REQUEST FOR BOARD ACTION

HENDERSON COUNTY BOARD OF COMMISSIONERS

MEETING DATE:	Monday, April 4, 2016
SUBJECT:	Energy Management Update
PRESENTER:	Rachel Kipar, Environmental Programs Coordinator
ATTACHMENTS:	Yes, 1. Energy & Fuel 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/sewer. It compares the current FY 2nd quarter with the previous year to illustrate historical trends in commodity consumption. Supplementary cost analyses represent the monthly cost profile comparing 2014 and 2015 YTD for the highest-cost commodity at each facility. Selected fuel consumption information is also provided for the current FY 2nd quarter period.

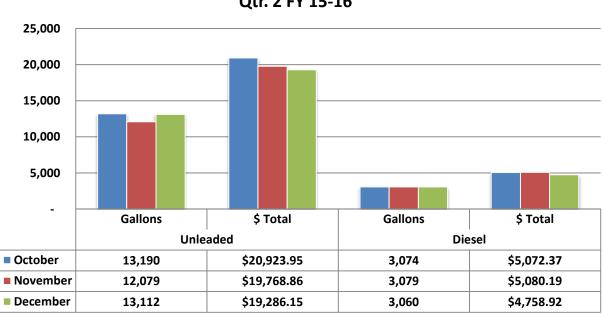
BOARD ACTION REQUESTED:

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

Suggested Motion: *No motion suggested.*

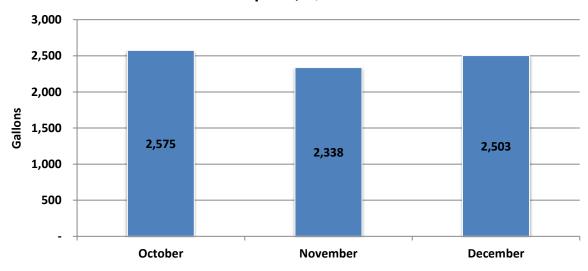
Energy and Fuel Management Data for Qtr. 2, FY15-16 October-December 2015 BOC Meeting: January 4, 2016

FUELS & FLEET INFORMATION

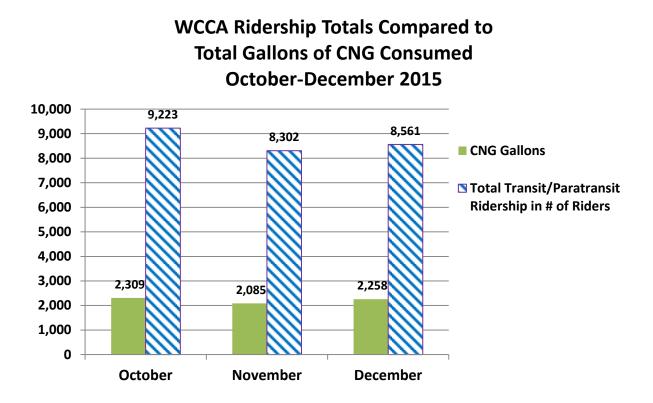


Henderson County Fleet Conventional Fuel Consumption Qtr. 2 FY 15-16

> Henderson County CNG Fleet Fuel Consumption, Qtr. 2 FY 15-16 *



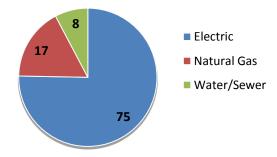
* Departments include: Building Inspections, Solid Waste, Utilities, WCCA Busses



UTILITY USAGE INFORMATION

*Environmental Programs is tracking: 46 City of Hendersonville Water/Sewer meters 110 Duke Energy meters 21 PSNC Natural Gas meters

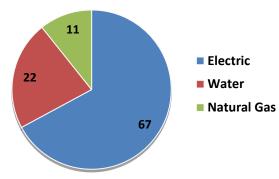
*Expense Breakdown of Henderson County Facilities in Total Costs YTD %

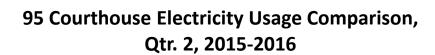


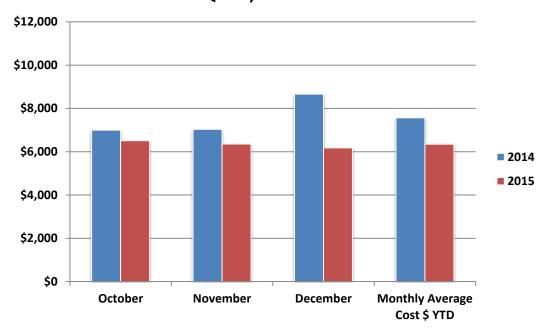
The graph above is a cumulative comparison by percentage of the total utility cost breakdown of the 177 tracked meters across all commodities (water, electricity, natural gas) at all Henderson County facilities, including parks. The graph represents the cost percentage of each commodity over the most recent 12 months, not including the current month or last month [data tracking program assumes data for these months may be incomplete based on varying billing cycles among the different utilities]).

