

## **REQUEST FOR BOARD ACTION**

### **HENDERSON COUNTY BOARD OF COMMISSIONERS**

**MEETING DATE:** Monday, December 1, 2014

**SUBJECT:** Energy Management Update

**PRESENTER:** Rachel Hodge

**ATTACHMENTS:** Yes,  
1. Energy Management Data

#### **SUMMARY OF REQUEST:**

The attachment provides information to the Board about the County's energy use across all County facilities in the areas of electricity, natural gas, and water. It compares the first FY quarter with previous years to show historical trends in commodity consumption. Supplementary cost analyses represent the total annual cost percentages (YTD) and the monthly cost profile comparing 2013 and 2014 YTD for the highest-cost commodity at each facility.

#### **BOARD ACTION REQUESTED:**

No Board action is requested. This item is for informational purposes only.

#### **Suggested Motion:**

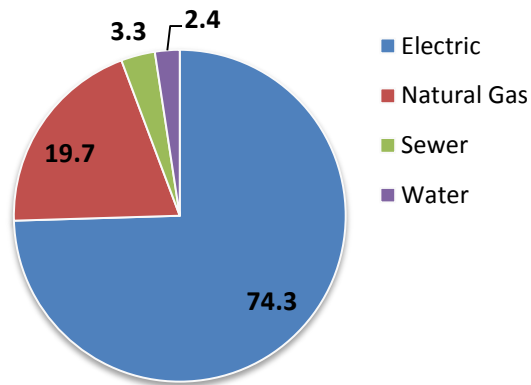
*No motion suggested.*

# Energy and Fuel Reduction Plan Status for Qtr1- FY15 (July-September 2014)

## BOC Meeting: December 1, 2014

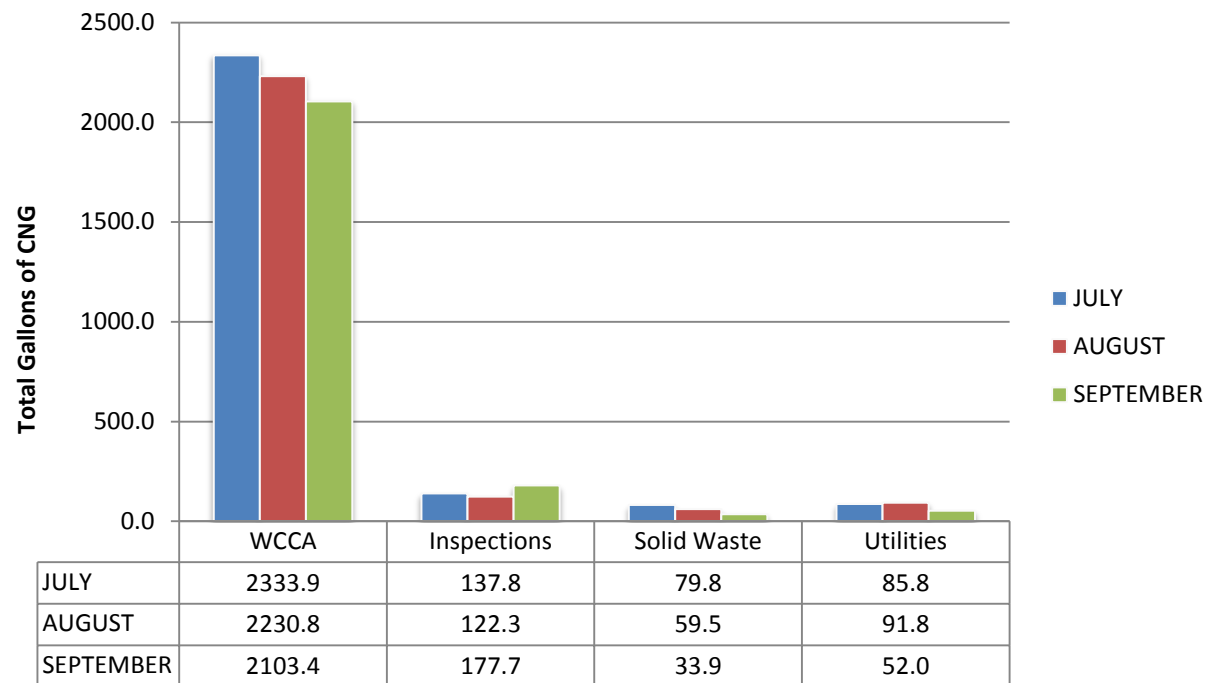
### \*UTILITY COSTS

Expense Breakdown of Henderson  
County Facilities in Total Costs YTD %



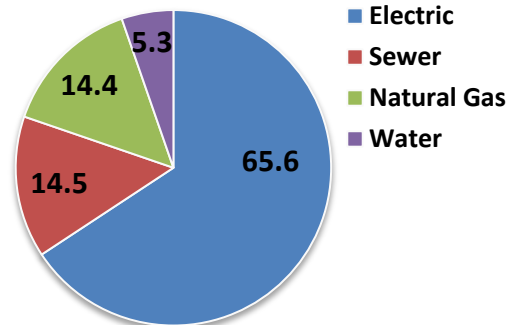
\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Total CNG Gallons Purchased per Month by Department July-September 2014



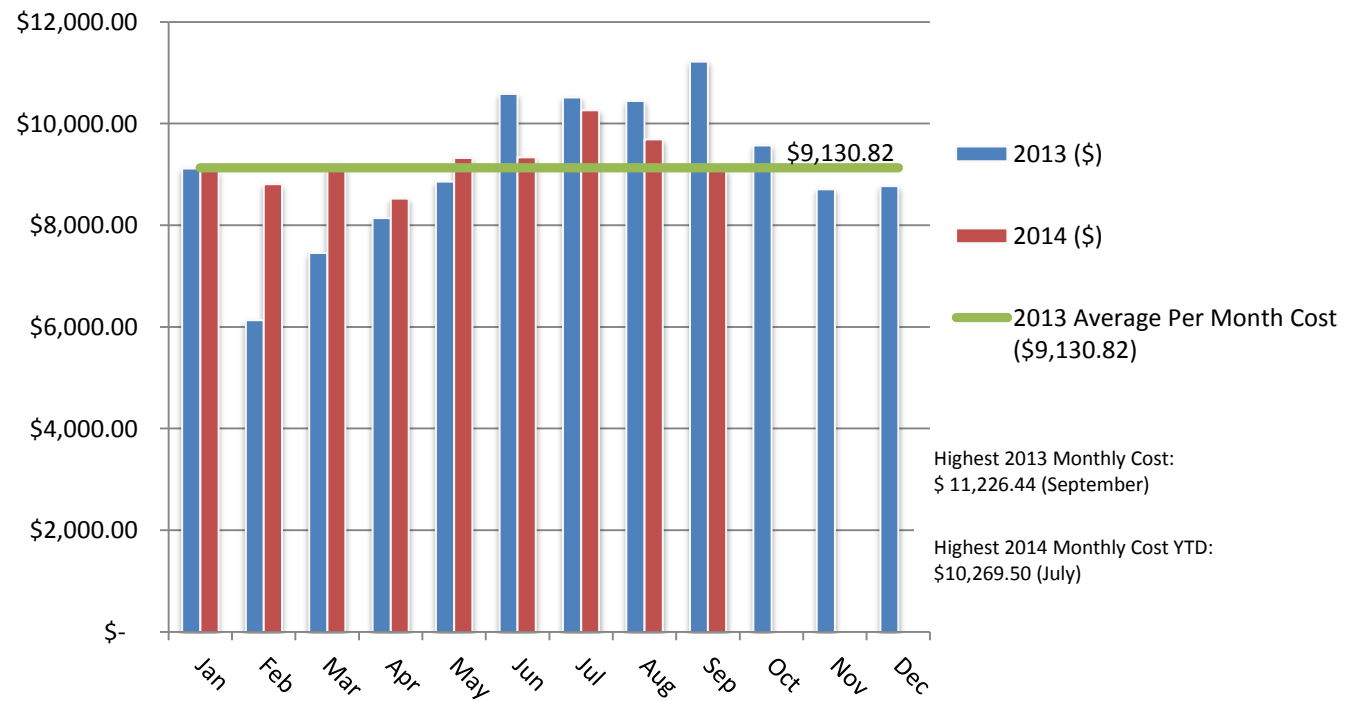
## 1995 Courthouse Utility Use

### Total Cost % YTD\*



### 95 Courthouse Electric Cost per Month Profile 2013-2014 YTD

\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).



## 1995 Courthouse Utility Use

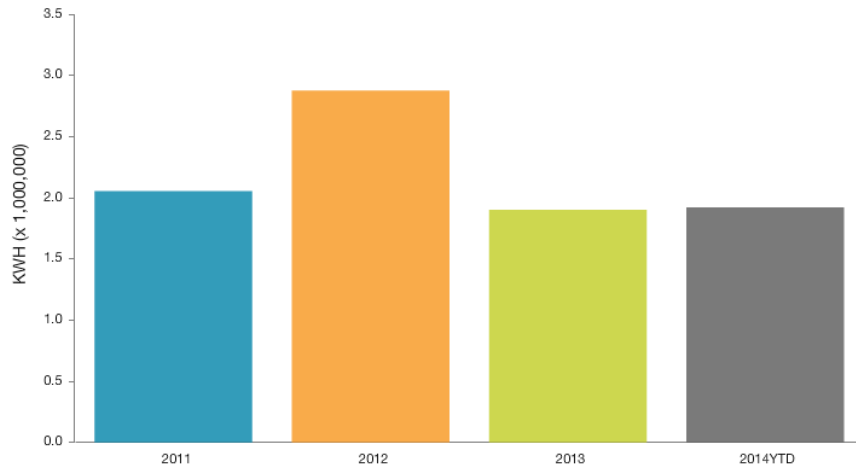
**Location:** Henderson County-> 95COURTHOUSE [95 Courthouse]

**Time:** 11/20/2014 11:15:33 AM

**Commodity:** Electric

### Electricity in KWH

Total Use Summary



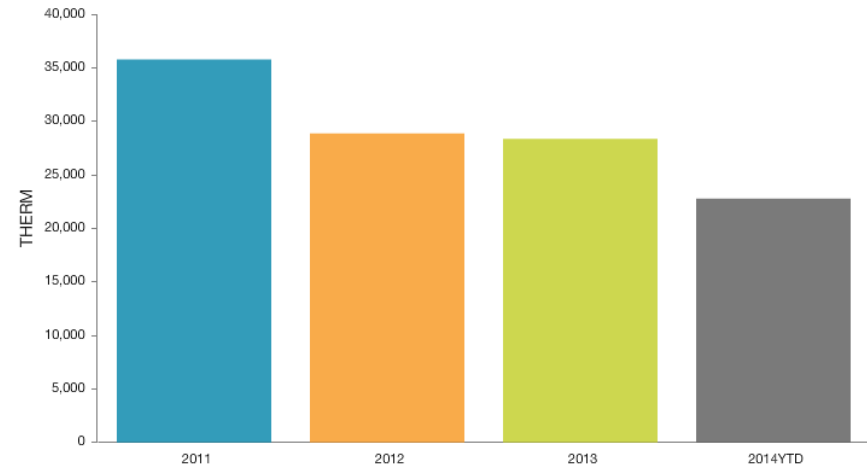
**Location:** Henderson County-> 95COURTHOUSE [95 Courthouse]

**Time:** 11/20/2014 11:15:33 AM

**Commodity:** Natural Gas

### Natural Gas in Therms

Total Use Summary



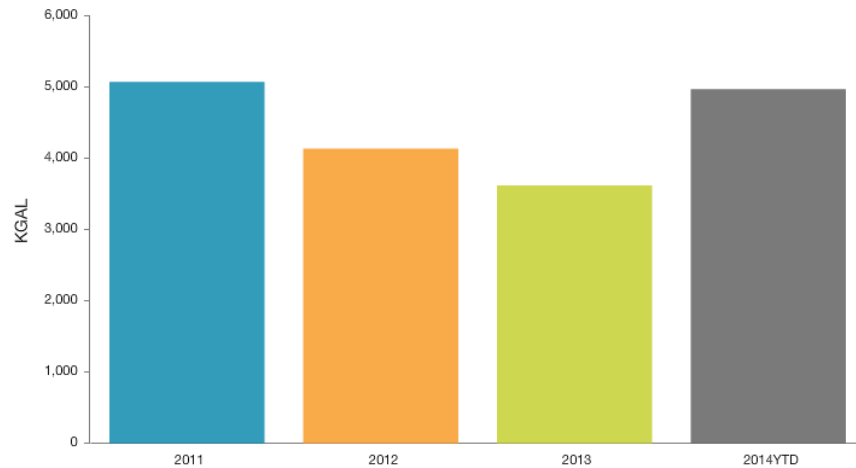
**Location:** Henderson County-> 95COURTHOUSE [95 Courthouse]

**Time:** 11/20/2014 11:15:33 AM

**Commodity:** Water

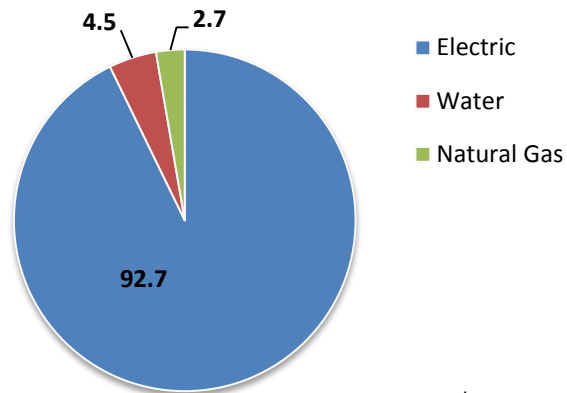
### Water in Thousands of Gal

Total Use Summary



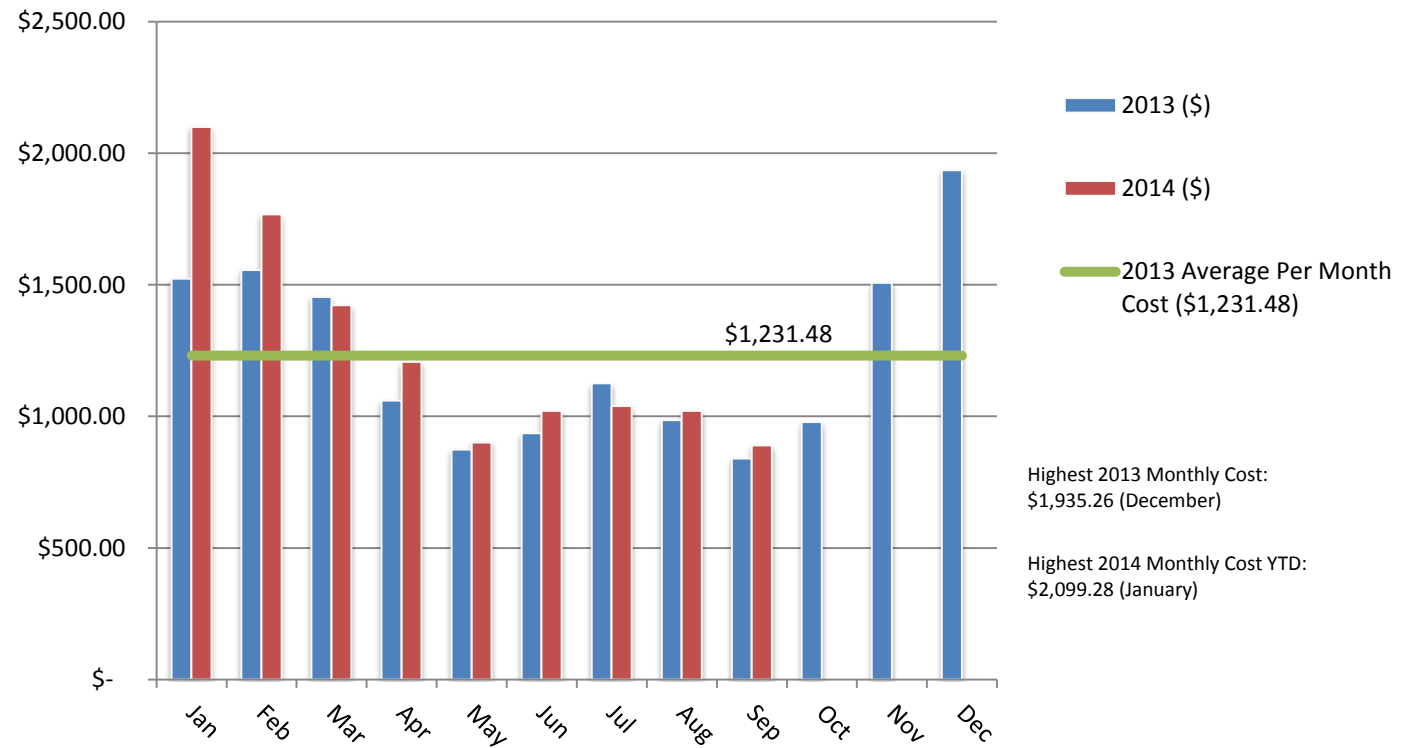
## Animal Services Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Animal Services Electric Cost per Month Profile 2013-2014 YTD

