

Kentucky Utilities Company and Louisville Gas and Electric Company
AMI Quarterly Implementation and Deployment Status Report
Case Nos. 2020-00349 & 2020-00350
April 30, 2024

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 eleventh 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 March 31, 2024, except where otherwise noted.

The project is performing consistent with planned expenditures and the overall timeline is on schedule, with full deployment still expected to be complete by December 31, 2025.

Financial

The project is performing consistent with planned expenditures.

Project Spend (\$000)			
	Project to Date Spend	Forecasted Total Project	Remaining Project Amount
CWIP	\$207,669	\$352,068	\$144,399
AMI Implementation Expenses	\$17,145	\$39,802 ¹	\$22,657

Schedule

Major activities:

- Installed over 745,000 AMI meters and modules.
- AMI network deployments are active in KU’s and LG&E’s service territories.
 - 164 of 173 gateways installed (95% complete)
 - 2,525 of 2,843 routers installed (89% complete)
- 2,105 customer account opt-outs. The 2,105 is approximately 0.28% of customers who have had the opportunity to opt out vs 0.8% that was estimated in the plan.
- Release 2 (Complex Billing) and 3 (Remote Service Switch) testing is in process and will continue into the second quarter of 2024.

Upcoming major activities:

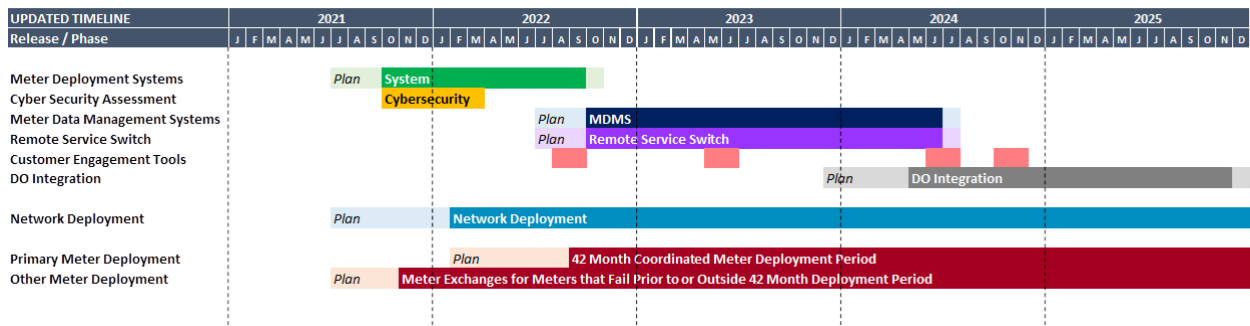
- Release 2 (Complex Billing) and 3 (Remote Service Switch) are planned to be implemented by the end of second quarter 2024.
- AMI meter deployment will continue through 2025.
- Continued build-out of the AMI network gateway and router installations through early 2025.
- Release 4 (Customer Engagement Tools) updated to reflect current plan.

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

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- Release 5 (Distribution Integration) planning continues in order to accomplish Conservation Voltage Reduction (CVR) and outage management improvements. Completion of Release 5 (Distribution Integration) has shifted into 2025. This shift is not expected to impact the overall AMI Program net present value of revenue requirements.
- Meter deployment ahead of original plan. Pulled forward to year-end 2025 from March 2026 and reflected in below timeline.

Project schedule: (Release schedules may shift within overall program timeline)



Significant Contract Change Orders

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

Meter Deployment

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	237,426	230,250	190,010
LG&E – Gas	160,590	160,590	-
KU	355,863	354,355	319,319
Total	753,879	745,195	509,329

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 March 2024 in the meter asset management system.

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