

REQUEST FOR BOARD ACTION

**HENDERSON COUNTY
BOARD OF COMMISSIONERS**

MEETING DATE: Wednesday, February 18, 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:

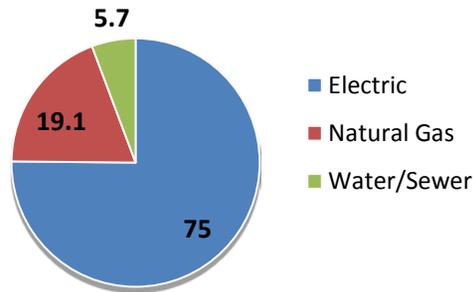
No Board action is requested. This item is for informational purposes only.

Suggested Motion:

No motion suggested.

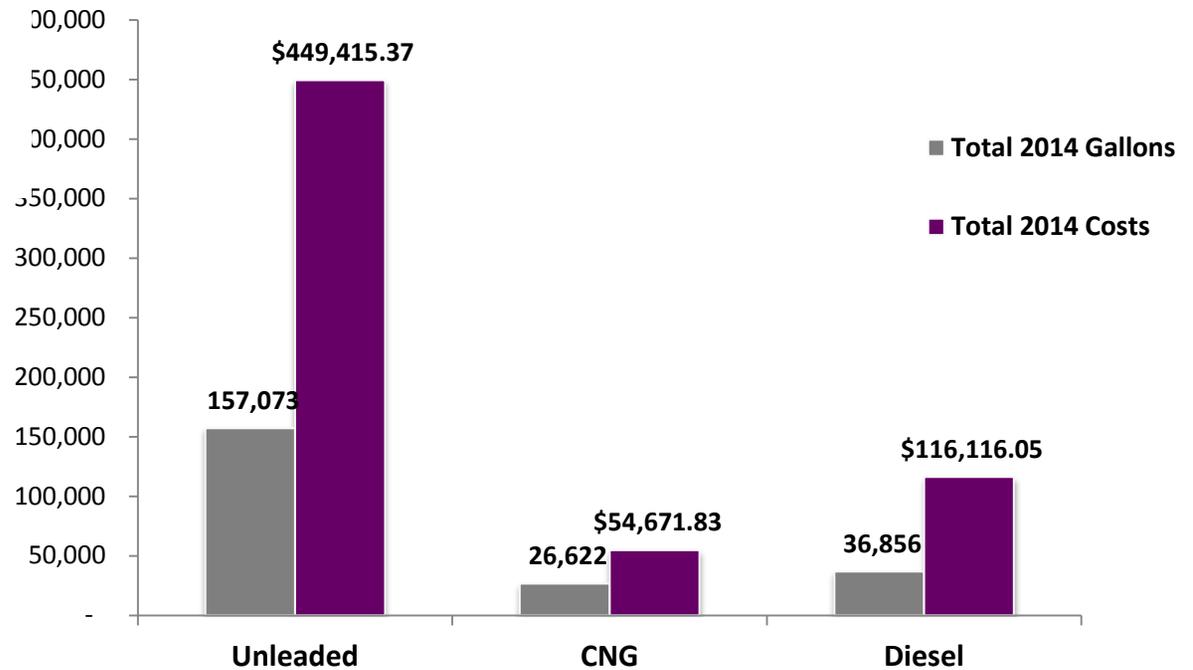
Energy and Fuel Reduction Plan Status for Qtr 2- FY15 (October- December 2014) BOC Meeting: February 18, 2015

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



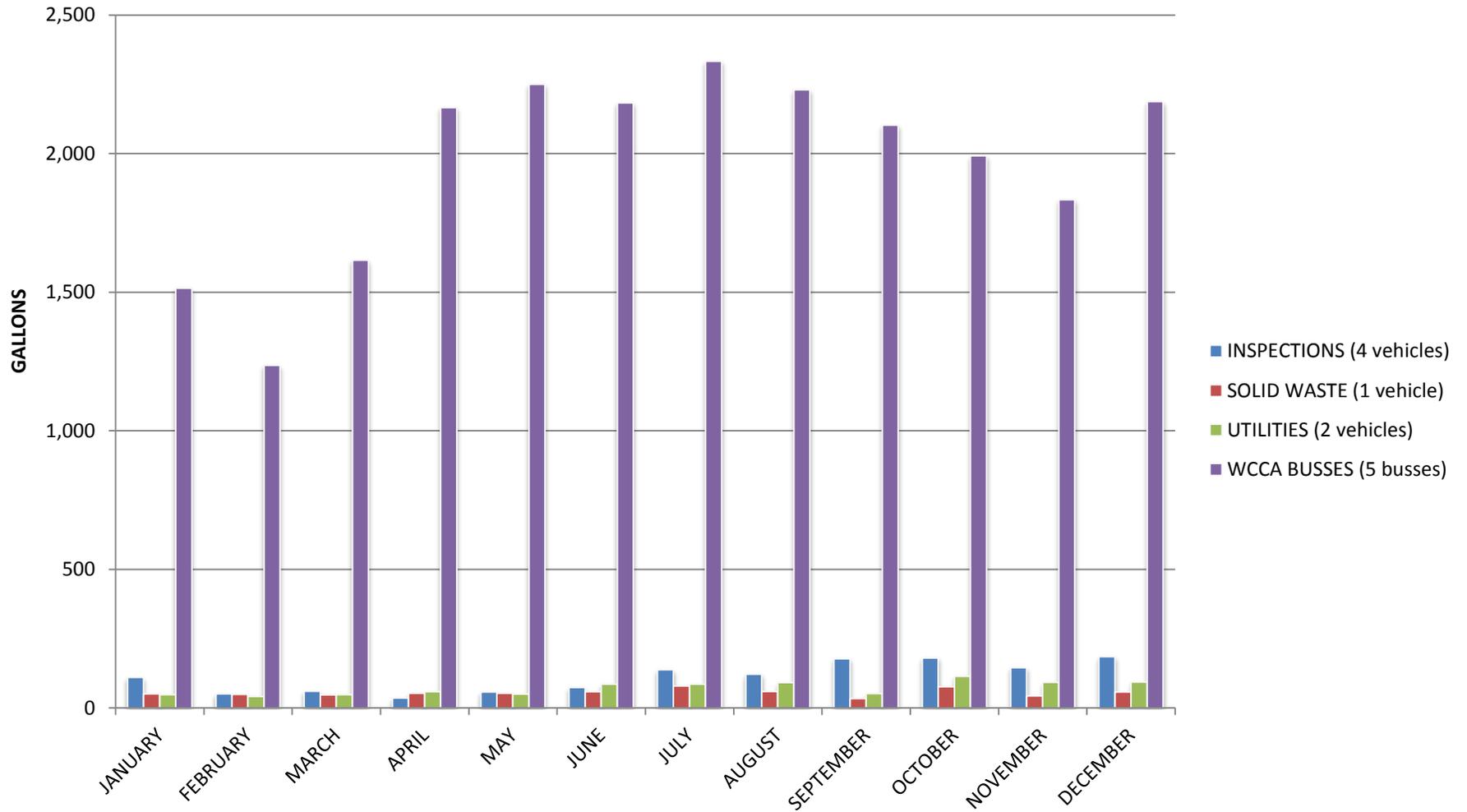
* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

2014 Henderson County Fuels Totals for All Fleets*

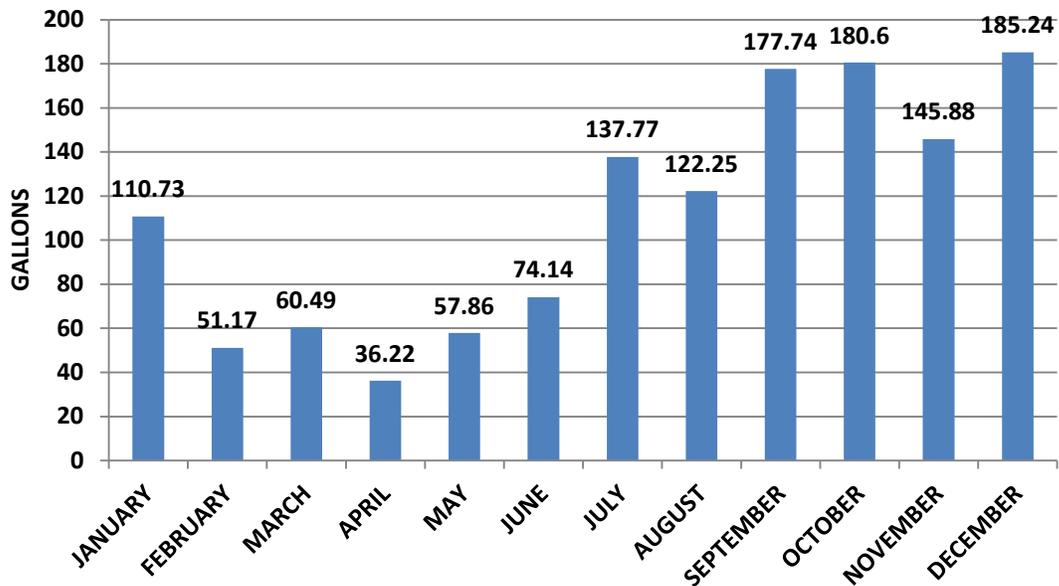


* These totals are approximate but close to actual usage and costs of fuel from January 1, 2014 to December 31, 2014. Fuel usage represented in this chart displays only those gallons purchased at the Henderson County owned/operated station located on Williams Street.

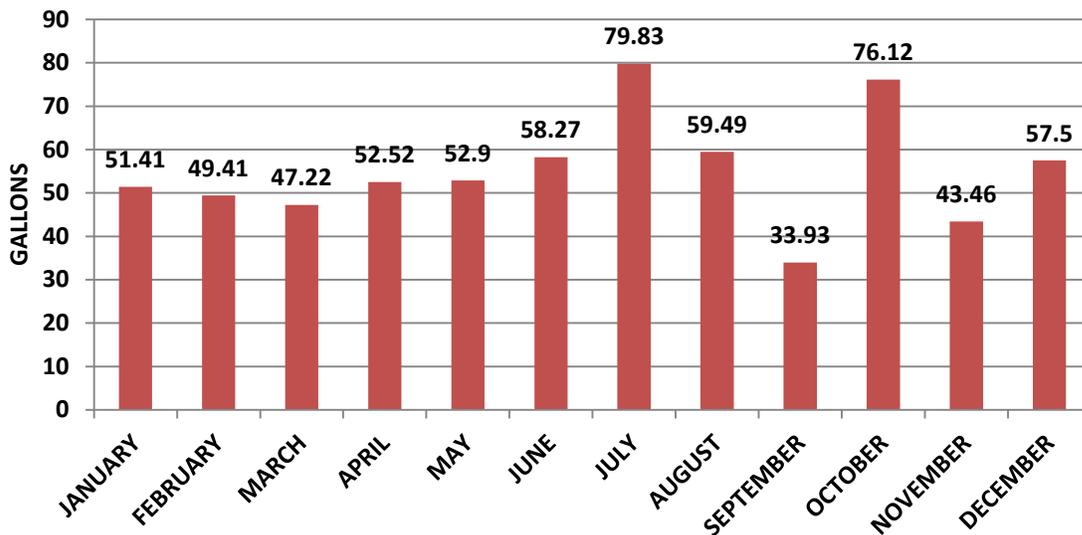
2014 CNG Usage in Gallons per Month by Department



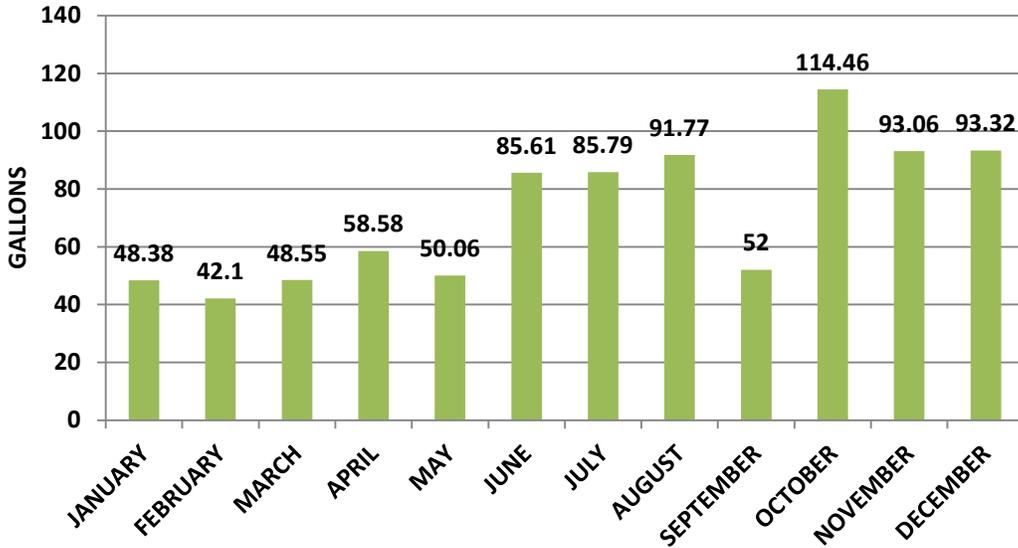
2014 CNG Usage in Gallons per Month by Department: INSPECTIONS (4 vehicles)



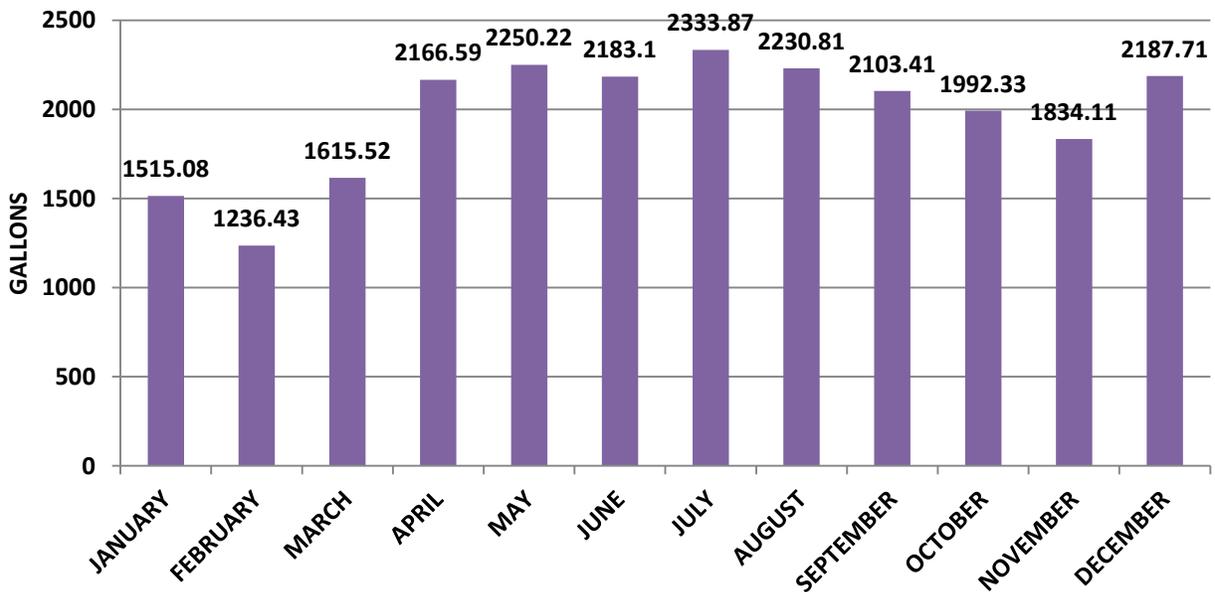
2014 CNG Usage in Gallons per Month by Department: SOLID WASTE (1 vehicle)