1995 Courthouse Utility Use

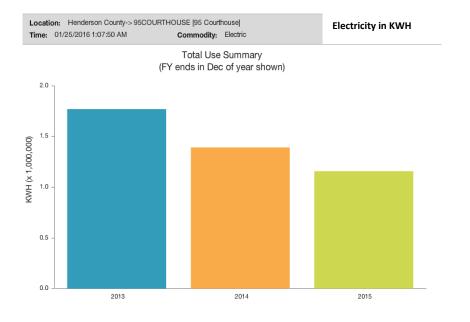
Total Cost % YTD*

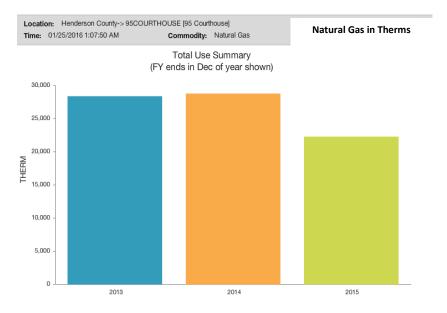


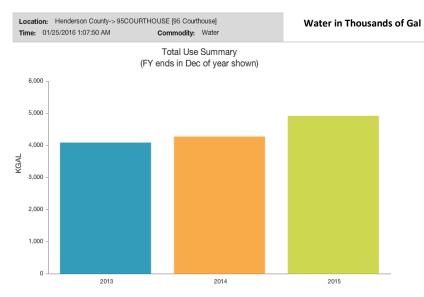




1995 Courthouse Utility Use



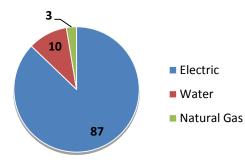


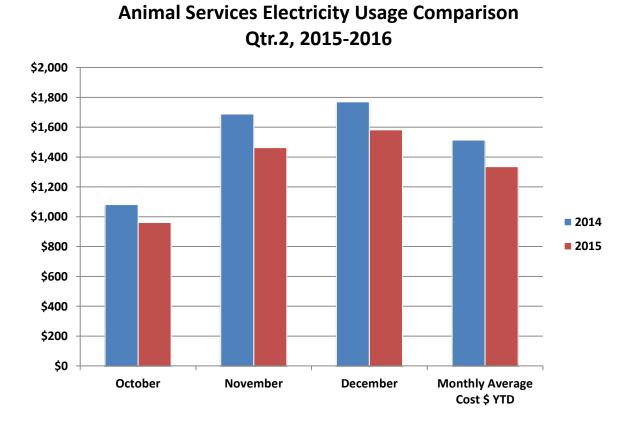


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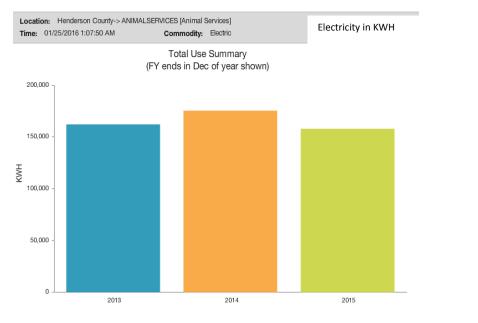
Animal Services Utility Use

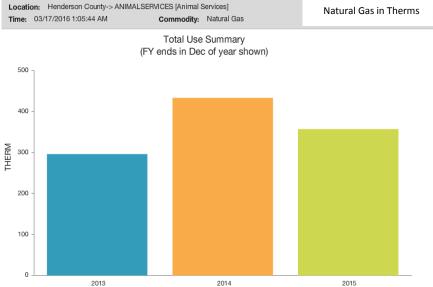
Total Cost % YTD



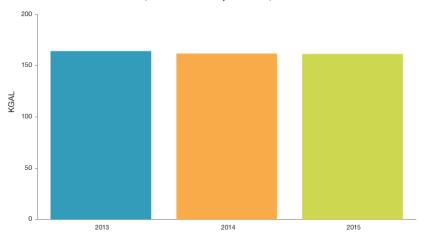


Animal Services Utility Use

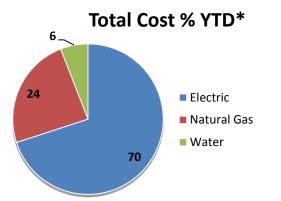




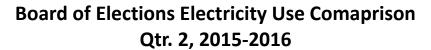
Location: Henderson County-> ANIMALSERVICES [Animal Services] Time: 01/25/2016 1:07:50 AM Commodity: Water		Water in Thousands of Gal
Total Use Summary (FY ends in Dec of year shown)		

