

**REQUEST FOR BOARD ACTION**

**HENDERSON COUNTY  
BOARD OF COMMISSIONERS**

**MEETING DATE:** Monday, March 2, 2015

**SUBJECT:** Energy Management Update

**PRESENTER:** Rachel Hodge, Environmental Programs Coordinator

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

**SUMMARY OF REQUEST:**

The attachment provides information to the Board about the County's energy management use across all County facilities in the areas of electricity, natural gas, fuel and water. It compares the current FY second 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:**

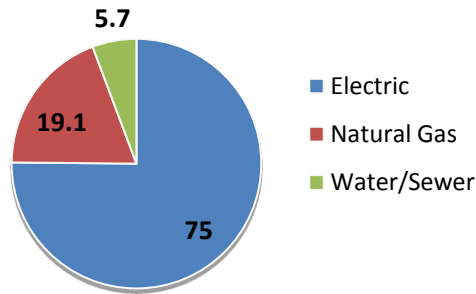
No Board action is requested. This item is for informational purposes only.

**Suggested Motion:**

*No motion suggested.*

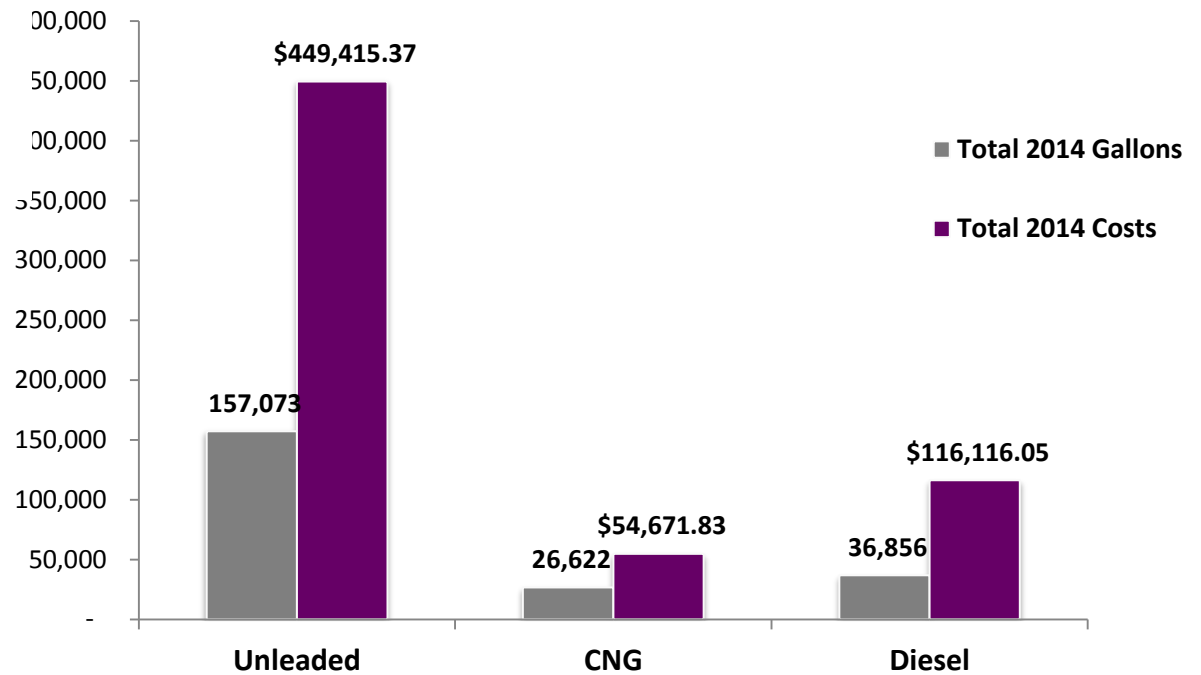
# Energy and Fuel Reduction Plan Status for Qtr 2- FY15 (October- December 2014) BOC Meeting: March 2, 2015

## \*Expense Breakdown of Henderson County Facilities in Total Costs YTD %



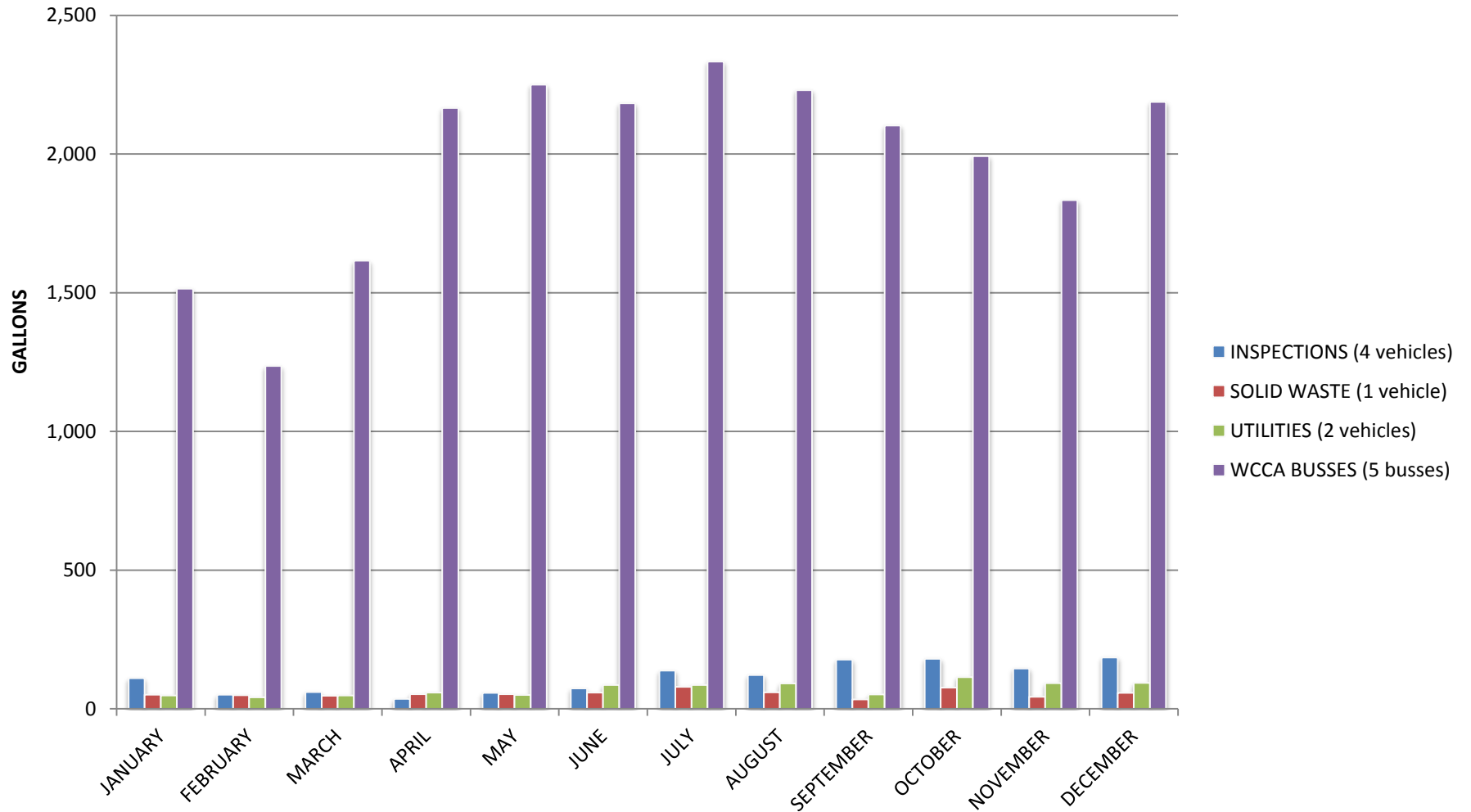
\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

## 2014 Henderson County Fuels Totals for All Fleets\*

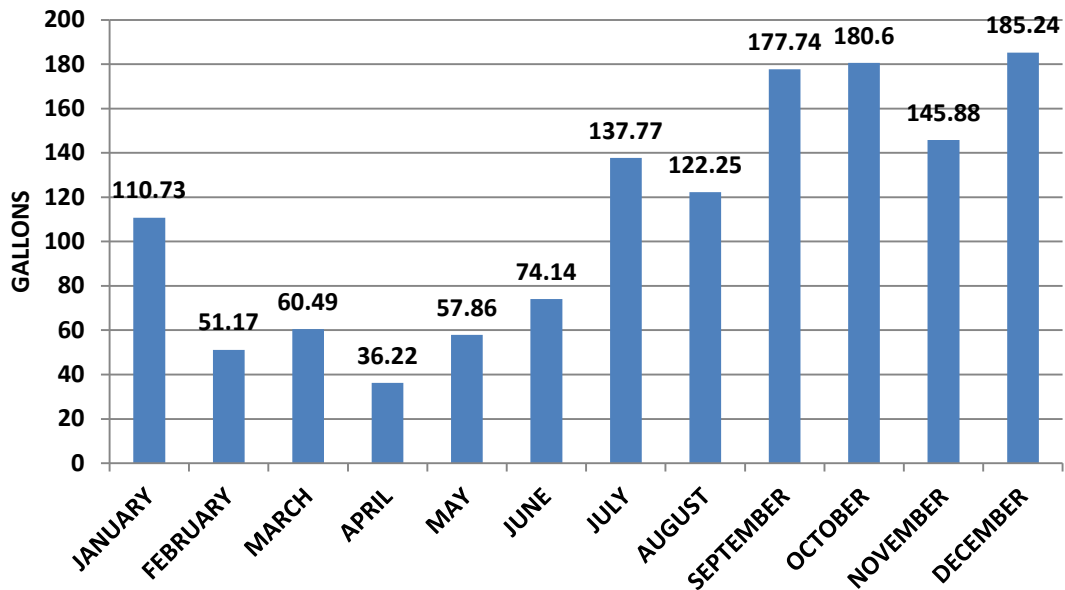


\* These totals are approximate but close to actual usage and costs of fuel from January 1, 2014 to December 31, 2014. Fuel usage represented in this chart displays only those gallons purchased at the Henderson County owned/operated station located on Williams Street.

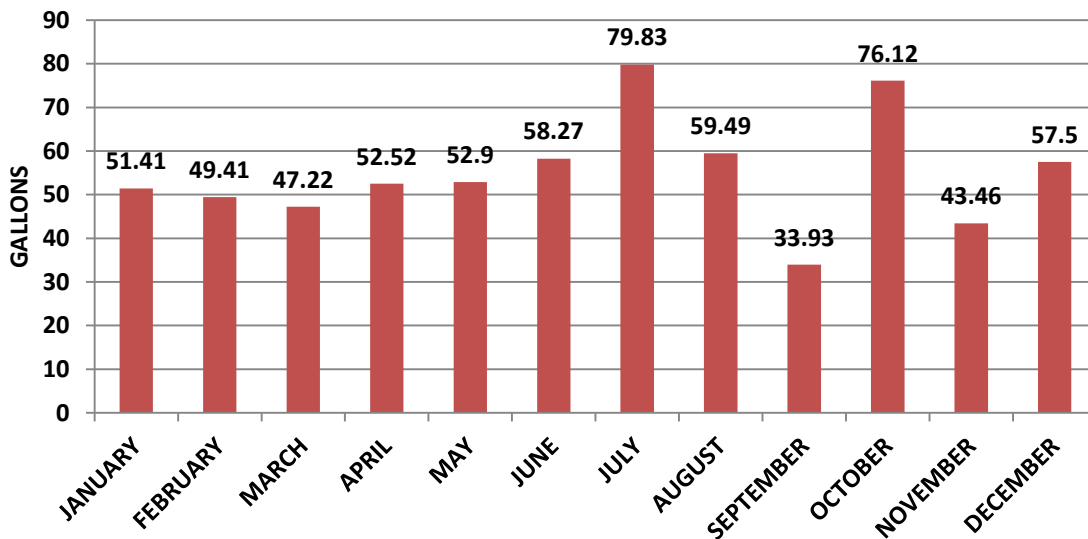
## 2014 CNG Usage in Gallons per Month by Department



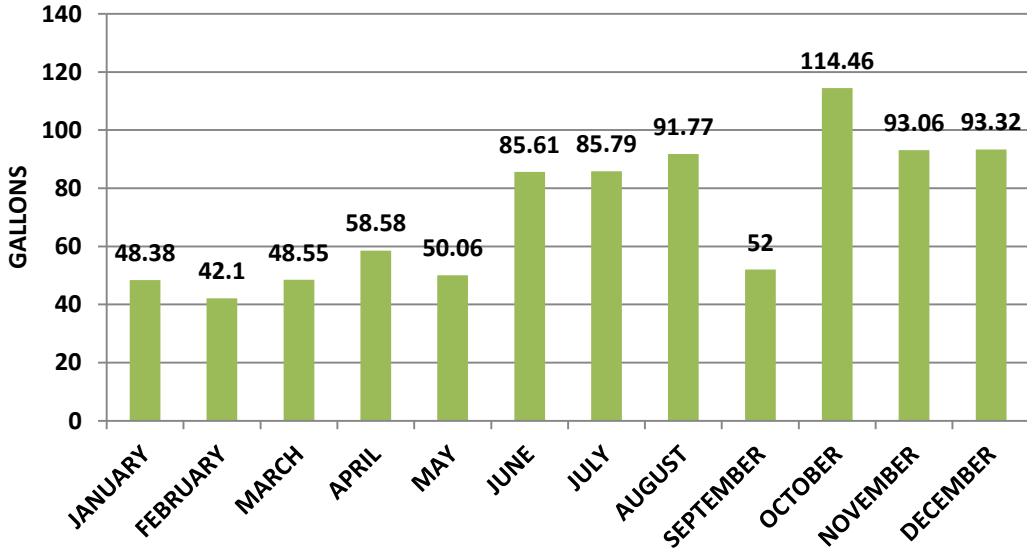
## 2014 CNG Usage in Gallons per Month by Department: INSPECTIONS (4 vehicles)



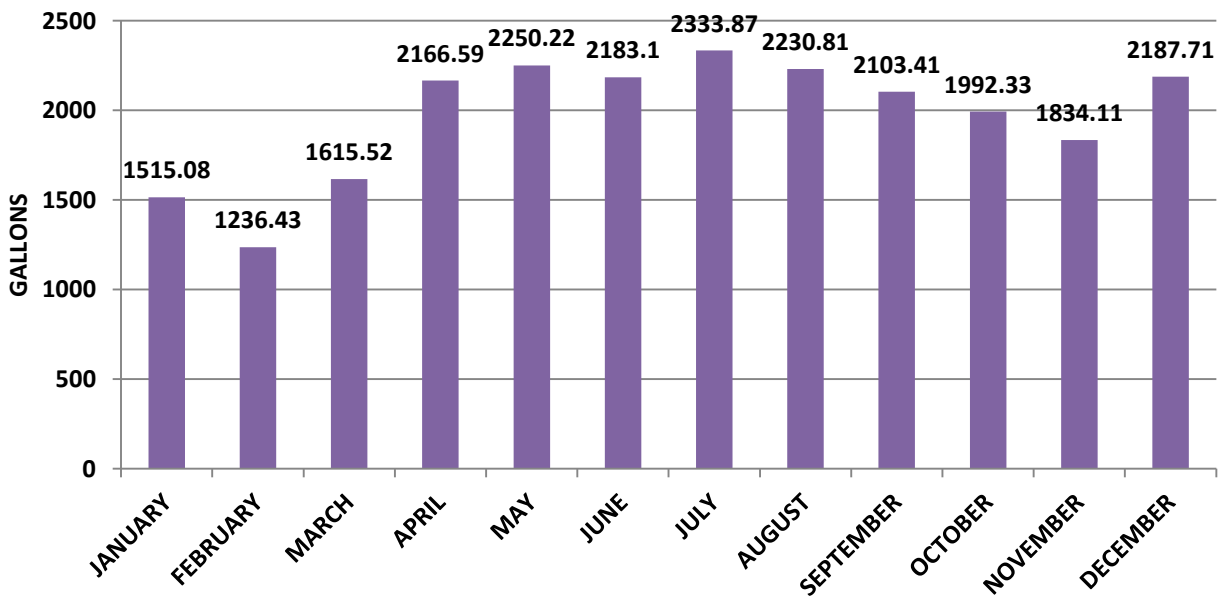
## 2014 CNG Usage in Gallons per Month by Department: SOLID WASTE (1 vehicle)