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

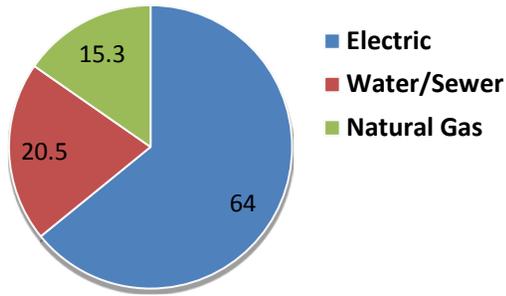


2014 CNG Usage in Gallons per Month by Department: WCCA (5 busses)



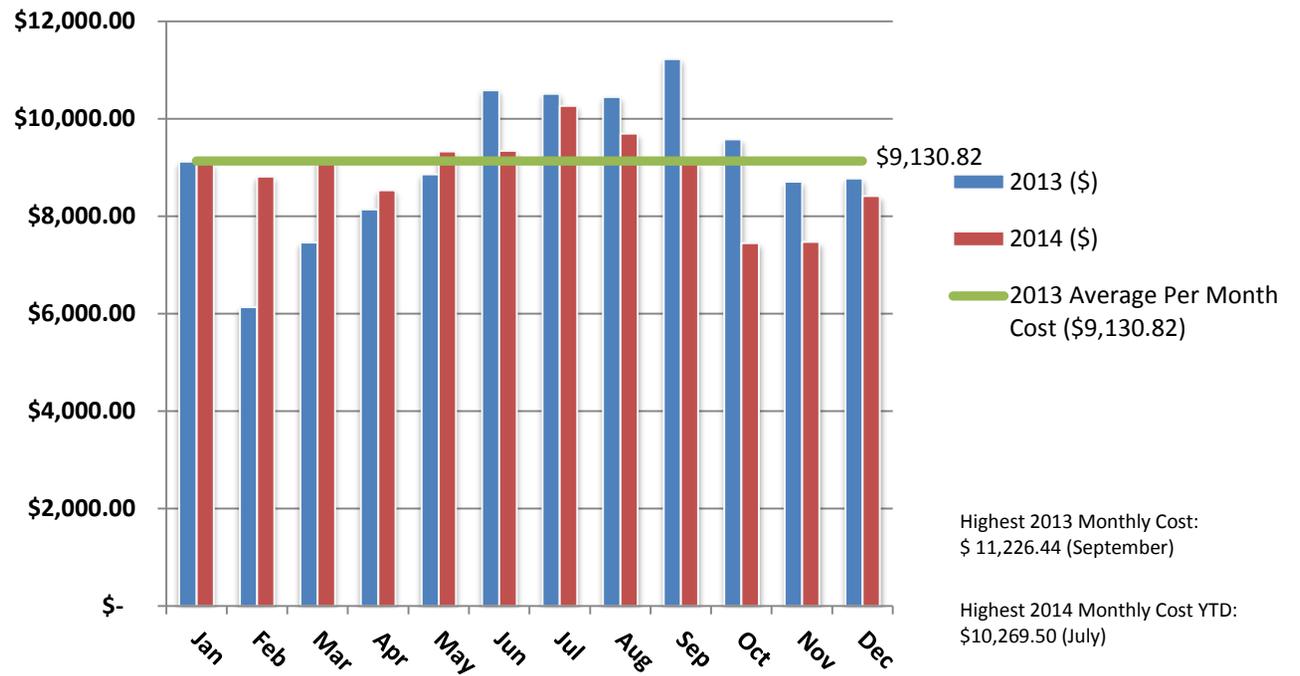
1995 Courthouse Utility Use

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).

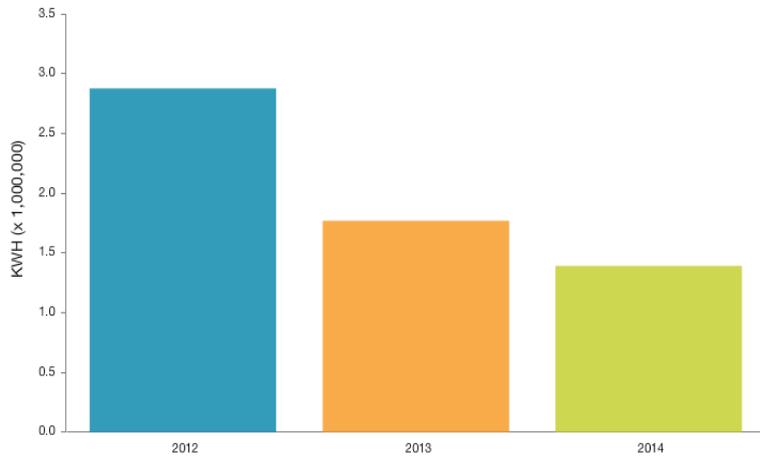
95 Courthouse Electric Cost per Month Profile 2013-2014 YTD



1995 Courthouse Utility Use

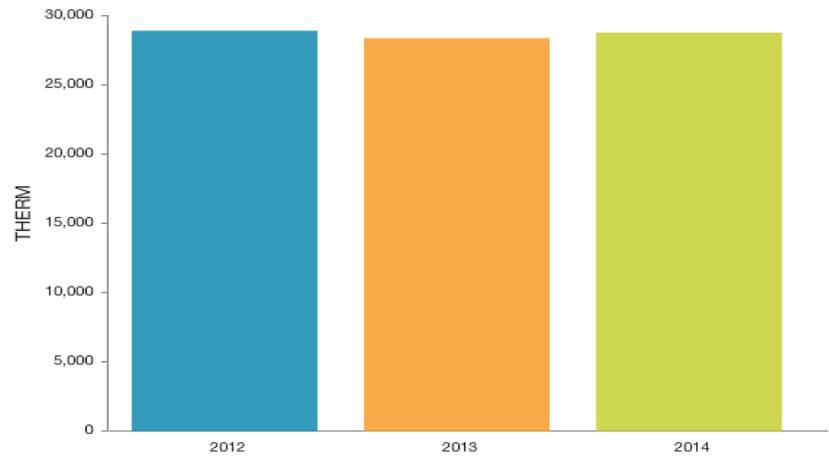
Location: Henderson County-> 95COURTHOUSE [95 Courthouse]
Time: 02/06/2015 5:18:19 PM **Commodity:** Electric **Electricity in KWH**

Total Use Summary



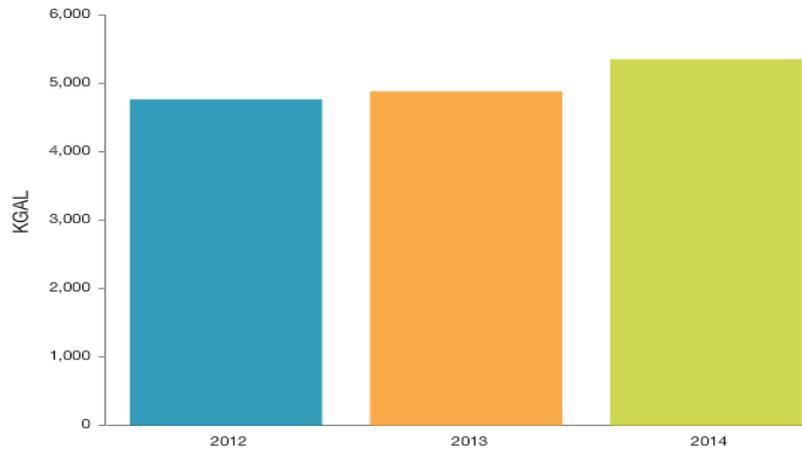
Location: Henderson County-> 95COURTHOUSE [95 Courthouse]
Time: 02/06/2015 5:18:19 PM **Commodity:** Natural Gas **Natural Gas in Therms**

Total Use Summary



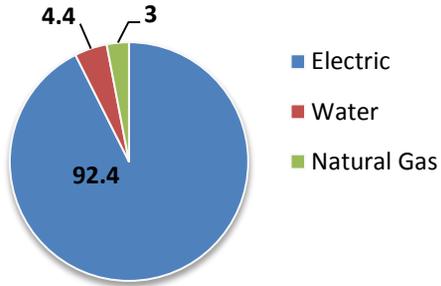
Location: Henderson County-> 95COURTHOUSE [95 Courthouse]
Time: 02/06/2015 5:18:19 PM **Commodity:** Water **Water in Thousands of Gal**

Total Use Summary



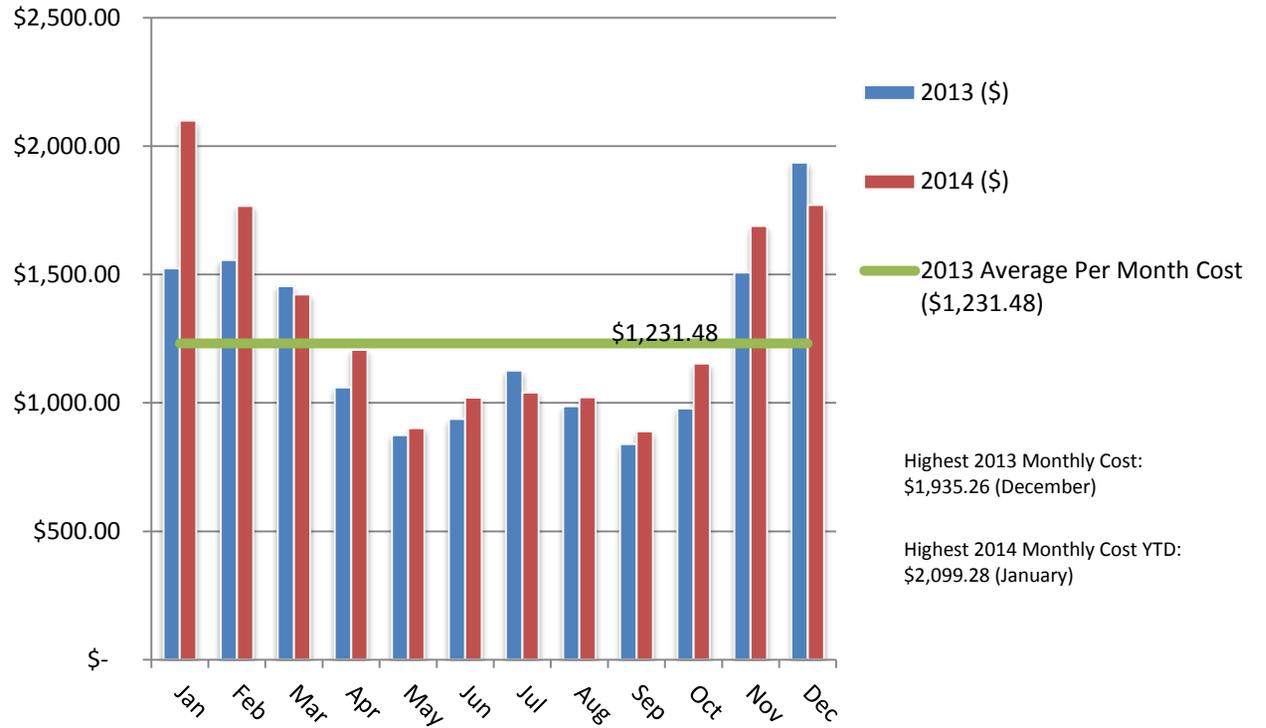
Animal Services Utility Use

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).

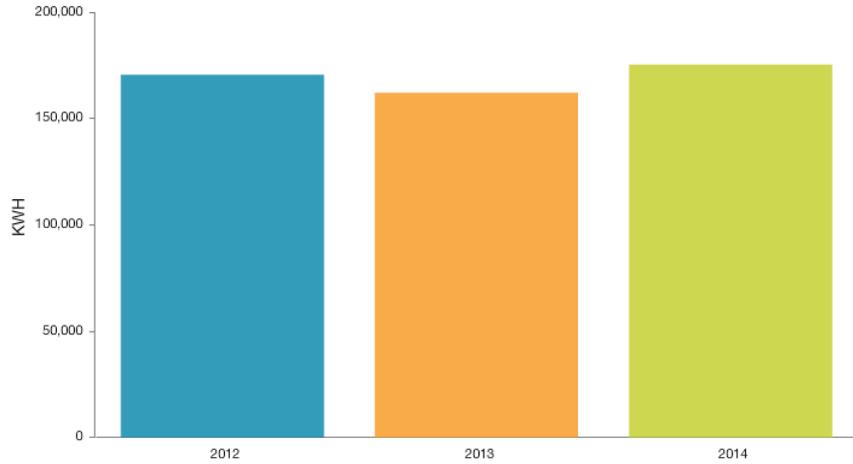
Animal Services Electric Cost per Month Profile 2013-2014 YTD



Animal Services Utility Use

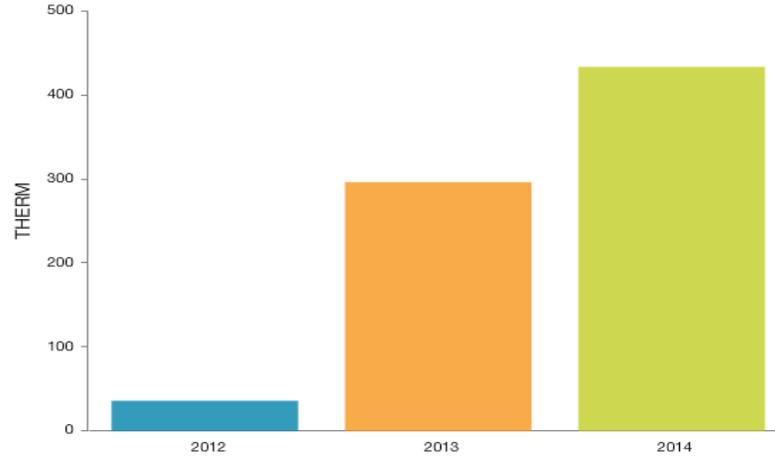
Location: Henderson County-> Animal Services-> ANIMALSHELTER_3560 [Animal Shelter]
Time: 02/04/2015 1:17:08 PM **Commodity:** Electric **Electricity in KWH**