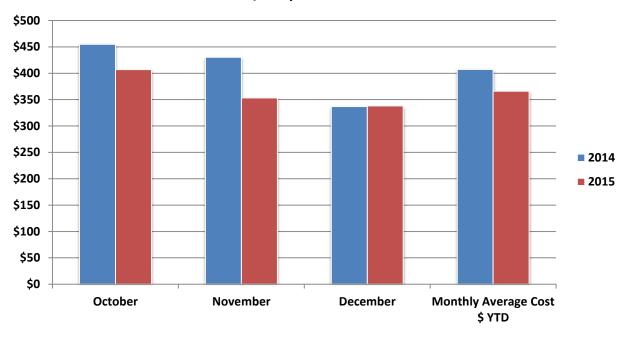


Board of Elections Utility Use



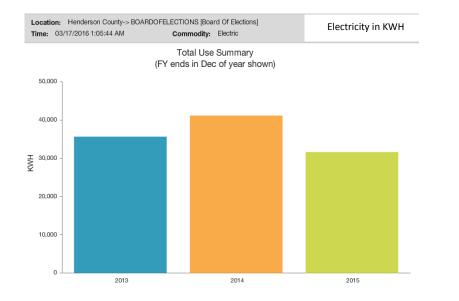
* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

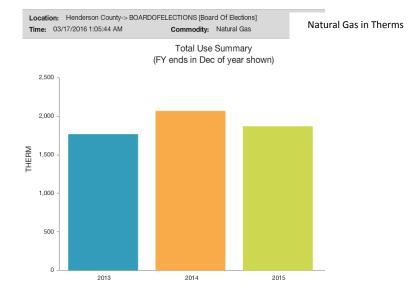




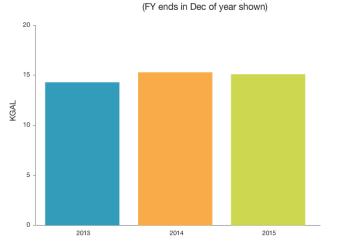
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Board of Elections Utility Use





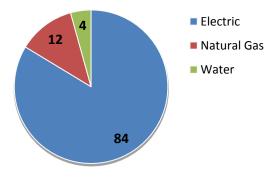
Location: Henderson County-> BOAP Time: 03/17/2016 1:05:44 AM	DOFELECTIONS [Board Of Elections] Commodity: Water	Water in Thousands of Gal
	Total Use Summary	



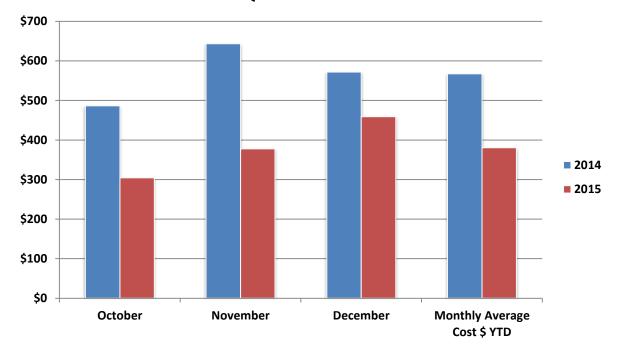
8

Central Services Utility Use

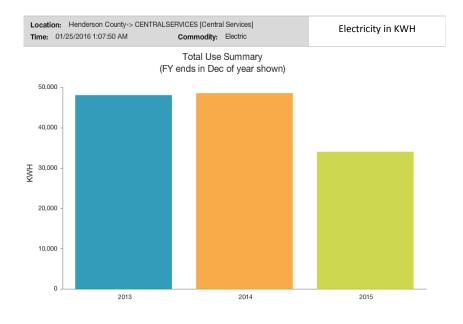
Total Cost % YTD*

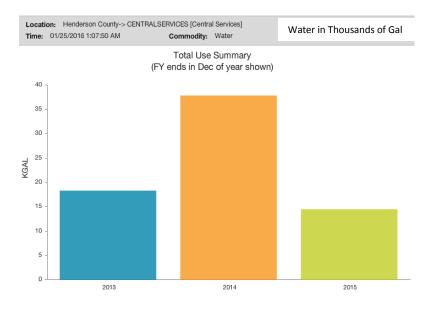


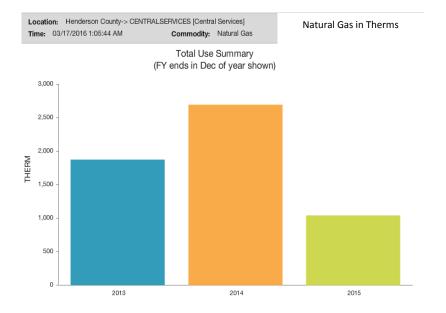
Central Services Electricity Use Comparison Qtr. 2 2015-2016