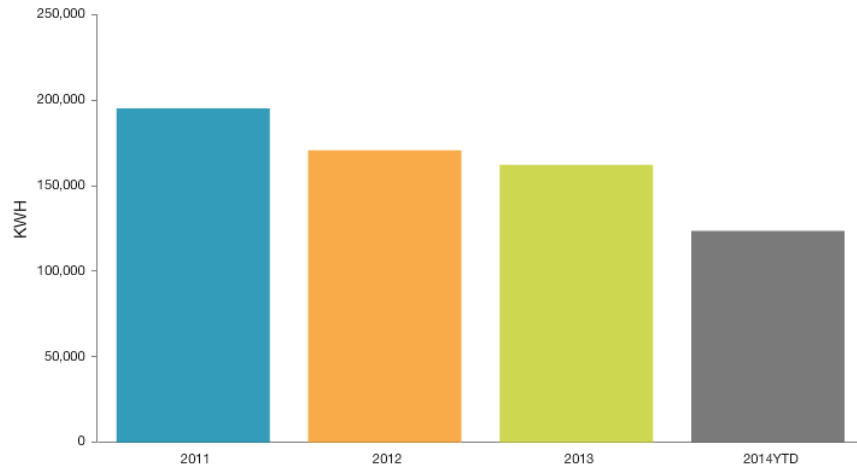


## Animal Services Utility Use

**Location:** Henderson County-> ANIMALSERVICES [Animal Services]  
**Time:** 11/20/2014 11:15:33 AM  
**Commodity:** Electric

Electricity in KWH

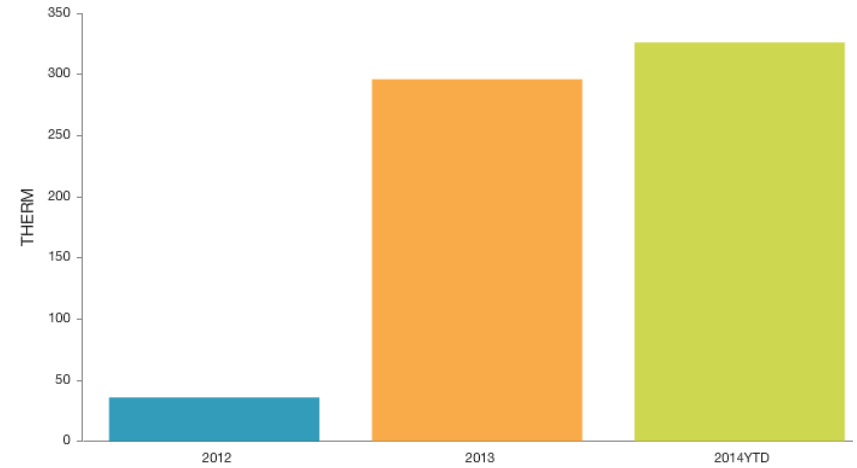
Total Use Summary



**Location:** Henderson County-> ANIMALSERVICES [Animal Services]  
**Time:** 11/20/2014 11:15:33 AM  
**Commodity:** Natural Gas

Natural Gas in Therms

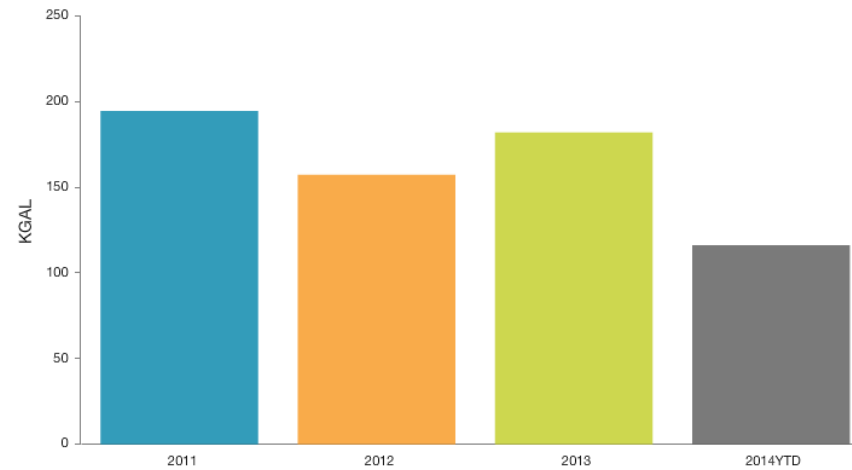
Total Use Summary



**Location:** Henderson County-> ANIMALSERVICES [Animal Services]  
**Time:** 11/20/2014 11:15:33 AM  
**Commodity:** Water

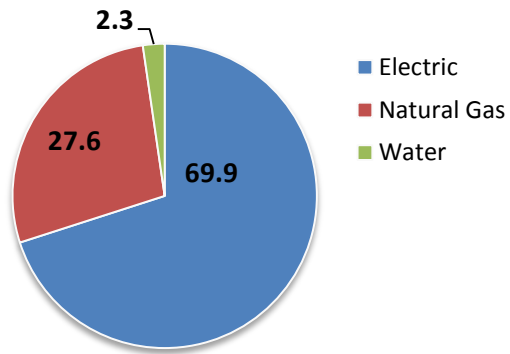
Water in Thousands of Gal

Total Use Summary



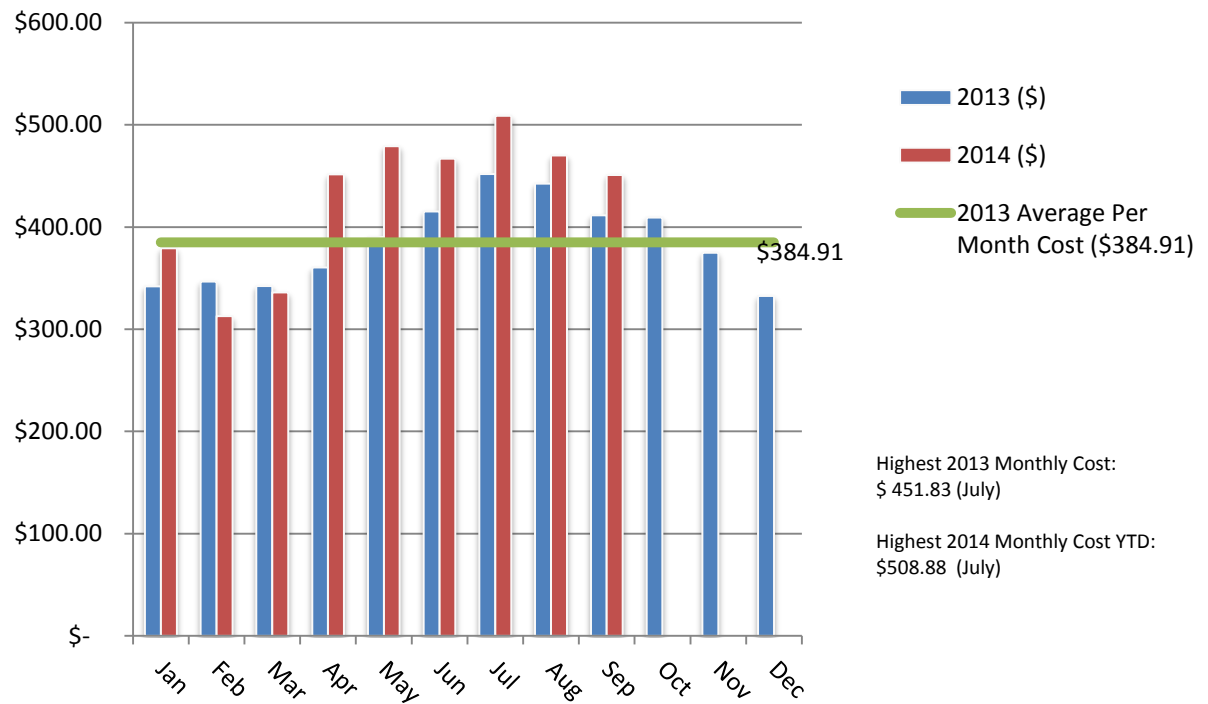
## Board of Elections Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Board of Elections Electric Cost per Month Profile 2013-2014 YTD



## Board of Elections Utility Use

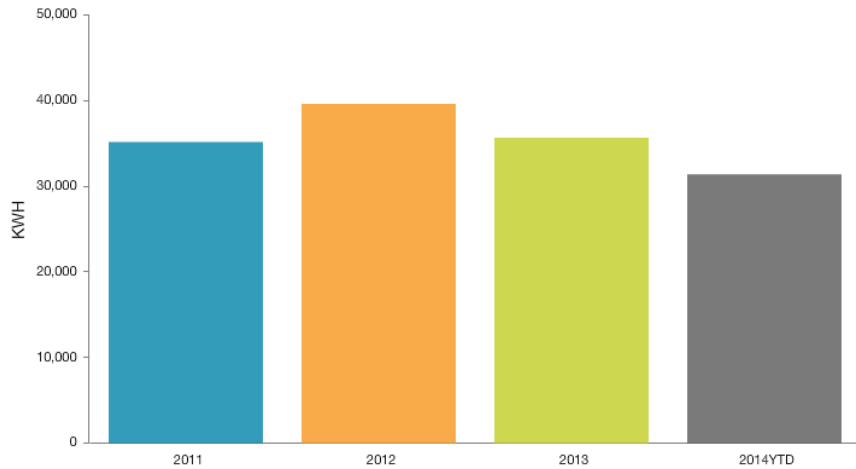
**Location:** Henderson County-> BOARD OF ELECTIONS [Board Of Elections]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

### Electricity in KWH

Total Use Summary



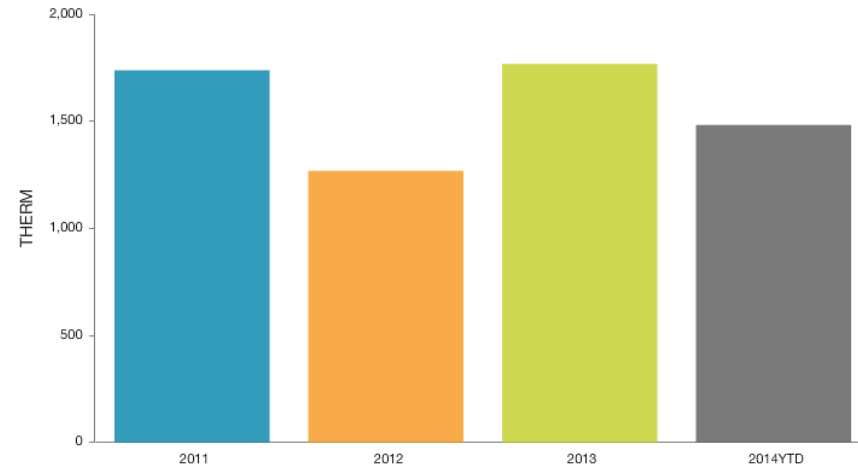
**Location:** Henderson County-> BOARD OF ELECTIONS [Board Of Elections]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

### Natural Gas in Therms

Total Use Summary



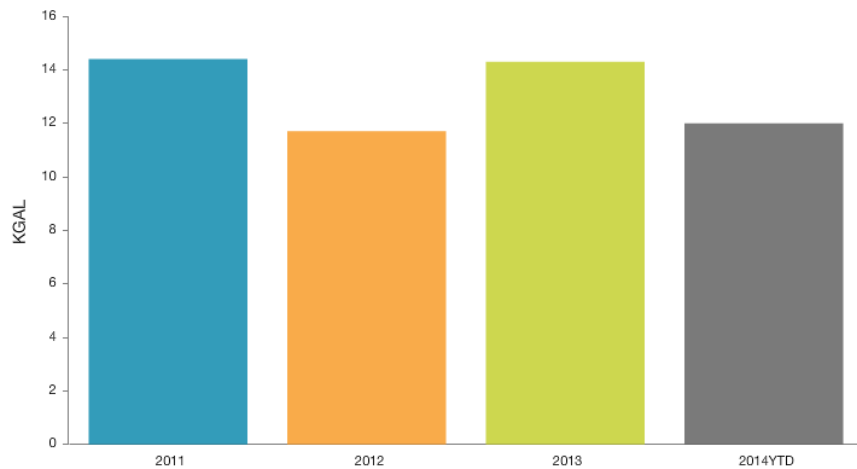
**Location:** Henderson County-> BOARD OF ELECTIONS [Board Of Elections]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

