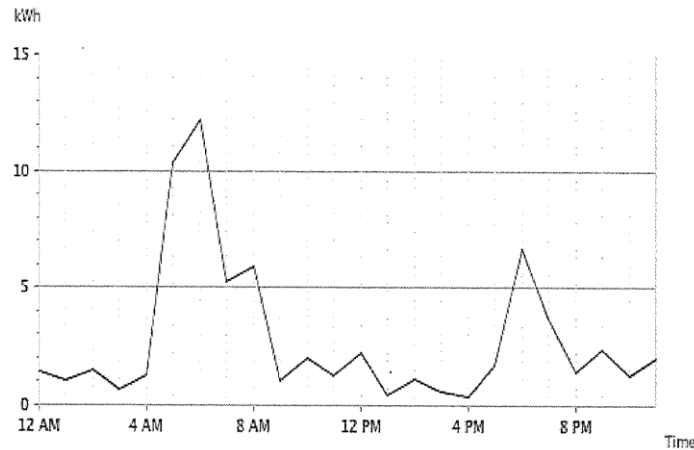
Check out your energy usage charts and tips. To change your chart view, make new selections from the options below.

Meter: Electric - [REDACTED] · [REDACTED]

Graph: Hourly Energy · Date: 02/14/2013

Period:  Week  Day [Export data by month](#)

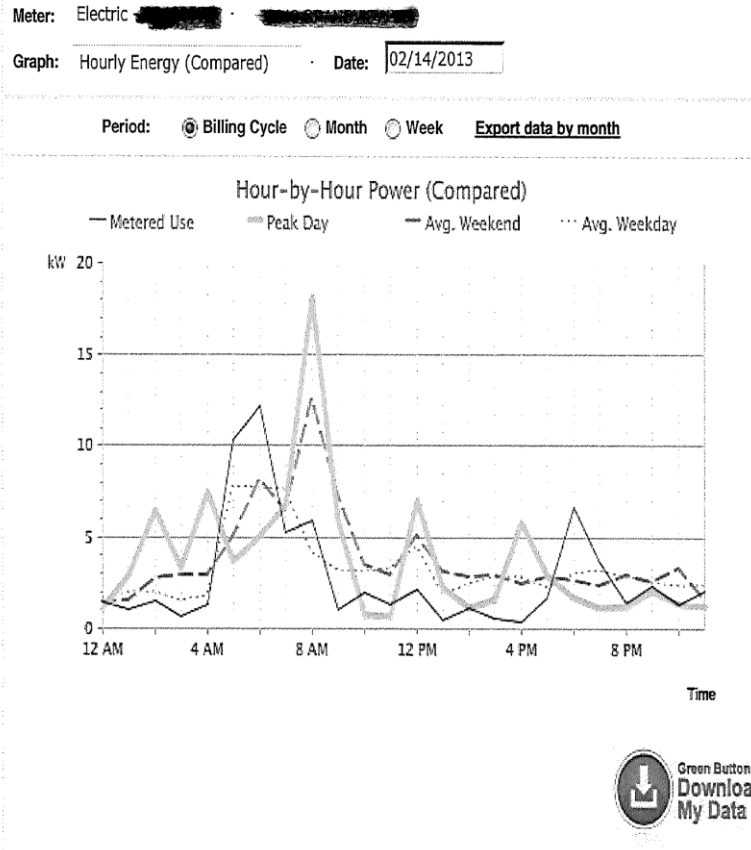
### Hour-by-Hour Power



# “Energy Analyzer” provides a number of comparison and analysis capabilities

## My Daily Energy Usage

Check out your energy usage charts and tips. To change your chart view, make new selections from the options below.



# Supported Lehigh University grant application for app development

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- Data Mining And Disaggregation Utilizing "Green Button" Data For Consumer Energy-Use Response