Total Use Summary



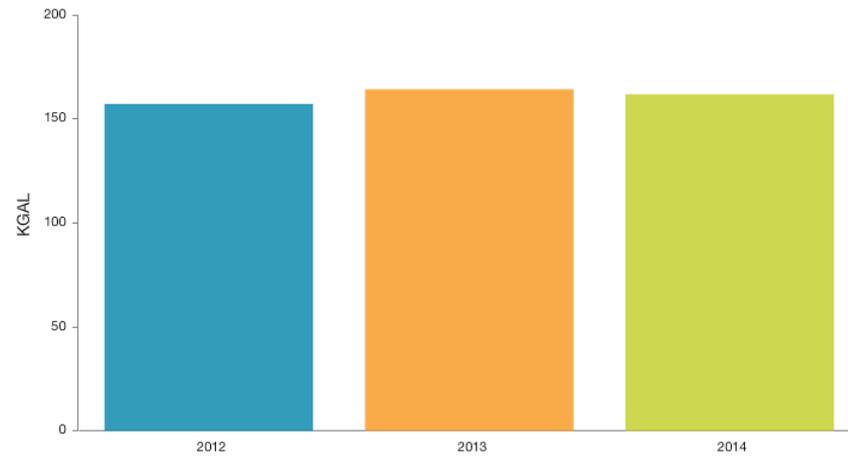
Location: Henderson County-> Animal Services-> ANIMALSHELTER_3560 [Animal Shelter]
Time: 02/04/2015 1:17:08 PM **Commodity:** Natural Gas **Natural Gas in Therms**

Total Use Summary



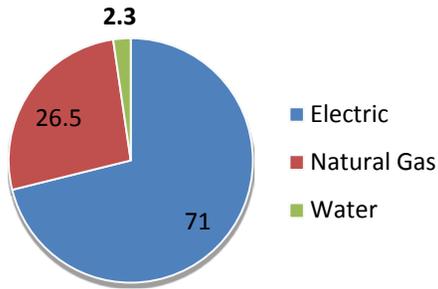
Location: Henderson County-> Animal Services-> ANIMALSHELTER_3560 [Animal Shelter]
Time: 02/04/2015 1:17:08 PM **Commodity:** Water **Water in Thousands of Gal**

Total Use Summary



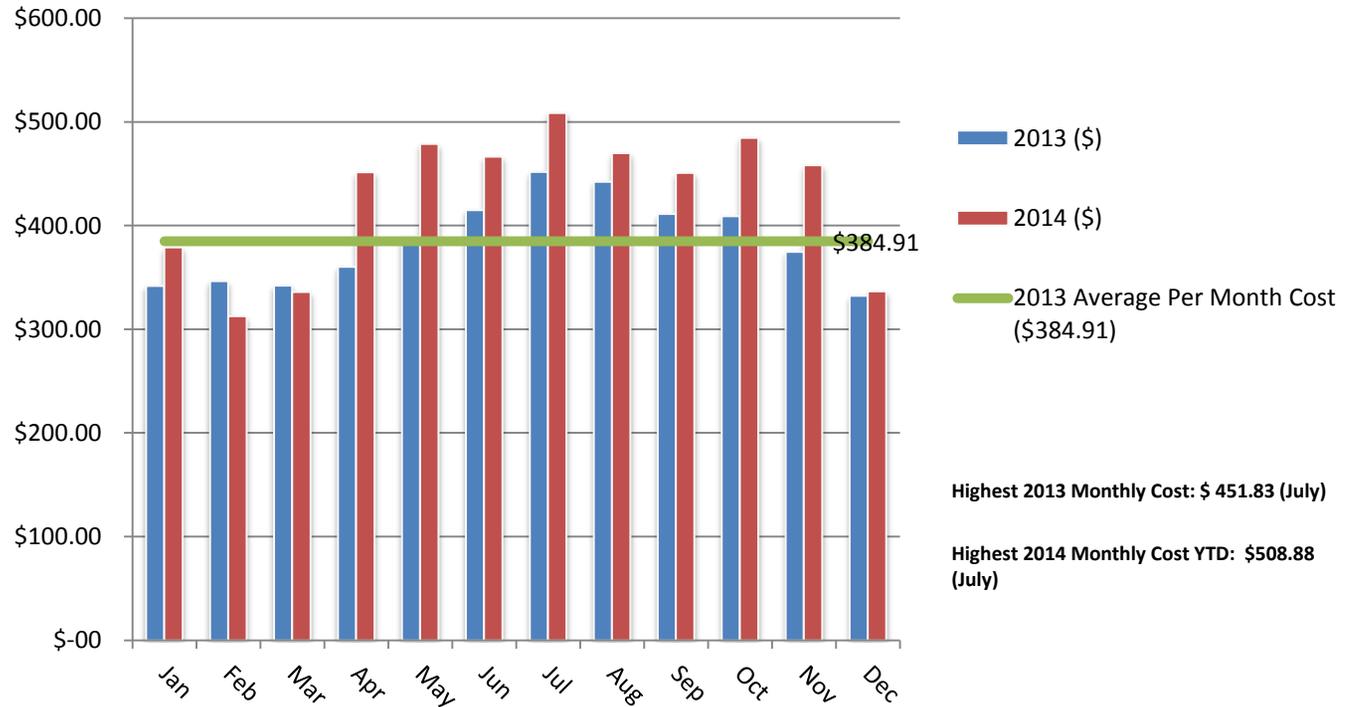
Board of Elections Utility Use

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

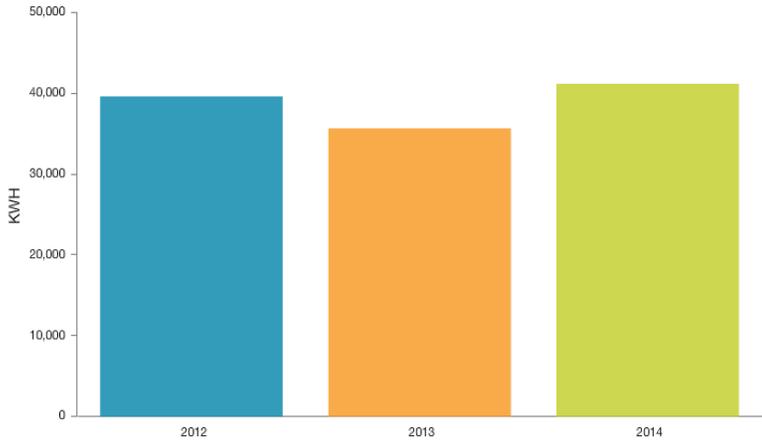


Board of Elections Utility Use

Location: Henderson County-> Board Of Elections-> BOARDOFELECTIONS_3560 [Board Of
Time: 02/04/2015 1:17:08 PM **Commodity:** Electric

Electricity in KWH

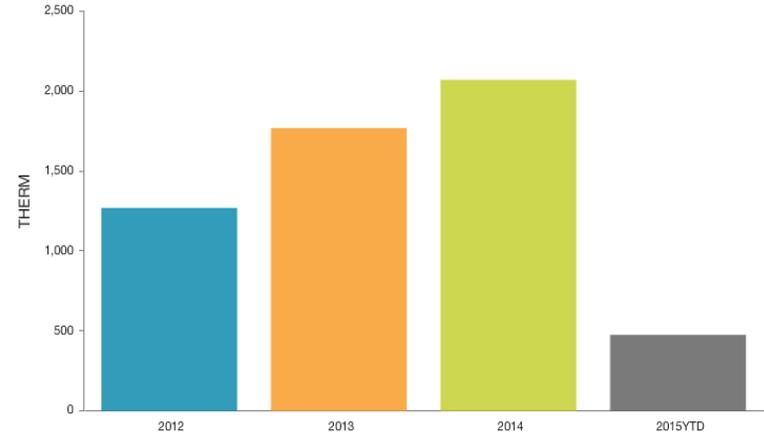
Total Use Summary



Location: Henderson County-> Board Of Elections-> BOARDOFELECTIONS_3560 [Board Of
Time: 02/04/2015 1:17:08 PM **Commodity:** Natural Gas

Natural Gas in Therms

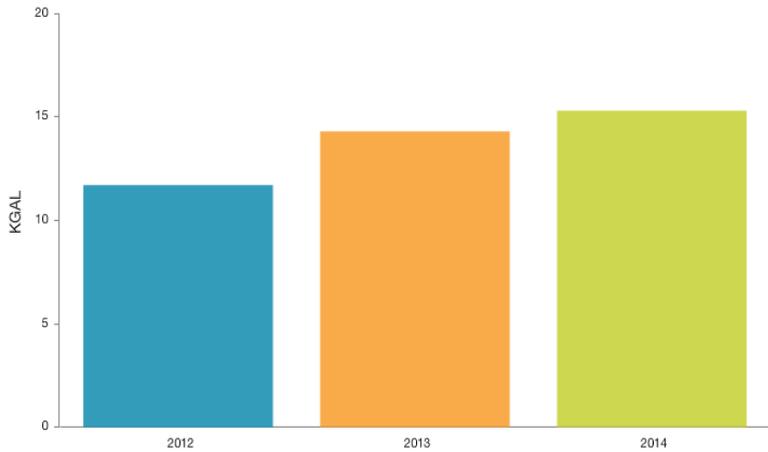
Total Use Summary



Location: Henderson County-> Board Of Elections-> BOARDOFELECTIONS_3560 [Board Of Elections]
Time: 02/04/2015 1:17:08 PM **Commodity:** Water

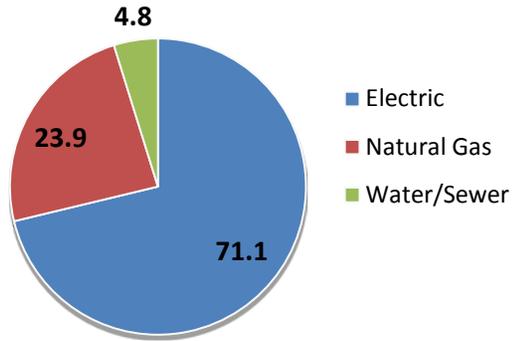
Water in Thousands of Gal

Total Use Summary



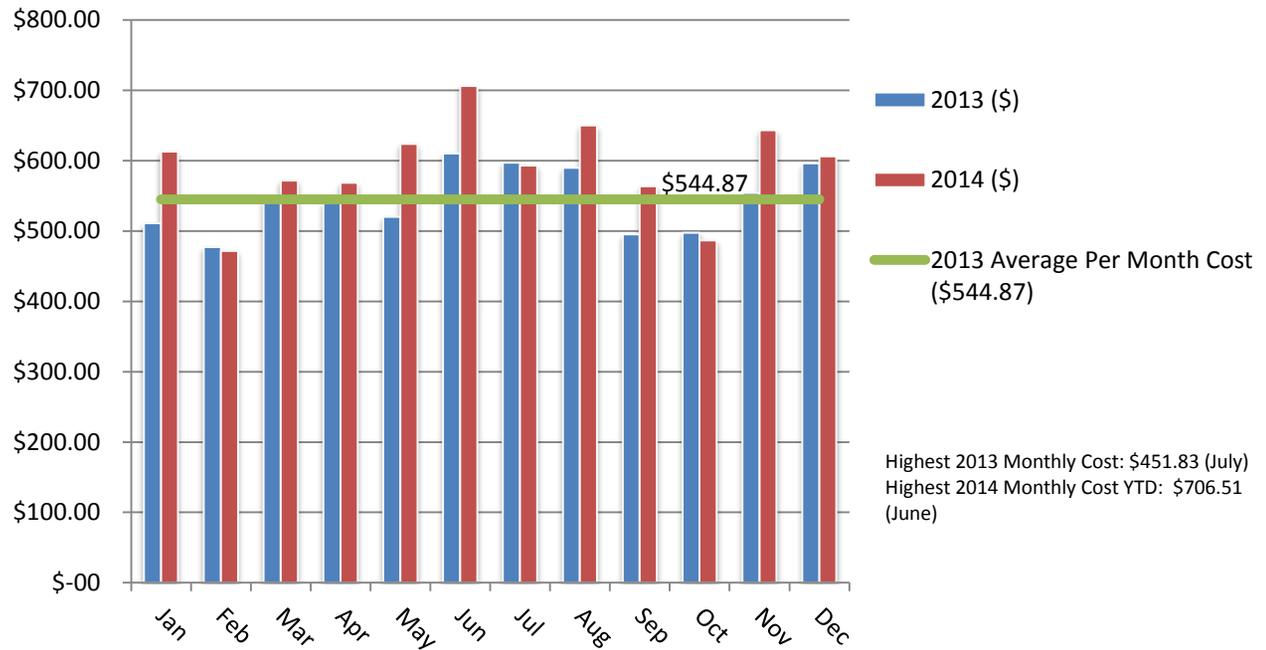
Central Services Utility Use

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**



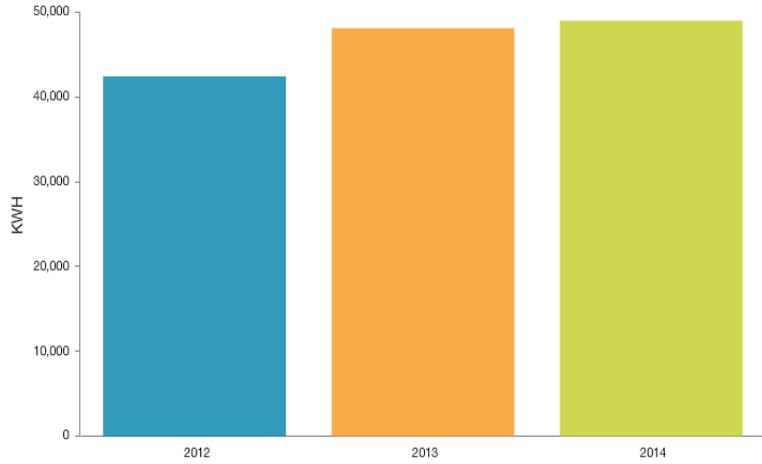
Central Services Utility Use

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

Commodity: Electric

Electricity in KWH

Total Use Summary

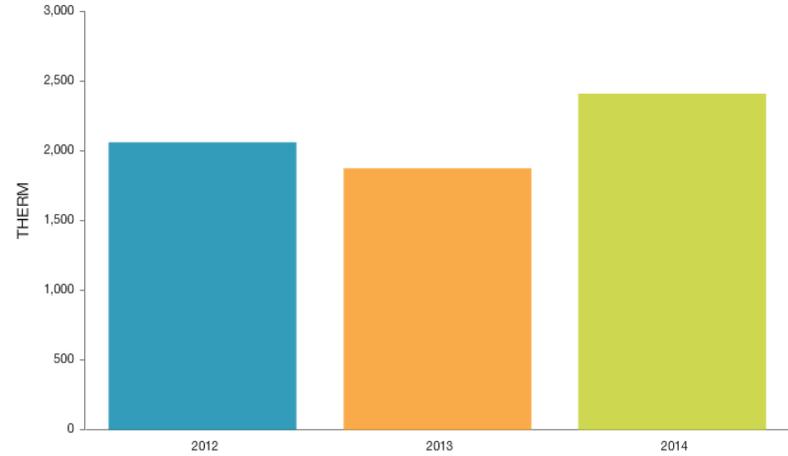


Location: Henderson County-> CENTRALSERVICES [Central Services]
Time: 02/04/2015 1:17:08 PM