### Water in Thousands of Gal

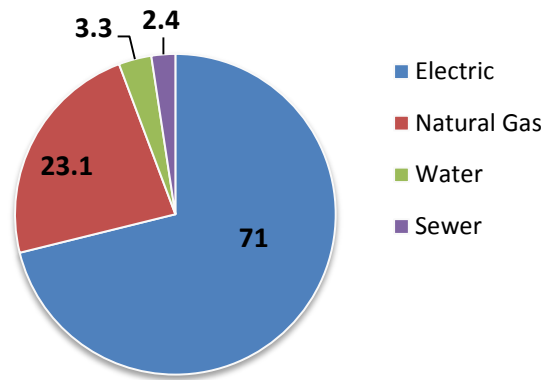
Total Use Summary





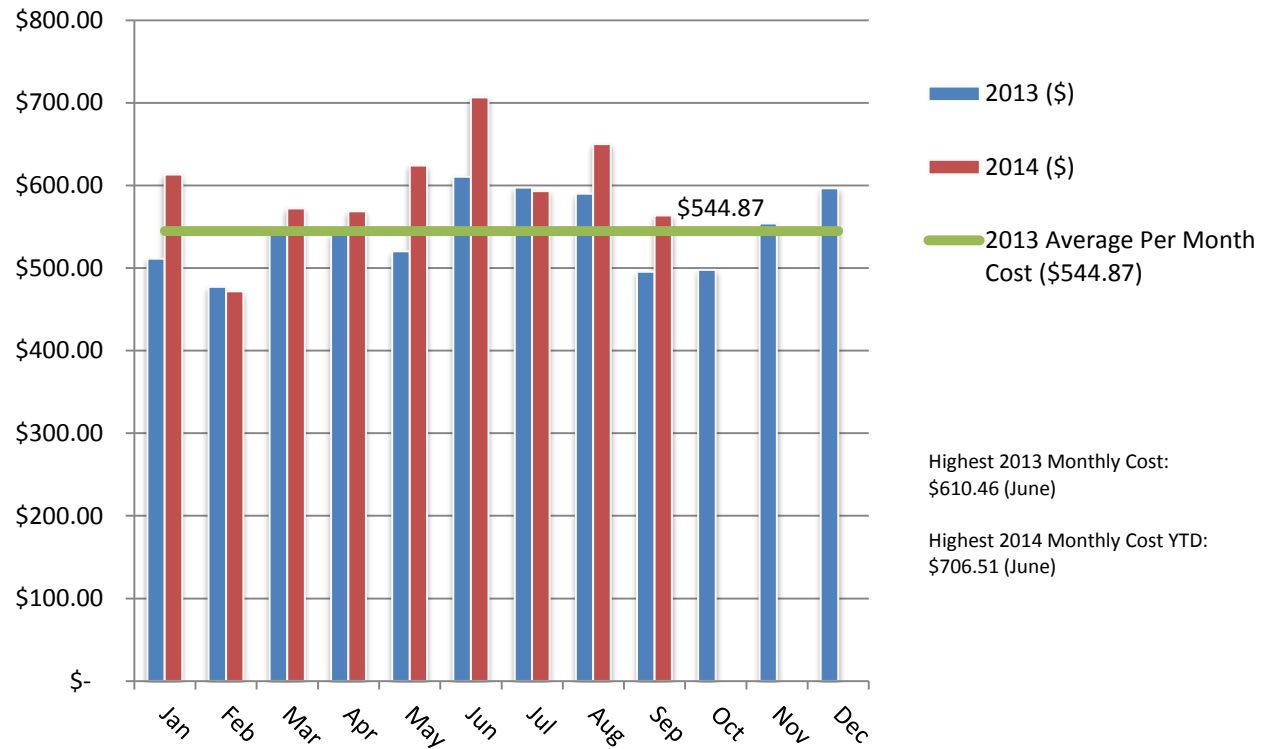
## Central Services Utility Use

### Total Cost % YTD\*

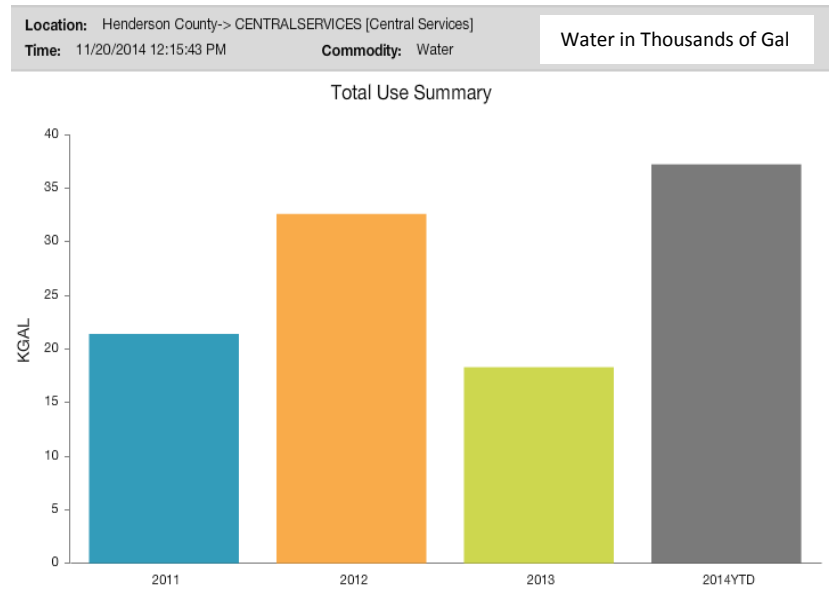
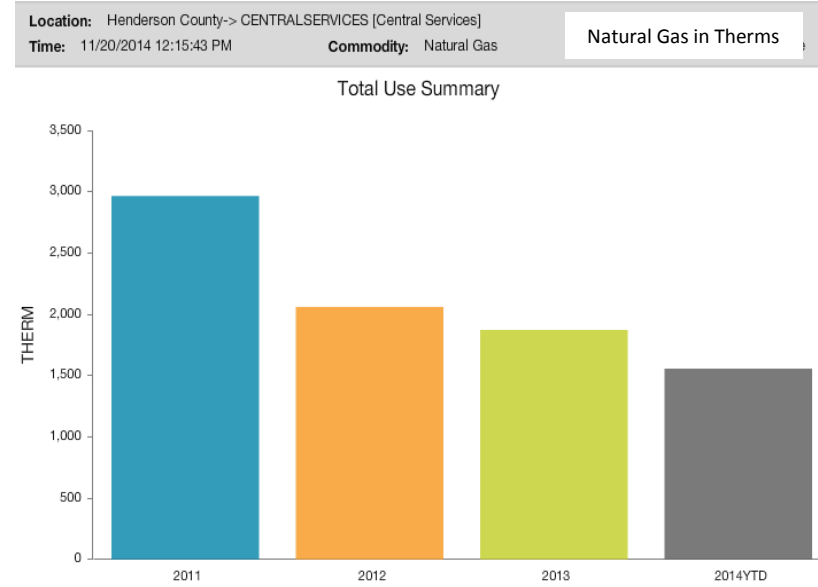
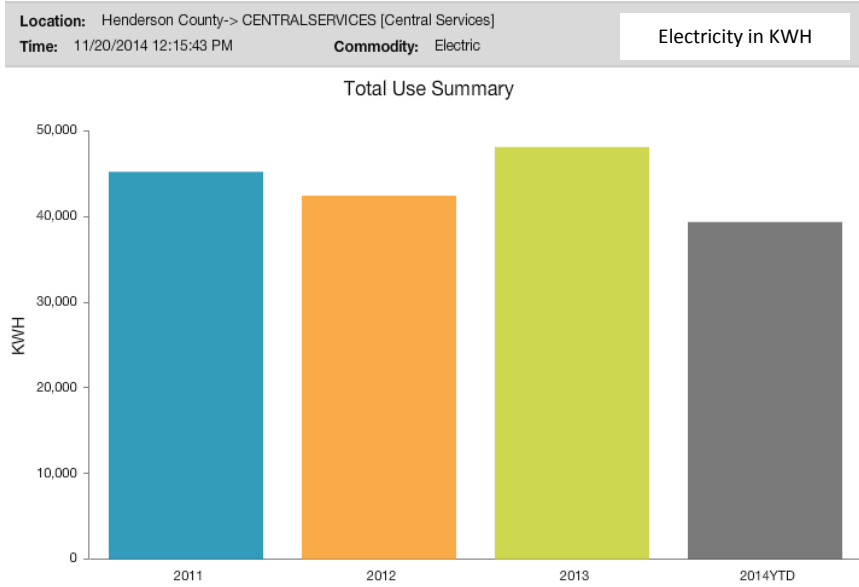


\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Central Services Electric Cost per Month Profile 2013-2014 YTD

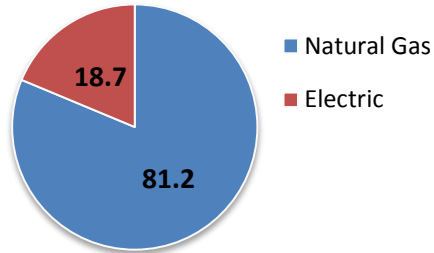


## Central Services Utility Use



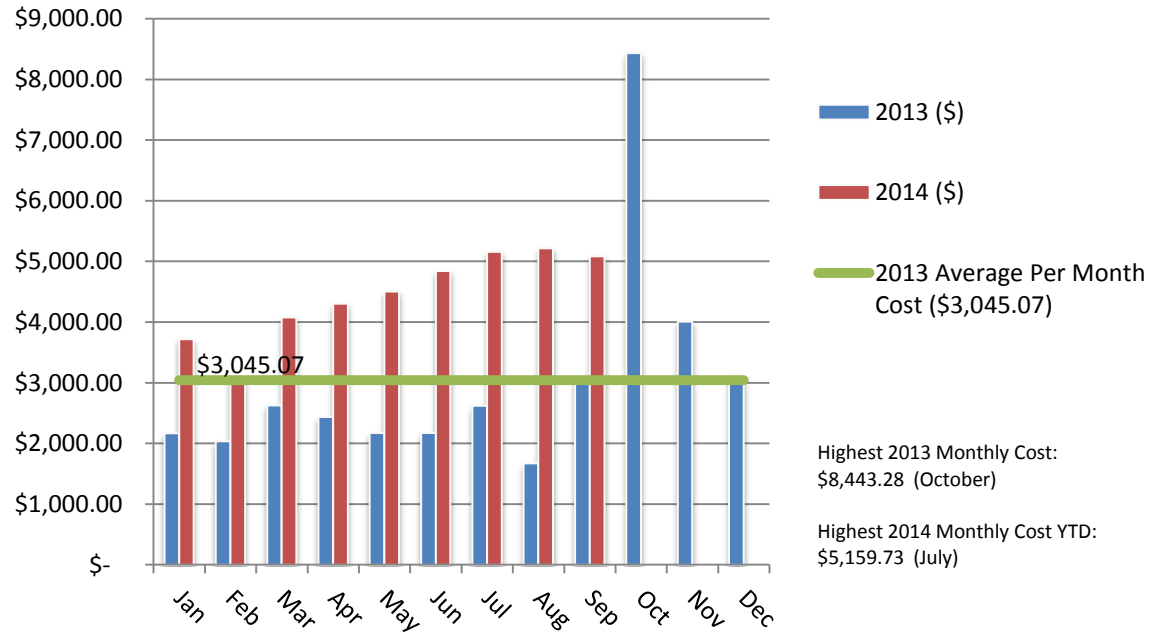
## CNG Station Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### CNG Station Natural Gas Cost per Month Profile 2013-2014 YTD



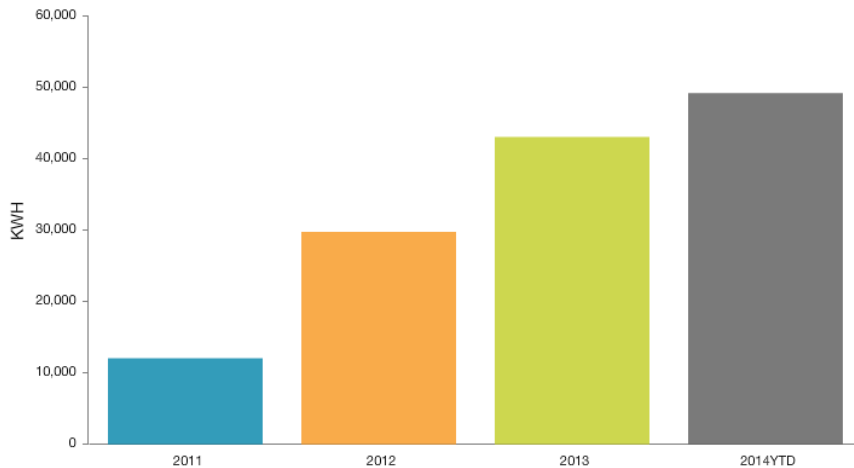
Location: Henderson County-> CNGSTATION [Cng Station]

Time: 11/20/2014 12:15:43 PM

Commodity: Electric

Electricity in KWH

#### Total Use Summary



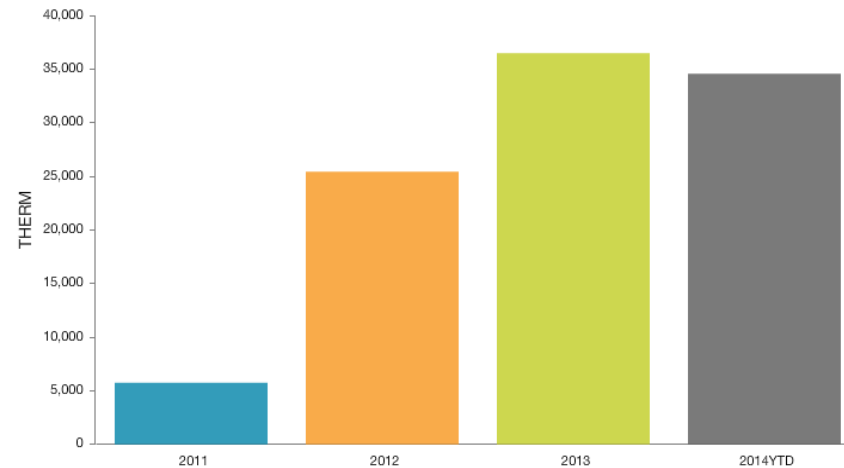
Location: Henderson County-> CNGSTATION [Cng Station]

Time: 11/20/2014 12:15:43 PM

Commodity: Natural Gas

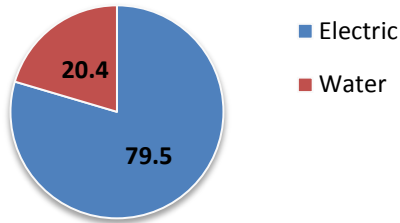
Natural Gas in Therms

#### Total Use Summary



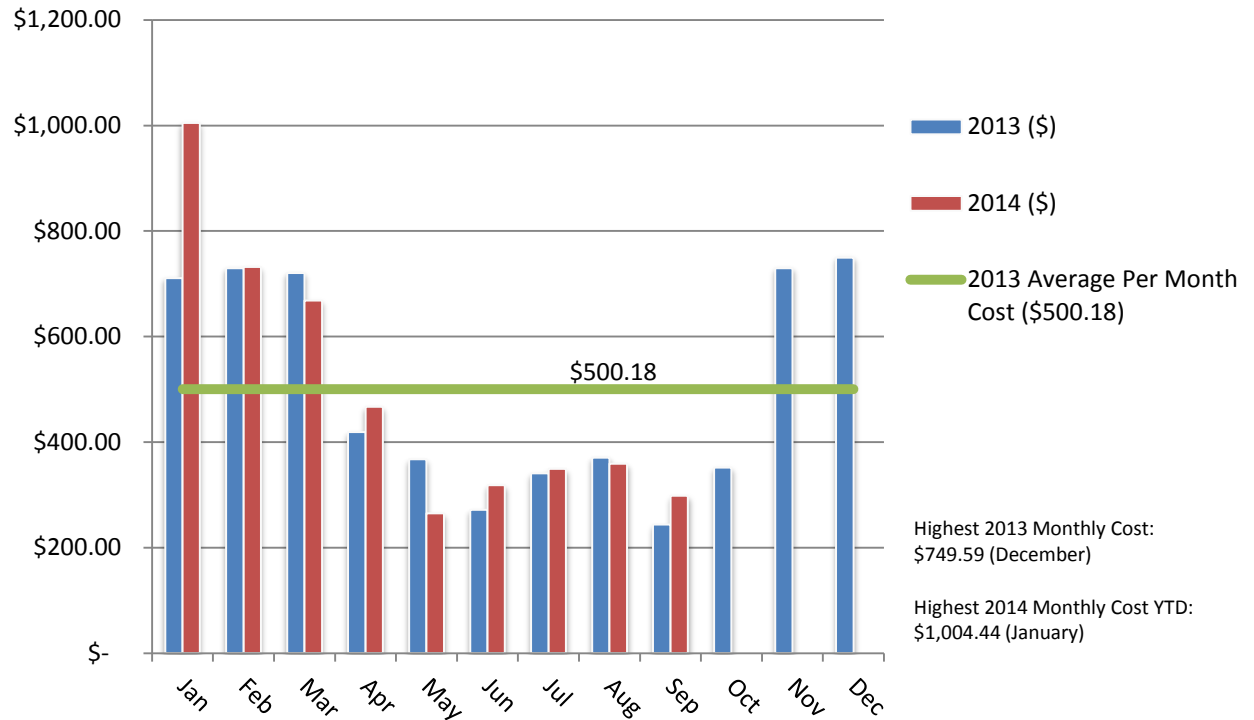
## Cooperative Extension Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Cooperative Extension Electric Cost per Month Profile 2013-2014 YTD