Central Services Utility Use

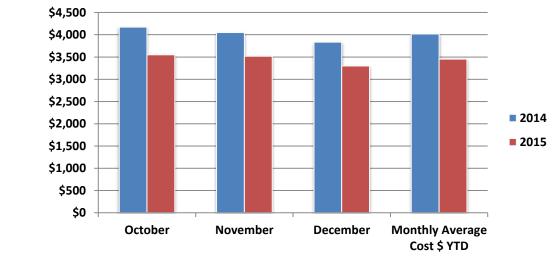




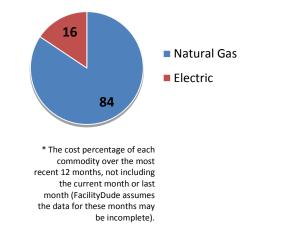


CNG Station Utility Use

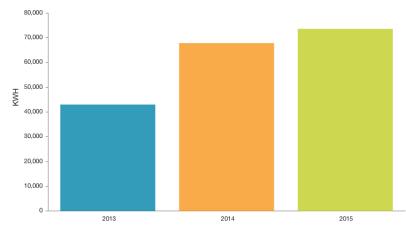
THERM



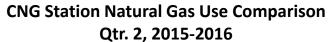
Total Cost % YTD

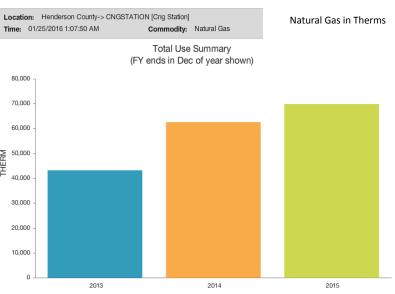






Electricity in KWH





Cooperative Extension Utility Use

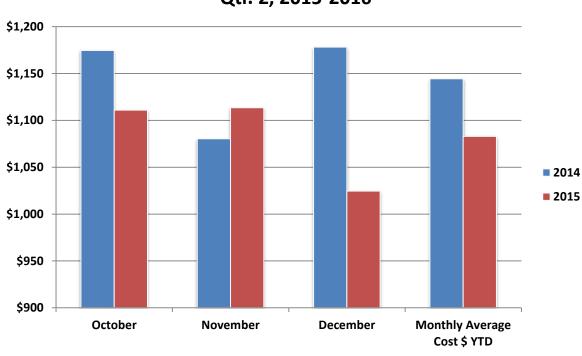
Total Cost % YTD



Cooperative Extension Electricity Use Comparison Qtr. 2, 2015-2016

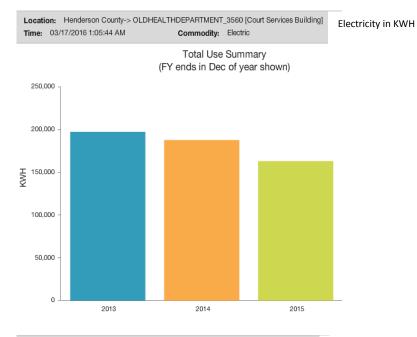
Court Services Utility Use

recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

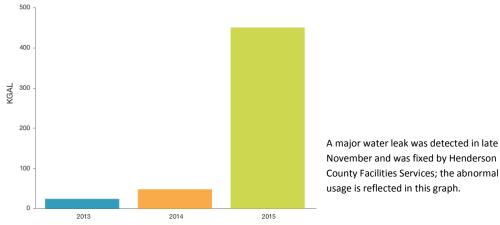


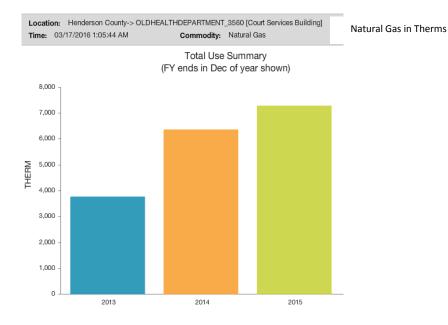
Court Services Electricity Use Comparison Qtr. 2, 2015-2016