## 2014 CNG Usage in Gallons per Month by Department: UTILITIES (2 vehicles)

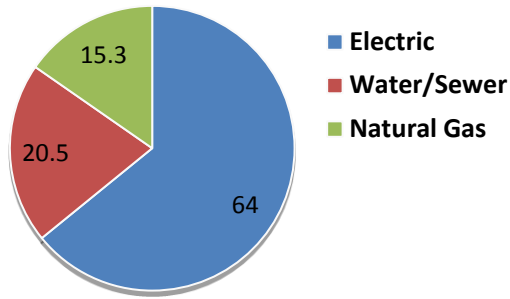


## 2014 CNG Usage in Gallons per Month by Department: WCCA (5 busses)



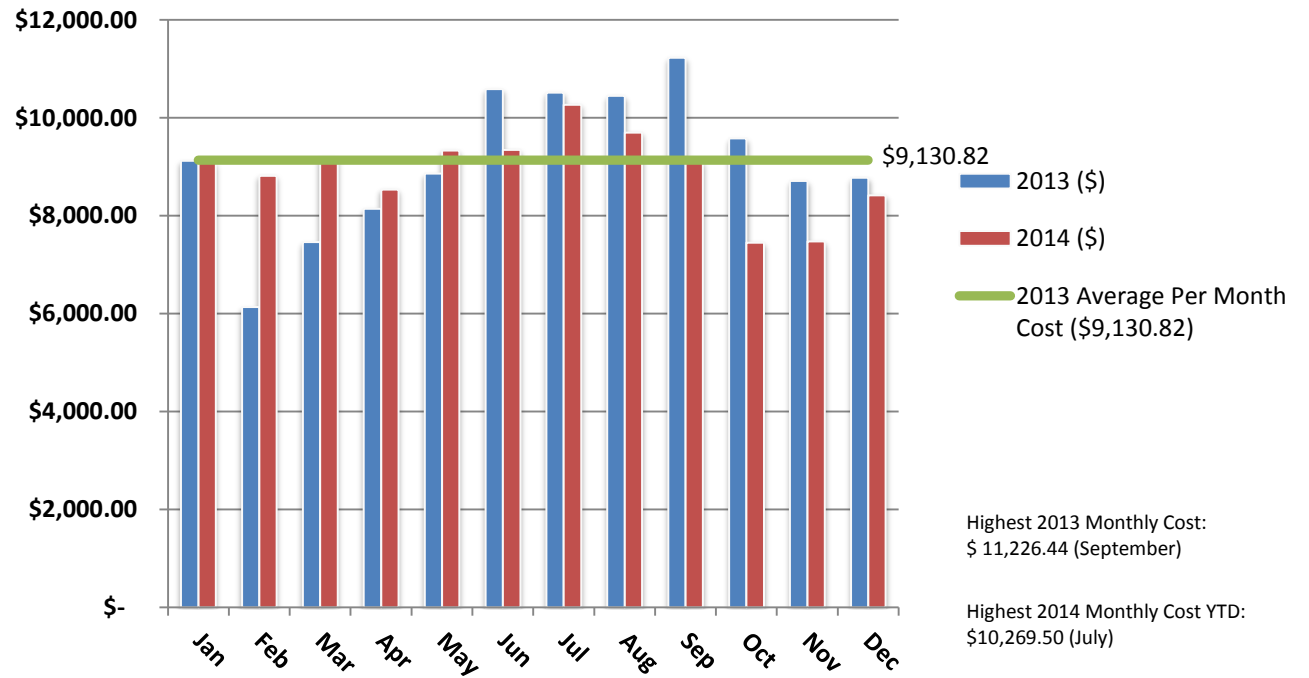
## 1995 Courthouse Utility Use

### Total Cost % YTD\*



\* The cost percentae 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).

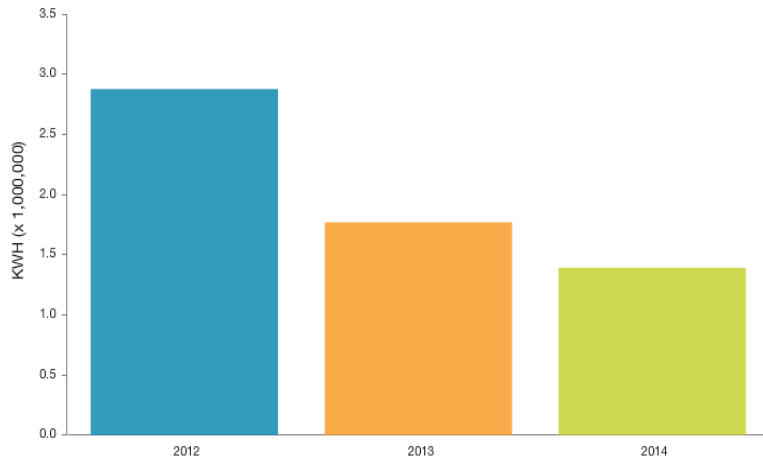
### 95 Courthouse Electric Cost per Month Profile 2013-2014 YTD



# 1995 Courthouse Utility Use

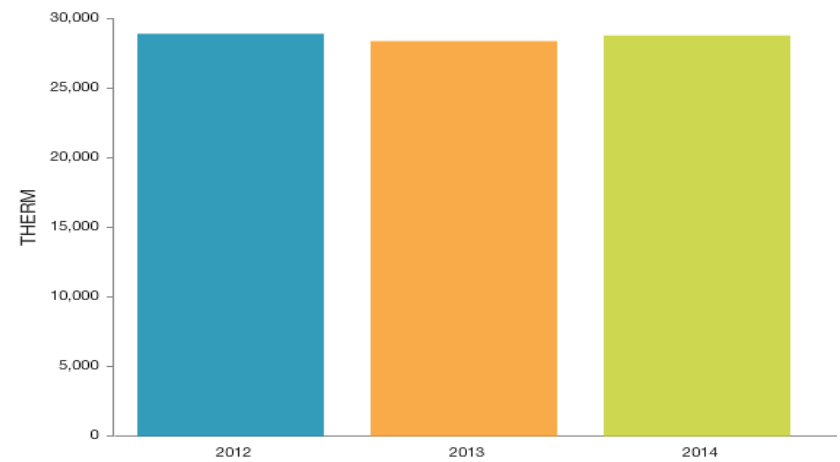
**Location:** Henderson County-> 95COURTHOUSE [95 Courthouse]  
**Time:** 02/06/2015 5:18:19 PM  
**Commodity:** Electric  
**Electricity in KWH**

Total Use Summary



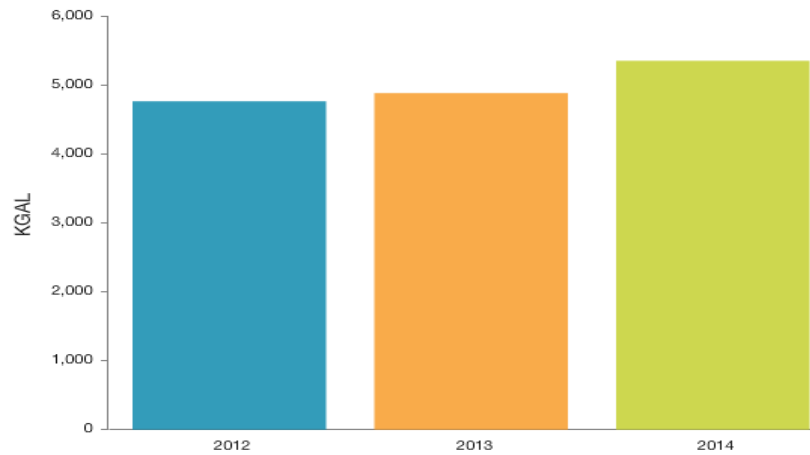
**Location:** Henderson County-> 95COURTHOUSE [95 Courthouse]  
**Time:** 02/06/2015 5:18:19 PM  
**Commodity:** Natural Gas  
**Natural Gas in Therms**

Total Use Summary



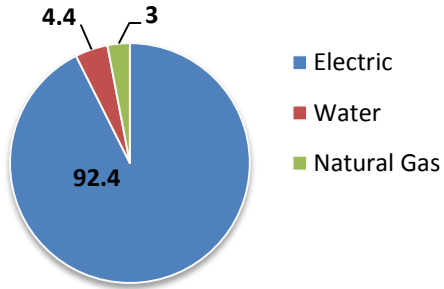
**Location:** Henderson County-> 95COURTHOUSE [95 Courthouse]  
**Time:** 02/06/2015 5:18:19 PM  
**Commodity:** Water  
**Water in Thousands of Gal**

Total Use Summary



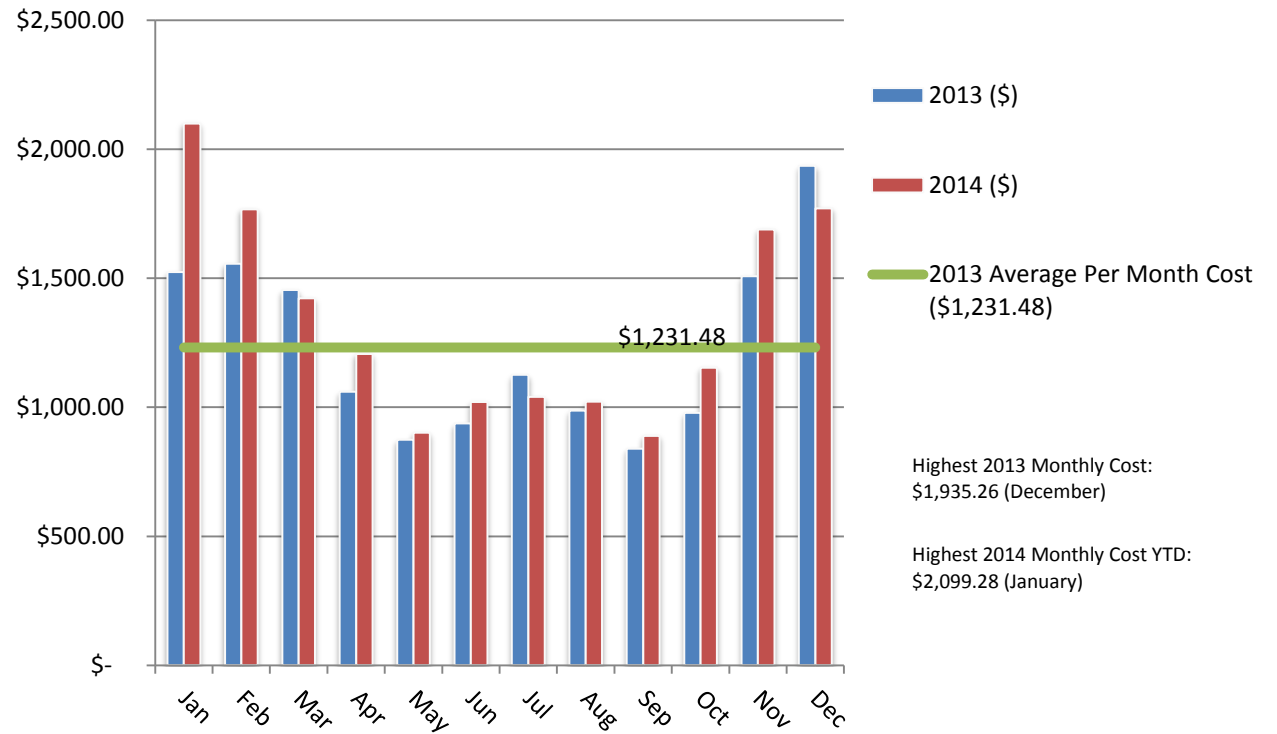
## Animal Services Utility Use

### 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



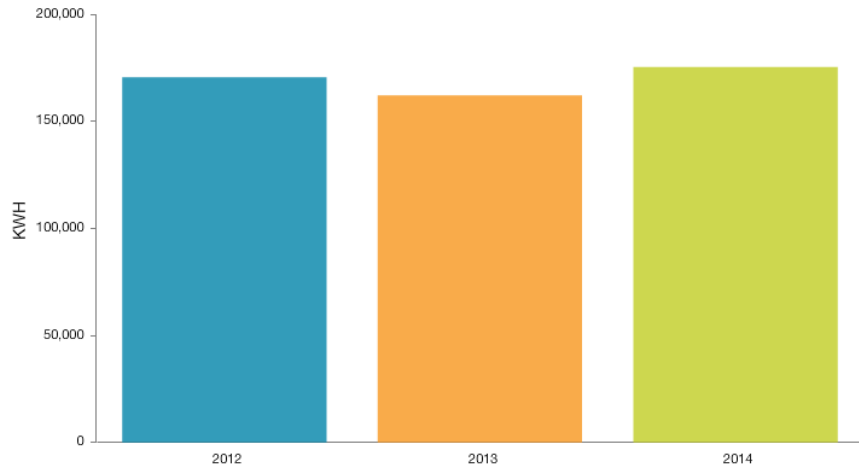


# Animal Services Utility Use

**Location:** Henderson County-> Animal Services-> ANIMALSHELTER\_3560 [Animal Shelter]  
**Time:** 02/04/2015 1:17:08 PM  
**Commodity:** Electric

Electricity in KWH

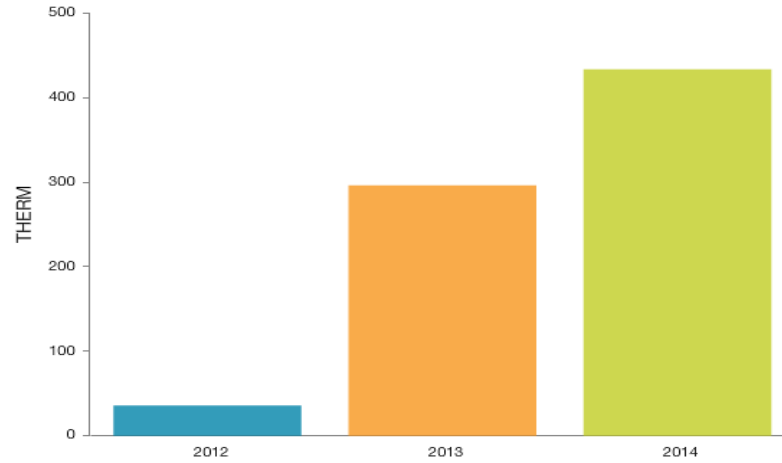
Total Use Summary



**Location:** Henderson County-> Animal Services-> ANIMALSHELTER\_3560 [Animal Shelter]  
**Time:** 02/04/2015 1:17:08 PM  
**Commodity:** Natural Gas