Commodity: Natural Gas

Natural Gas in Therms

Total Use Summary

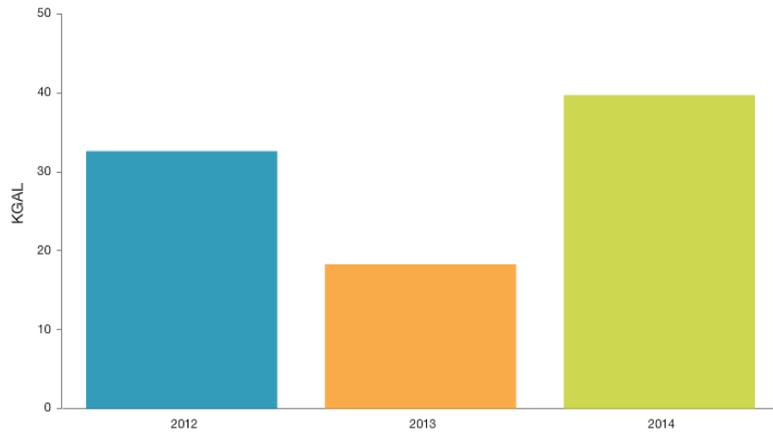


Location: Henderson County-> CENTRALSERVICES [Central Services]
Time: 02/04/2015 1:17:08 PM

Commodity: Water

Water in Thousands of Gal

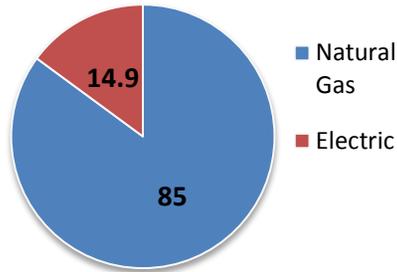
Total Use Summary



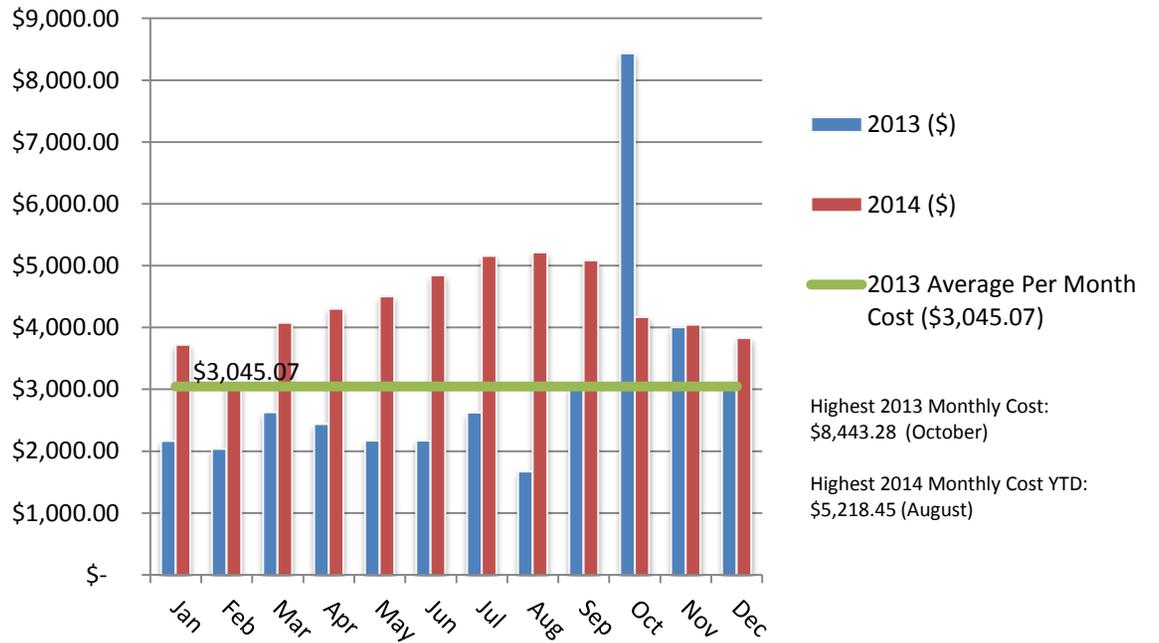
CNG Station Utility Use

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

Total Cost % YTD*

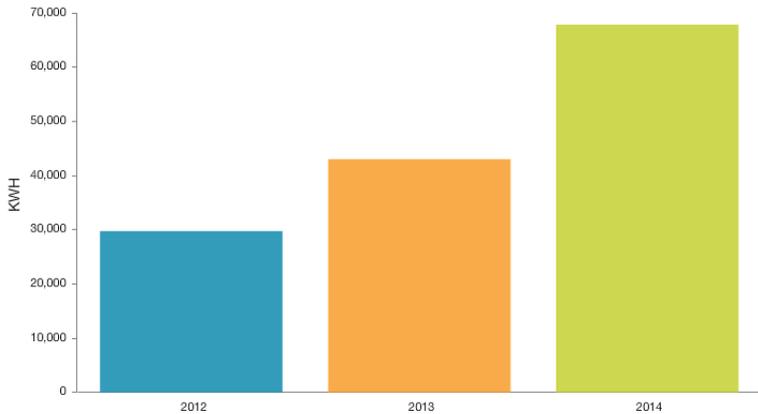


* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).



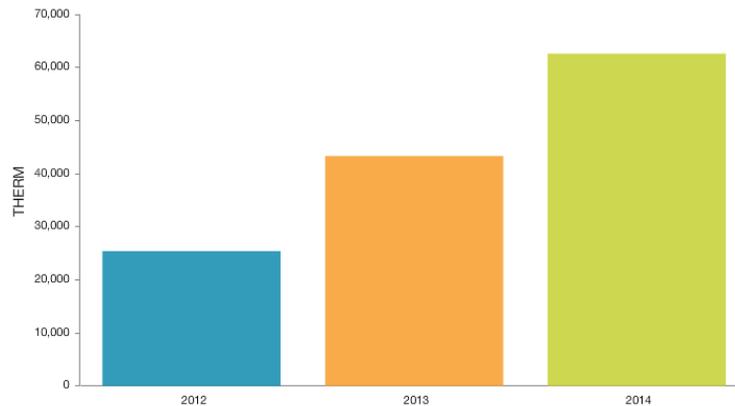
Location: Henderson County-> Cng Station-> CNGSTATION230_3560 [Cng Station]
 Time: 02/04/2015 2:17:09 PM Commodity: Electric Electricity in KWH

Total Use Summary



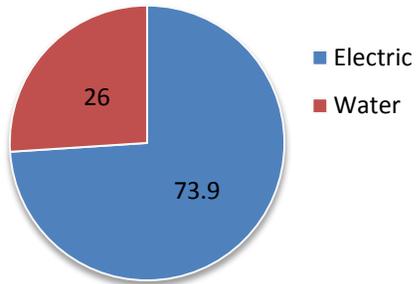
Location: Henderson County-> Cng Station-> CNGSTATION230_3560 [Cng Station]
 Time: 02/04/2015 2:17:09 PM Commodity: Natural Gas Natural Gas in Therms

Total Use Summary



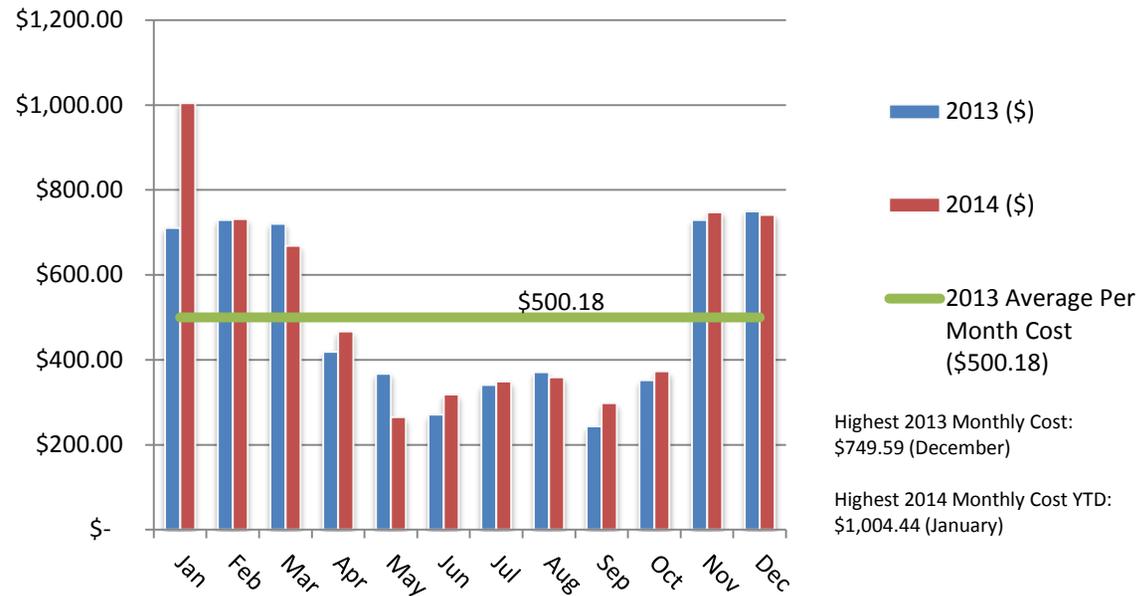
Cooperative Extension Utility Use

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).

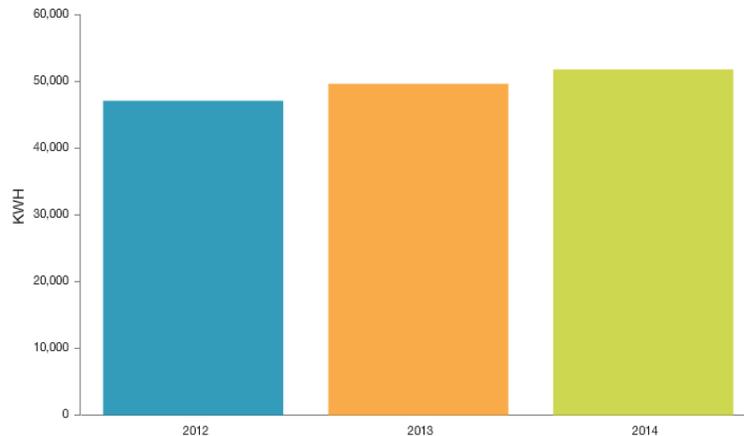
Cooperative Extension Electric Cost per Month Profile 2013-2014 YTD



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

Electricity in KWH

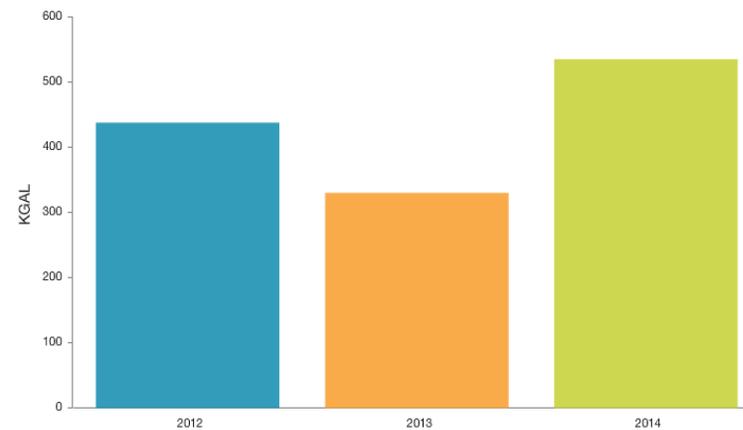
Total Use Summary



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

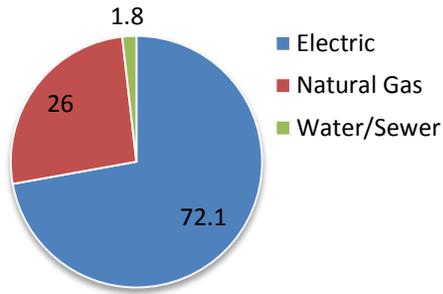
Water in Thousands of Gal

Total Use Summary



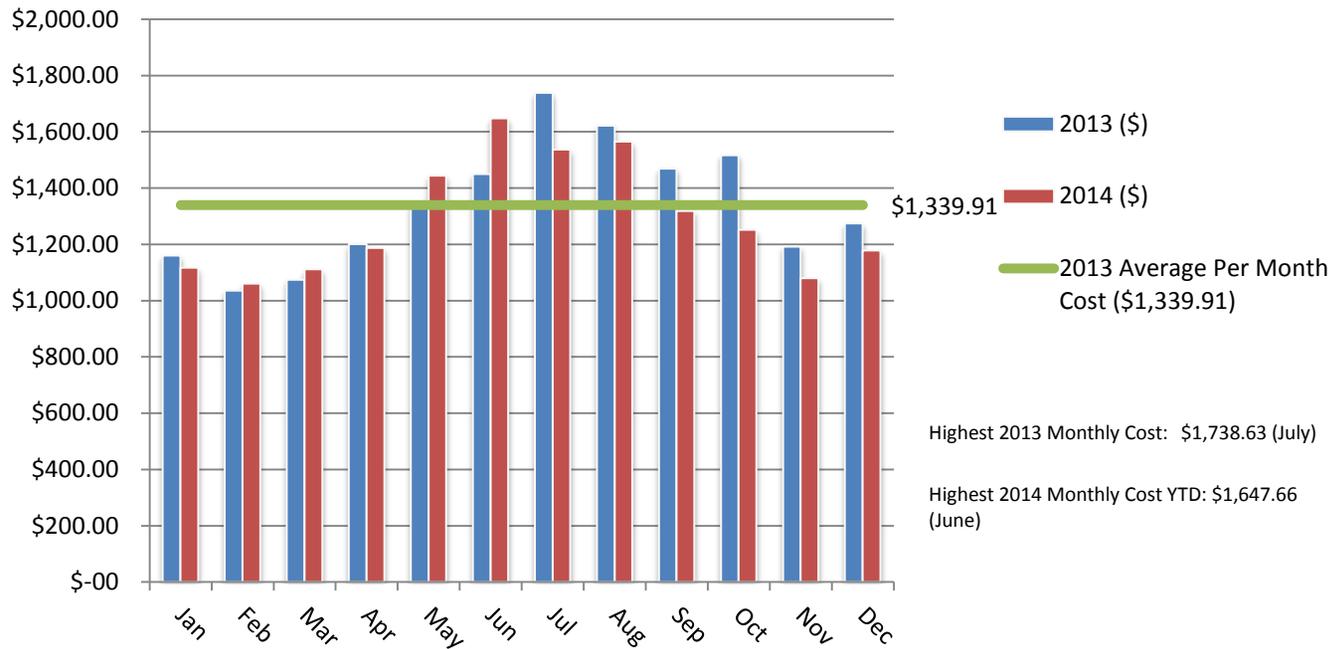
Court Services Utility Use

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).