Court Services Utility Use





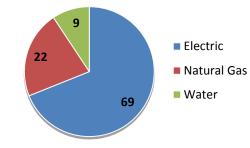


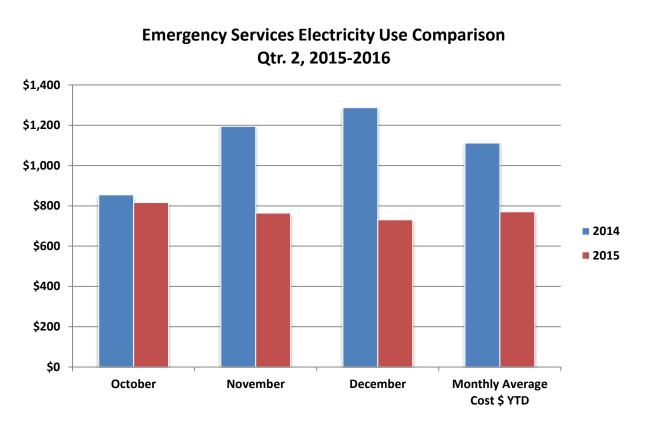


November and was fixed by Henderson County Facilities Services; the abnormal usage is reflected in this graph.

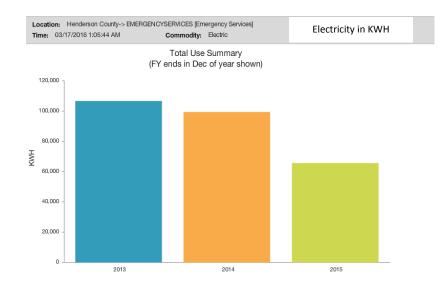
Emergency Services Utility Use

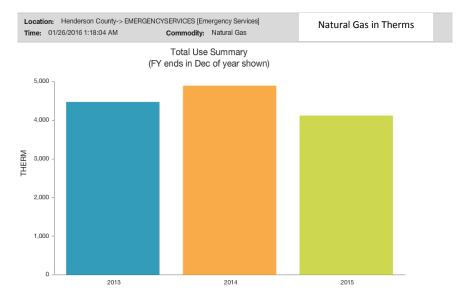
Total Cost % YTD*

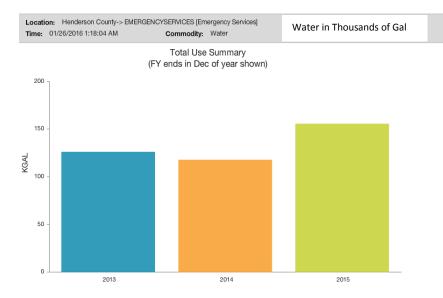






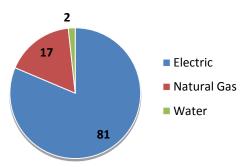


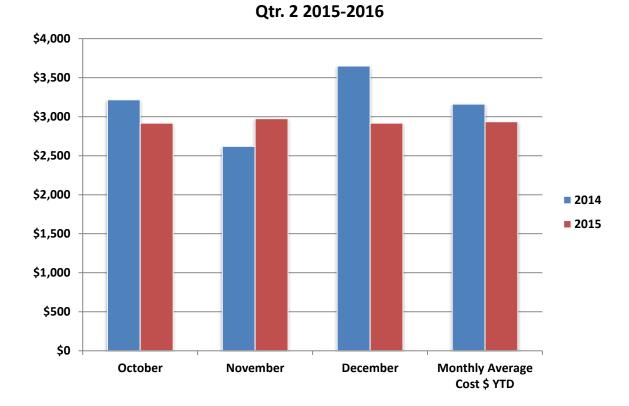




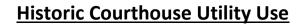
Historic Courthouse Utility Use

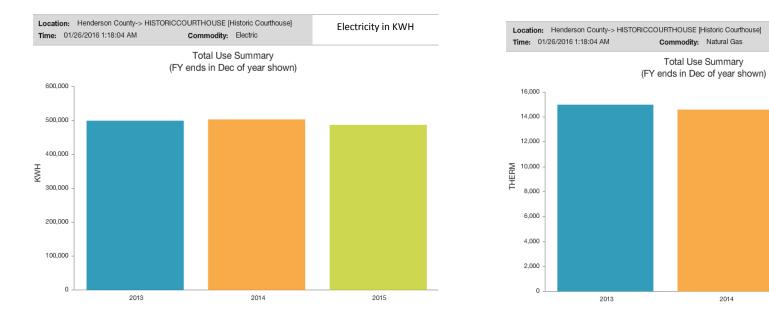
Total Cost % YTD*



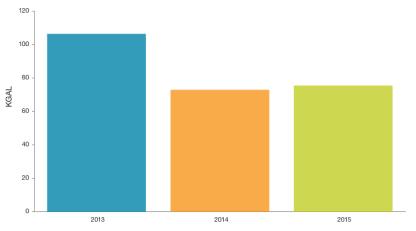


Historic Courthouse Electricity Use Comparison,





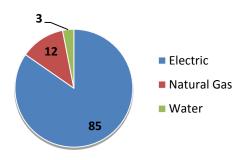
Location: Henderson County-> HIST Time: 01/26/2016 1:18:04 AM	DRICCOURTHOUSE [Historic Courthouse] Commodity: Water	Water in Thousands of Gal
Total Use Summary (FY ends in Dec of year shown)		