Natural Gas in Therms

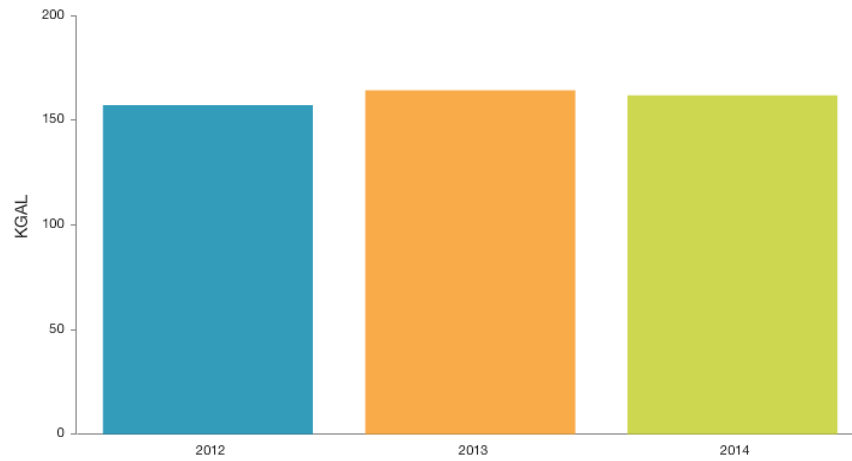
Total Use Summary



**Location:** Henderson County-> Animal Services-> ANIMALSHELTER\_3560 [Animal Shelter]  
**Time:** 02/04/2015 1:17:08 PM  
**Commodity:** Water

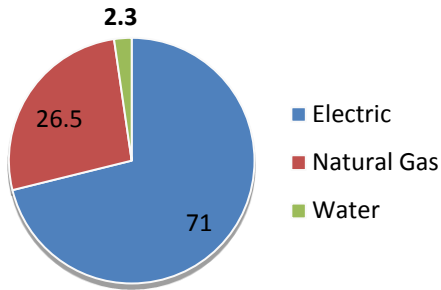
Water in Thousands of Gal

Total Use Summary



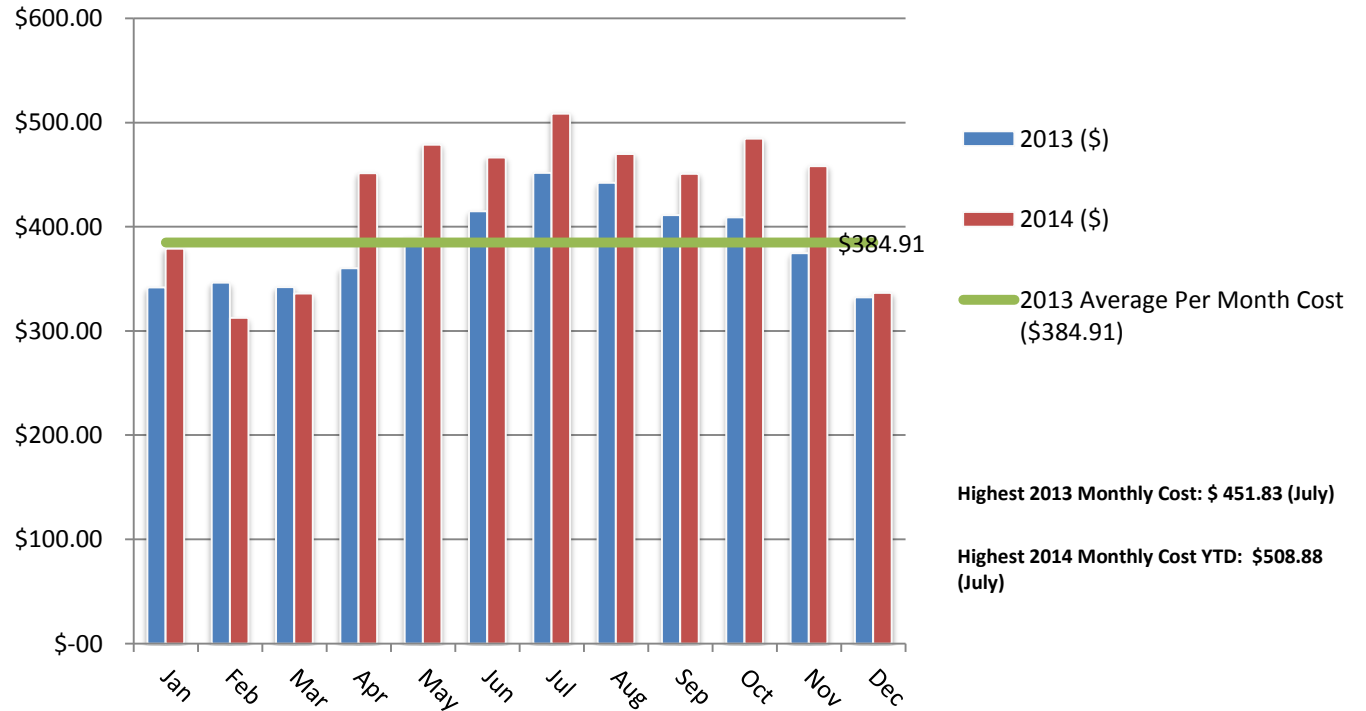
## Board of Elections Utility Use

### 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

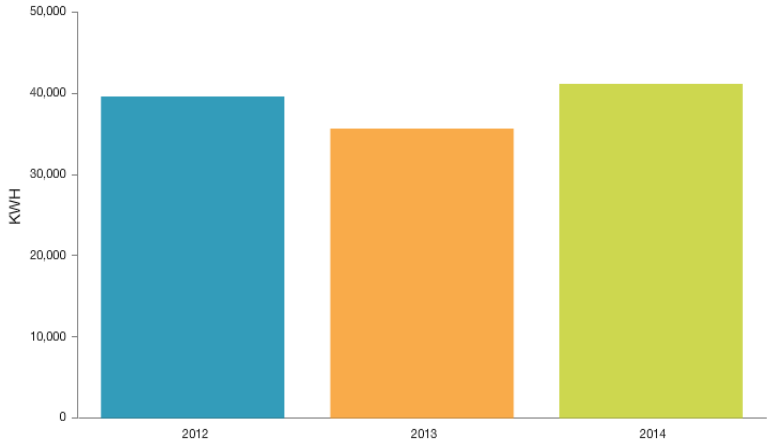


# Board of Elections Utility Use

**Location:** Henderson County-> Board Of Elections-> BOARDOFELECTIONS\_3560 [Board Of Elections]  
**Time:** 02/04/2015 1:17:08 PM **Commodity:** Electric

## Electricity in KWH

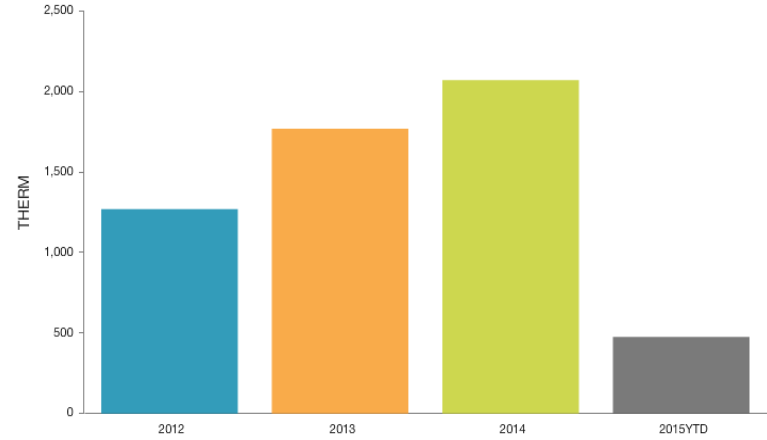
Total Use Summary



**Location:** Henderson County-> Board Of Elections-> BOARDOFELECTIONS\_3560 [Board Of Elections]  
**Time:** 02/04/2015 1:17:08 PM **Commodity:** Natural Gas

## Natural Gas in Therms

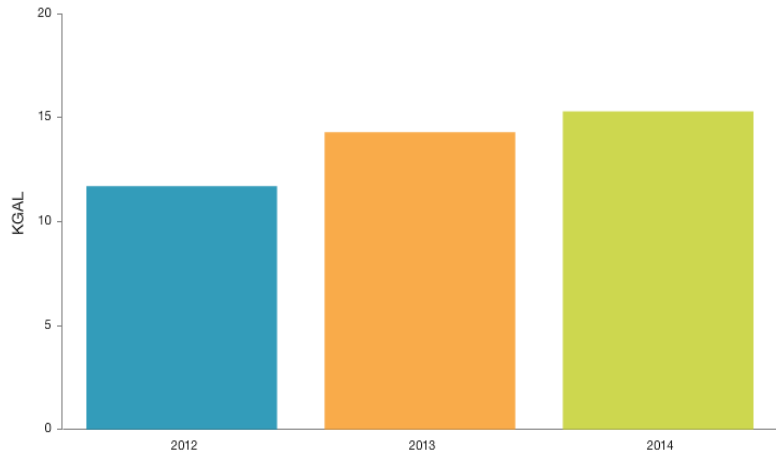
Total Use Summary



**Location:** Henderson County-> Board Of Elections-> BOARDOFELECTIONS\_3560 [Board Of Elections]  
**Time:** 02/04/2015 1:17:08 PM **Commodity:** Water

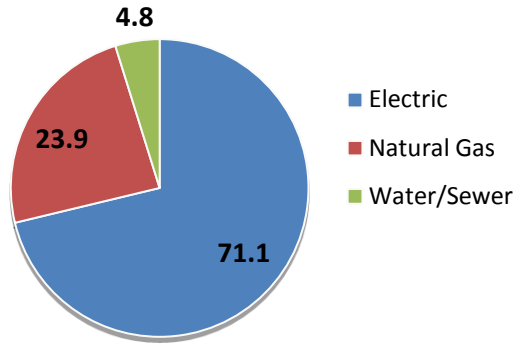
## Water in Thousands of Gal

Total Use Summary



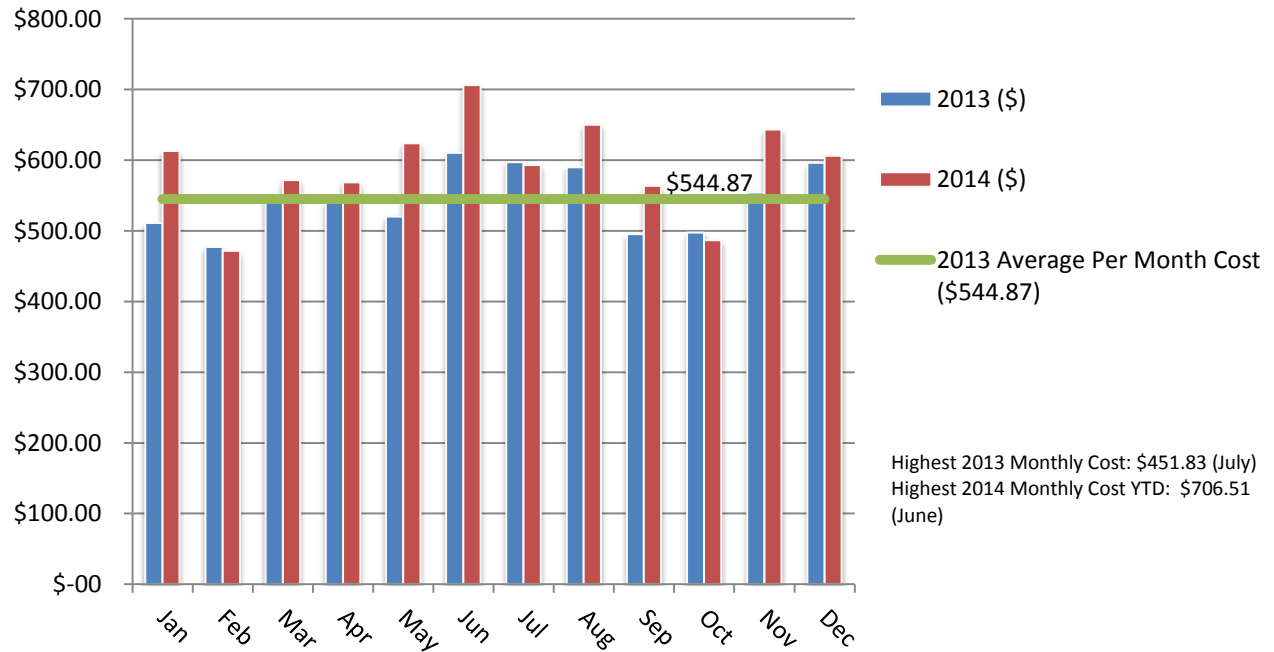
## Central Services Utility Use

**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

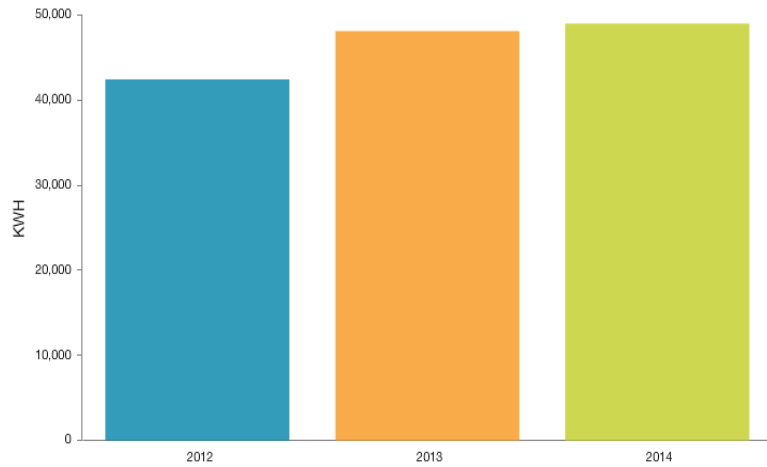


# Central Services Utility Use

Location: Henderson County-> CENTRALSERVICES [Central Services]  
Time: 02/04/2015 1:17:08 PM  
Commodity: Electric

## Electricity in KWH

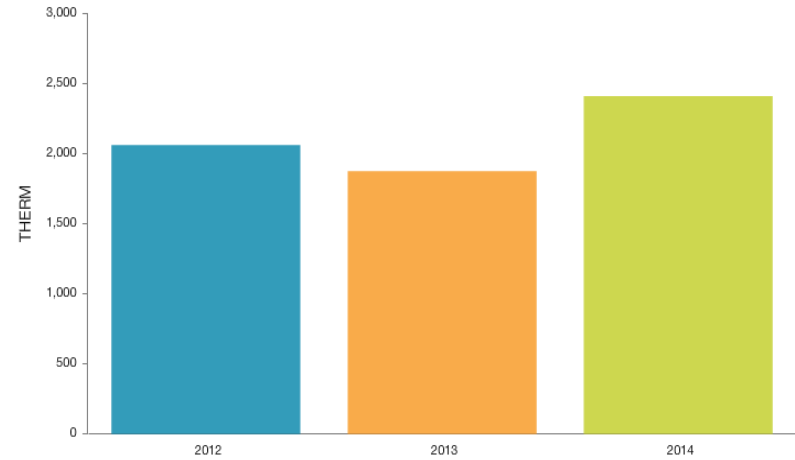
Total Use Summary



Location: Henderson County-> CENTRALSERVICES [Central Services]  
Time: 02/04/2015 1:17:08 PM  
Commodity: Natural Gas

