

**Kentucky Utilities Company and Louisville Gas and Electric Company
AMI Quarterly Implementation and Deployment Status Report
Case No. 2020-00349 & 2020-00350
April 28, 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 No. 2020-00349 and 2020-00350, Kentucky Utilities Company and Louisville Gas and Electric Company (“Companies”) submit the seventh 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, 2023, 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	\$92,189	\$352,068	\$259,879
AMI Implementation Expenses	\$6,191	\$39,802 ¹	\$33,611

Schedule

Major activities:

- Have installed over 132,000 AMI meters
- AMI network deployments are active in KU’s and LG&E’s service territories.
 - 37 of 180 gateways installed (21% complete)
 - 684 of 2,635 routers installed (26% complete)
- 559 customer account opt-outs. The 559 is approximately 0.5% of customers who have had the opportunity to opt out vs 0.8% that is included in the plan.
- Release 2 (Complex Billing) and 3 (Remote Service Switch) Business Process Designs (“BPD”) are complete and the Functional Designs (“FD”) are in process.
- Initial meter deployment rate is below target due to delays in installer staffing and multiple weather events. 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.
- Meter Operations Center (“MOC”) continues to review performance of meters and update processes related to reporting.

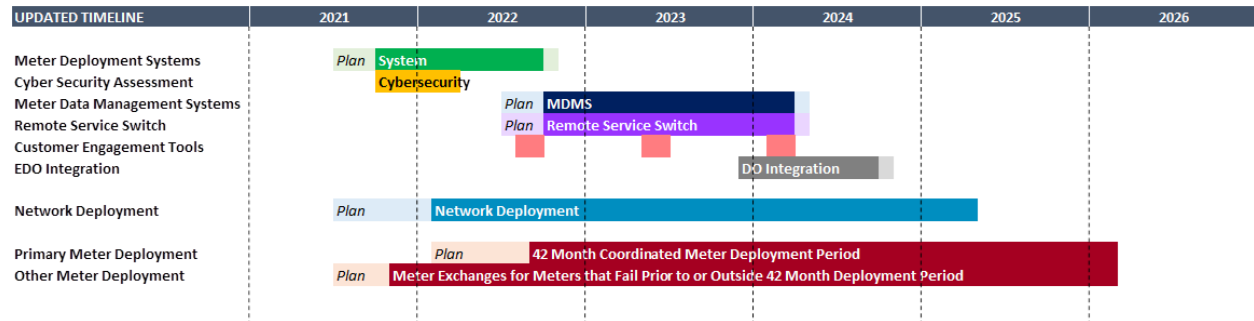
¹ The \$39,802 includes \$3M of expense currently included in base rates.

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Upcoming major activities:

- AMI meter deployment will continue to intensify in the last three quarters of 2023 with more than 400,000 meters upgraded and further build-out of the AMI network gateway and router installations.
- After completing Business Process Designs (BPD) the Company has determined that combining Release 2 (MDMS Complex Billing) and Release 3 (Remote Service Switch) is optimal to reduce overlapping commitments for shared project resources due to overlap across R2/R3 project releases, a joint stabilization period, synergies in BPD and Functional Design, and synergies in Tech Design and Build.
 - Release 2 (Complex Billing) was shifted from October 2023 to March 2024. Release 2 is being developed building on the completed Business Process Designs (BPD) and Functional Designs. The refined schedule based upon additional data from the BPDs and project experience does not affect overall schedule, costs, or benefits.
 - Release 3 (Remote Service Switch) was shifted from January 2024 to March 2024 to mitigate resourcing availability for testing and training, warmer seasonal temperatures in March, and less worry about freezing winter temperatures during initial go-live. Release 3 is being developed building on the completed Business Process Designs (BPD) and Functional Designs. The refined schedule based upon additional data from the BPDs and project experience does not affect overall schedule, costs, or benefits.

Updated project schedule:



Significant Contract Change Orders

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

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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	44,543	31,564	14,562
LG&E – Gas	20,956	20,956	-
KU	71,492	63,274	65,094
Total	132,303	115,794	79,656

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 2023 in the meter asset management system.

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