Natural Gas in Therms

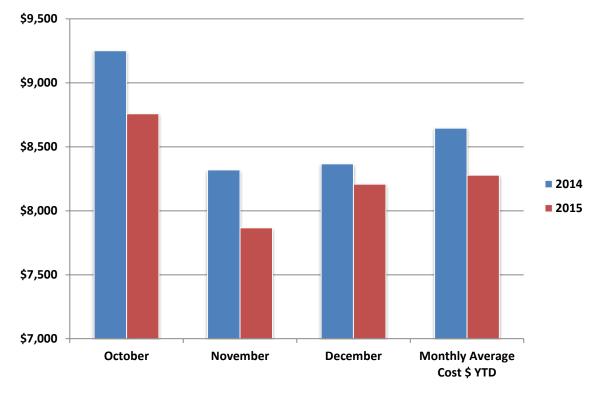
Human Services Utility Use

Total Cost % YTD*

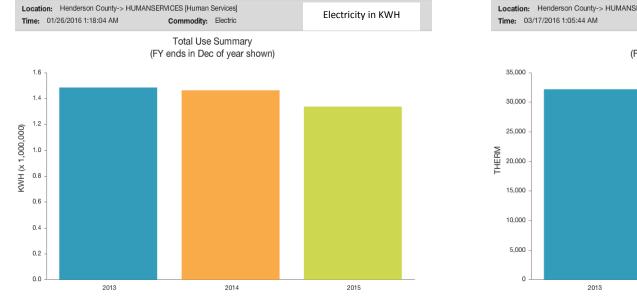


* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

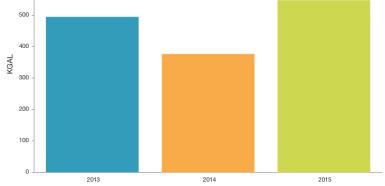
Human Services Electricity Use Comparison Qtr. 2, 2015-2016

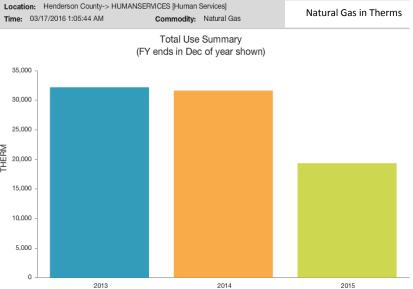




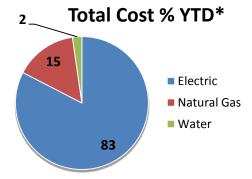




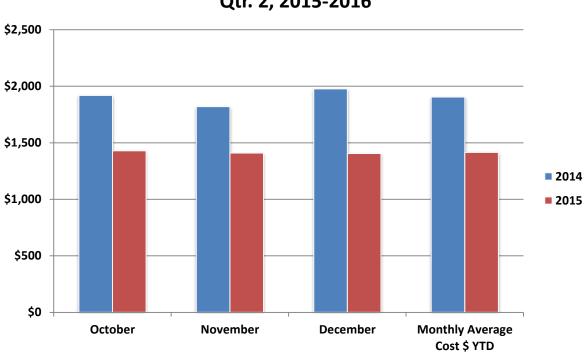




King Street Utility Use

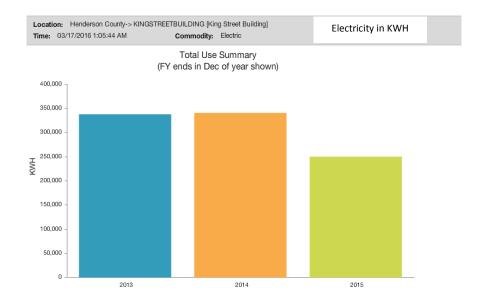


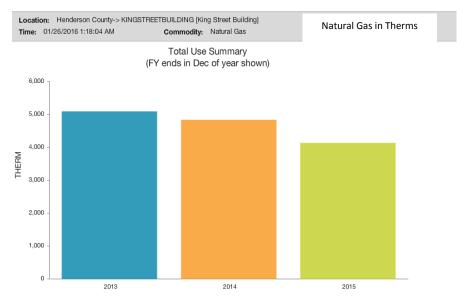
* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