## Natural Gas in Therms

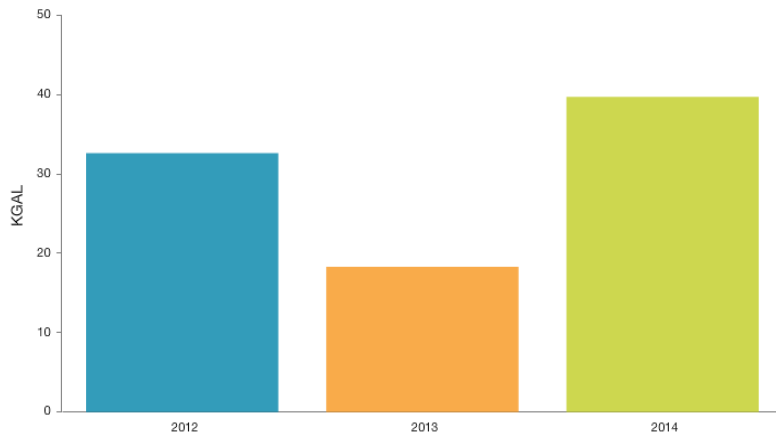
Total Use Summary



Location: Henderson County-> CENTRALSERVICES [Central Services]  
Time: 02/04/2015 1:17:08 PM  
Commodity: Water

## Water in Thousands of Gal

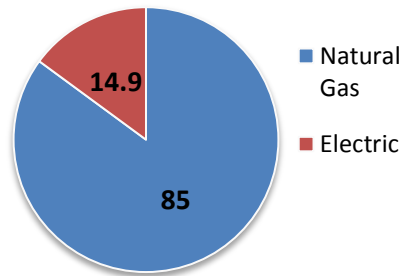
Total Use Summary



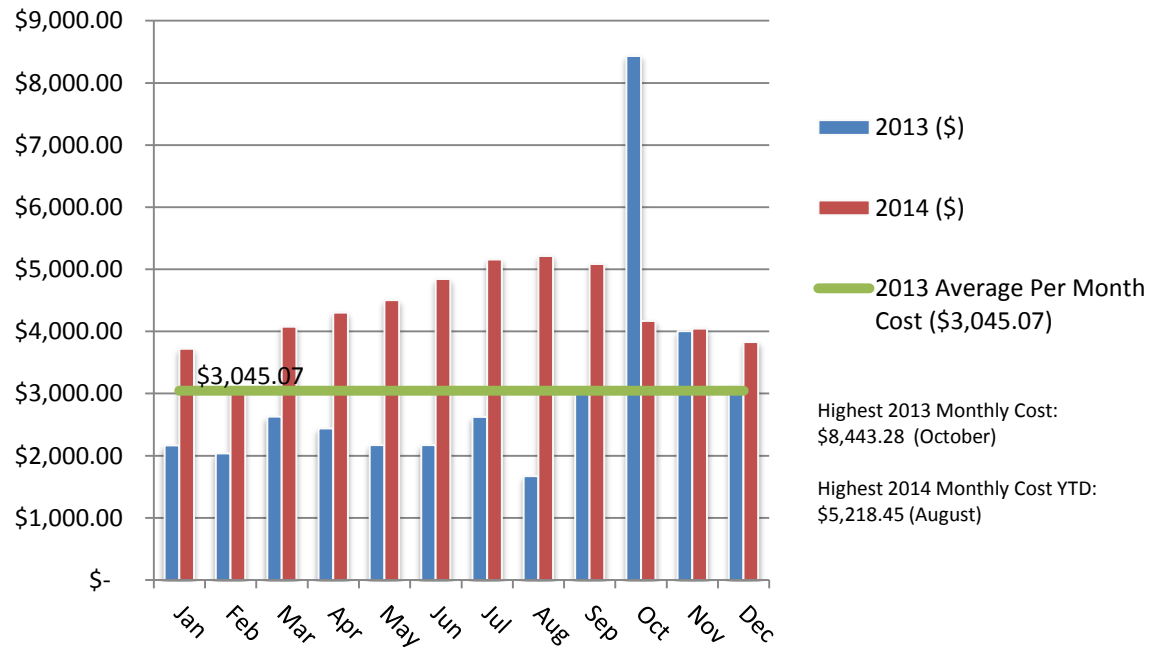
# CNG Station Utility Use

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

### 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).



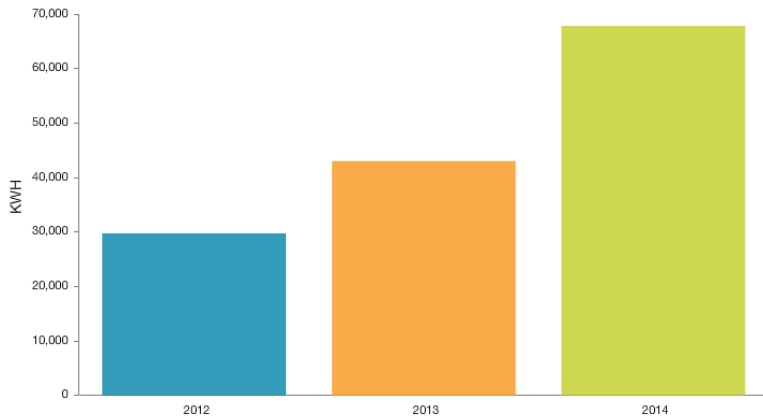
Location: Henderson County-> Cng Station-> CNGSTATION230\_3560 [Cng Station]

Time: 02/04/2015 2:17:09 PM

Commodity: Electric

Electricity in KWH

### Total Use Summary



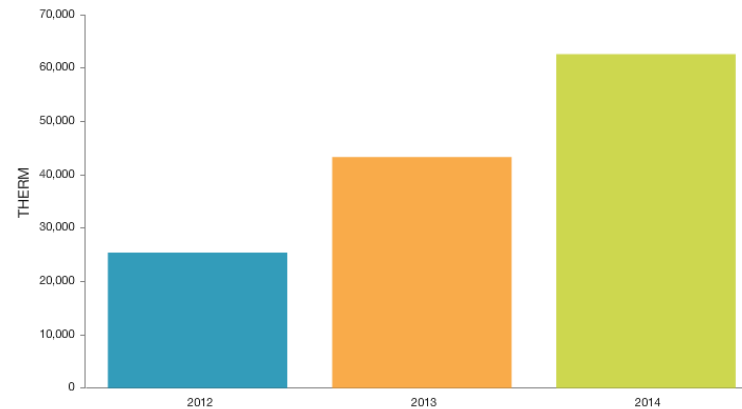
Location: Henderson County-> Cng Station-> CNGSTATION230\_3560 [Cng Station]

Time: 02/04/2015 2:17:09 PM

Commodity: Natural Gas

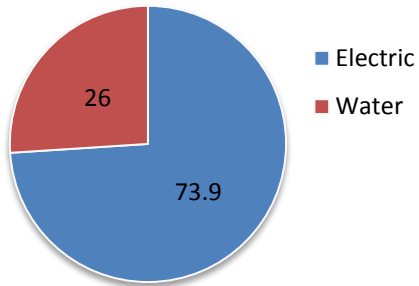
Natural Gas in Therms

### Total Use Summary



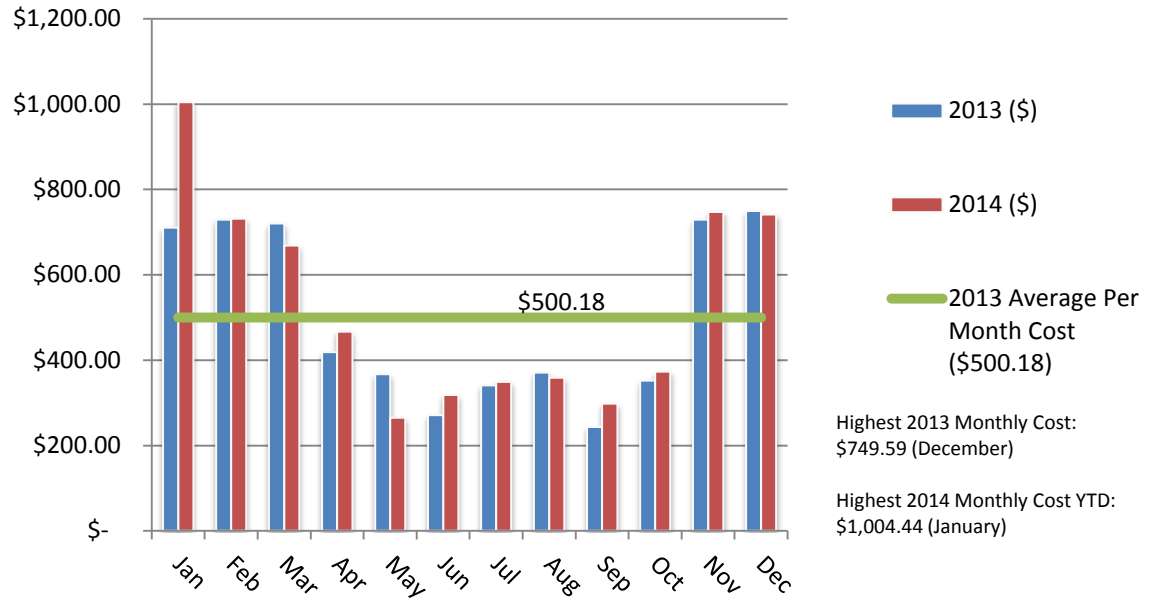
# Cooperative Extension Utility Use

## 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).

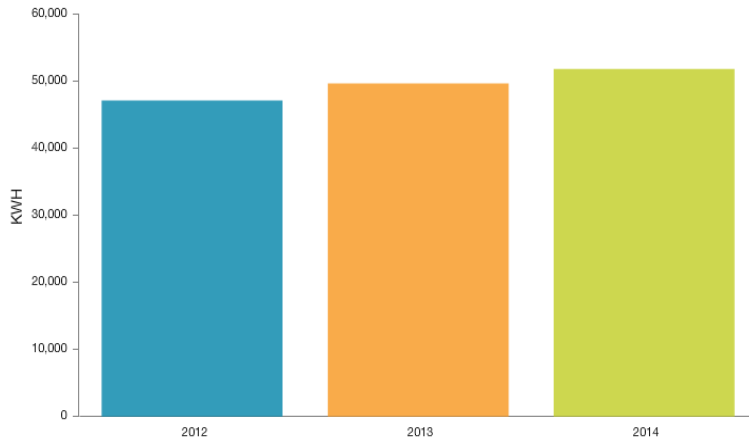
## Cooperative Extension Electric Cost per Month Profile 2013-2014 YTD



Location: Henderson County-> COOPERATIVEEXTENSION [Cooperative Extension]  
 Time: 02/05/2015 1:17:44 PM  
 Commodity: Electric

### Electricity in KWH

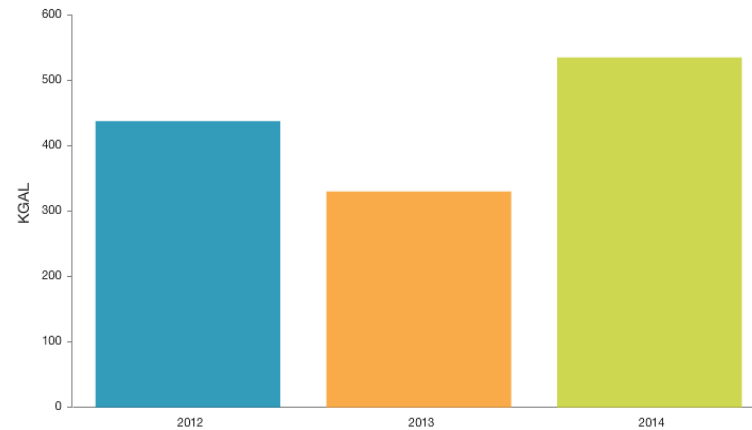
Total Use Summary



Location: Henderson County-> Cooperative Extension-> COOPERATIVEEXTENSIC  
 Time: 02/06/2015 12:16:28 PM  
 Commodity: Water

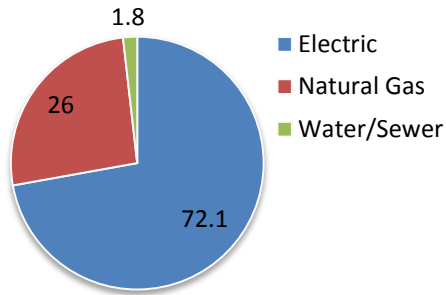
### Water in Thousands of Gal

Total Use Summary



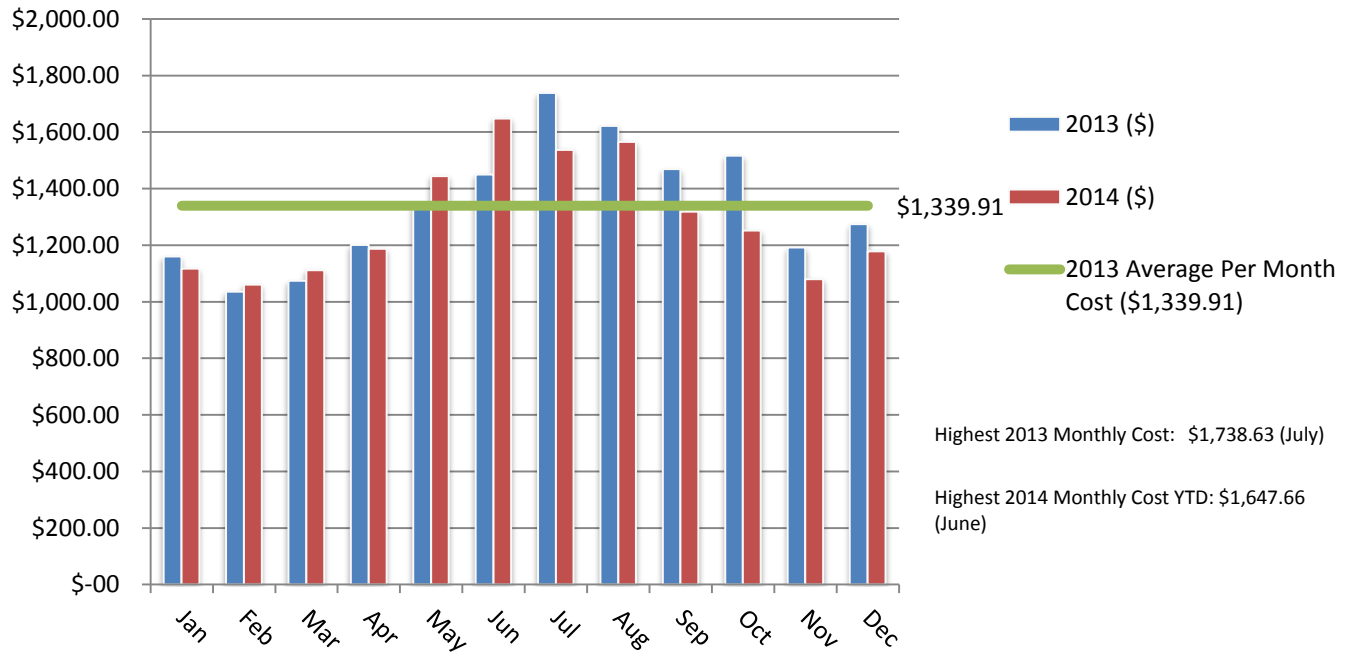
## Court Services Utility Use

### 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

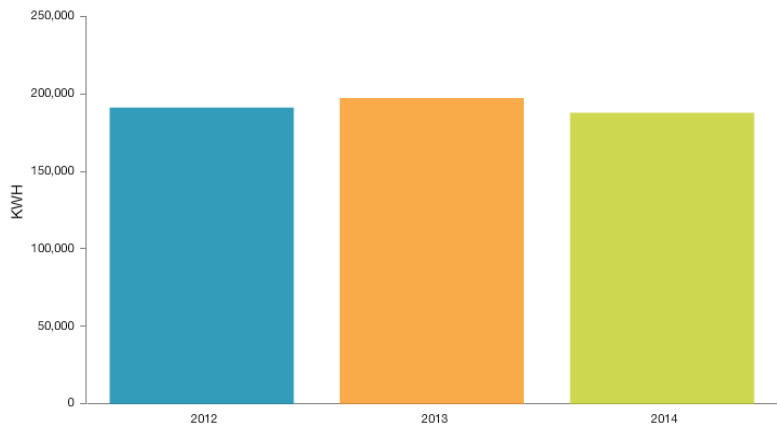




# Court Services Utility Use

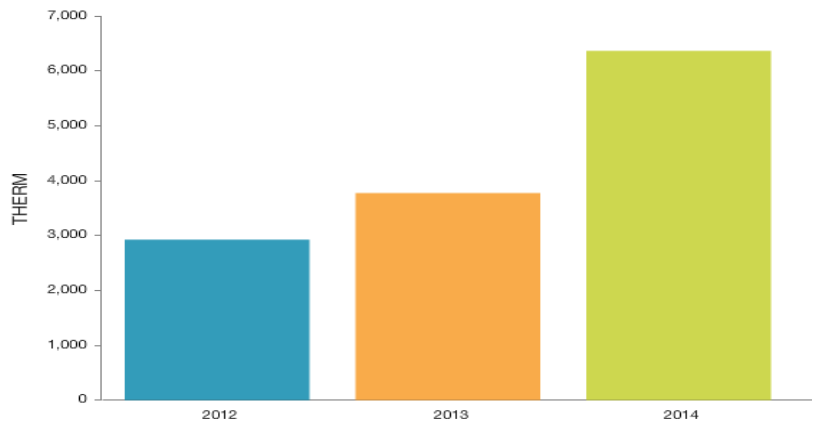
**Location:** Henderson County-> OLDHEALTHDEPARTMENT\_3560 [Court Services Building]  
**Time:** 02/06/2015 5:18:19 PM **Commodity:** Electric **Electricity in KWH**