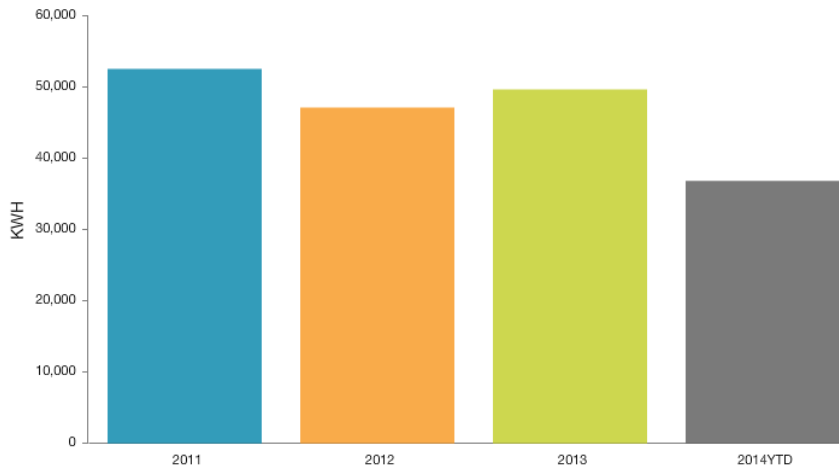


**Location:** Henderson County-> COOPERATIVEEXTENSION [Cooperative Extension]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

#### Total Use Summary

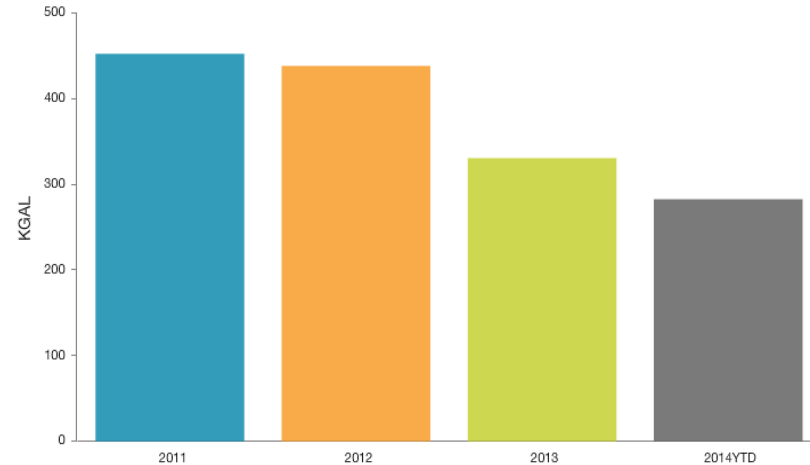


**Location:** Henderson County-> COOPERATIVEEXTENSION [Cooperative Extension]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

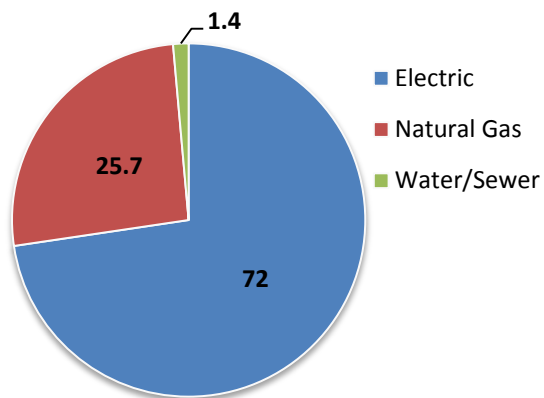
Water in Thousands of Gal

#### Total Use Summary



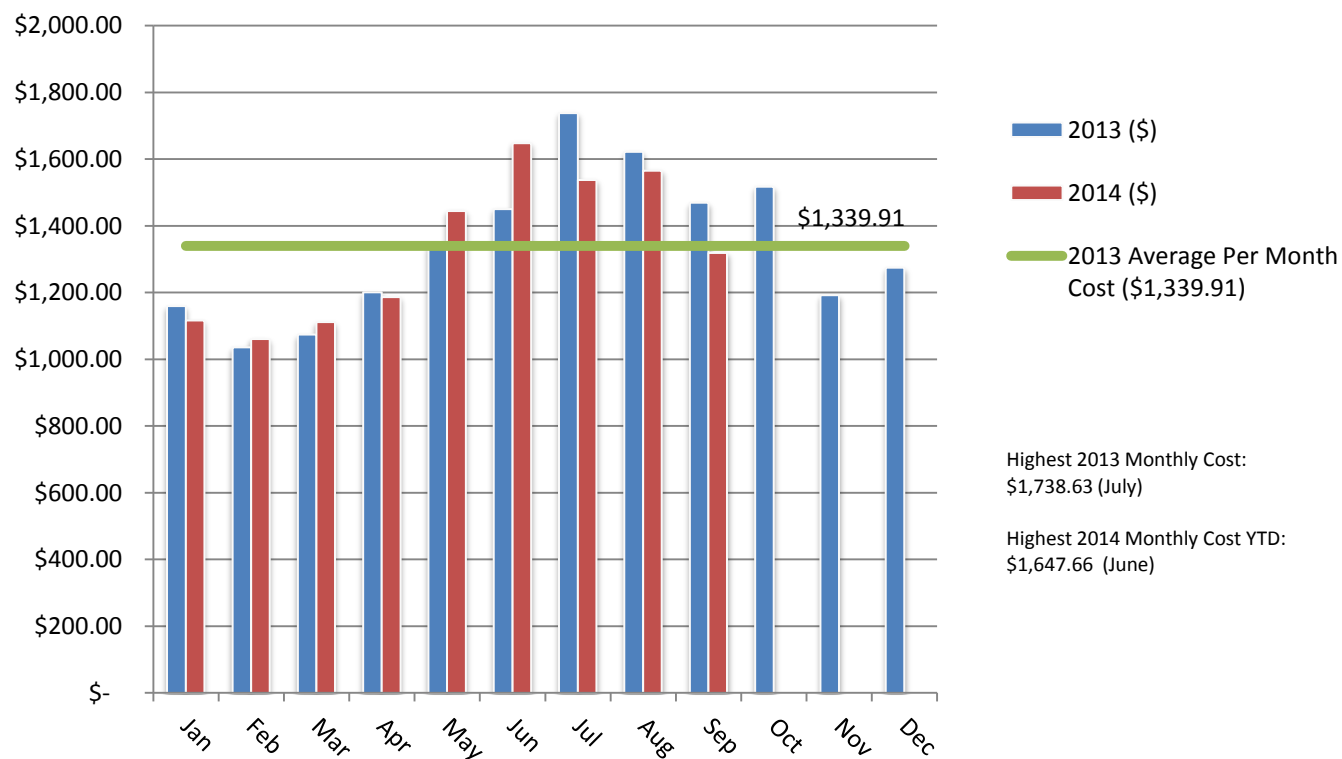
## Court Services Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Court Services Electric Cost per Month Profile 2013-2014 YTD



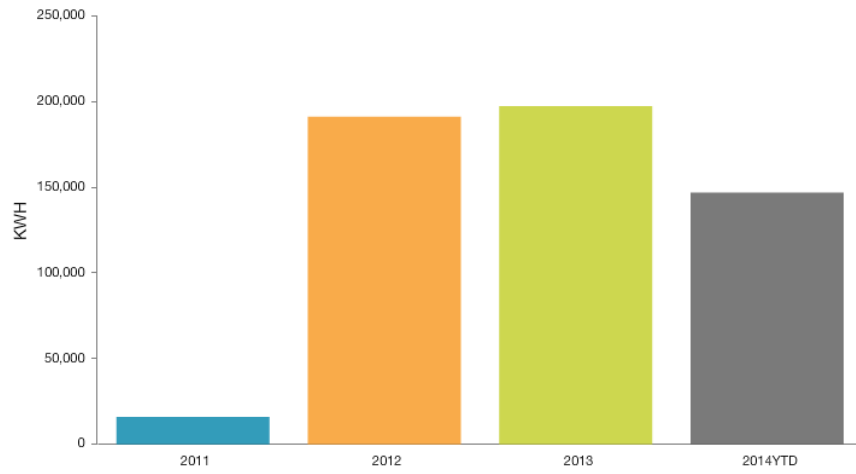
## Court Services Utility Use

**Location:** Henderson County-> OLDHEALTHDEPARTMENT\_3560 [Court Services Building]  
**Time:** 11/20/2014 1:16:36 PM

**Commodity:** Electric

**Electricity in KWH**

Total Use Summary

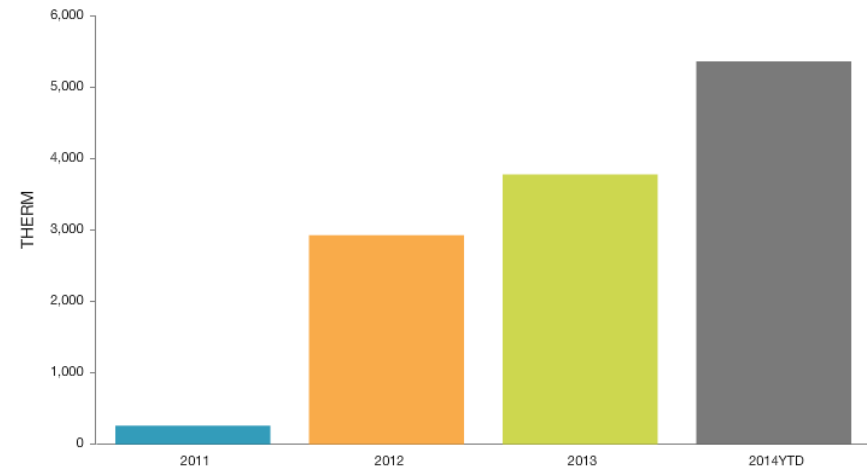


**Location:** Henderson County-> OLDHEALTHDEPARTMENT\_3560 [Court Services Building]  
**Time:** 11/20/2014 1:16:36 PM

**Commodity:** Natural Gas

**Natural Gas in Therms**

Total Use Summary

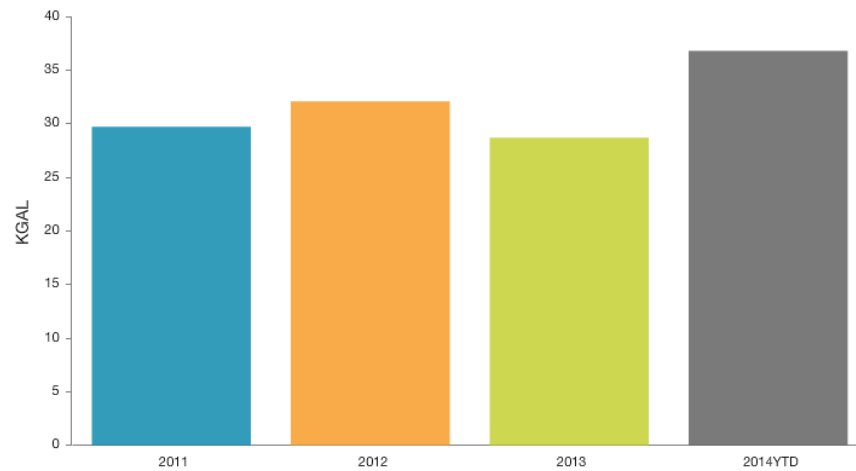


**Location:** Henderson County-> OLDHEALTHDEPARTMENT\_3560 [Court Services Building]  
**Time:** 11/20/2014 1:16:36 PM

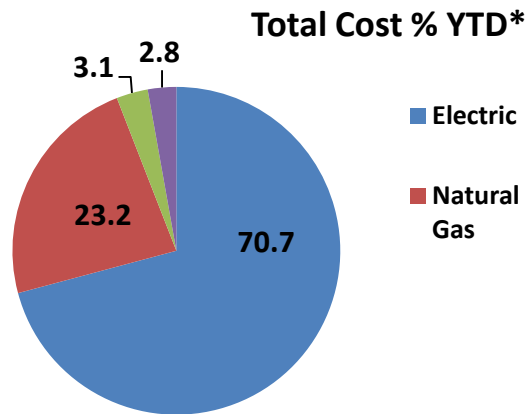
**Commodity:** Water

**Water in Thousands of Gal**

Total Use Summary

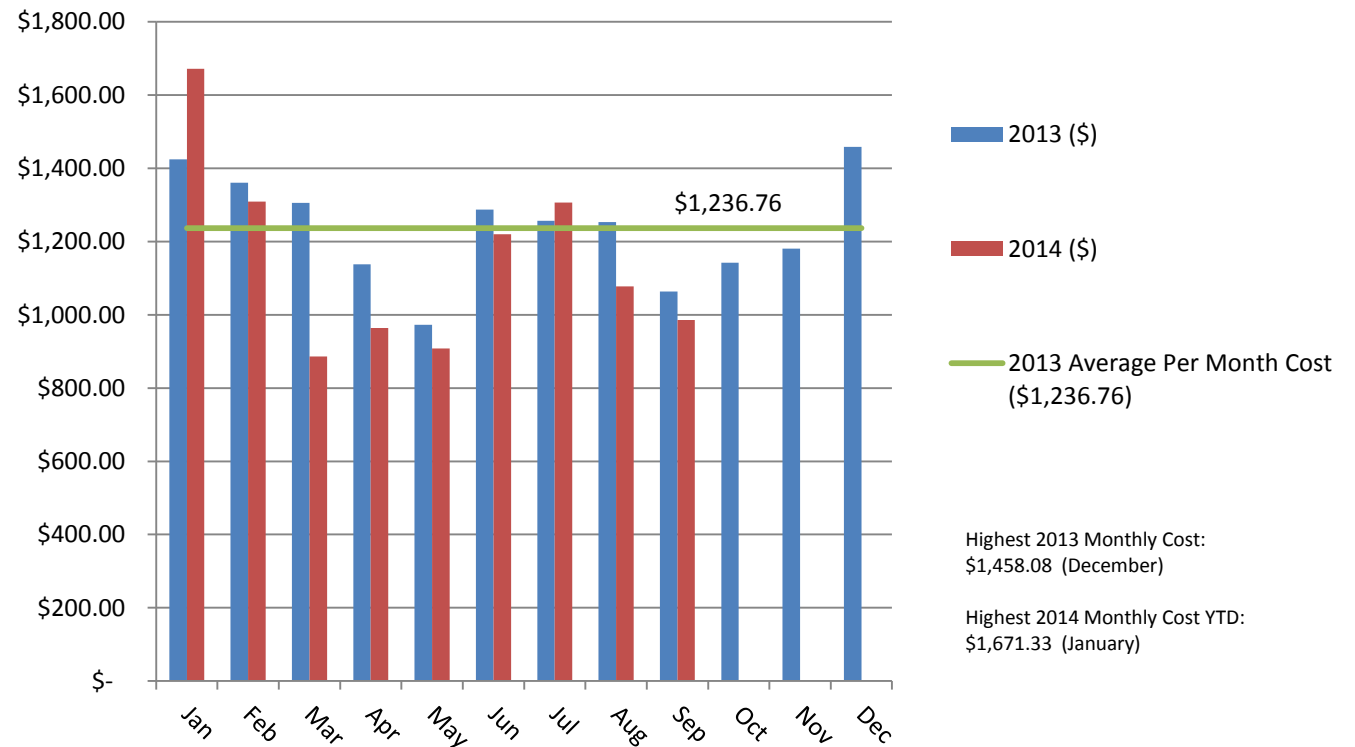


## Emergency Services Utility Use



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

## Emergency Services Electric Cost per Month Profile 2013-2014 YTD



## Emergency Services Utility Use

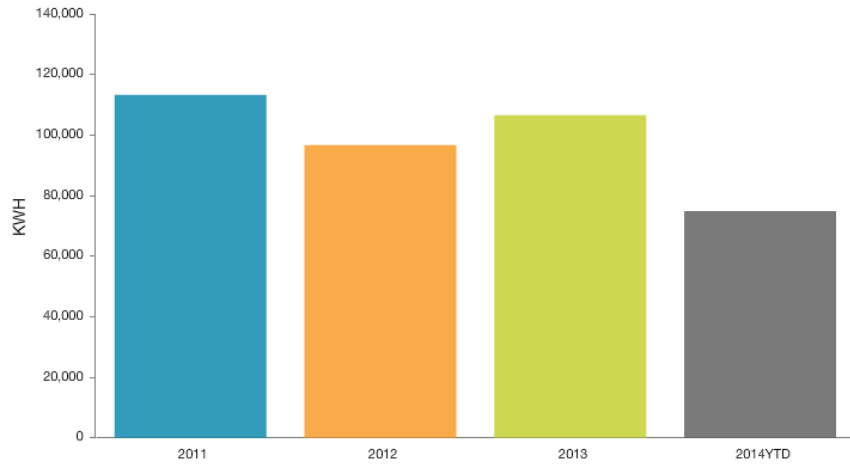
**Location:** Henderson County-> EMERGENCYSERVICES [Emergency Services]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary



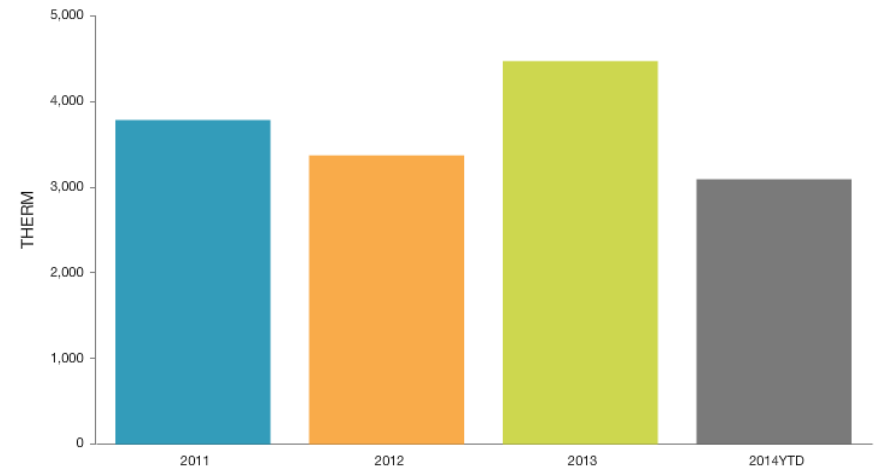
**Location:** Henderson County-> EMERGENCYSERVICES [Emergency Services]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

Natural Gas in Therms

Total Use Summary



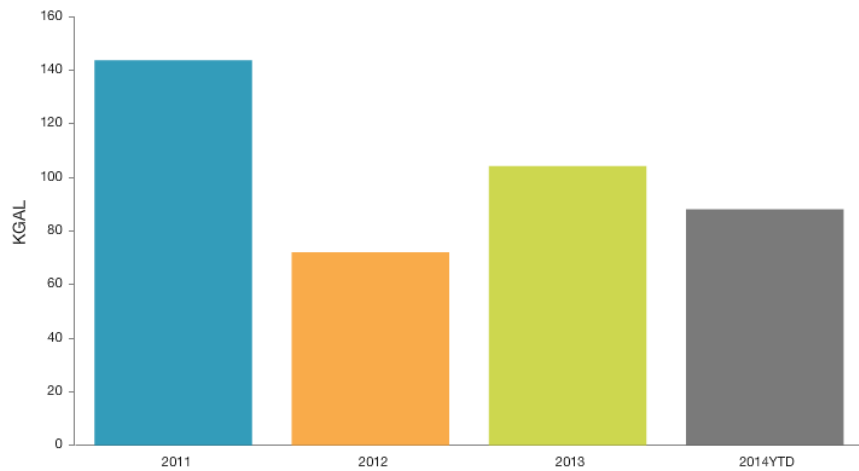
**Location:** Henderson County-> EMERGENCYSERVICES [Emergency Services]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

Water in Thousands of Gal

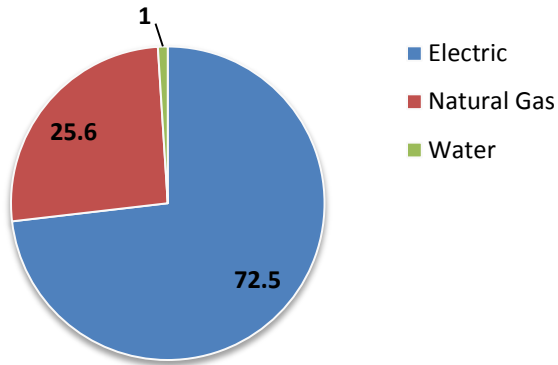
Total Use Summary





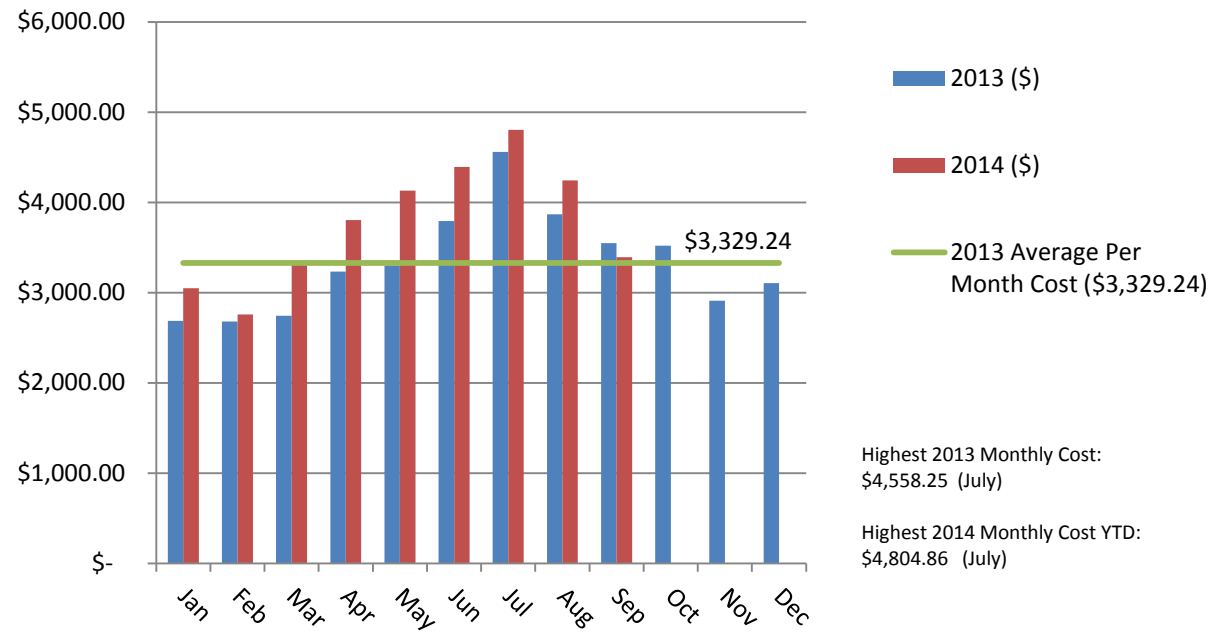
## Historic Courthouse Utility Use

**Total Cost % YTD\***



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

**Historic Courthouse Electric Cost per Month Profile  
2013-2014 YTD**



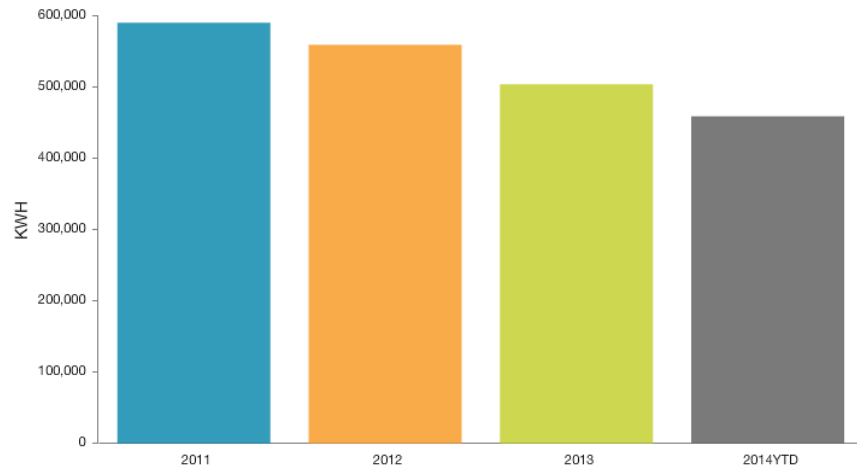
## Historic Courthouse Utility Use

**Location:** Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary

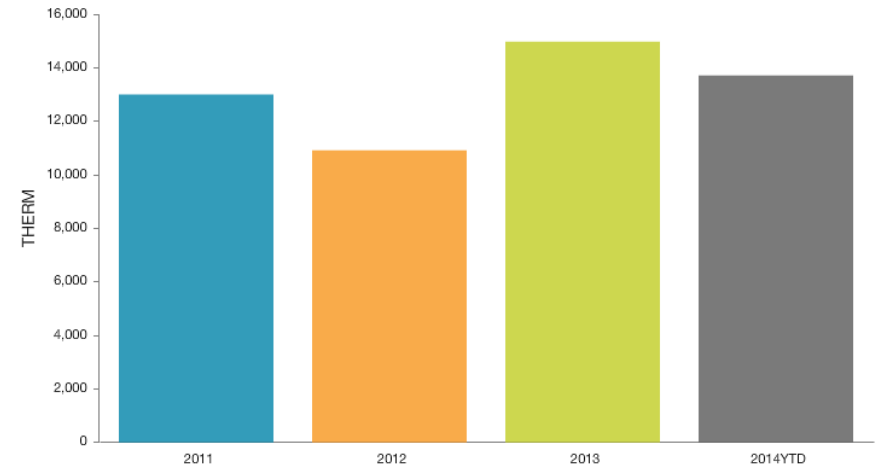


**Location:** Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

**Created By:** Rachel Hodge

Total Use Summary

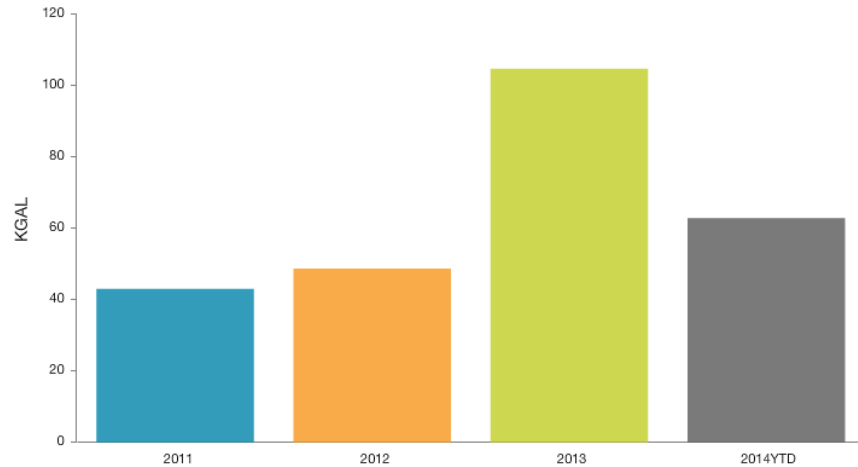


**Location:** Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

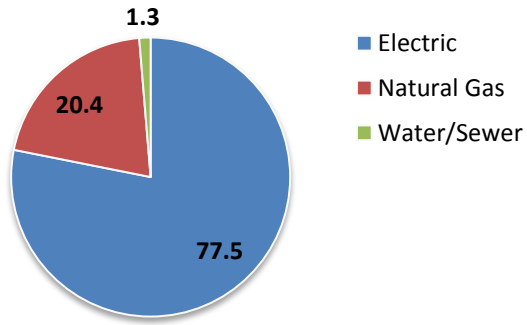
Water in Thousands of Gal

Total Use Summary



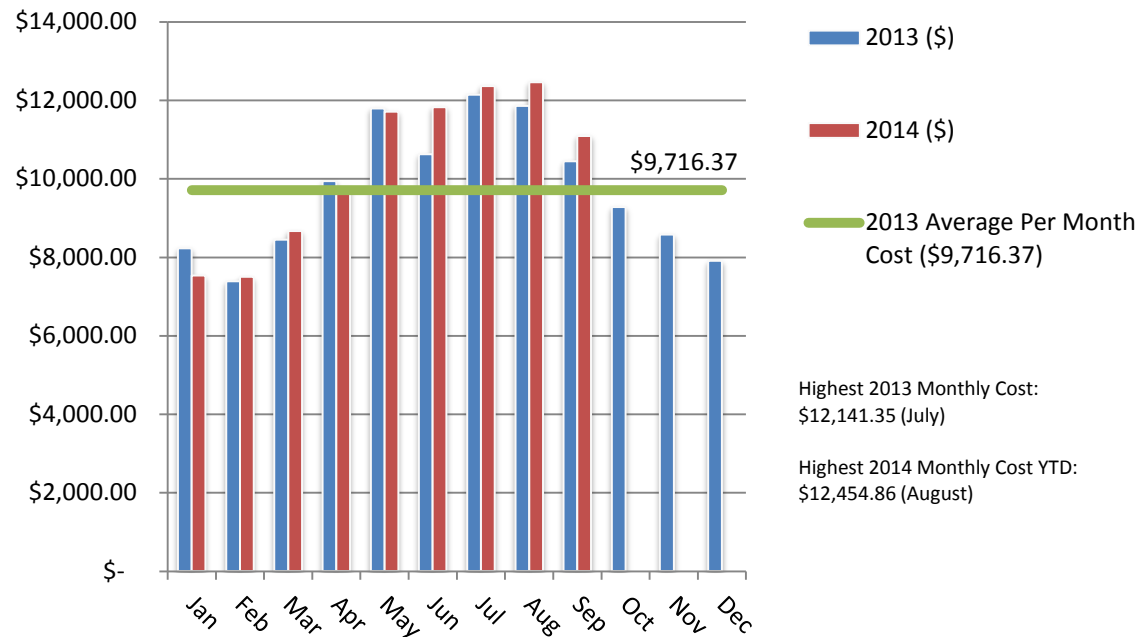
## Human Services Utility Use

**Total Cost % YTD\***



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

**Human Services Electric Cost per Month Profile  
2013-2014 YTD**



## Human Services Utility Use

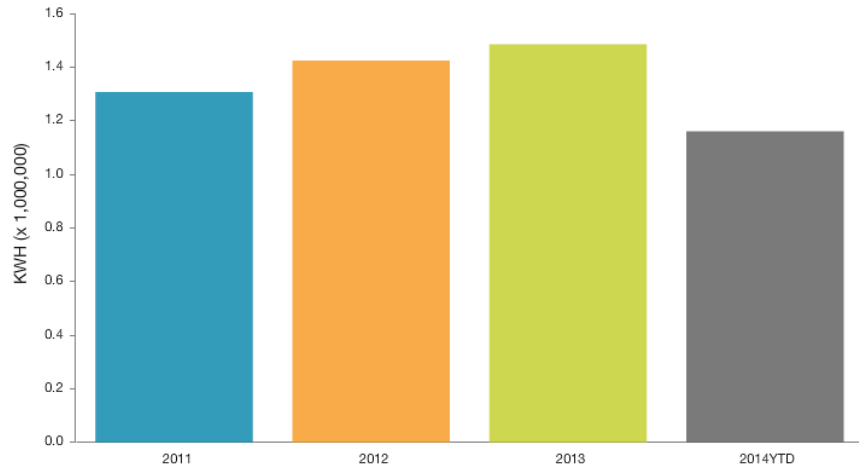
**Location:** Henderson County-> HUMANSERVICES [Human Services]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary



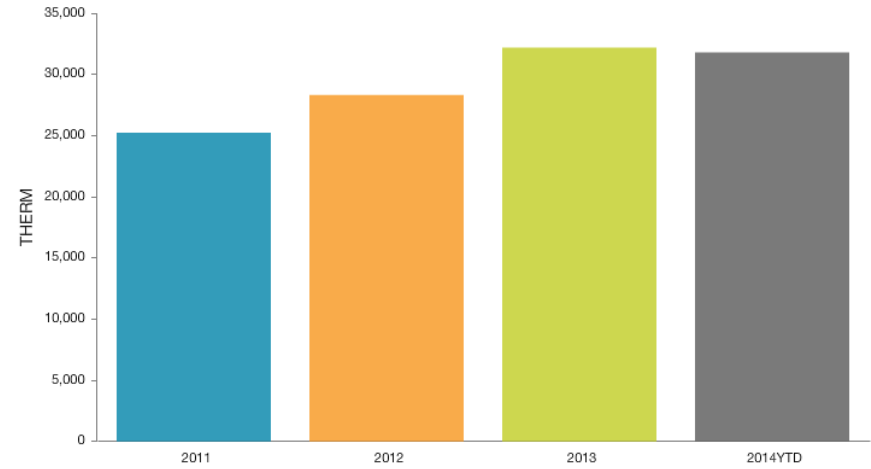
**Location:** Henderson County-> HUMANSERVICES [Human Services]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

Natural Gas in Therms

Total Use Summary



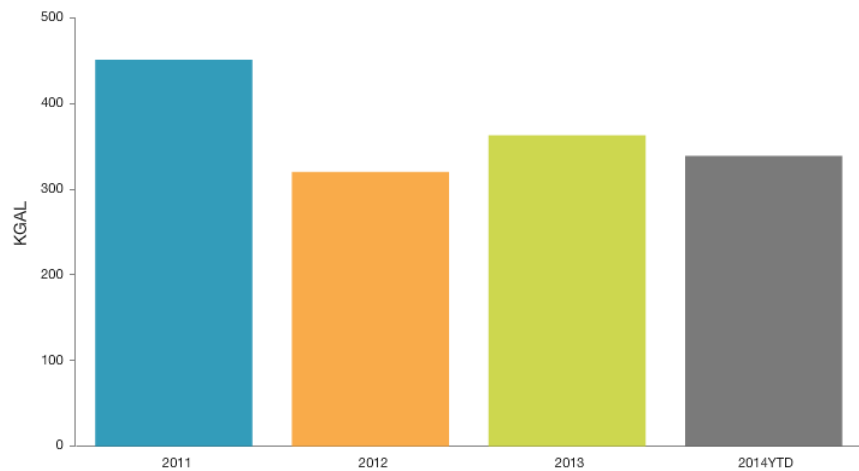
**Location:** Henderson County-> HUMANSERVICES [Human Services]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

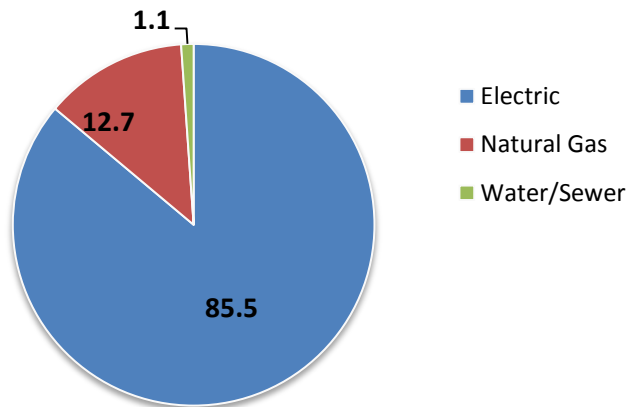
Water in Thousands of Gal

Total Use Summary



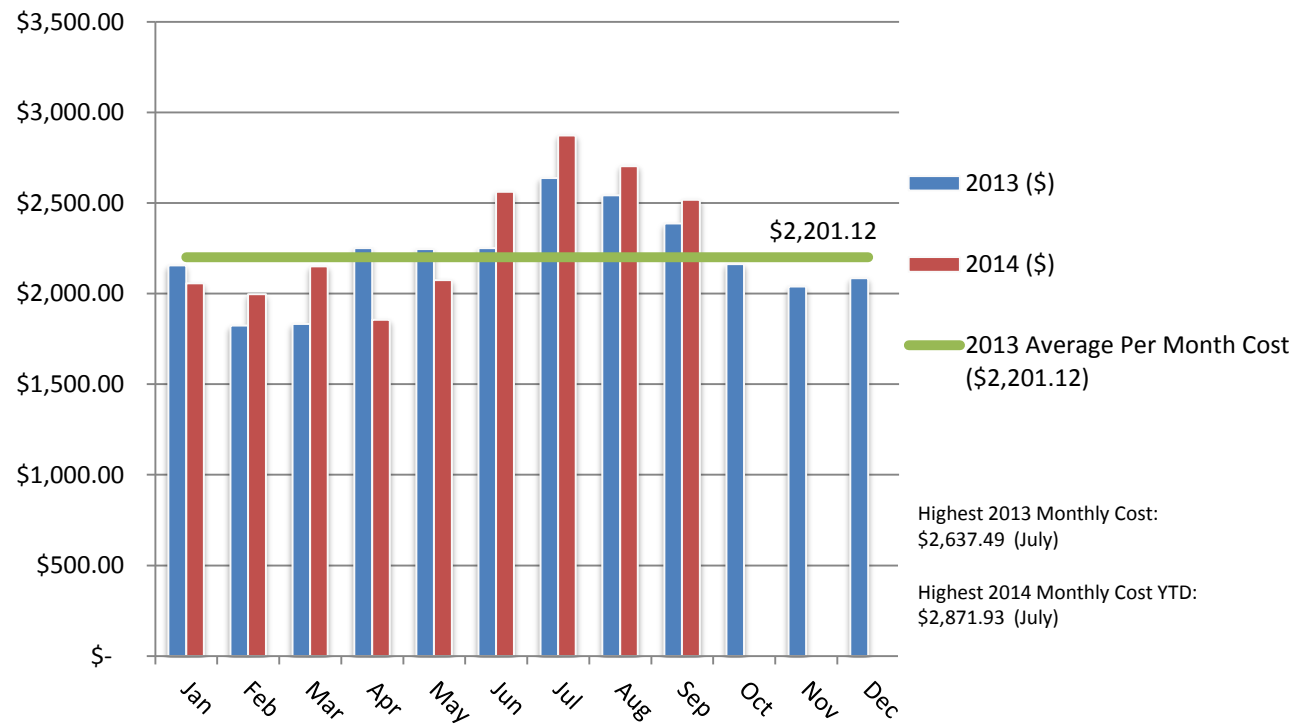
## King Street Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### King Street Electric Cost per Month Profile 2013-2014 YTD



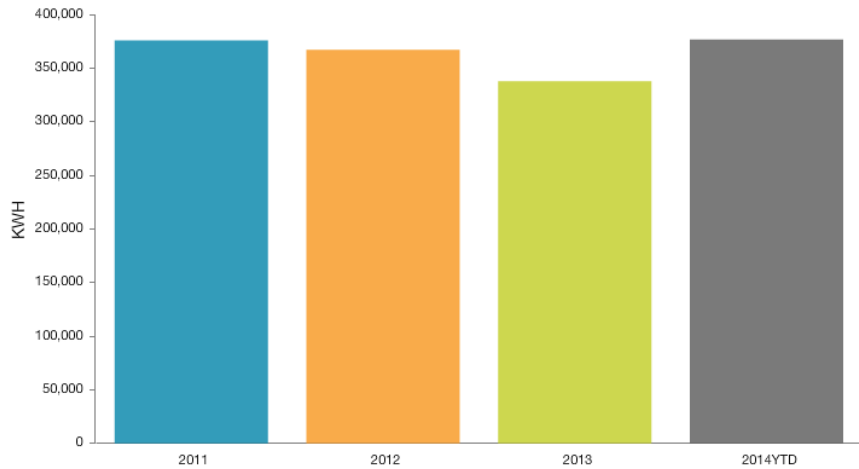
## King Street Utility Use

**Location:** Henderson County-> KINGSTREETBUILDING [King Street Building]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary

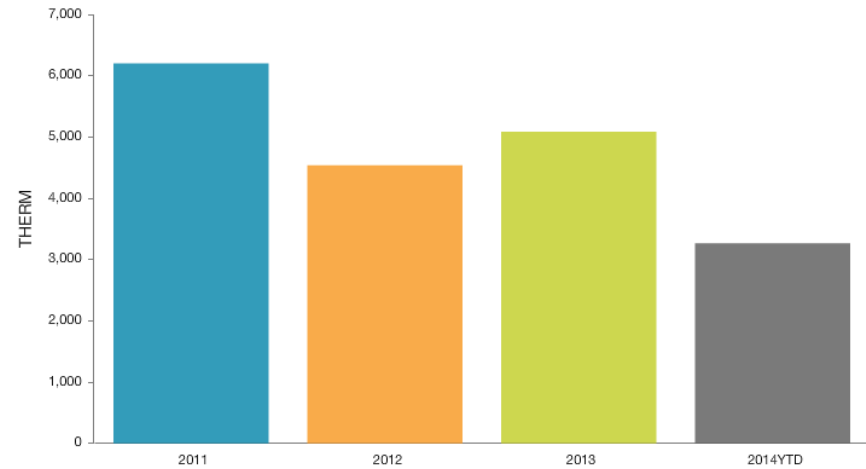


**Location:** Henderson County-> KINGSTREETBUILDING [King Street Building]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

Natural Gas in Therms

Total Use Summary

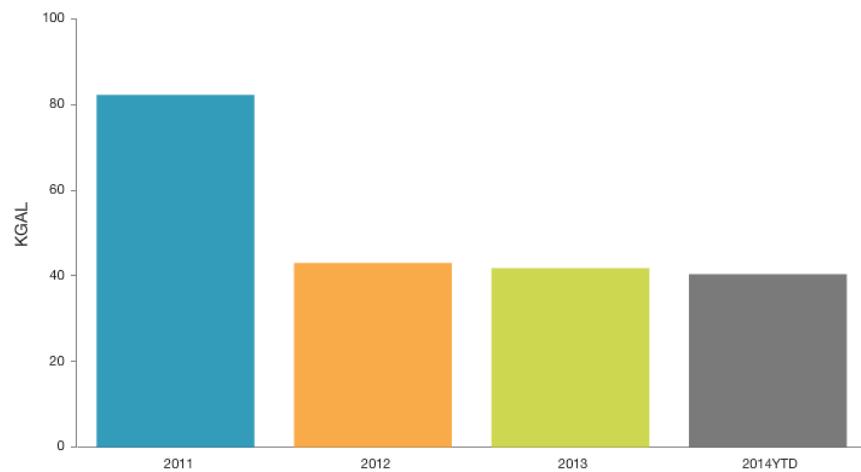


**Location:** Henderson County-> KINGSTREETBUILDING [King Street Building]  
**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

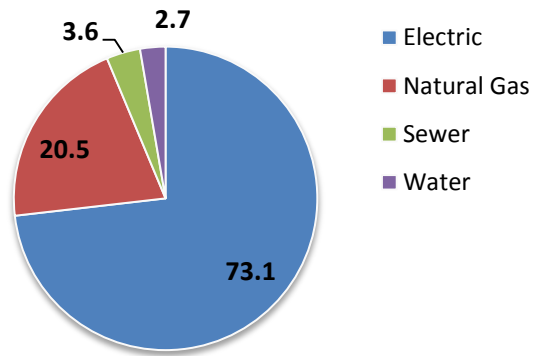
Water in Thousands of Gal

Total Use Summary



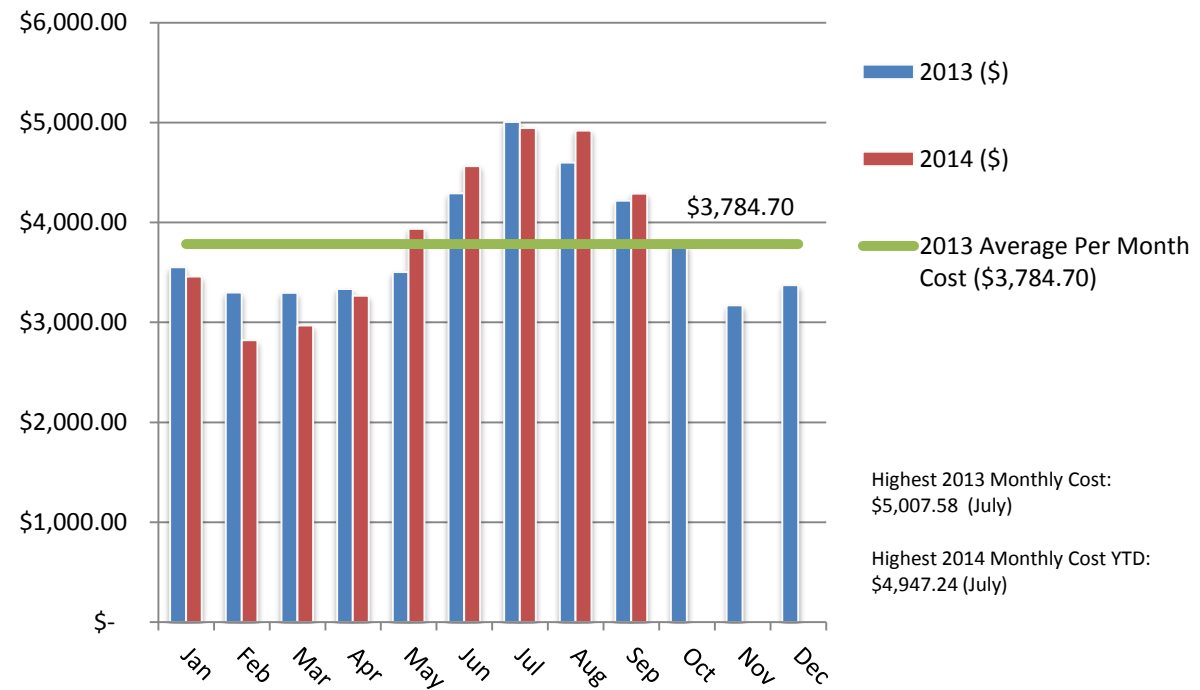
## Library Utility Use

**Total Cost % YTD\***



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

**Libraries Electric Cost per Month Profile  
2013-2014 YTD**



## Library Utility Use

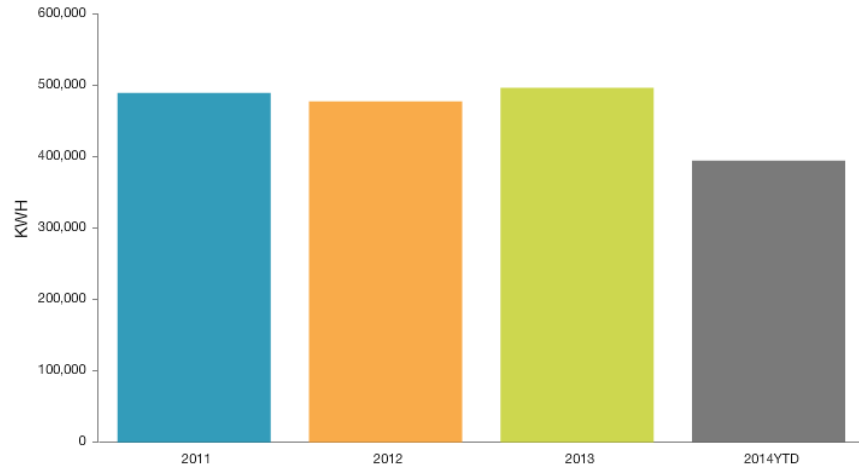
**Location:** Henderson County-> LIBRARY [Library]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary



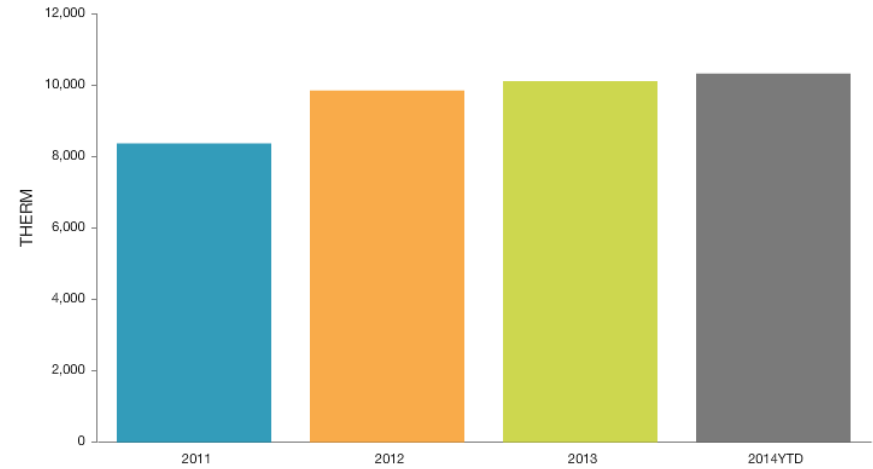
**Location:** Henderson County-> LIBRARY [Library]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

Natural Gas in Therms

Total Use Summary



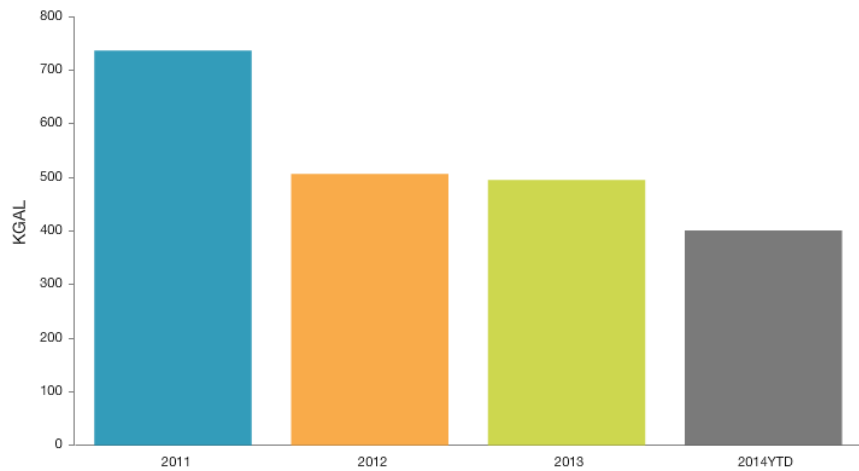
**Location:** Henderson County-> LIBRARY [Library]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

Water in Thousands of Gal

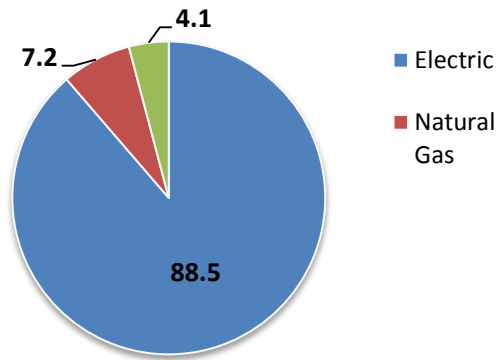
Total Use Summary





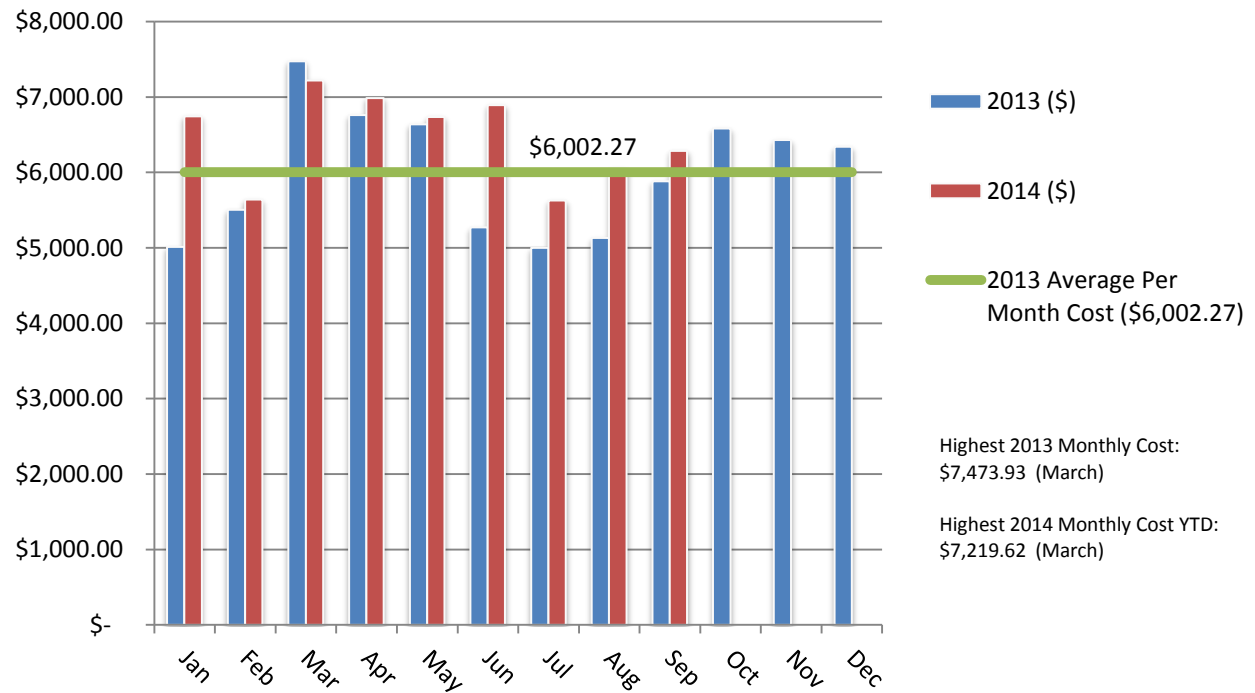
## Parks and Recreation Utility Use

**Total Cost % YTD\***



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

**Parks & Recreation Electric Cost per Month Profile 2013-2014 YTD**



## Parks and Recreation Utility Use

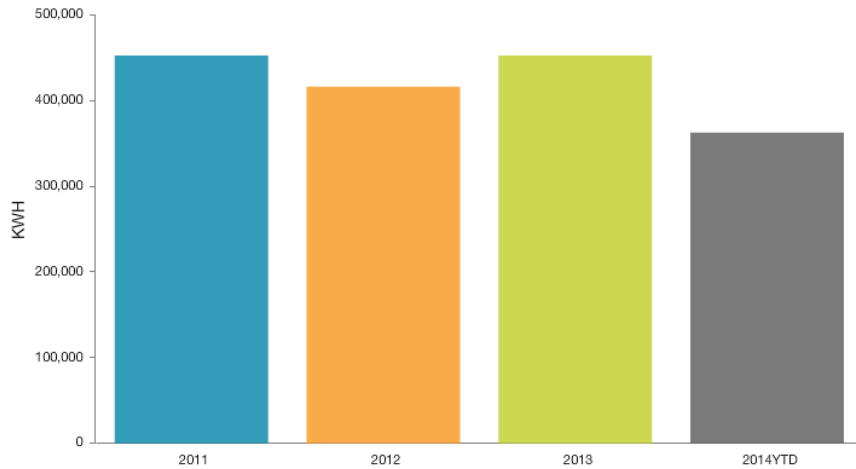
**Location:** Henderson County-> PARKS&RECREATION [Parks & Recreation]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary



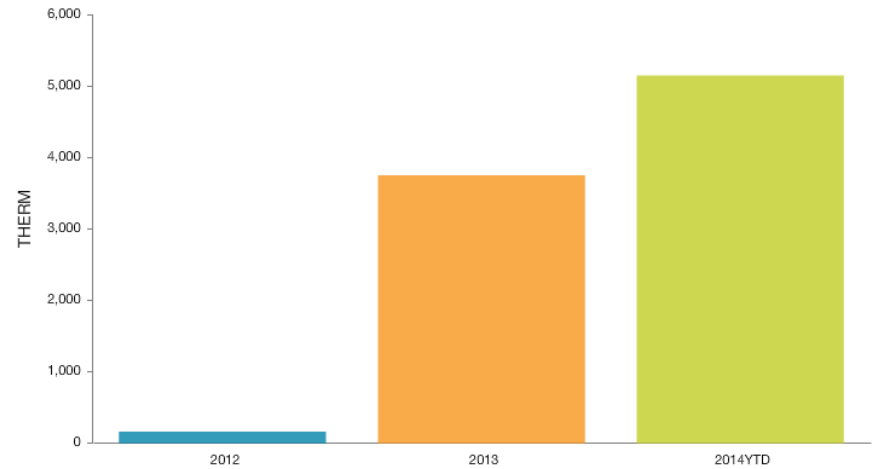
**Location:** Henderson County-> PARKS&RECREATION [Parks & Recreation]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Natural Gas

Natural Gas in Therms

Total Use Summary



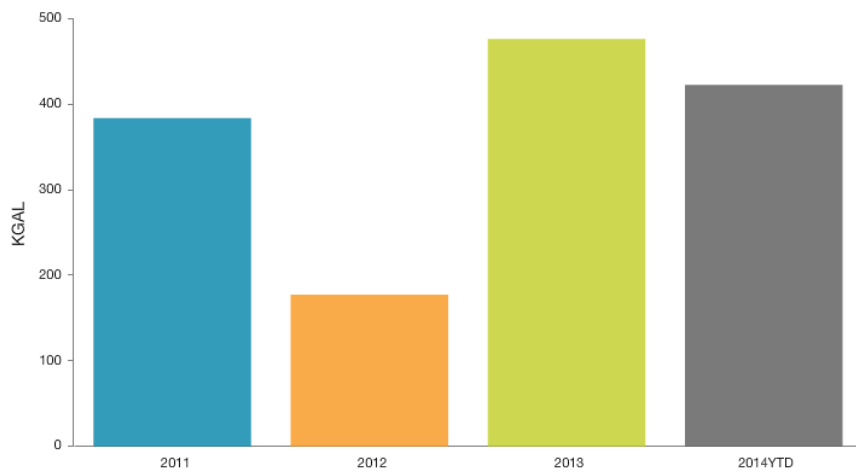
**Location:** Henderson County-> PARKS&RECREATION [Parks & Recreation]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

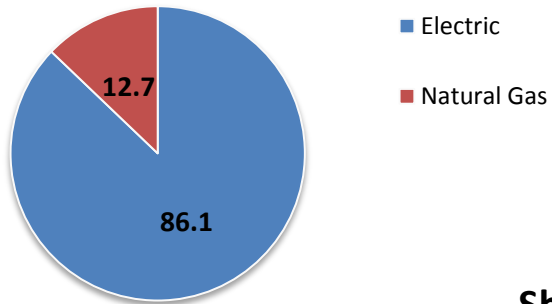
Water in Thousands of Gal

Total Use Summary



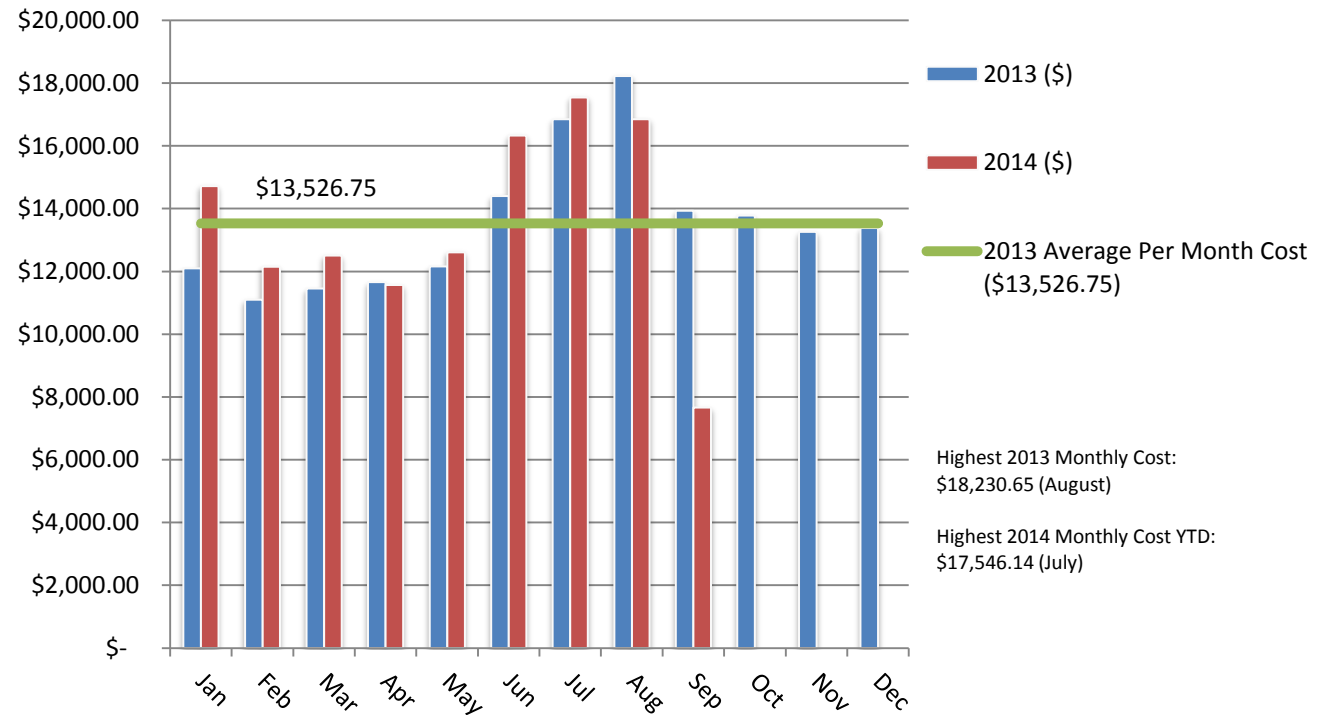
## Sheriff Utility Use

### Total Cost % YTD\*



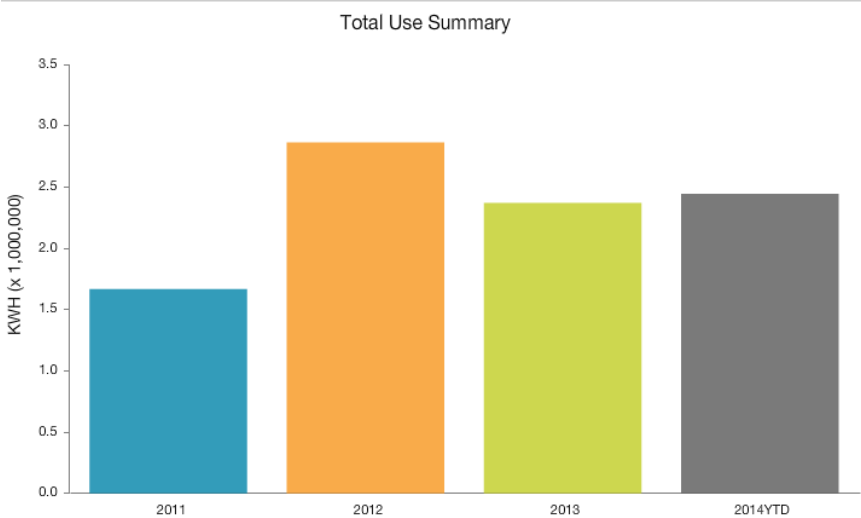
\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Sheriff's Complex Electric Cost per Month Profile 2013-2014 YTD