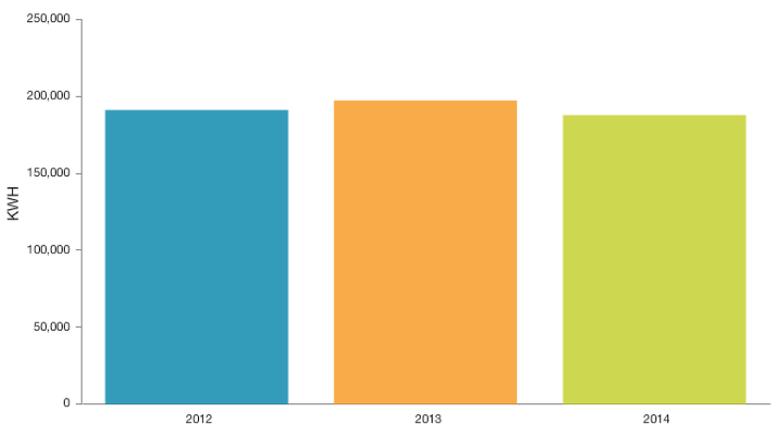
Court Services Electric Cost per Month Profile 2013-2014 YTD



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**

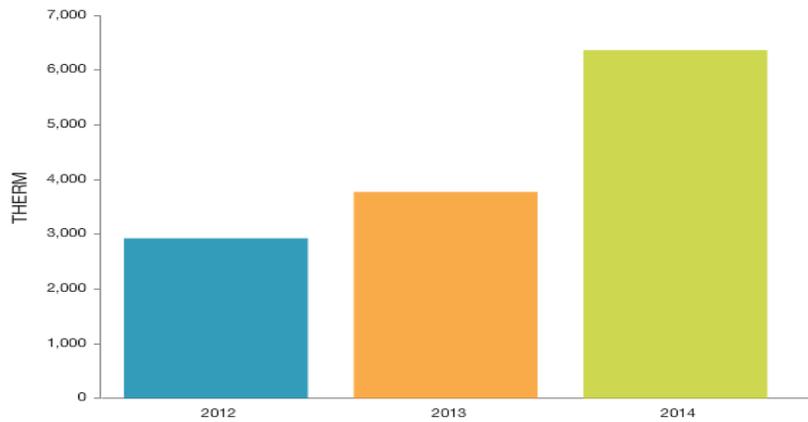
Total Use Summary



Location: Henderson County-> OLDHEALTHDEPARTMENT_3560 [Court Services Building]
Time: 02/06/2015 5:18:19 PM **Commodity:** Natural Gas

Natural Gas in Therms

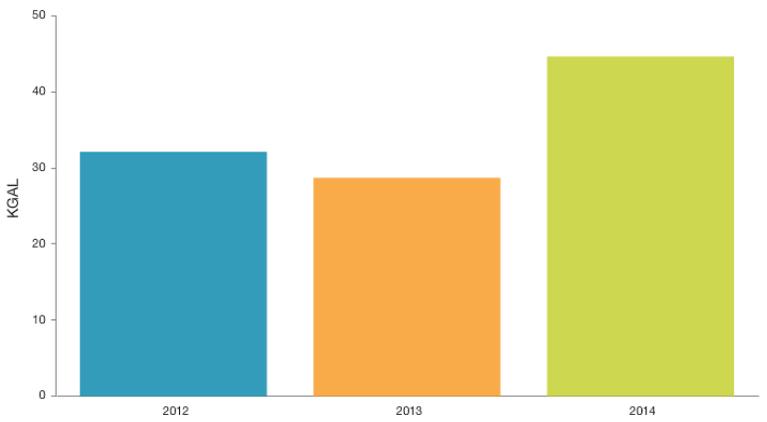
Total Use Summary



Location: Henderson County-> OLDHEALTHDEPARTMENT_3560 [Court Services Building]
Time: 02/06/2015 5:18:19 PM **Commodity:** Water

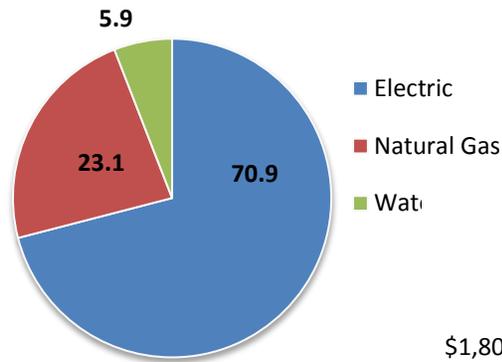
Water in Thousands of Gal

Total Use Summary



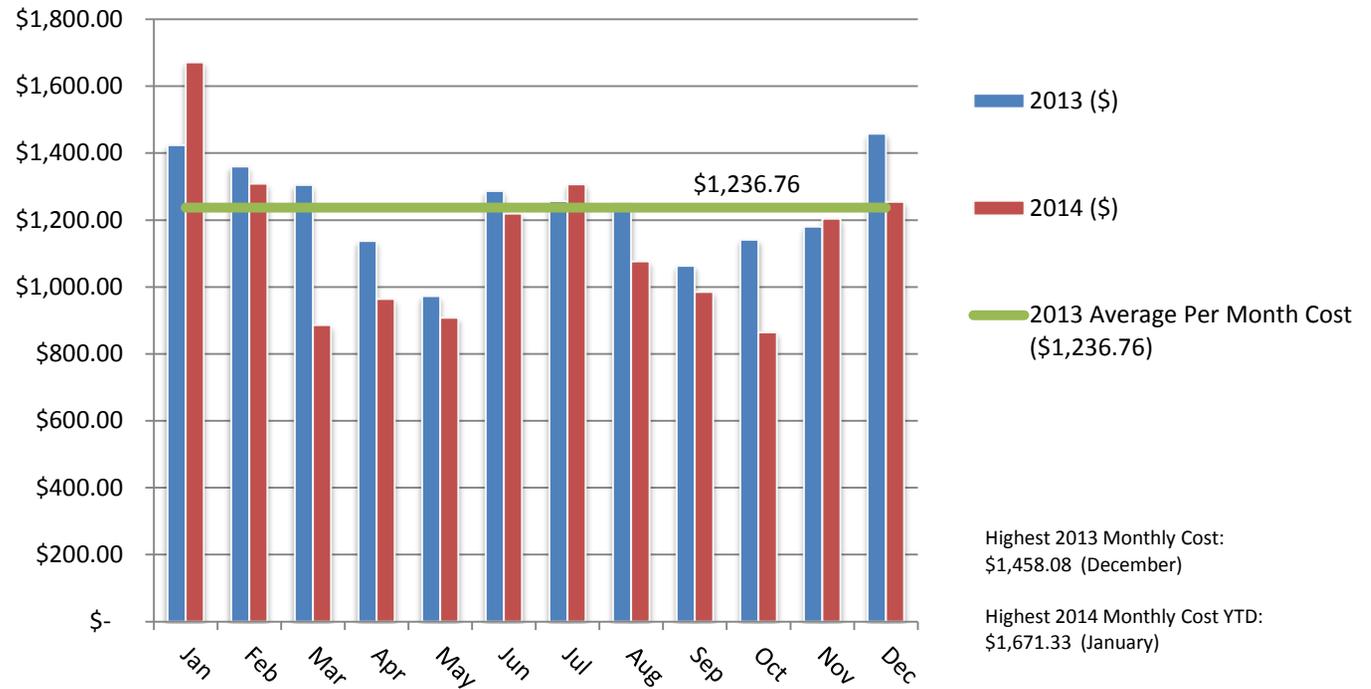
Emergency Services Utility Use

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).

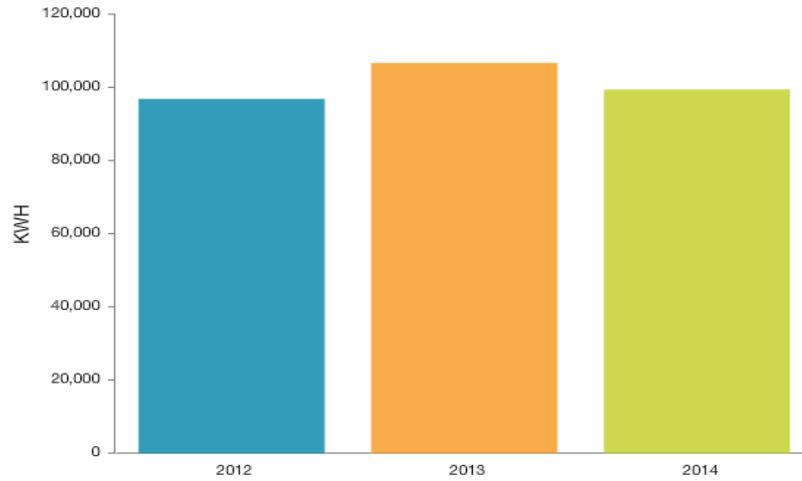
Emergency Services Electric Cost per Month Profile 2013-2014 YTD



Emergency Services Utility Use

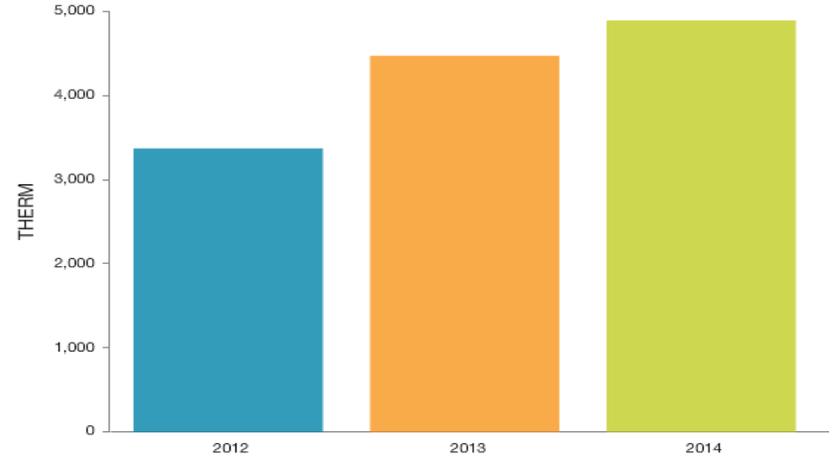
Location: Henderson County-> EMERGENCYSERVICES [Emergency Services]
Time: 02/05/2015 1:17:44 PM **Commodity:** Electric Electricity in KWH

Total Use Summary



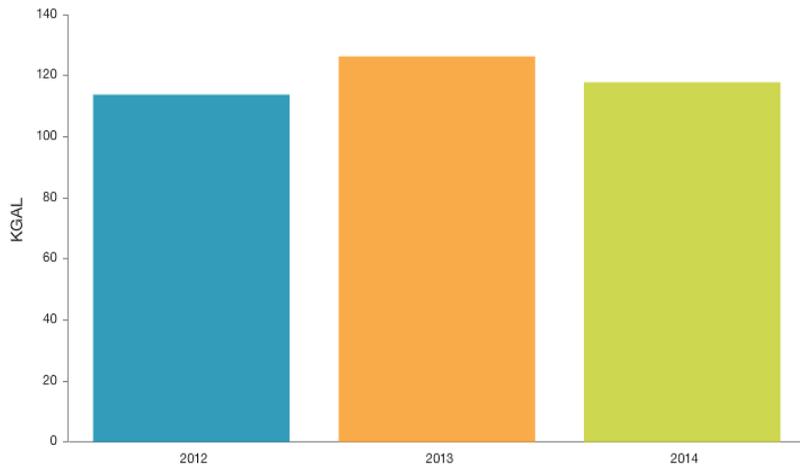
Location: Henderson County-> EMERGENCYSERVICES [Emergency Services]
Time: 02/05/2015 1:17:44 PM **Commodity:** Natural Gas Natural Gas in Therms

Total Use Summary



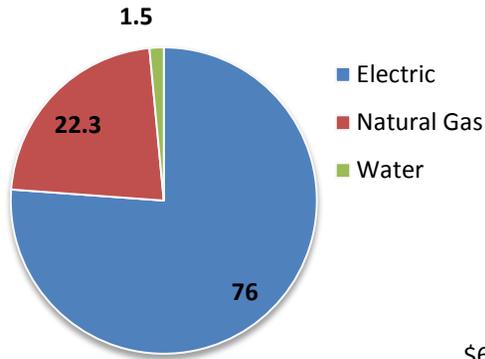
Location: Henderson County-> EMERGENCYSERVICES [Emergency Services]
Time: 02/05/2015 1:17:44 PM **Commodity:** Water Water in Thousands of Gal

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).