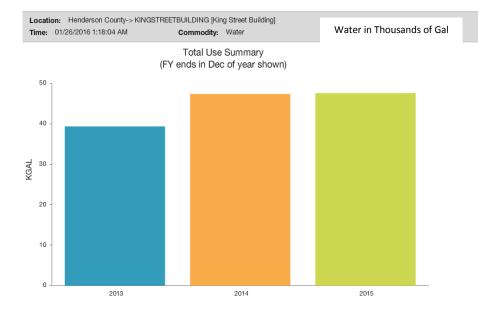


King Street Electricity Use Comparison Qtr. 2, 2015-2016

King Street Utility Use

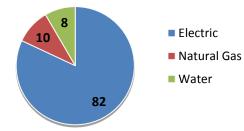


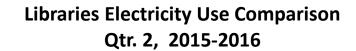


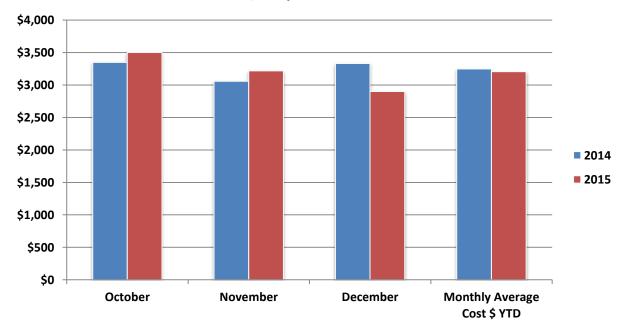


Library Utility Use

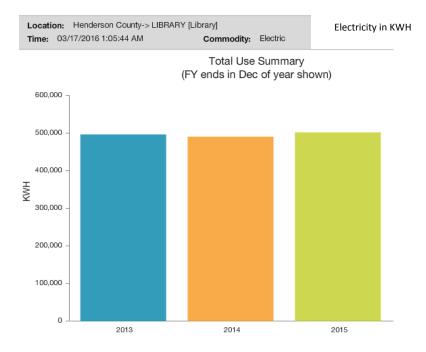
Total Cost % YTD*

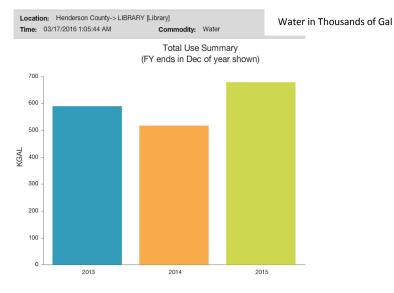


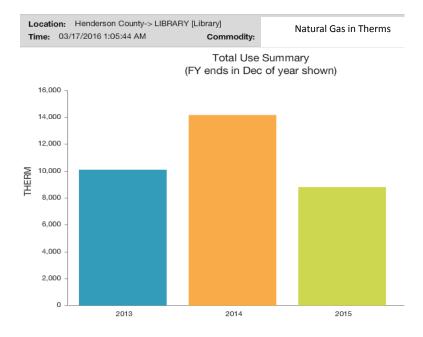




Library Utility Use

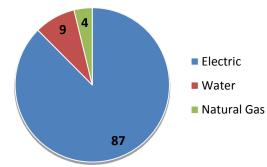


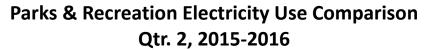


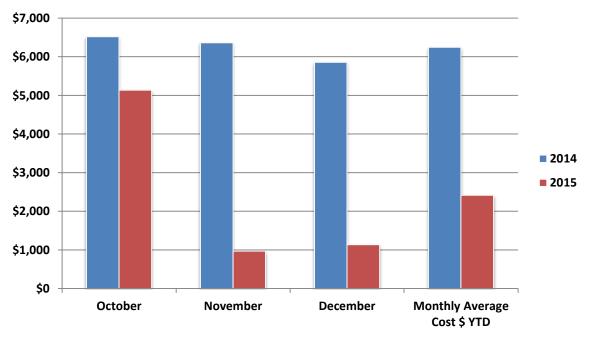


Parks and Recreation Utility Use

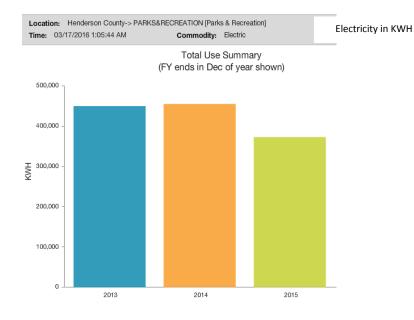
Total Cost % YTD*

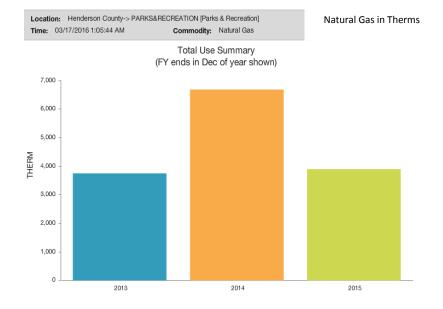






Parks and Recreation Utility Use

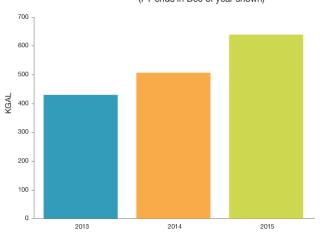




 Location:
 Henderson County-> PARKS&RECREATION [Parks & Recreation]

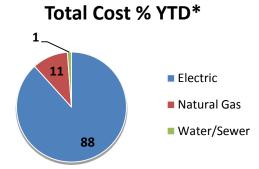
 Time:
 03/17/2016 1:05:44 AM
 Commodity:
 Water

Total Use Summary (FY ends in Dec of year shown)

