

# EV Charging Program - 2016

Project Update

Case Number: 2015-00355



## Program Metric Snapshot

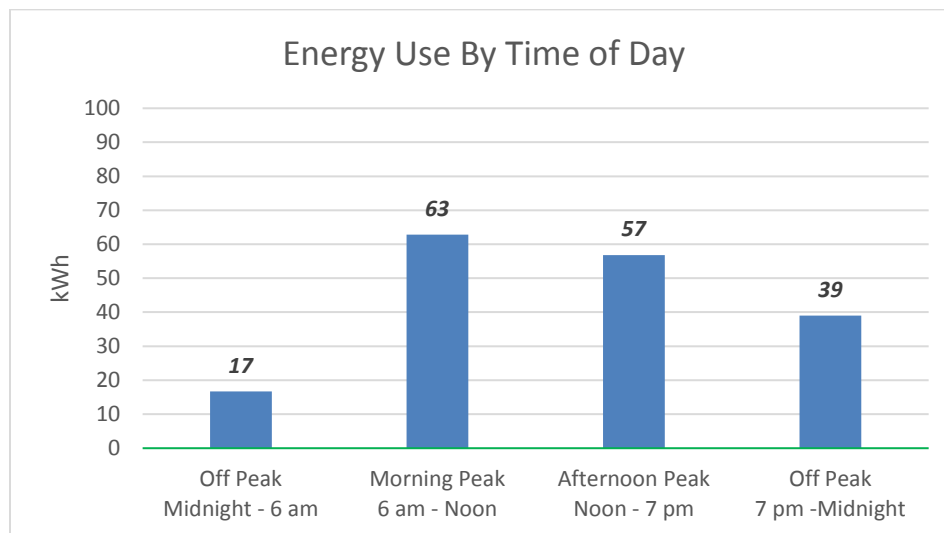
Louisville Gas and Electric Company (“LG&E”) and Kentucky Utilities Company (“KU”) completed installation of its first electric vehicle (“EV”) chargers under its EV charging program in September 2016. By the end of 2016, three charging stations were installed - one public Electric Vehicle Charging (“EVC”) station in each service territory, and one hosted Electric Vehicle Supply Equipment Rider (“EVSE-R”) station in LG&E territory. Much of the work in 2016 revolved around paving the way for installation on public property for the EVC stations. The Companies developed agreements with both Louisville/Jefferson County Metro Government, Lexington-Fayette Urban County Government, and their respective parking authorities to allow LG&E and KU to install stations in public parking lots and on public streets. Overall utilization was low in the first months of the program, but as the program expands, customer awareness increases, and more electric vehicles hit the road, usage is expected to increase.

Below are EV charging program metrics.

<b>LG&amp;E EVC Stations Deployed</b>	<b>Total # of LG&amp;E/KU EVC Charging Sessions</b>	<b>Average LG&amp;E/KU EVC Charging Session Length</b>
1 of 10	27	1 hr 38 min
<b>KU EVC Stations Deployed</b>	<b>LG&amp;E/KU Unique Drivers</b>	<b>LG&amp;E/KU EVC Utilization*</b>
1 of 10	15	5.4%

\*Utilization is calculated as a percentage of filed target usage of 4 hours per day, 7 days per week.

**Note:** The hosted EVSE-R station installed in LG&E service territory was in service for 90 days but did not receive any usage. Future reports will include usage data on EVSE and EVSE-R stations.



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## 2016 EVC Station Locations

KU – 1 Quality St, Lexington, KY 40507 (KU General Office Customer Parking Lot)

LG&E – 1100 Block E Washington St, Louisville, KY 40206 (Butchertown Neighborhood)

## LG&E and KU Combined Data Summary

### EVC Utilization

<i>Station</i>	<i>Days in Service</i>	<i>Total Hours of Usage</i>	<i>100% Hours Utilization*</i>	<i>Actual Utilization</i>
KUGO EVC	144	28	576	4.9%
LG&E Butchertown	47	13	188	6.9%
Total	191	41	764	5.4%

### Total EVC Sessions

<i>Station</i>	<i>Sessions</i>
KUGO EVC	16
LG&E Butchertown	11
Total	27

### Unique Drivers

<i>Station</i>	<i>Unique Drivers</i>
KUGO EVC	8
Butchertown	7
Total	15

### Average EVC Session Length (h:mm)

<i>Station</i>	<i>Length</i>
KUGO EVC	1:44
LG&E Butchertown	1:18
Total	1:38

### Energy Use By Time of Day (kWh)

<i>Station</i>	<i>(12a-6a)</i>	<i>(6a-12p)</i>	<i>(12p-7p)</i>	<i>(7p-12a)</i>
KUGO EVC	17	41	40	28
LG&E Butchertown	0	22	17	11
Total	17	63	57	39

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