Total Use Summary



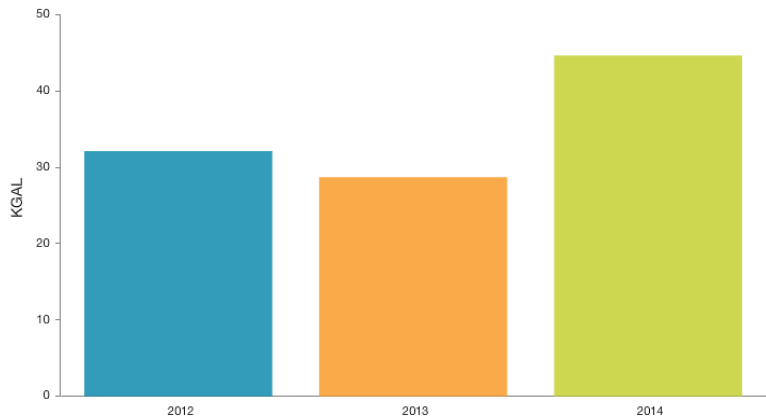
**Location:** Henderson County-> OLDHEALTHDEPARTMENT\_3560 [Court Services Building]  
**Time:** 02/06/2015 5:18:19 PM **Commodity:** Natural Gas **Natural Gas in Therms**

Total Use Summary



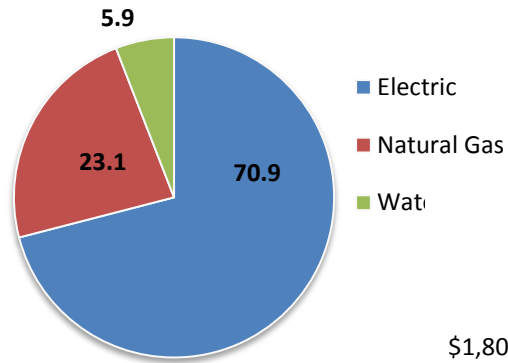
**Location:** Henderson County-> OLDHEALTHDEPARTMENT\_3560 [Court Services Building]  
**Time:** 02/06/2015 5:18:19 PM **Commodity:** Water **Water in Thousands of Gal**

Total Use Summary



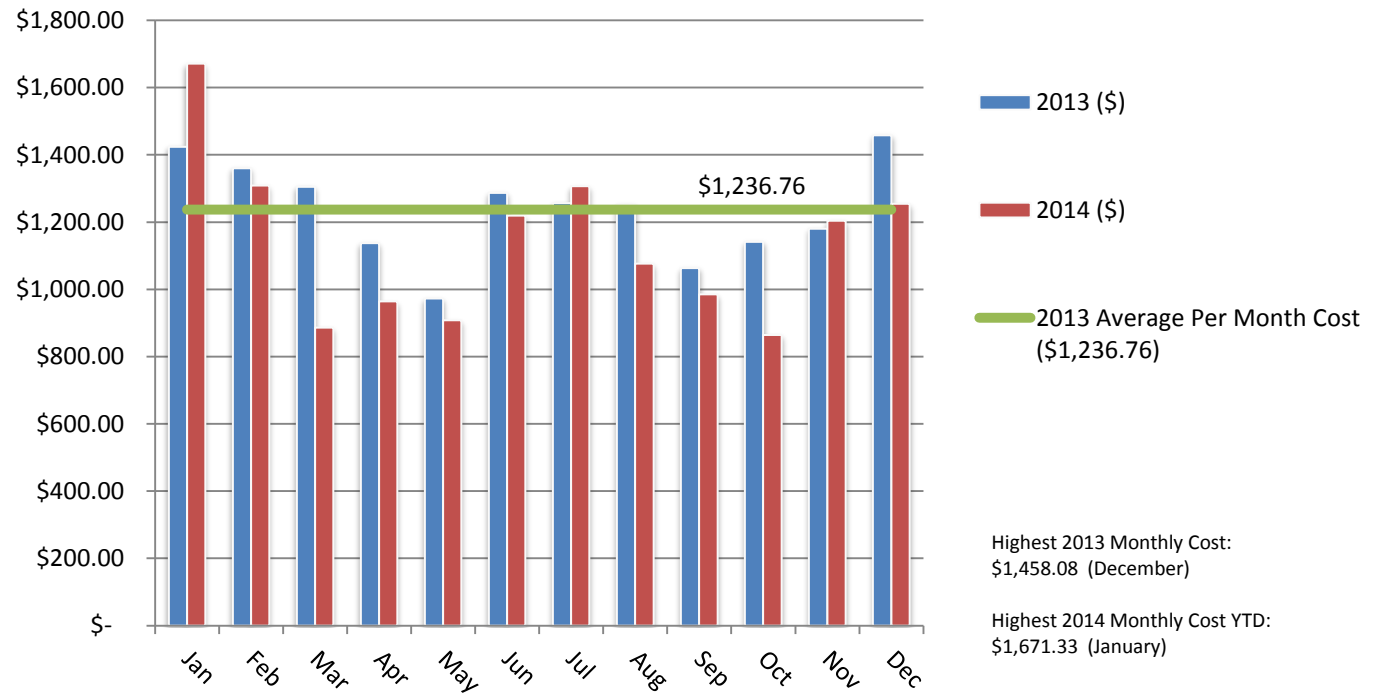
## Emergency Services Utility Use

**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).

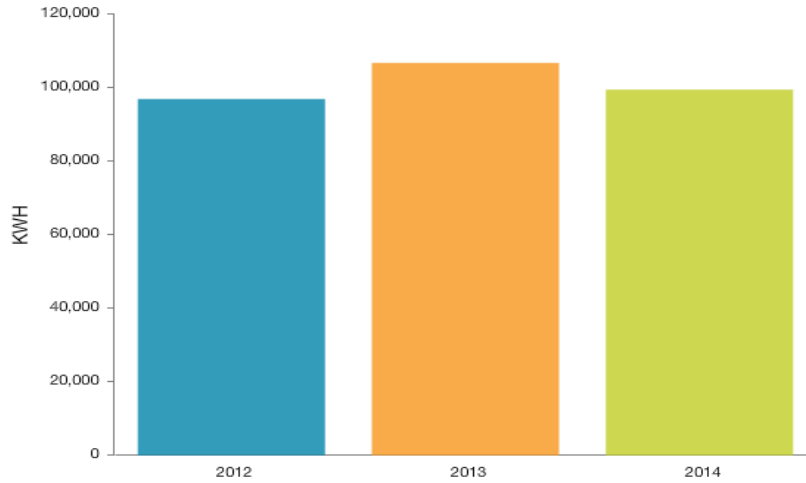
**Emergency Services Electric Cost per Month Profile 2013-2014 YTD**



# Emergency Services Utility Use

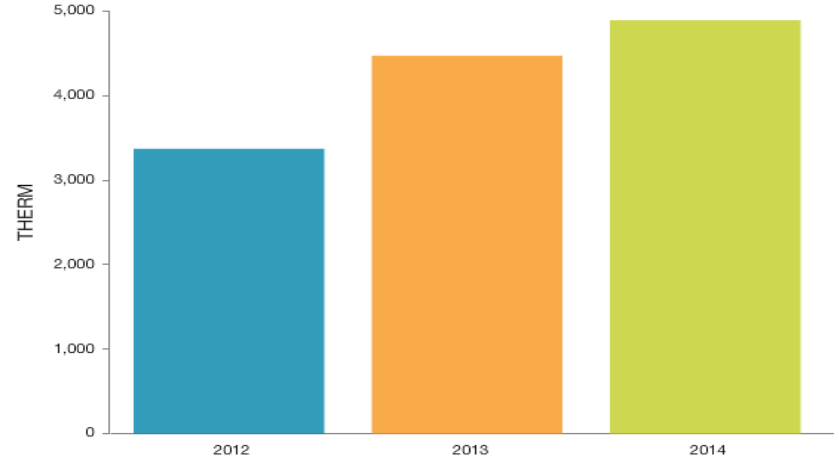
**Location:** Henderson County-> EMERGENCYSERVICES [Emergency Services]  
**Time:** 02/05/2015 1:17:44 PM      **Commodity:** Electric      Electricity in KWH

Total Use Summary



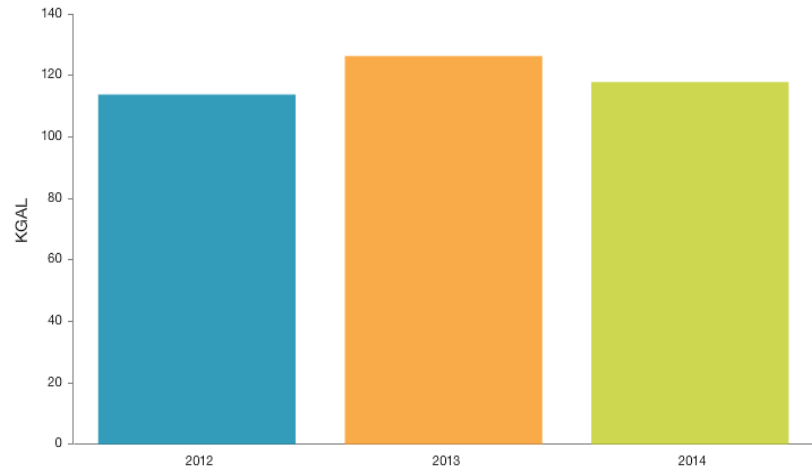
**Location:** Henderson County-> EMERGENCYSERVICES [Emergency Services]  
**Time:** 02/05/2015 1:17:44 PM      **Commodity:** Natural Gas      Natural Gas in Therms

Total Use Summary



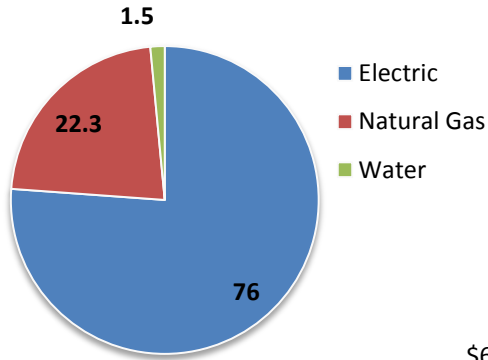
**Location:** Henderson County-> EMERGENCYSERVICES [Emergency Services]  
**Time:** 02/05/2015 1:17:44 PM      **Commodity:** Water      Water in Thousands of Gal

Total Use Summary



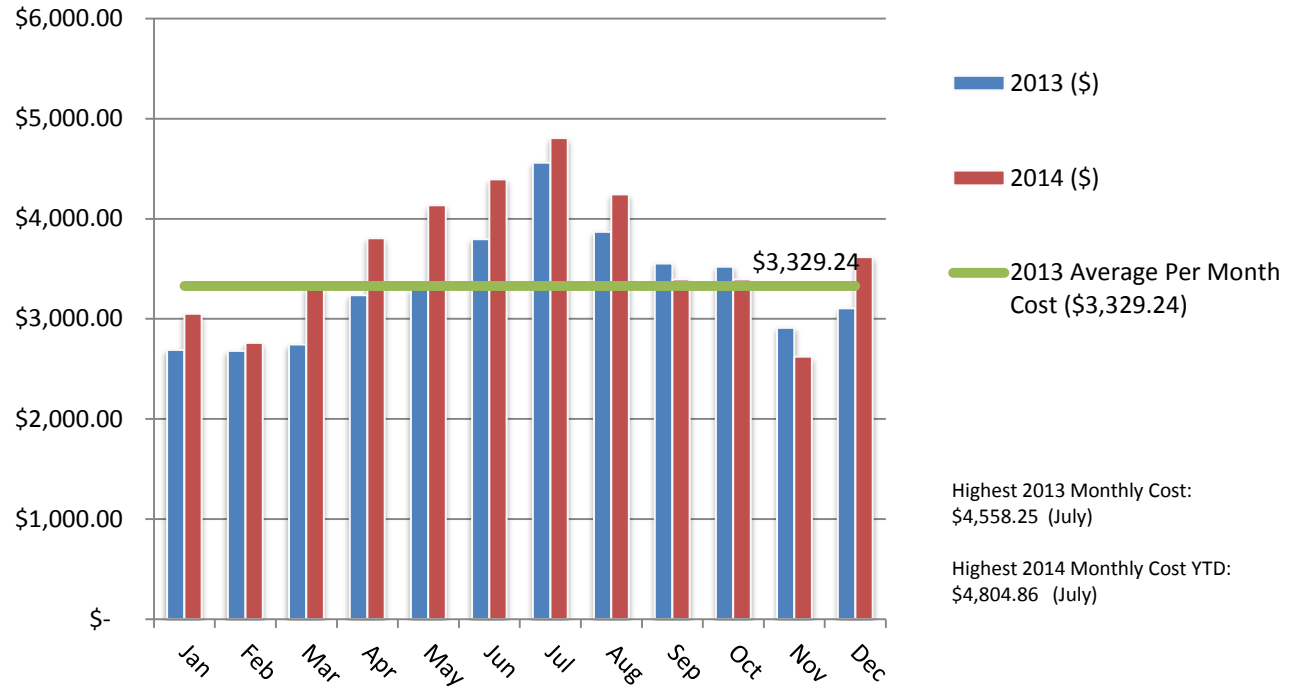
## Historic Courthouse Utility Use

### 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).

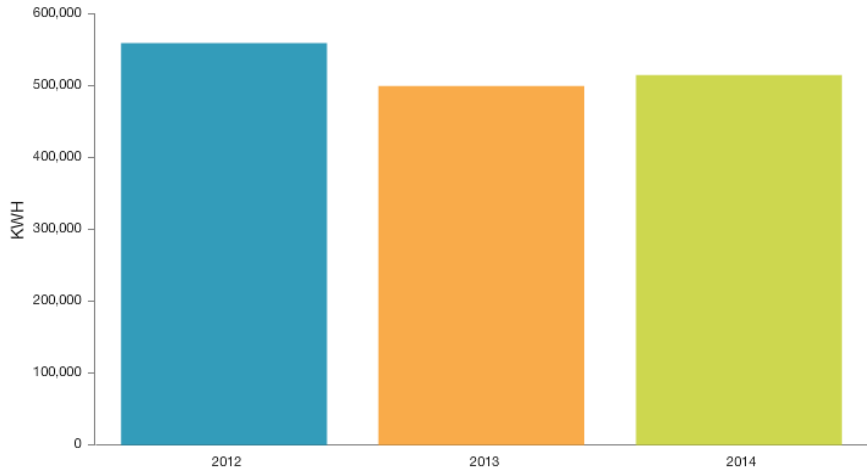
### Historic Courthouse Electric Cost per Month Profile 2013-2014 YTD



