

Kentucky Utilities Company and Louisville Gas and Electric Company
AMI Quarterly Implementation and Deployment Status Report
Case Nos. 2020-00349 & 2020-00350
January 31, 2023

Executive Summary:

In accordance with the Kentucky Public Service Commission’s Order of June 30, 2021, and subsequent order of December 6, 2021, in Case Nos. 2020-00349 and 2020-00350, Kentucky Utilities Company and Louisville Gas and Electric Company (“Companies”) submit the sixth quarterly progress report on the 2021 AMI plan. The quarterly report provides a status of the implementation and deployment of the project, adherence to budgets, adherence to timeliness, any significant change orders, number of AMI meters implemented, and the number of non-AMI meters removed and retired. This report covers the period from the June 30, 2021 order through December 31, 2022, except where otherwise noted.

The project is performing consistent with planned expenditures and is on schedule with the implementation timeline.

Financial

The project is performing consistent with planned expenditures.

Project Spend (\$000)			
	Project to Date Spend	Forecasted Total Project	Remaining Project Amount
CWIP	\$67,218	\$352,068	\$284,850
AMI Implementation Expenses	\$4,590	\$39,802 ¹	\$35,212

Schedule

Major activities:

- AMI network deployments are active in KU’s and LG&E’s service territories.
 - 31 of 180 gateways installed
 - 401 of 2,635 routers installed
- 112 customer account opt-outs. The 112 is approximately 0.3% of customers who have had the opportunity to opt out vs 0.8% that is included in the plan.
- Completed solution validation which validates meter deployment processes and system integration. Process and systems are performing as expected.
- Release 2 (Complex Billing) and 3 (Remote Service Switch) Business Process Designs (“BPD”) are in process.
- Initial meter deployment rate is below target due to longer than anticipated ramp-up to full installer staffing. Have temporarily overstaffed installers to bring back to target by Q2 2023. No impact to overall schedule Managing supply chain issues with meter manufacturer to minimize risks to deployment plan. No impacts to overall schedule are currently expected.

¹ The \$39,802 includes \$3M of expense currently included in base rates.

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Upcoming major activities:

- AMI meter deployment will intensify in 2023 with more than 500,000 meters upgraded and further build-out of the AMI network gateway and router installations.
- Key system initiatives will include the development of AMI Meter-to-Cash systems, which will handle complex billing meters, and the AMI Remote Service Switch system which will help to automate service reconnection and disconnection.

Significant Contract Change Orders

There have been no significant change orders to report during this period.

Meter Deployment

The Companies began major meter installation in September 2022.

Company	Number of AMI Meters/Modules Installed ²	Number of AMI Meters/Modules ⁴ Installed since 9/22	Number of Non-AMI Meters retired ³
LG&E- Electric	20,901	7,282	6,903
LG&E – Gas	5,681	5,429	-
KU	27,516	17,403	14,632
Total	54,098	30,114	21,535

² These include AMI meters installed for the Solar Share Program, DSM AMS Opt-In Program, and downtown network since program inception.

³ Electric meters removed for retirement in July 2021 through September 2022 in the meter asset management system.

⁴ Modules are installed on gas meters to enable remote meter reading AMI capabilities.