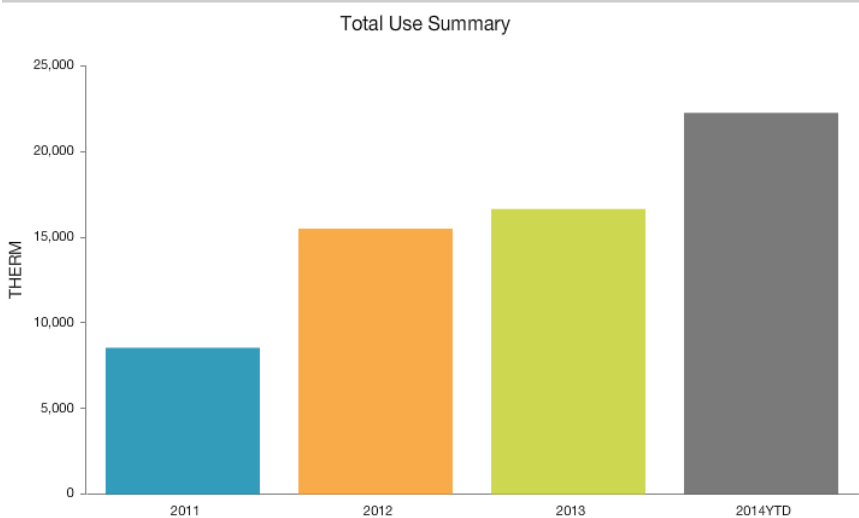


Sheriff Utility Use

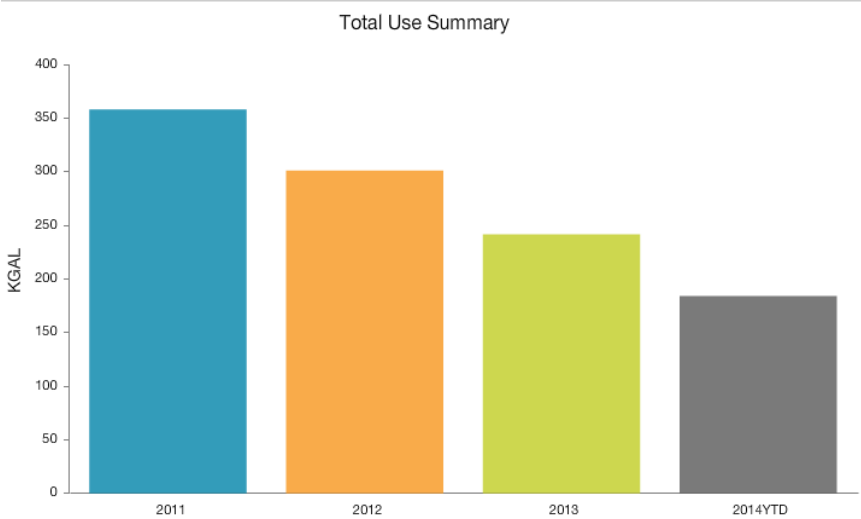
Location: Henderson County-> SHERIFF [Sheriff]  
Time: 11/20/2014 12:15:43 PM      Commodity: Electric      Electricity in KWH



Location: Henderson County-> SHERIFF [Sheriff]  
Time: 11/20/2014 12:15:43 PM      Commodity: Natural Gas      Natural Gas in Therms

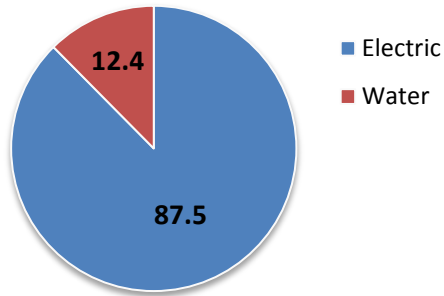


Location: Henderson County-> SHERIFF [Sheriff]  
Time: 11/20/2014 12:15:43 PM      Commodity: Water      Water in Thousands of Gal



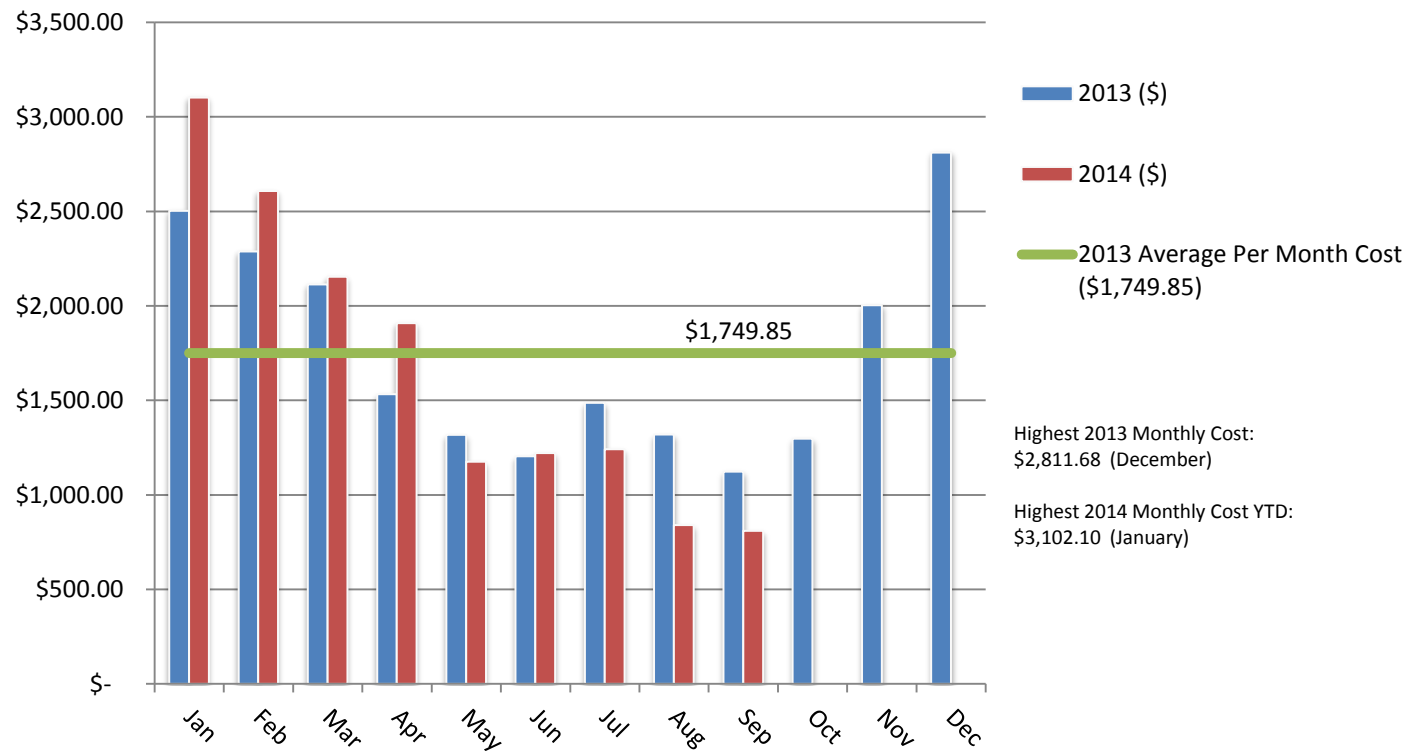
## Solid Waste Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Solid Waste Electric Cost per Month Profile 2013-2014 YTD



## Solid Waste Utility Use

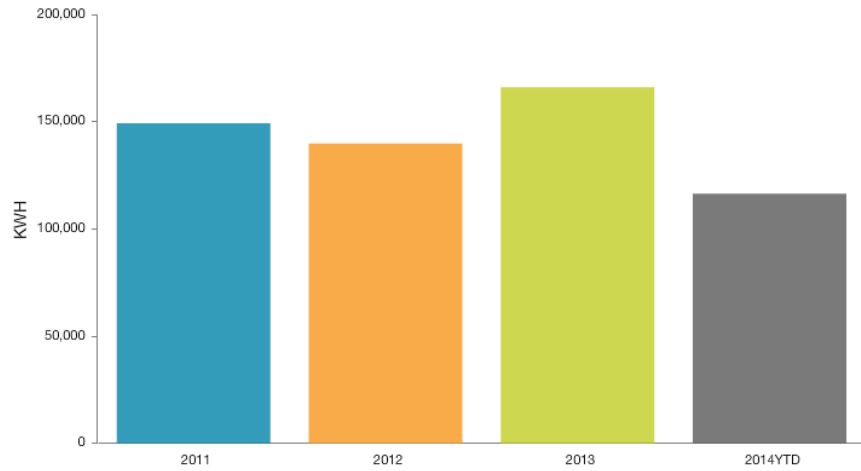
**Location:** Henderson County-> SOLIDWASTE [Solid Waste]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Electric

Electricity in KWH

Total Use Summary



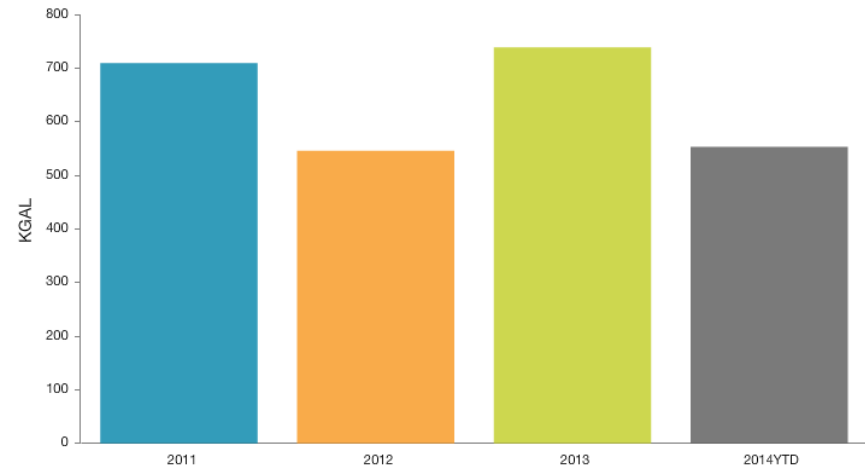
**Location:** Henderson County-> SOLIDWASTE [Solid Waste]

**Time:** 11/20/2014 12:15:43 PM

**Commodity:** Water

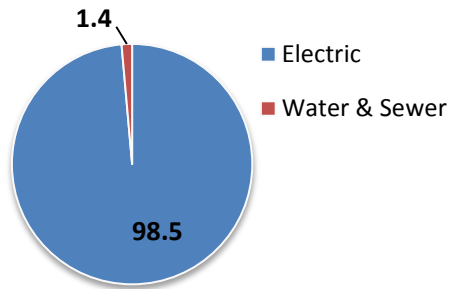
Water in Thousands of Gal

Total Use Summary



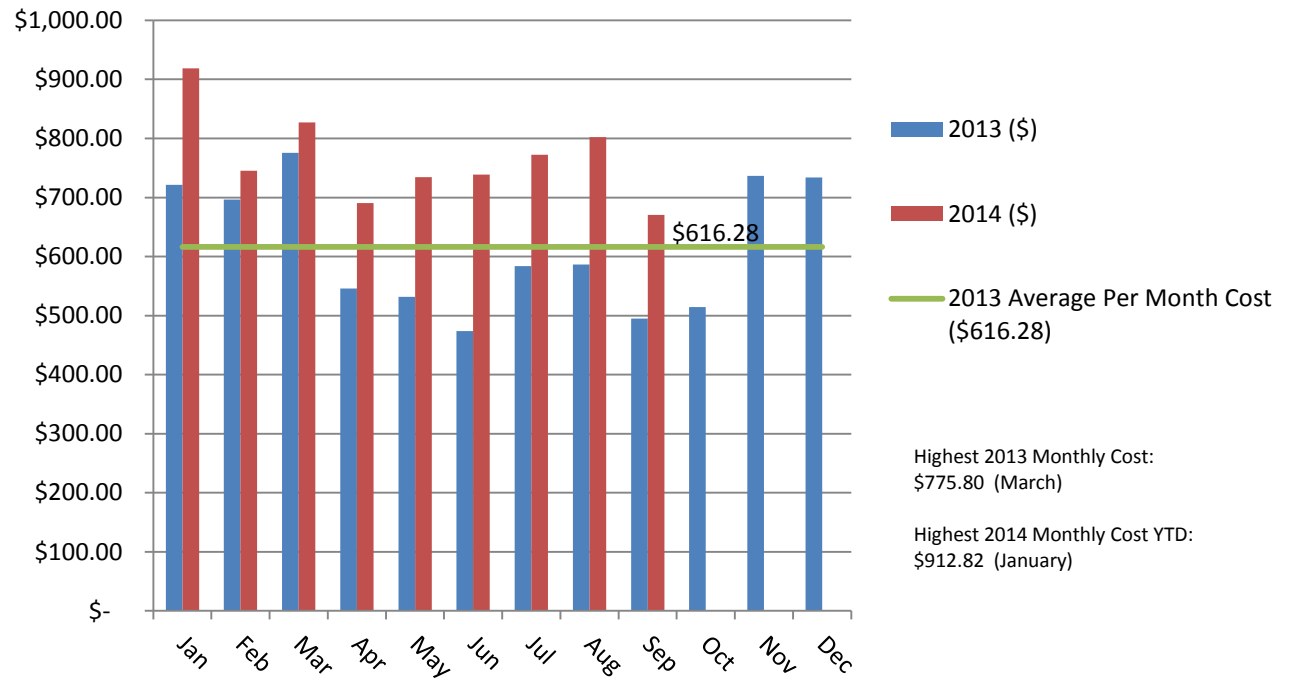
## Travel and Tourism Utility Use

### Total Cost % YTD\*



\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

### Travel & Tourism Electric Cost per Month Profile 2013-2014 YTD



Highest 2013 Monthly Cost:  
\$775.80 (March)

Highest 2014 Monthly Cost YTD:  
\$912.82 (January)

Location: Henderson County-> TRAVEL&TOURISM [Travel & Tourism]

Time: 11/20/2014 12:15:43 PM

Commodity: Electric

Electricity in KWH

### Total Use Summary