# Historic Courthouse Utility Use

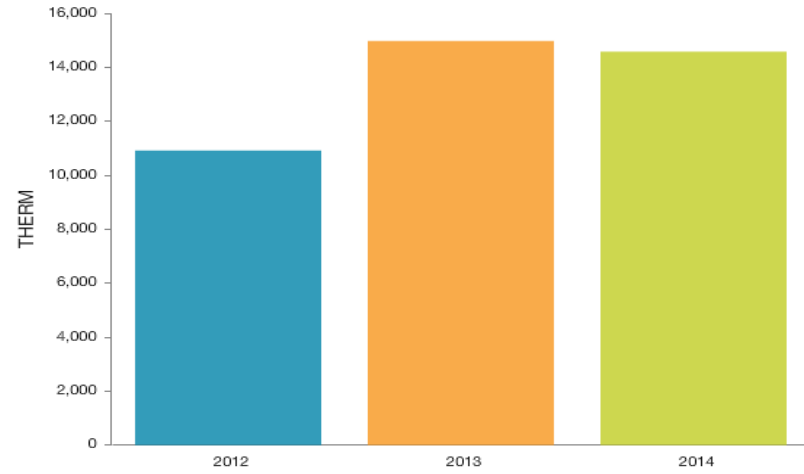
**Location:** Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]  
**Time:** 02/04/2015 2:17:09 PM **Commodity:** Electric **Electricity in KWH**

Total Use Summary



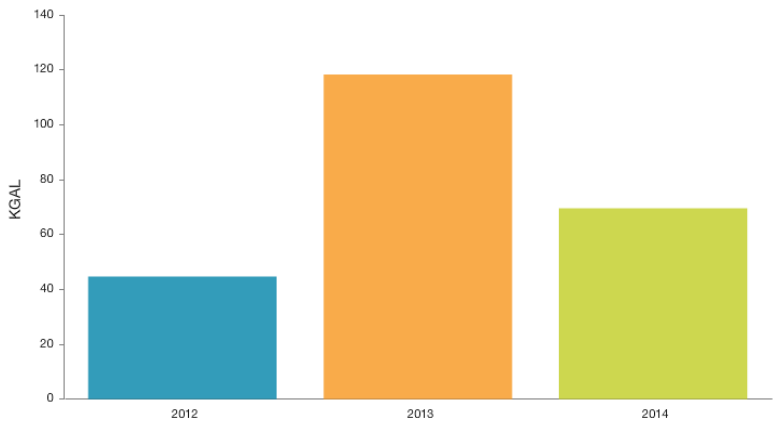
**Location:** Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]  
**Time:** 02/04/2015 2:17:09 PM **Commodity:** Natural Gas **Natural Gas in Therms**

Total Use Summary



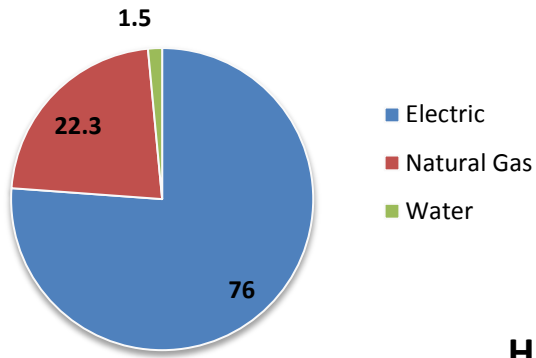
**Location:** Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]  
**Time:** 02/04/2015 2:17:09 PM **Commodity:** Water **Water in Thousands of Gal**

Total Use Summary



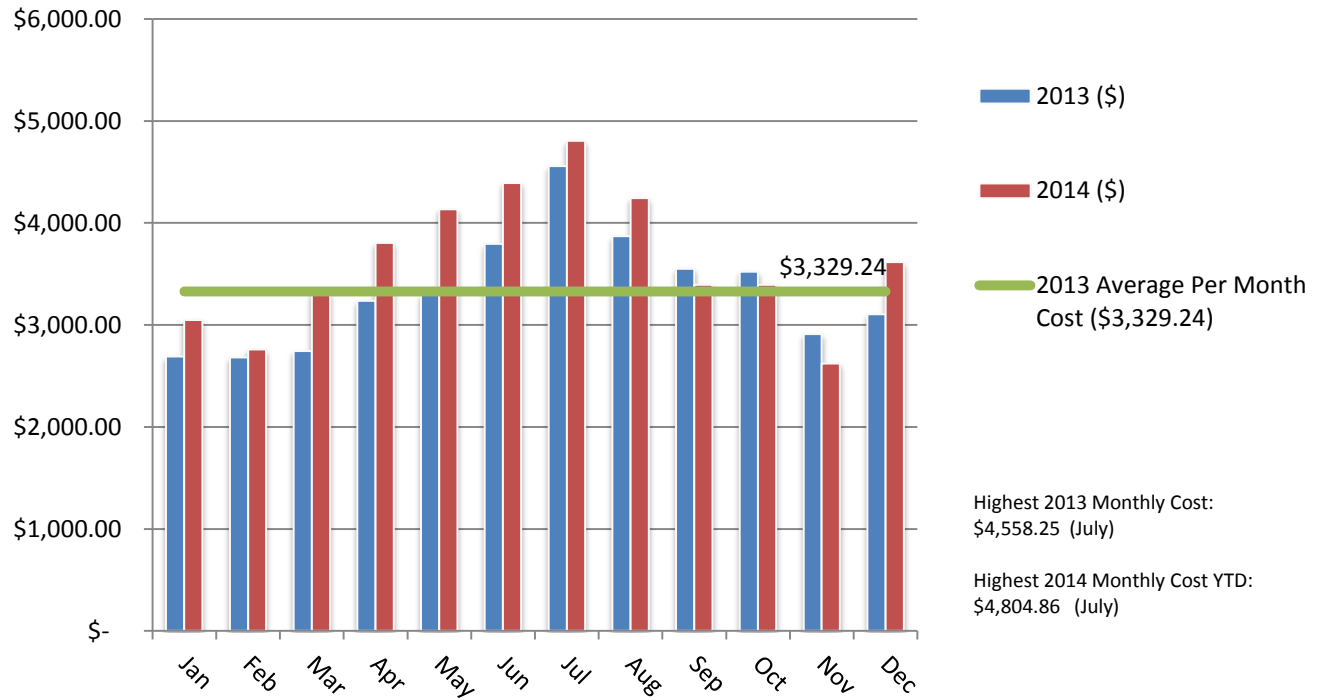
## Human Services Utility Use

### 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).

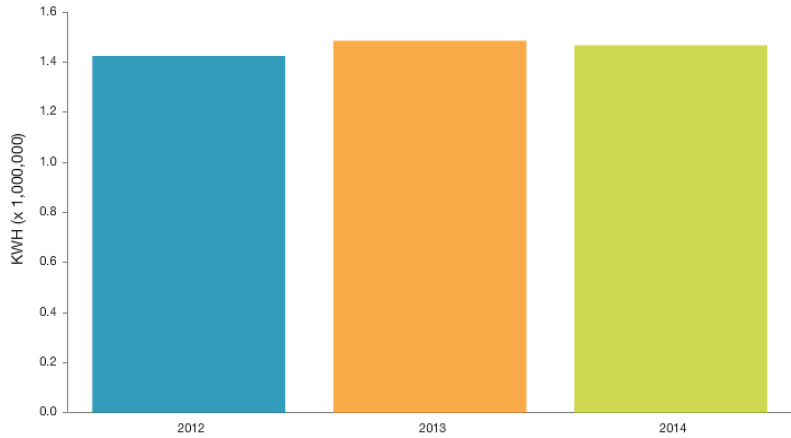
### Historic Courthouse Electric Cost per Month Profile 2013-2014 YTD



# Human Services Utility Use

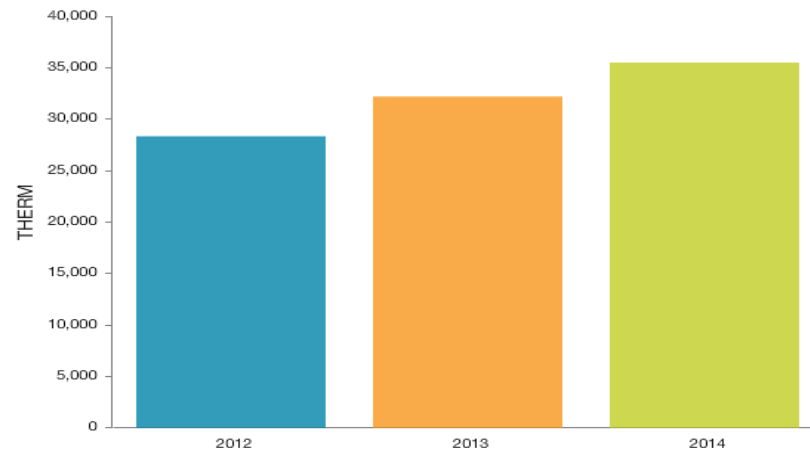
Location: Henderson County-> HUMANSERVICES [Human Services]  
Time: 02/06/2015 2:16:58 PM Commodity: Electric Electricity in KWH

Total Use Summary



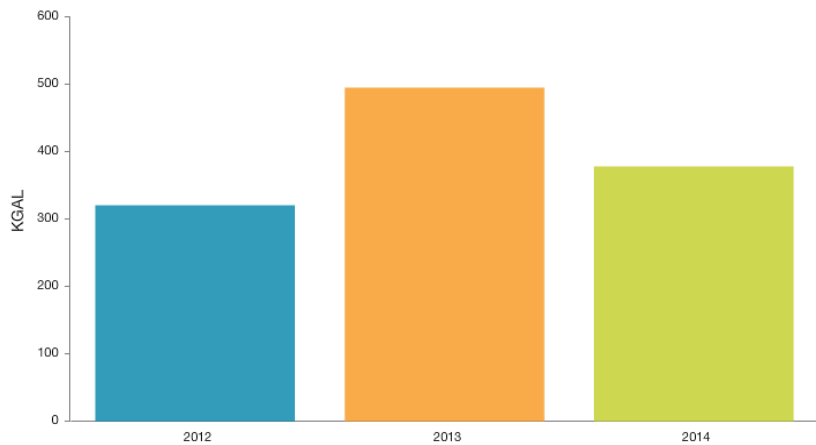
Location: Henderson County-> HUMANSERVICES [Human Services]  
Time: 02/06/2015 2:16:58 PM Commodity: Natural Gas in Therms

Total Use Summary



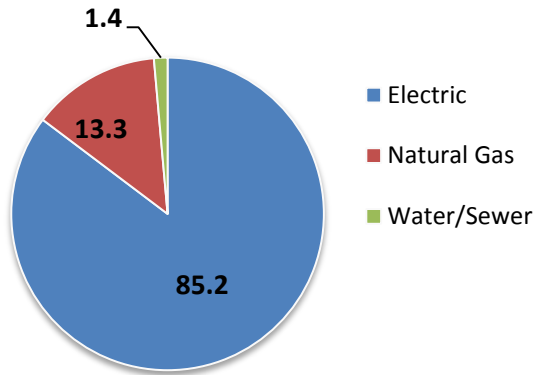
Location: Henderson County-> HUMANSERVICES [Human Services]  
Time: 02/06/2015 2:16:58 PM Commodity: Water Water in Thousands of Gal

Total Use Summary



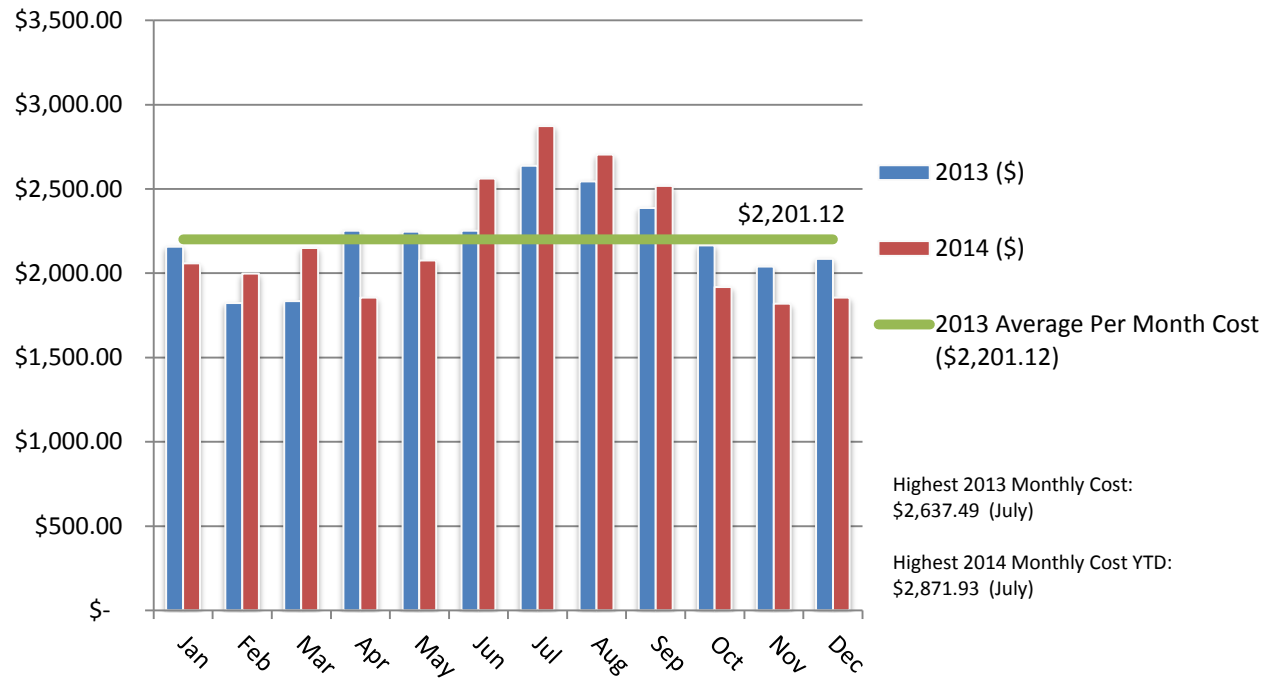
## King Street Utility Use

### 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



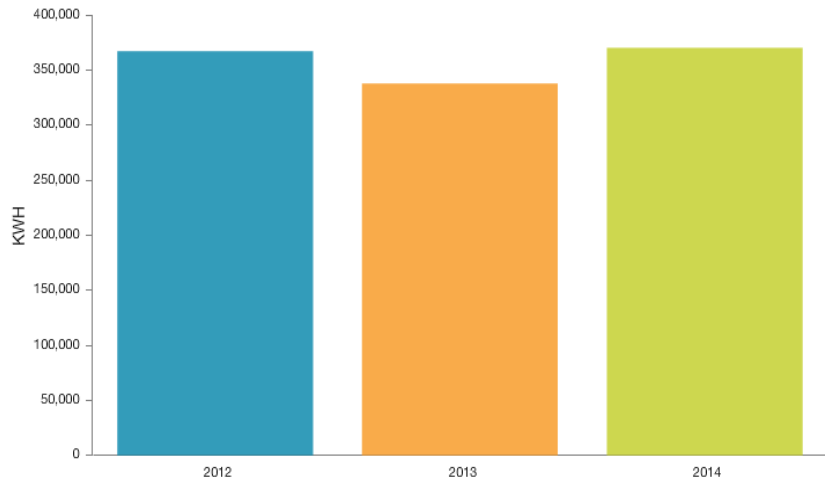


# King Street Utility Use

**Location:** Henderson County-> KINGSTREETBUILDING [King Street Building]  
**Time:** 02/04/2015 2:17:09 PM  
**Commodity:** Electric