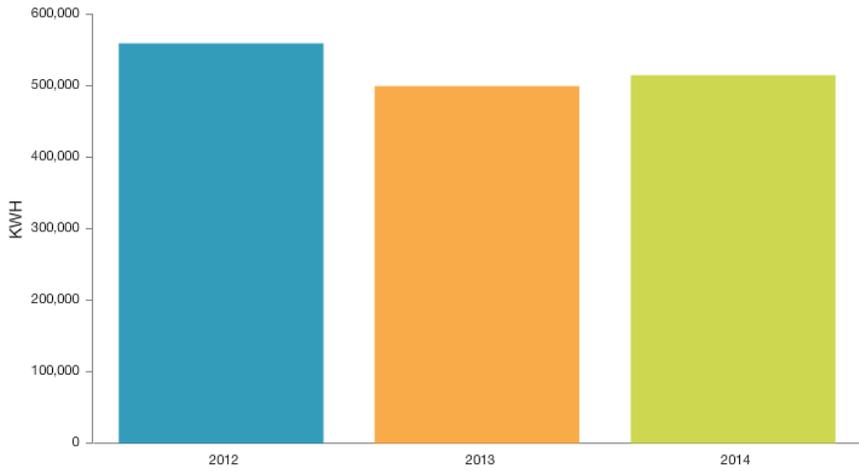
Historic Courthouse Electric Cost per Month Profile 2013-2014 YTD



Historic Courthouse Utility Use

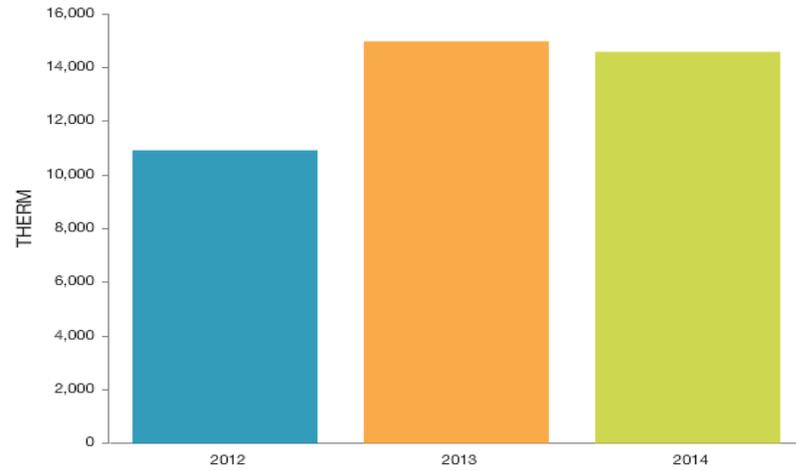
Location: Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]
Time: 02/04/2015 2:17:09 PM **Commodity:** Electric Electricity in KWH

Total Use Summary



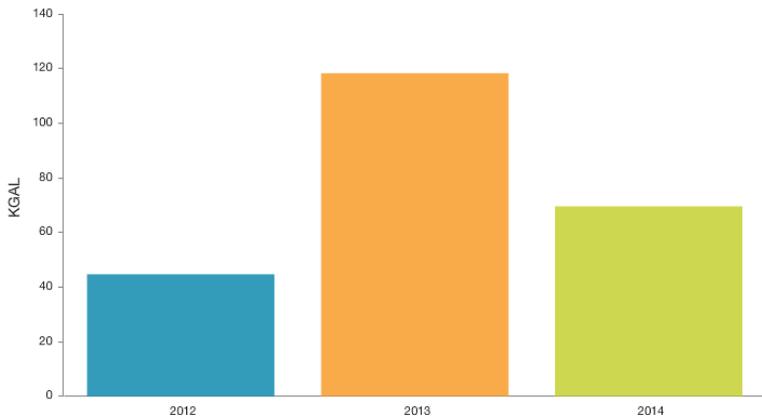
Location: Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]
Time: 02/04/2015 2:17:09 PM **Commodity:** Natural Gas Natural Gas in Therms

Total Use Summary



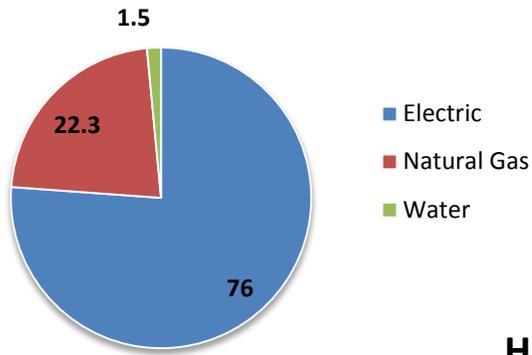
Location: Henderson County-> HISTORICCOURTHOUSE [Historic Courthouse]
Time: 02/04/2015 2:17:09 PM **Commodity:** Water Water in Thousands of Gal

Total Use Summary



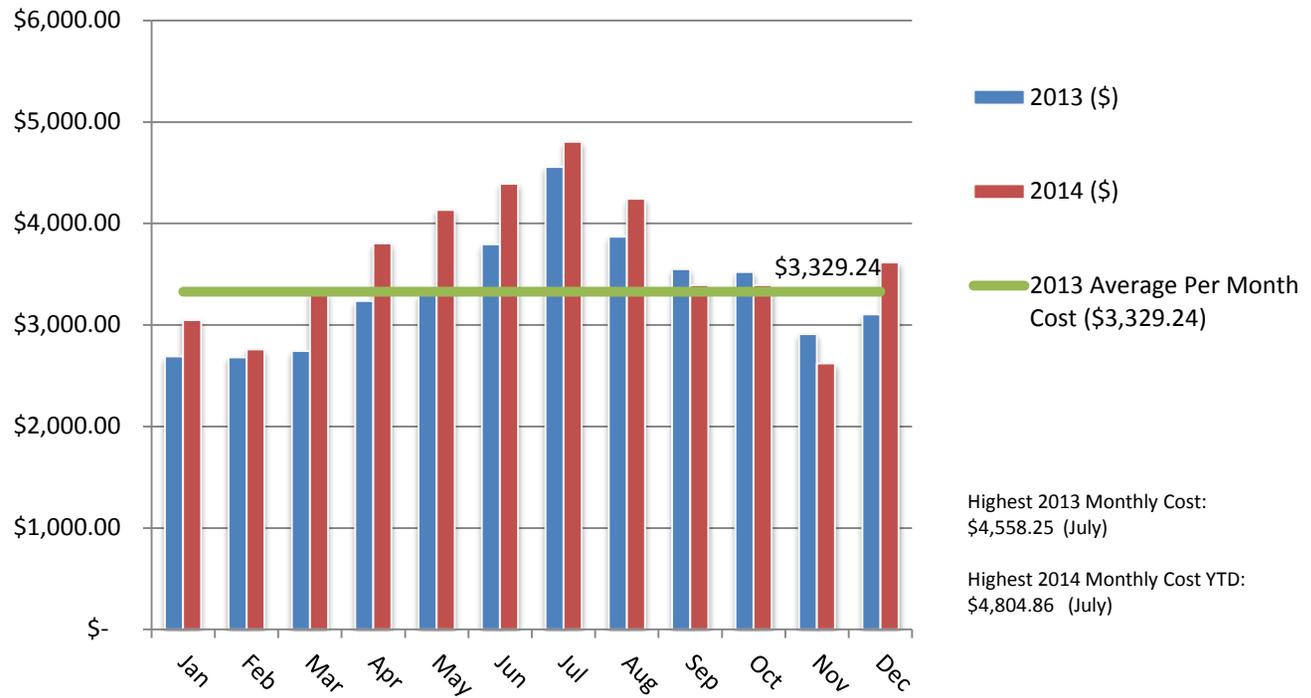
Human Services Utility Use

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).

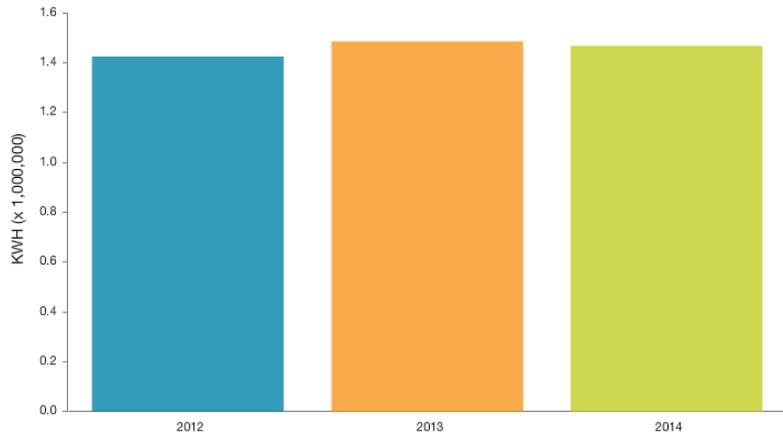
Historic Courthouse Electric Cost per Month Profile 2013-2014 YTD



Human Services Utility Use

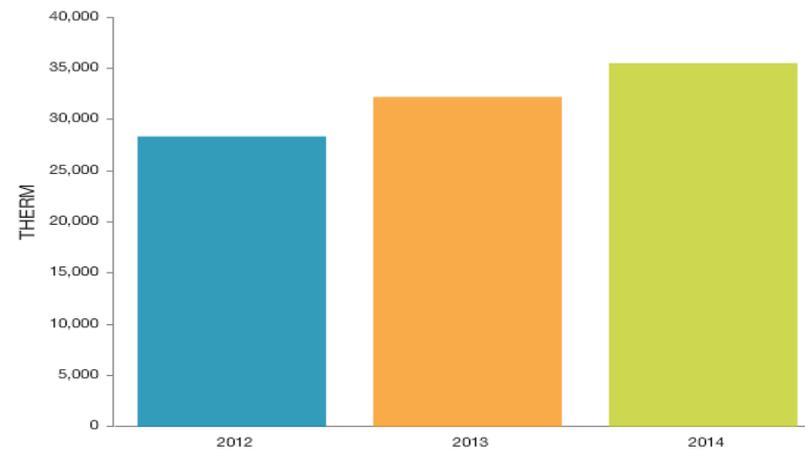
Location: Henderson County-> HUMANSERVICES [Human Services]
Time: 02/06/2015 2:16:58 PM Commodity: Electric Electricity in KWH

Total Use Summary



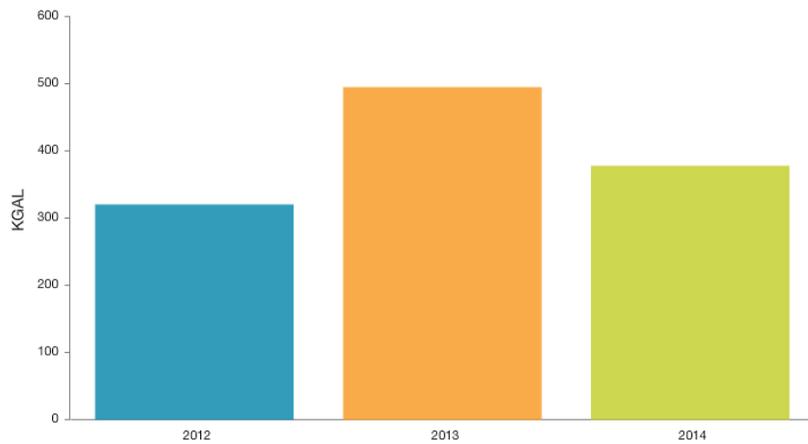
Location: Henderson County-> HUMANSERVICES [Human Services]
Time: 02/06/2015 2:16:58 PM Commodity: Natural Gas in Therms

Total Use Summary



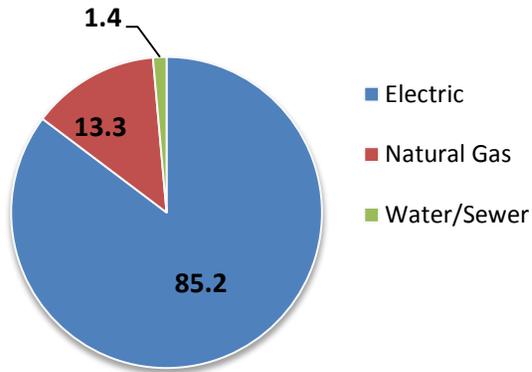
Location: Henderson County-> HUMANSERVICES [Human Services]
Time: 02/06/2015 2:16:58 PM Commodity: Water Water in Thousands of Gal

