

**Kentucky Utilities Company and Louisville Gas and Electric Company
AMI Quarterly Implementation and Deployment Status Report
Case No. 2020-00349 & 2020-00350
October 31, 2022**

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 No. 2020-00349 and 2020-00350, Kentucky Utilities Company and Louisville Gas and Electric Company (“Companies”) submit the fifth 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 September 30, 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	\$41,352	\$352,068	\$310,716
AMI Implementation Expenses	\$3,553	\$39,802 ¹	\$36,249

Schedule

AMI meter deployments began in September 2022.

Major activities completed:

- Release 1 system functionality went live in September and enables the phased installation of about 1.3 million advanced meters which will continue until 2026. Release 1 set the foundation for installing and remotely reading AMI meters as installation progresses for customers.
- KU AMI meter installations are beginning in the city of Wilmore while LG&E installations are beginning in the Highlands area of Louisville.
- Standard operation procedures and monitoring tools for network communications, meter alerts, and data integration were developed.
- Customer communications for the meter upgrades were developed and implemented for use throughout deployment as well as for internal education and training.
- Launched AMI website where customers can learn more about the technology and check to see when installations will begin for them. <https://lge-ku.com/meter-upgrade/>

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.

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

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- 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

Executed a contract amendment with Landis+Gyr to align with current meter deployment plans. The amendments did not change financial commitments.

Meter Deployment

The Companies began major meter installation in September 2022. A minor number of additional AMI meters are also being installed primarily to support the Solar Share Program.

Company	Number of AMI Meters Installed ²	Number of AMI Meters Installed since 9/22	Number of Non-AMI Meters retired ³
LG&E	13,963	5	4,048
KU	12,309	193	7,677
Total	26,272	198	11,725

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.