Electricity in KWH

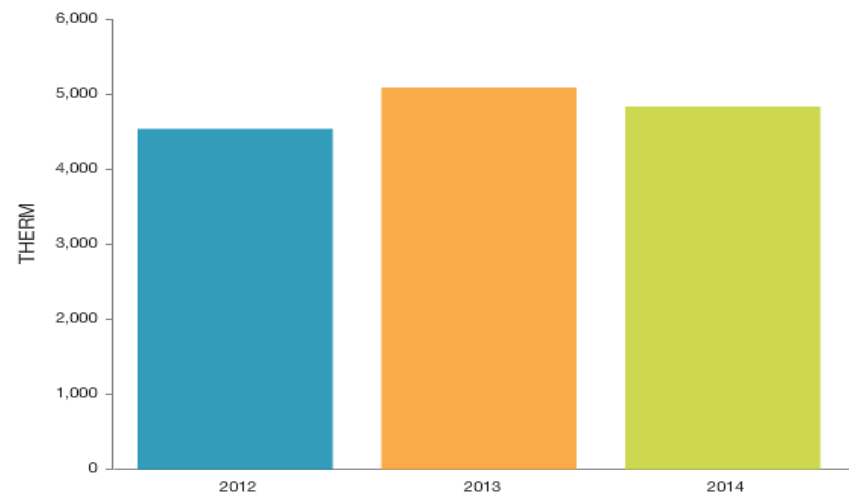
Total Use Summary



**Location:** Henderson County-> KINGSTREETBUILDING [King Street Building]  
**Time:** 02/04/2015 2:17:09 PM  
**Commodity:** Natural Gas

Natural Gas in Therms

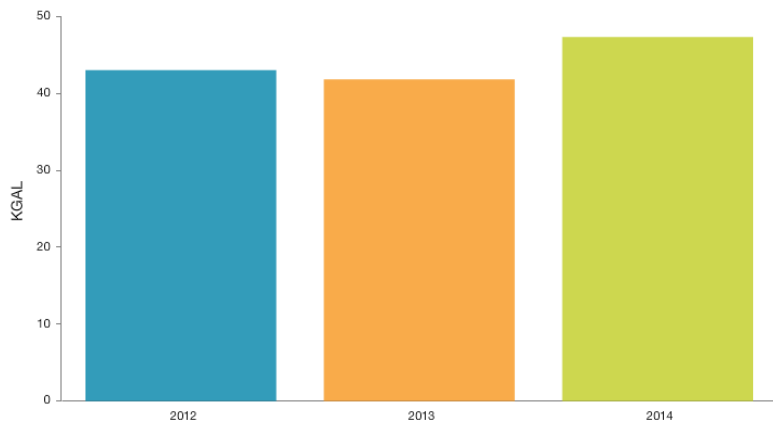
Total Use Summary



**Location:** Henderson County-> KINGSTREETBUILDING [King Street Building]  
**Time:** 02/04/2015 2:17:09 PM  
**Commodity:** Water

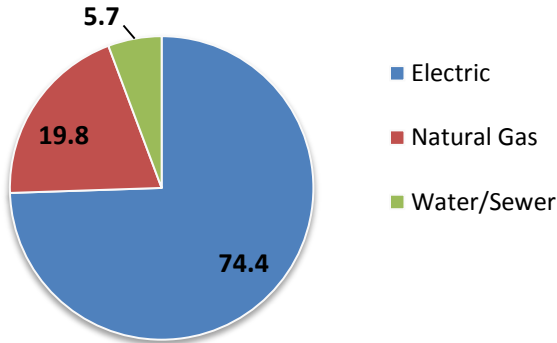
Water in Thousands of Gal

Total Use Summary



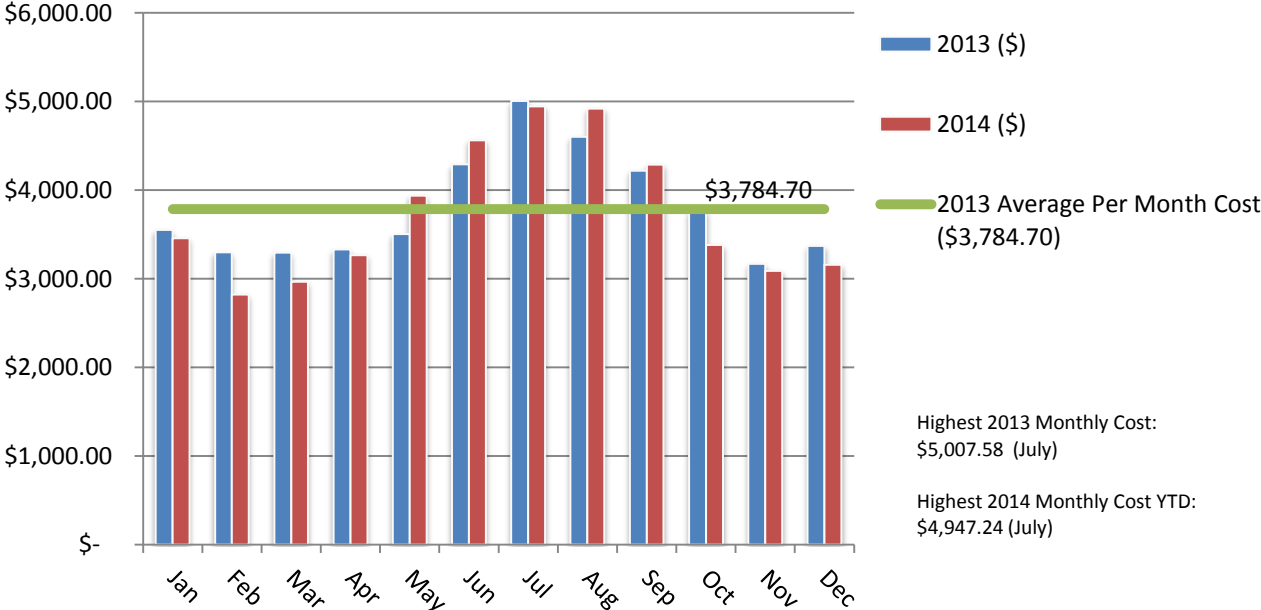
# Library Utility Use

**Total Cost % YTD\***



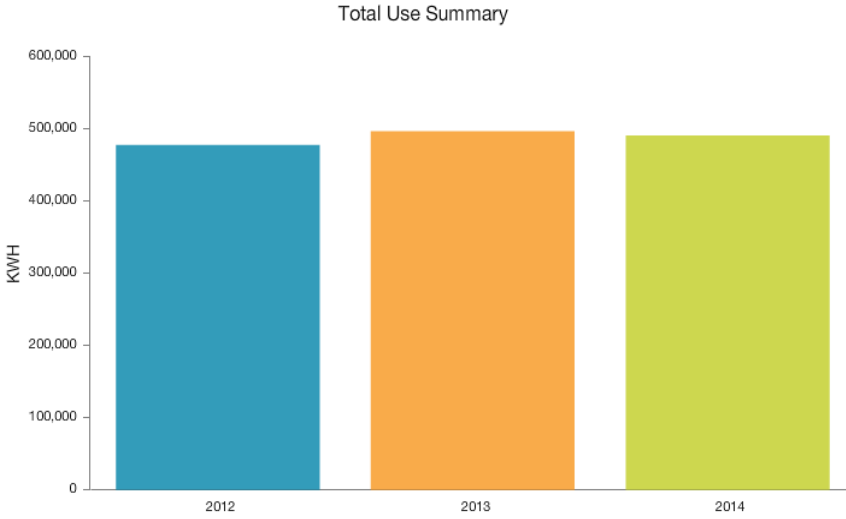
\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

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

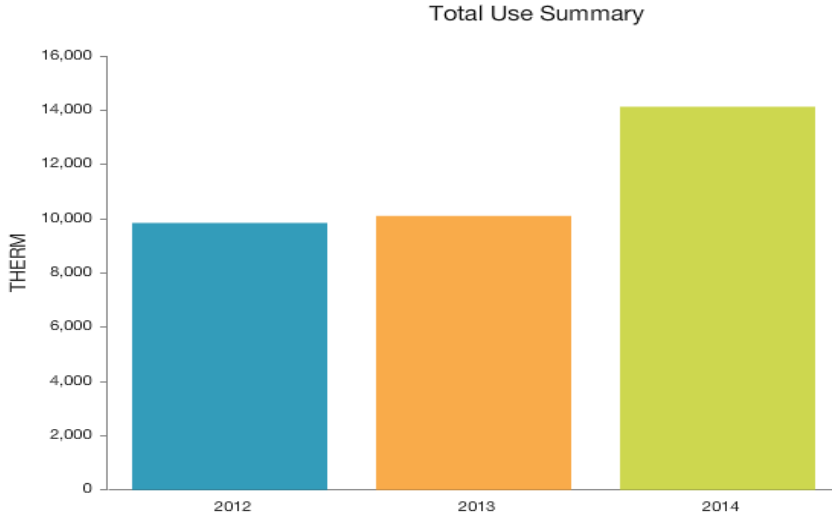


# Library Utility Use

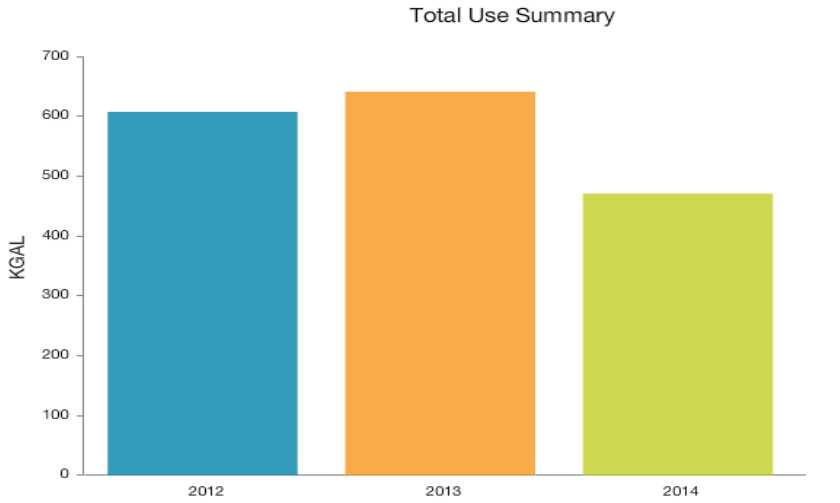
**Location:** Henderson County-> LIBRARY [Library]      **Commodity:** Electric      **Electricity in KWH**



**Location:** Henderson County-> LIBRARY [Library]      **Commodity:** Nat      **Natural Gas in Therms**

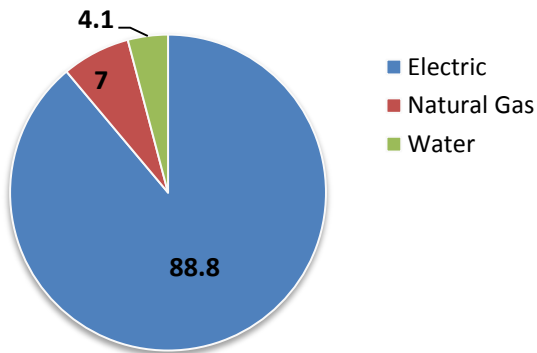


**Location:** Henderson County-> LIBRARY [Library]      **Commodity:** Water      **Water in Thousands of Gal**



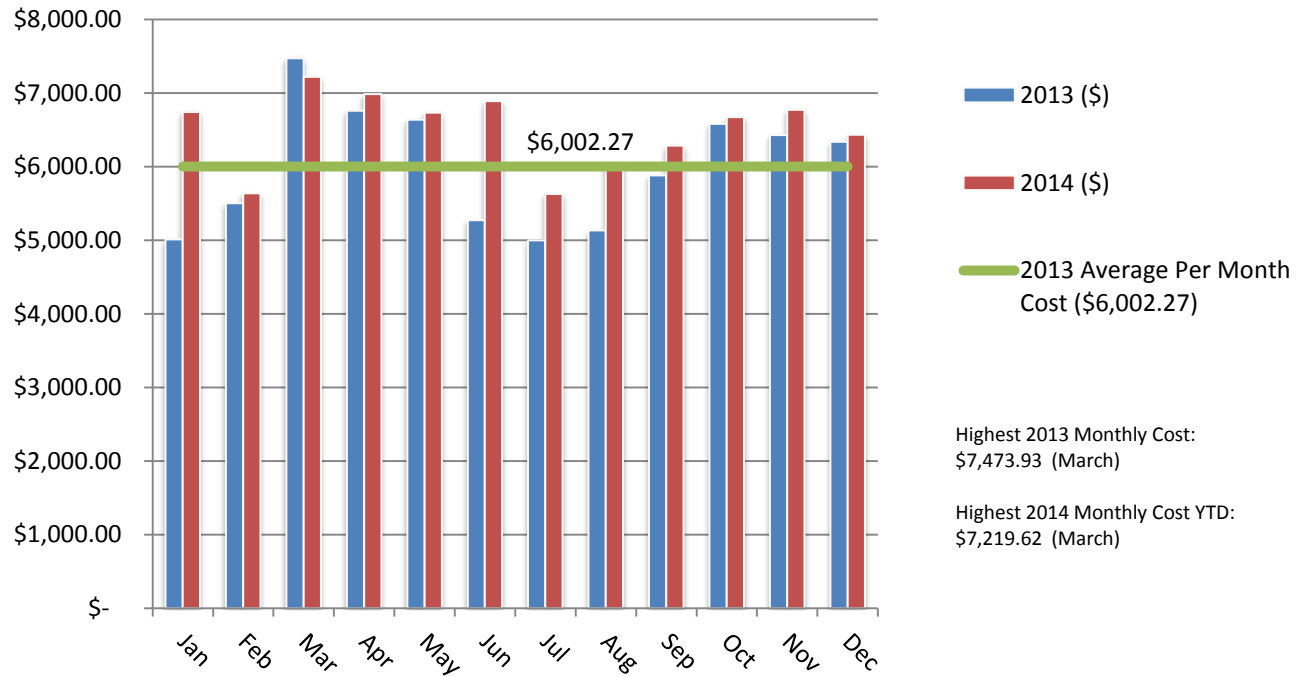
## Parks and Recreation Utility Use

### 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).

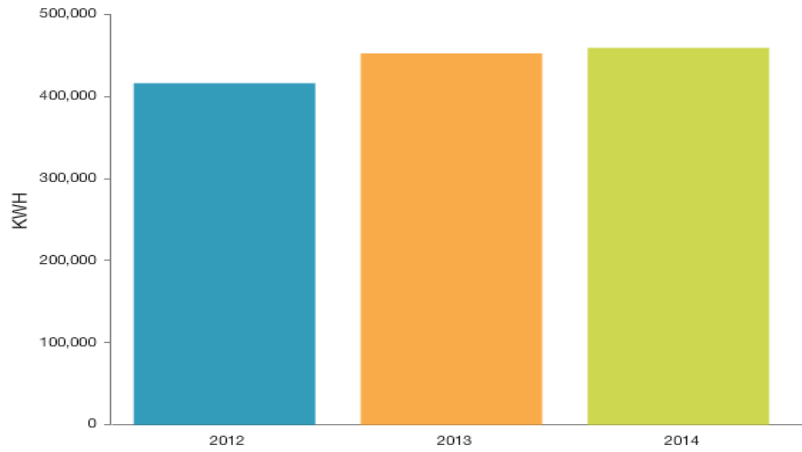
### Parks & Recreation Electric Cost per Month Profile 2013-2014 YTD