Total Use Summary



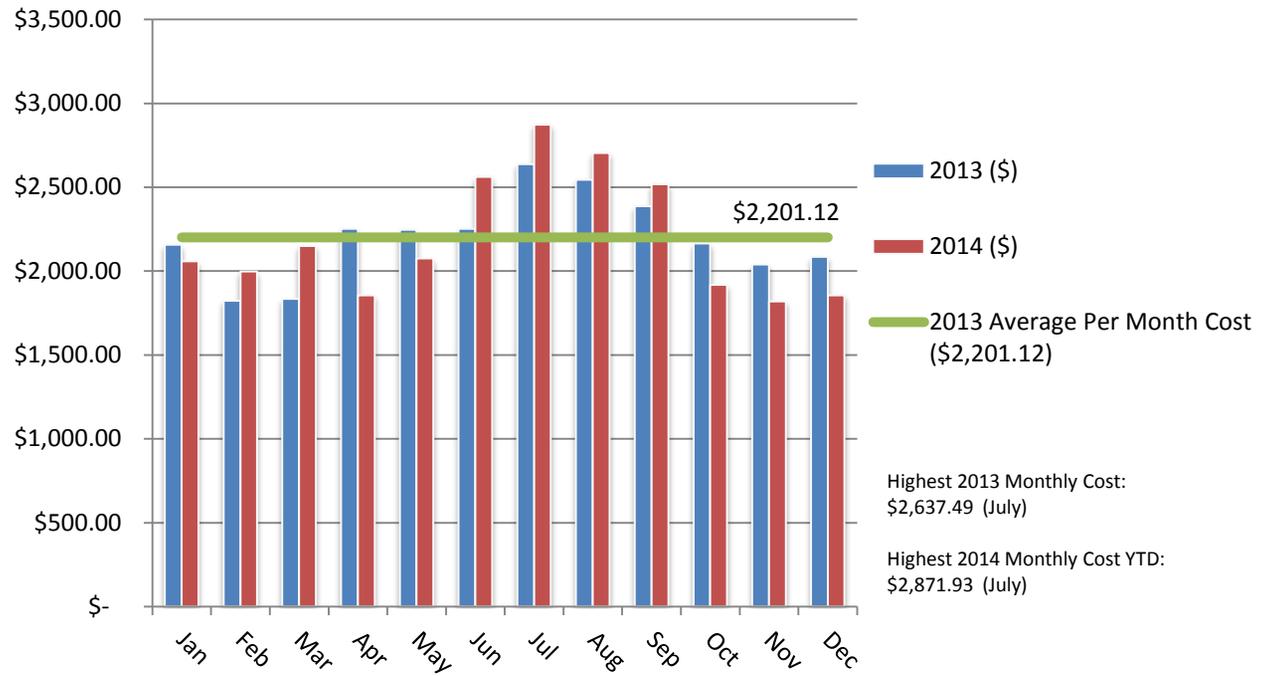
King Street Utility Use

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

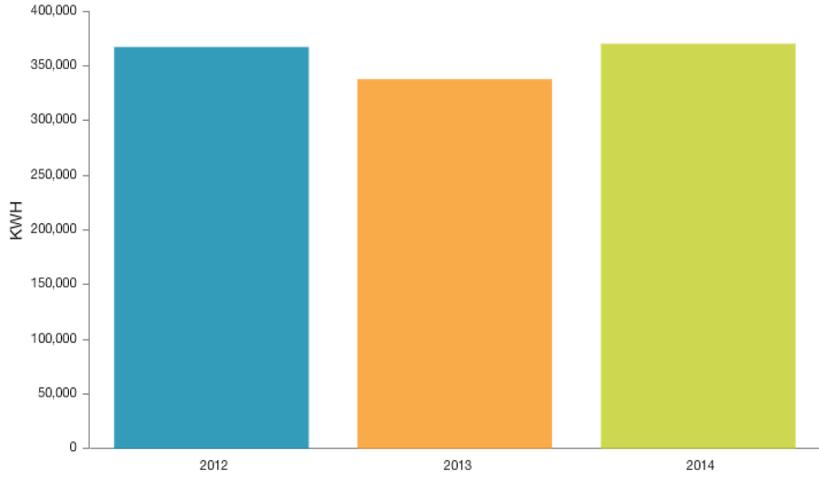


King Street Utility Use

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

Electricity in KWH

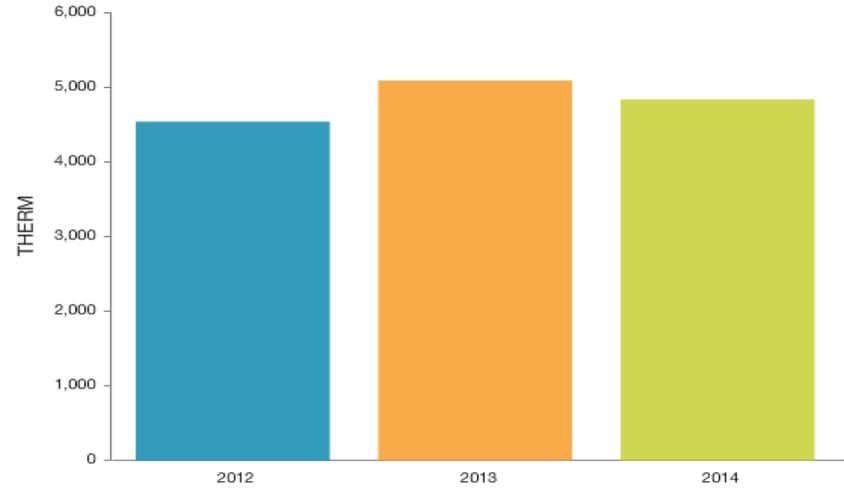
Total Use Summary



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

Natural Gas in Therms

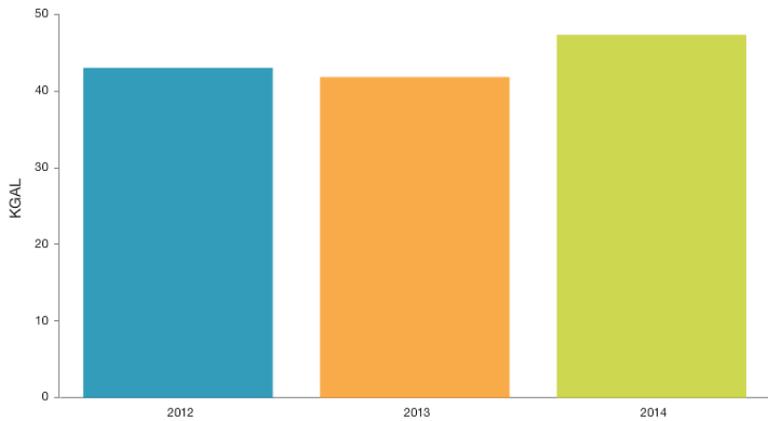
Total Use Summary



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

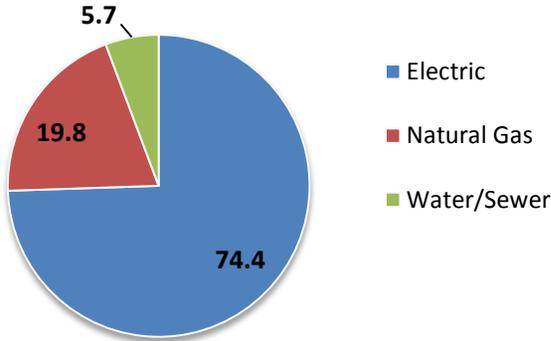
Water in Thousands of Gal

Total Use Summary



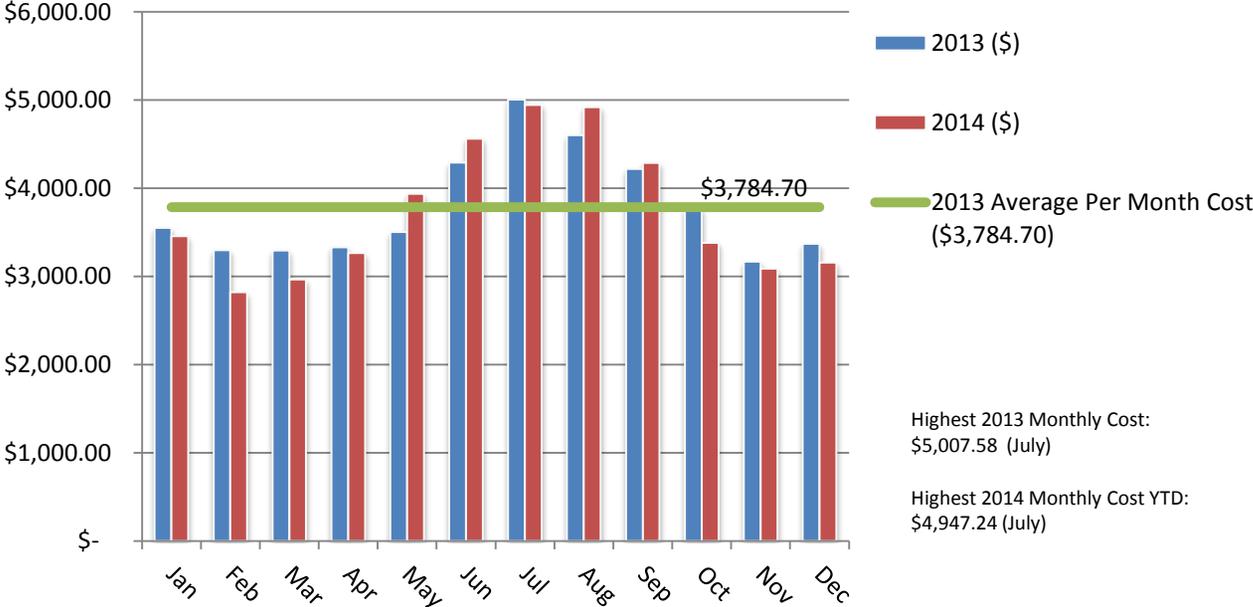
Library Utility Use

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).

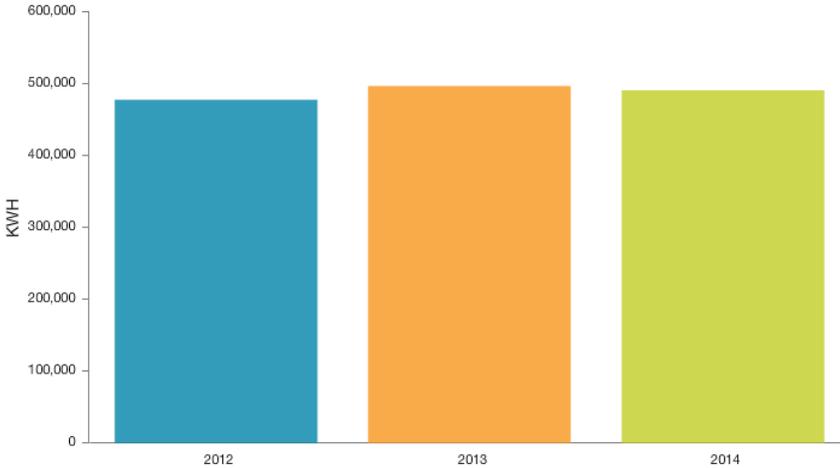
Libraries Electric Cost per Month Profile 2013-2014 YTD



Library Utility Use

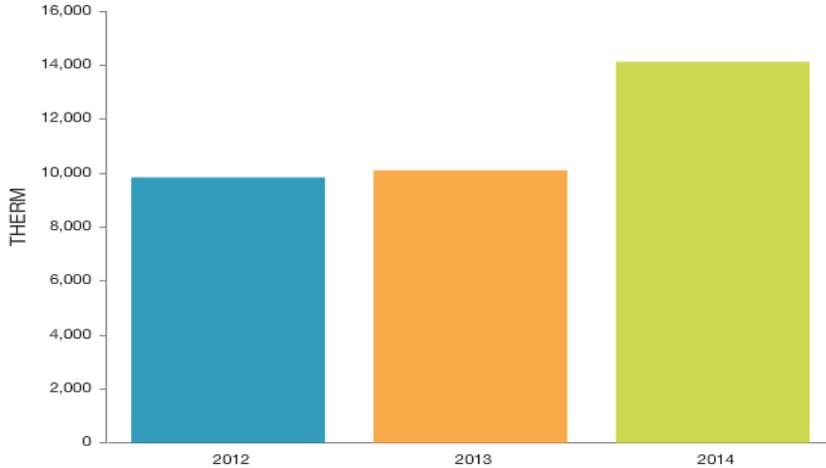
Location: Henderson County-> LIBRARY [Library]
Time: 02/06/2015 2:16:58 PM **Commodity:** Electric Electricity in KWH

Total Use Summary



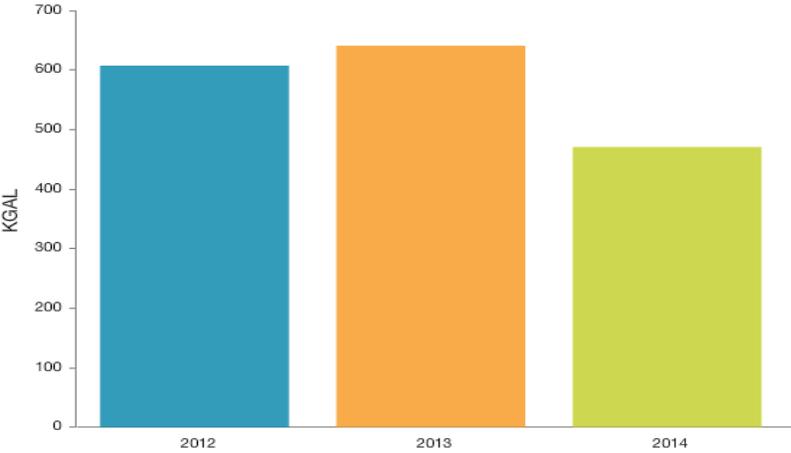
Location: Henderson County-> LIBRARY [Library]
Time: 02/06/2015 2:16:58 PM **Commodity:** Nat Natural Gas in Therms

Total Use Summary



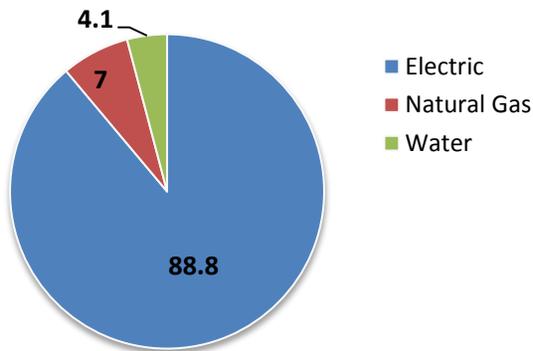
Location: Henderson County-> LIBRARY [Library]
Time: 02/06/2015 2:16:58 PM **Commodity:** Water Water in Thousands of Gal

Total Use Summary



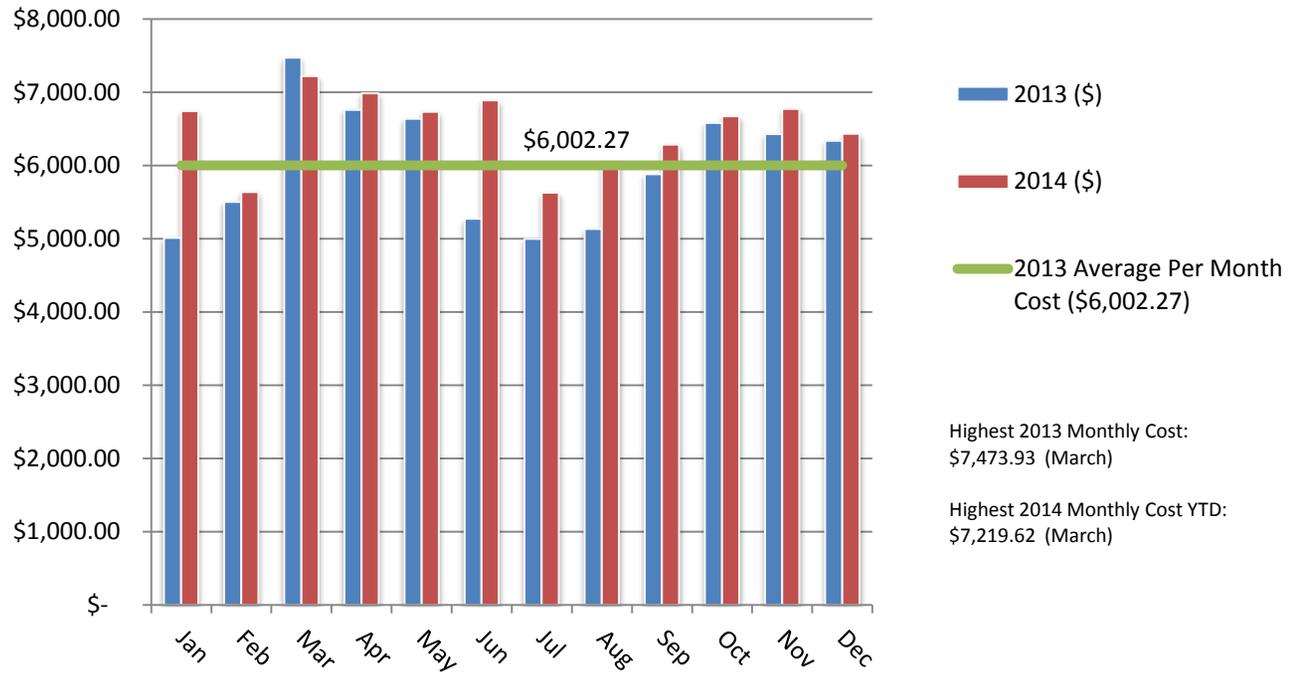
Parks and Recreation Utility Use

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).