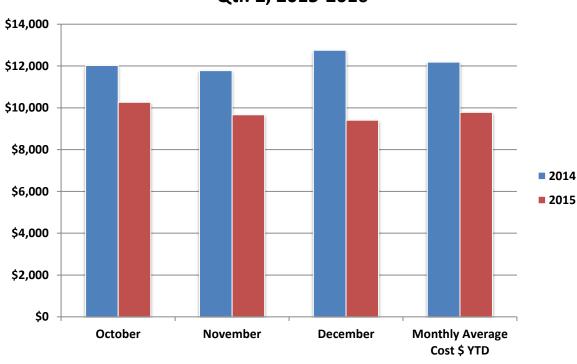


Water in Thousands of Gal

Sheriff's Complex Utility Use

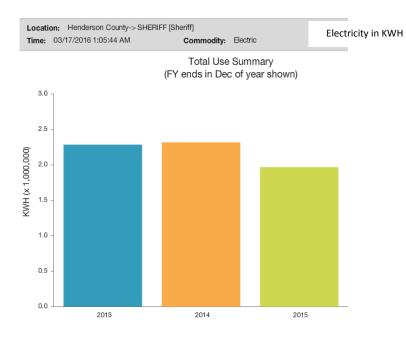


* The cost percentage of each commodity over the most recent 12 months, not including the current month or last month (FacilityDude assumes the data for these months may be incomplete).

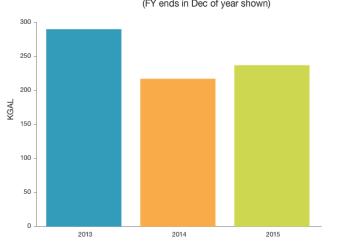


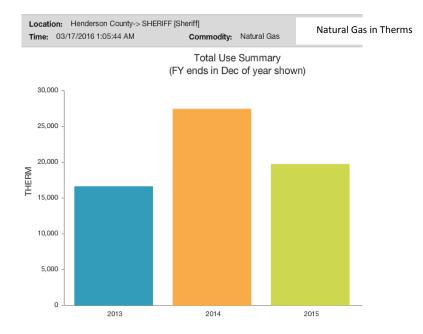
Sheriff's Complex Electricity Use Comparison Qtr. 2, 2015-2016

Sheriff's Complex Utility Use



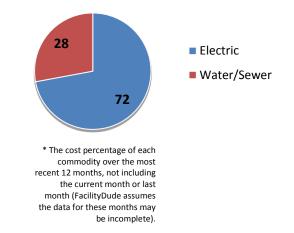
Location: Henderson County-> SHERI Time: 03/17/2016 1:05:44 AM	FF [Sheriff] Commodity: Water	Water in Thousands of Gal	
Total Use Summary			



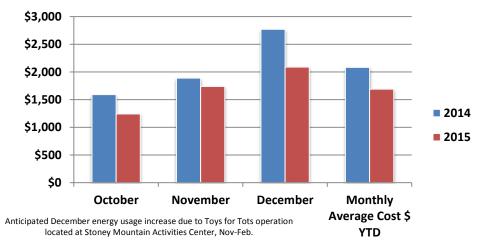


Solid Waste Utility Use

Total Cost % YTD*



Solid Waste Electricity Use Comparison Qtr. 2, 2015-2016



Location: Henderson County-> SOLIDWASTE [Solid Waste] Time: 03/17/2016 1:05:44 AM Commodity: Electric Total Use Summary (FY ends in Dec of year shown)