# Parks and Recreation Utility Use

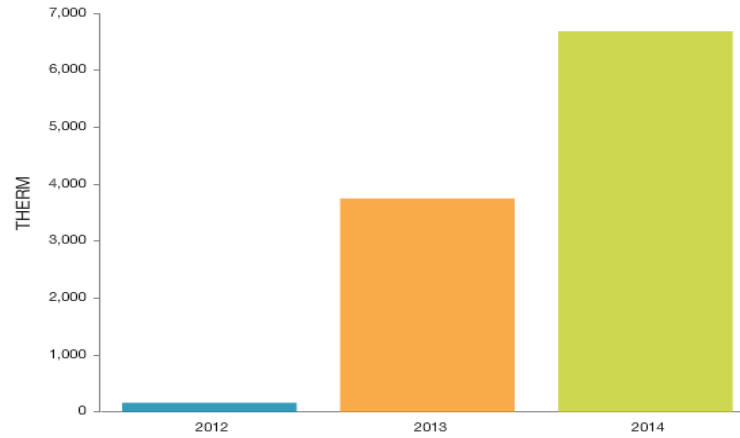
**Location:** Henderson County-> PARKS&RECREATION [Parks & Recreation]  
**Time:** 02/06/2015 2:16:58 PM **Commodity:** Electric Electricity in KWH

Total Use Summary



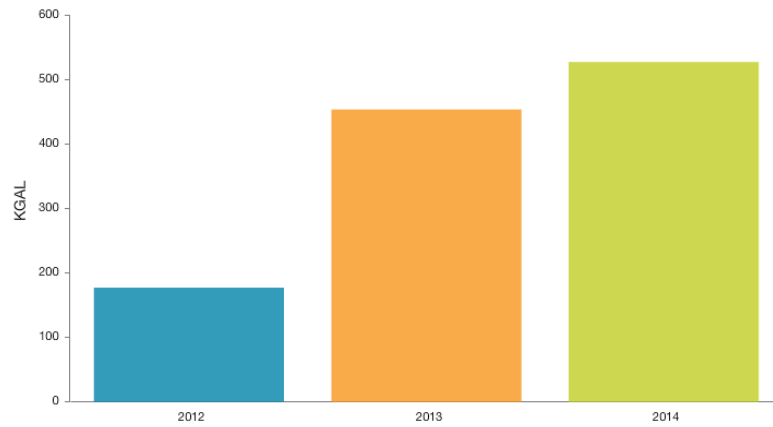
**Location:** Henderson County-> PARKS&RECREATION [Parks & Recreation]  
**Time:** 02/06/2015 2:16:58 PM **Commodity:** Natural Gas Natural Gas in Therms

Total Use Summary



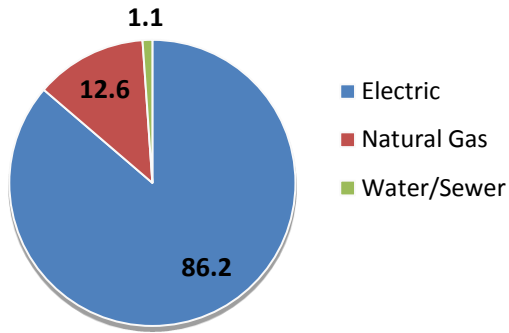
**Location:** Henderson County-> PARKS&RECREATION [Parks & Recreation]  
**Time:** 02/06/2015 2:16:58 PM **Commodity:** Water Water in Thousands of Gal

Total Use Summary



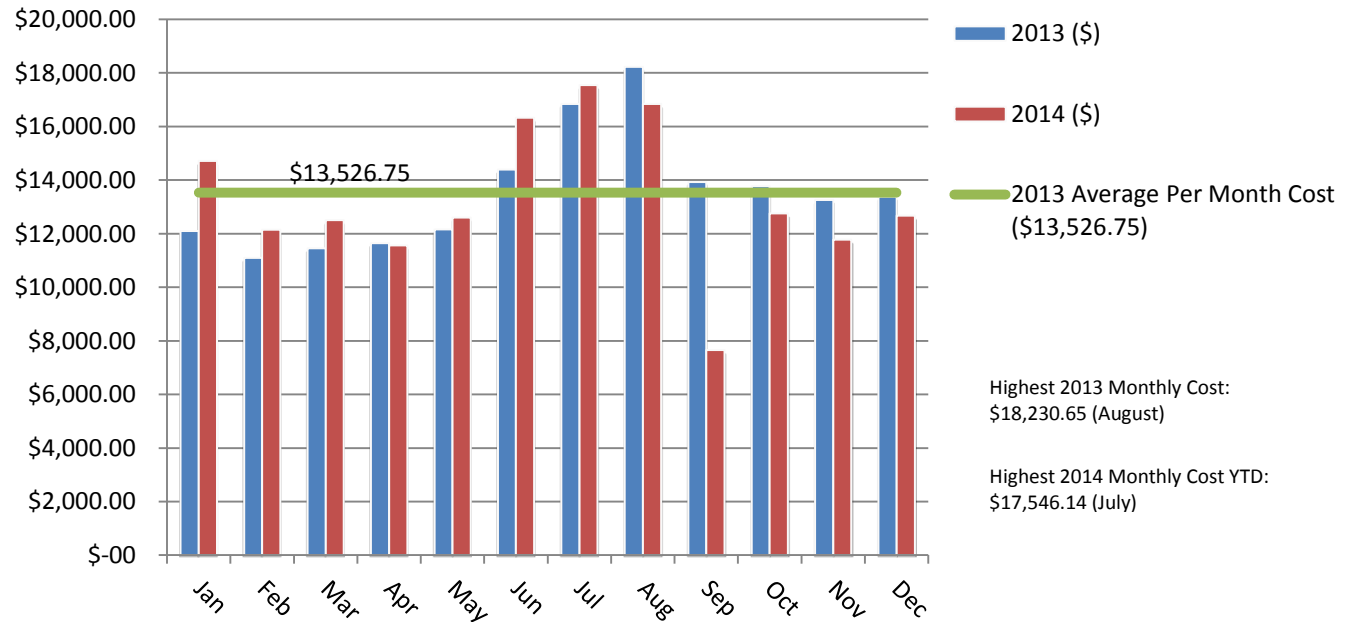
## Sheriff Utility Use

### 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).

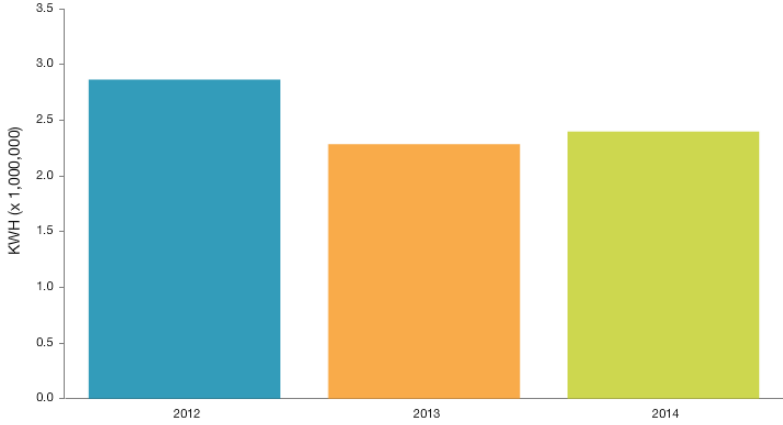
### Sheriff's Complex Electric Cost per Month Profile 2013-2014 YTD



# Sheriff Utility Use

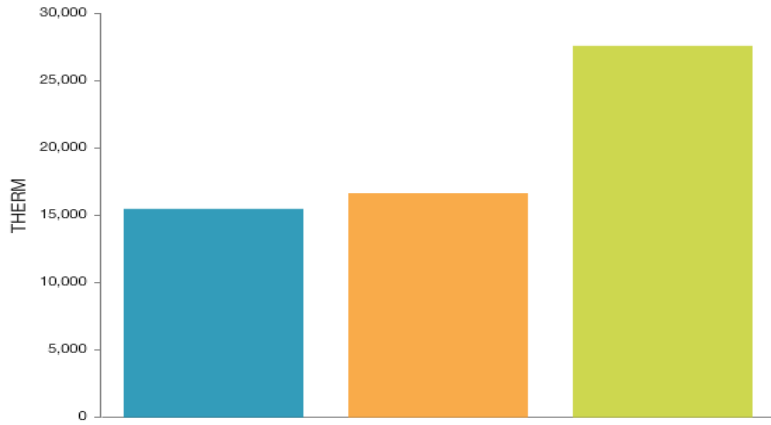
**Location:** Henderson County-> SHERIFF [Sheriff]      **Commodity:** Electric      **Electricity in KWH**  
**Time:** 02/06/2015 5:18:19 PM

Total Use Summary



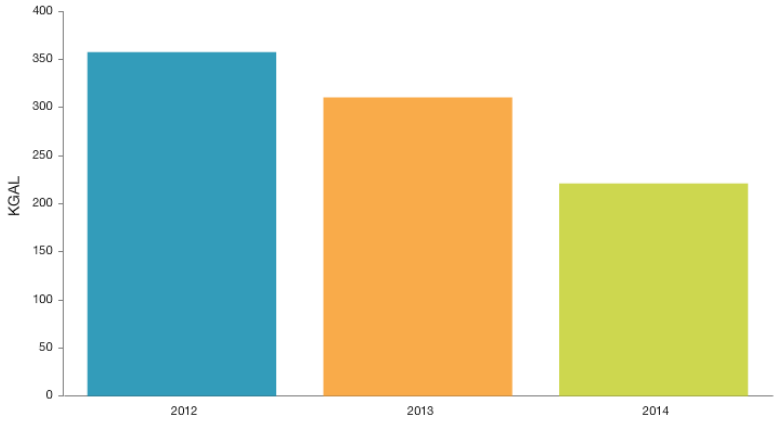
**Location:** Henderson County-> SHERIFF [Sheriff]      **Commodity:** Natural Gas      **Natural Gas in Therms**  
**Time:** 02/06/2015 5:18:19 PM

Total Use Summary



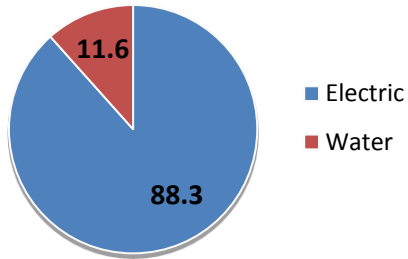
**Location:** Henderson County-> SHERIFF [Sheriff]      **Commodity:** Water      **Water in Thousands of Gal**  
**Time:** 02/06/2015 5:18:19 PM

Total Use Summary



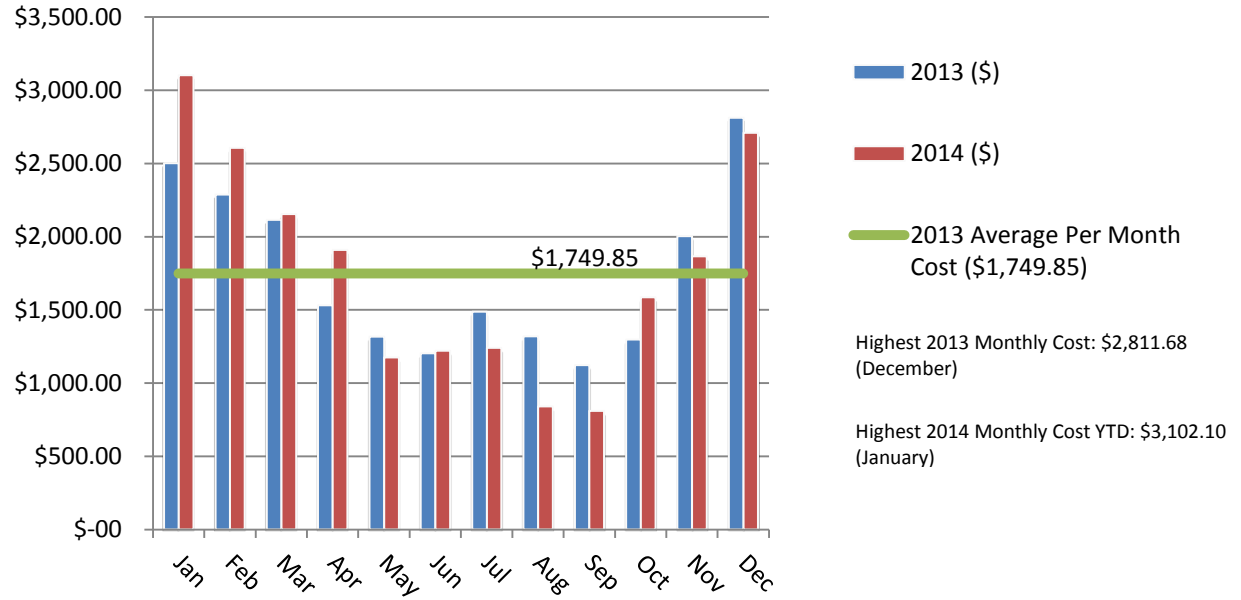
# Solid Waste Utility Use

## Total Cost % YTD\*



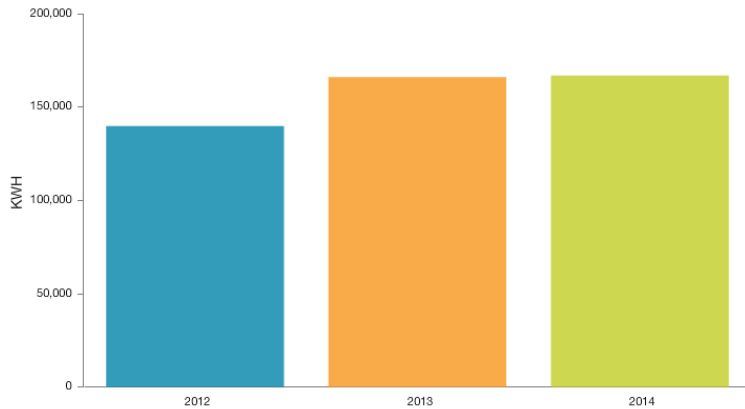
\* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

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



Location: Henderson County-> SOLIDWASTE [Solid Waste]  
 Time: 02/06/2015 9:16:41 AM  
 Commodity: Electric  
 Electricity in KWH

Total Use Summary



Location: Henderson County-> SOLIDWASTE [Solid Waste]  
 Time: 02/06/2015 9:16:41 AM  
 Commodity: Water  
 Water in Thousands of Gal

Total Use Summary