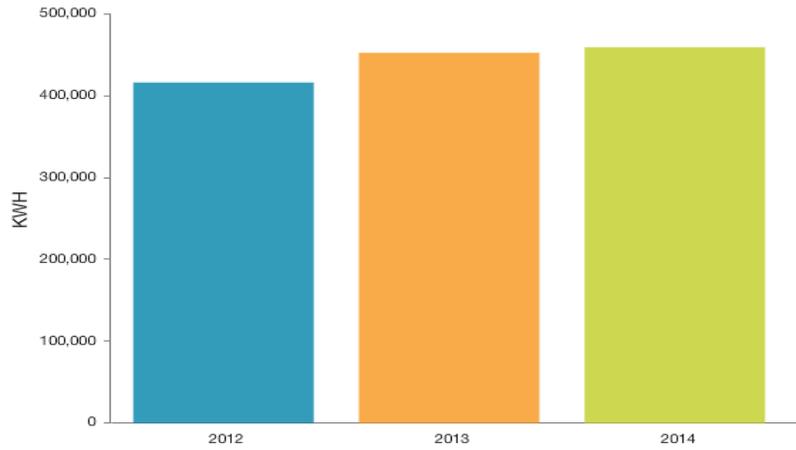
Parks & Recreation Electric Cost per Month Profile 2013-2014 YTD



Parks and Recreation Utility Use

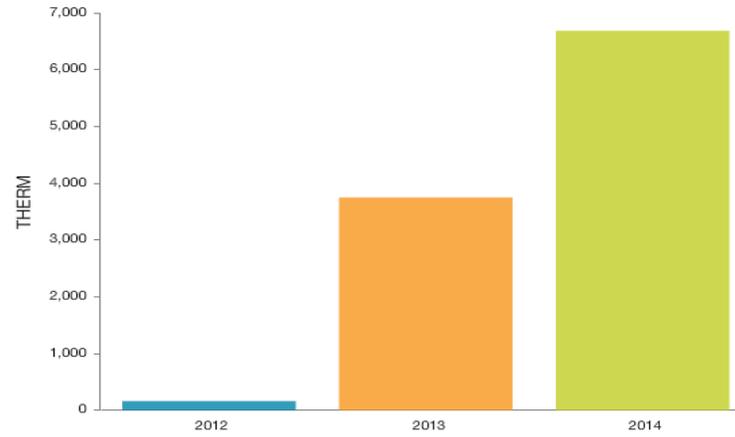
Location: Henderson County-> PARKS&RECREATION [Parks & Recreation]
Time: 02/06/2015 2:16:58 PM **Commodity:** Electric Electricity in KWH

Total Use Summary



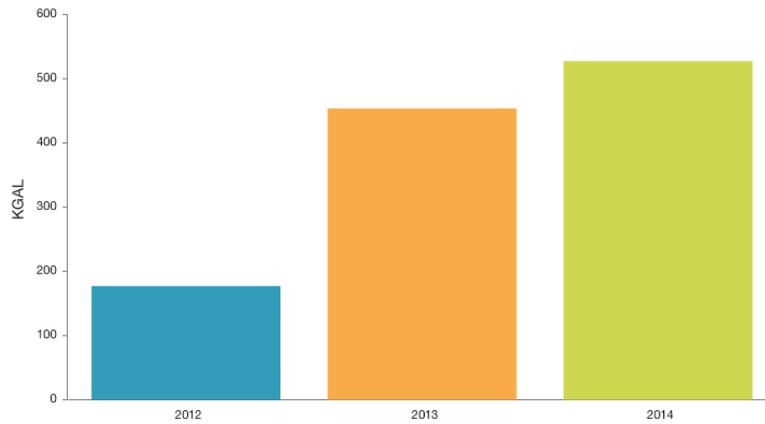
Location: Henderson County-> PARKS&RECREATION [Parks & Recreation]
Time: 02/06/2015 2:16:58 PM **Commodity:** Natural Gas Natural Gas in Therms

Total Use Summary



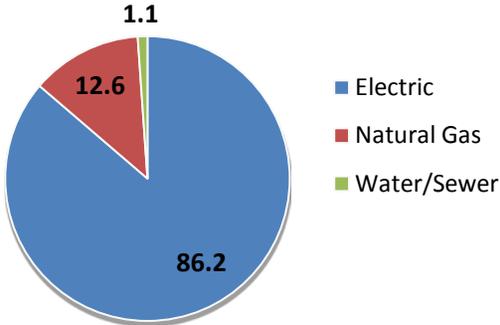
Location: Henderson County-> PARKS&RECREATION [Parks & Recreation]
Time: 02/06/2015 2:16:58 PM **Commodity:** Water Water in Thousands of Gal

Total Use Summary



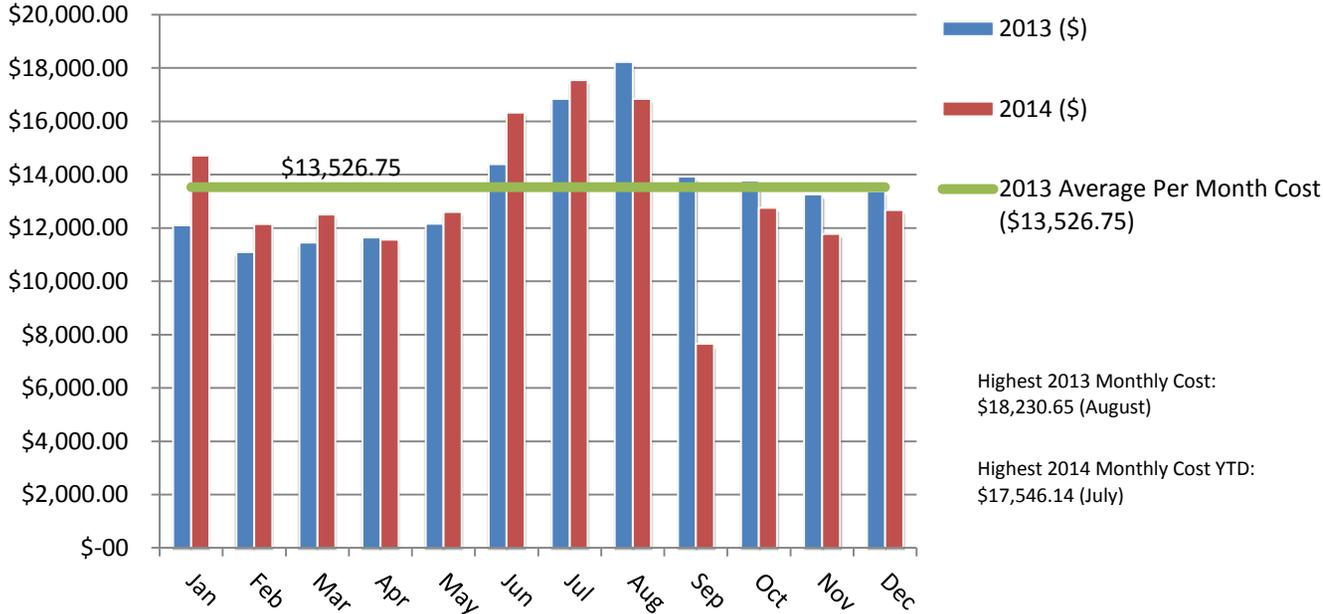
Sheriff Utility Use

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).

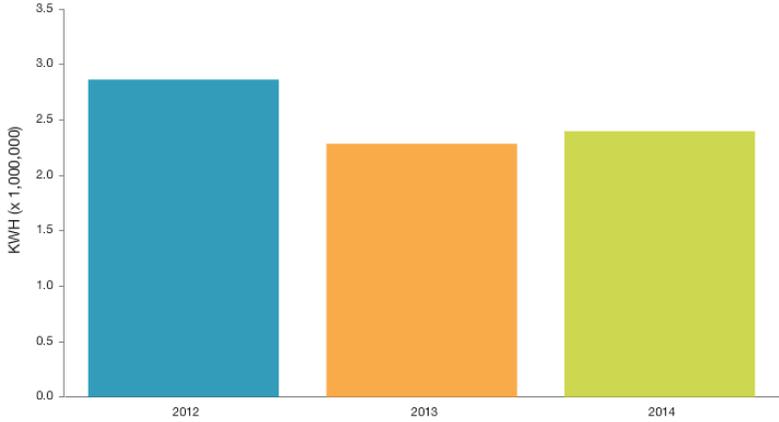
Sheriff's Complex Electric Cost per Month Profile 2013-2014 YTD



Sheriff Utility Use

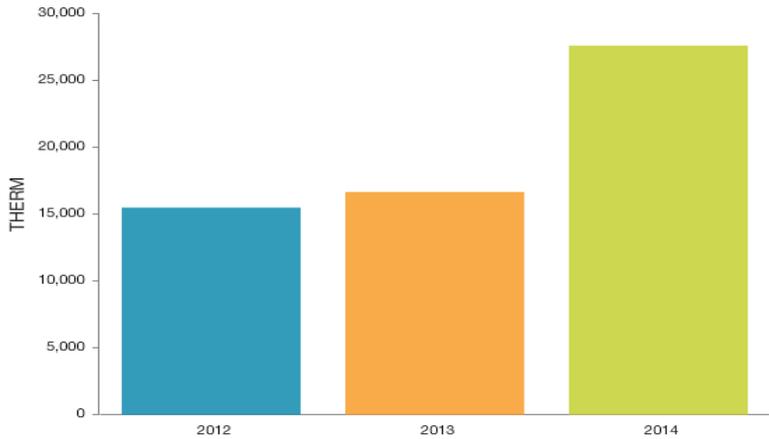
Location: Henderson County-> SHERIFF (Sheriff) **Commodity:** Electric **Electricity in KWH**
Time: 02/06/2015 5:18:19 PM

Total Use Summary



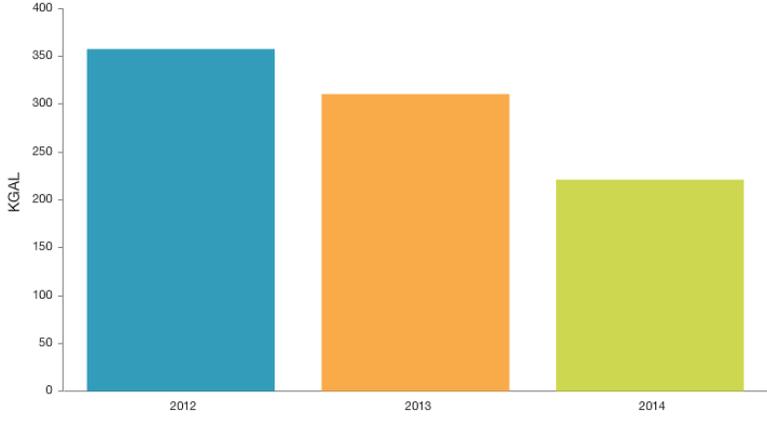
Location: Henderson County-> SHERIFF (Sheriff) **Commodity:** Natural Gas **Natural Gas in Therms**
Time: 02/06/2015 5:18:19 PM

Total Use Summary



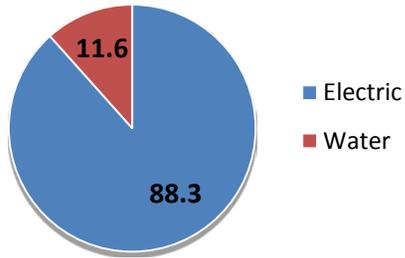
Location: Henderson County-> SHERIFF (Sheriff) **Commodity:** Water **Water in Thousands of Gal**
Time: 02/06/2015 5:18:19 PM

Total Use Summary



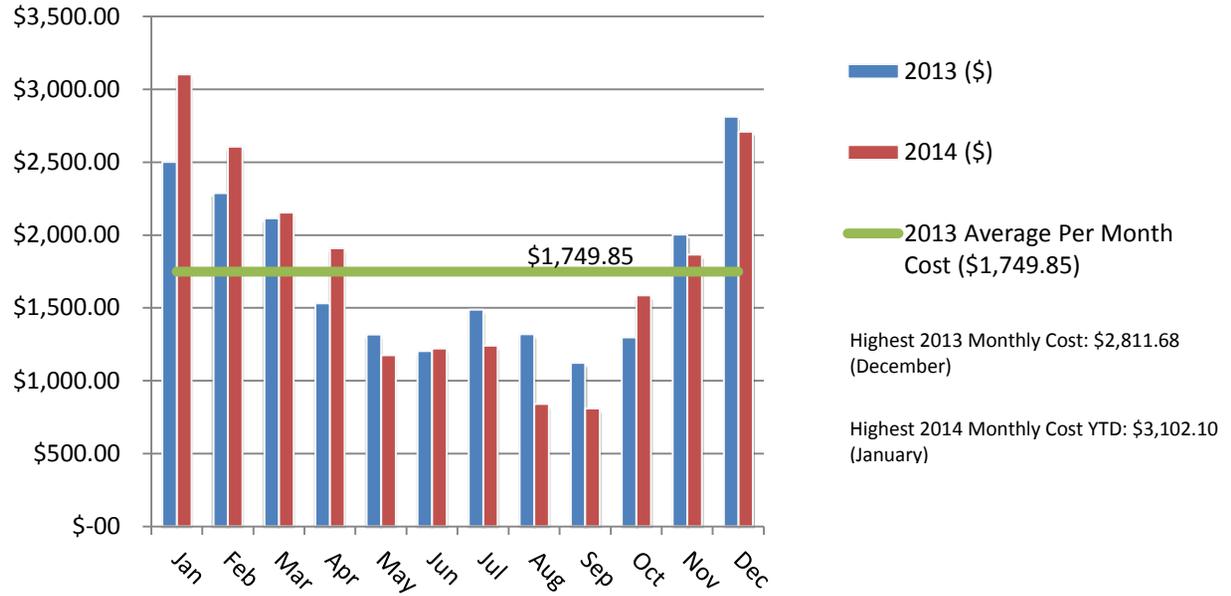
Solid Waste Utility Use

Total Cost % YTD*



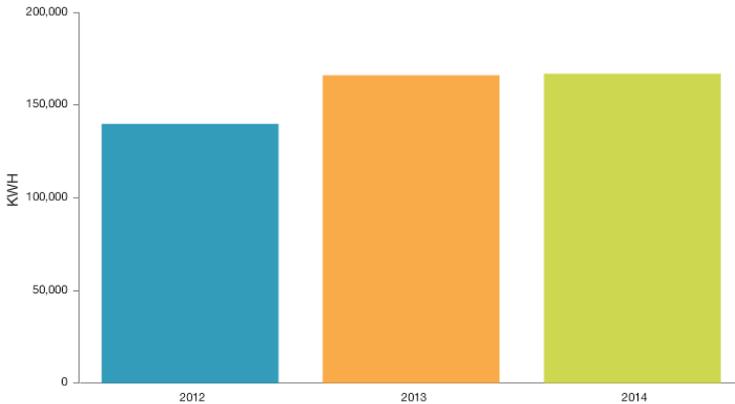
* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

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

