

**Kentucky Utilities Company and Louisville Gas and Electric Company  
AMI Quarterly Implementation and Deployment Status Report  
Case No. 2020-00349 & 2020-00350  
April 29, 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 third 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, 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	\$12,398	\$352,068	\$339,670
AMI Implementation Expenses	\$1,182	\$39,802 <sup>1</sup>	\$38,620

**Schedule**

The project is on schedule for meter deployment to begin in September 2022. Figure 1 below shows a revised schedule from the original submission (Figure 2). The major change was to align the Meter Data Management System (“MDMS”) enhancements with the remote service switch work. While this delays the start of the MDMS work by a few months, the change optimizes resources, is not expected to impact meeting regulatory commitments or the related timing of benefits, and has no adverse effect on total implementation costs. Delaying the MDMS work will affect AMI meter deployment to customers with advanced rates by 6 months (approximately 0.5% of the total electric meter population) but is not expected to extend the overall deployment timeframe.

The project tasks are well underway consistent with beginning meter deployments in September 2022.

Major activities completed:

- 35 additional AMI project members were brought on in April 2022.
- Stakeholder Engagement and Change Network Approach planning for Company employees completed.
- External Communications Strategy and Plan is complete, and work has turned to implementing the plan. See Appendix 1 for drafts of these communications.
- Cybersecurity Assessment completed. Mitigation strategies are being reviewed.

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

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- Meter Deployment executive committee established and meeting regularly to ensure effective deployment oversight.
- AMI Communications Network Progress
  - 300 routers delivered
  - 141 of 180 surveys to finalize location of network gateways are in-progress.
  - 76 of the 2,635 router location surveys are in-progress.
- AMI Meter Procurement Progress
  - First Article Meters<sup>2</sup> delivered to the Companies; these were subsequently tested and approved. Ship dates on delivery of meters confirmed with the L+G factory.
  - Approximately 2,800 Gas AMI modules were delivered in March 2022.
- Meter Deployment Systems Progress
  - All business process designs completed for the ten identified functional areas in this release.
  - All 33 functional designs completed
  - System integration testing has begun.

Figure 1 Updated Project Schedule

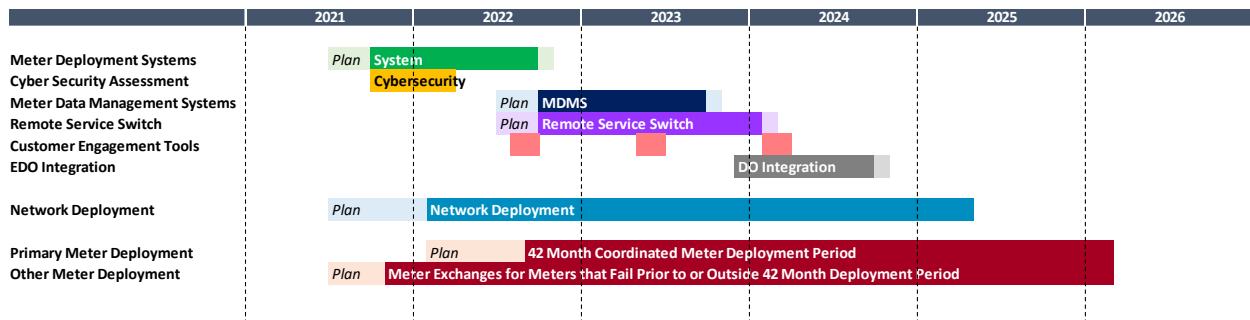
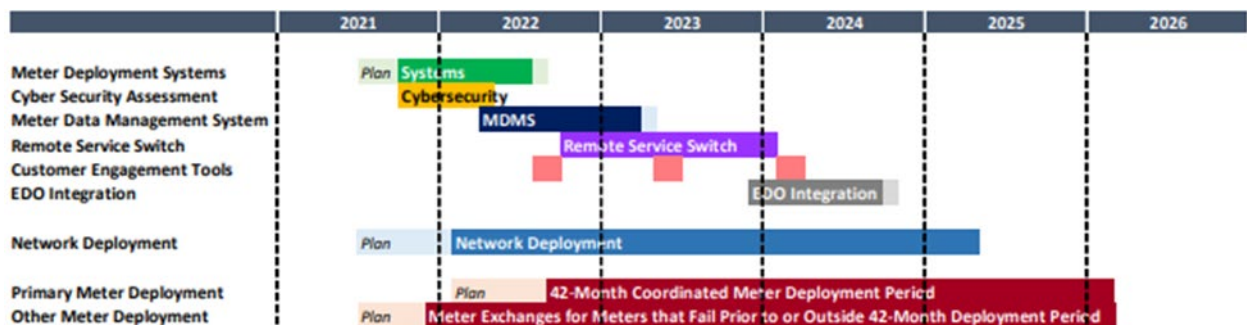


Figure 2 AMI\_AMR\_GO Project Schedule



<sup>2</sup> First Article Meters are a sample set of meters from the factory that contain all utility specific configurations. These are sent to validate that the meters align with utility requirements and expectations.

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**Significant Contract Change Orders**

No significant contractual change orders

**Meter Deployment**

The Companies will begin major meter installation in the 3<sup>rd</sup> quarter of 2022. A minor number of additional AMI meters are being installed primarily to support the Solar Share Program.

Company	Number of AMI Meters Installed <sup>3</sup>	Number of Non-AMI Meters retired <sup>4</sup>
LG&E	13,760	2,112
KU	12,265	4,598
Total	26,025	6,710

Note: The number of meters above will fluctuate from previous reports due to two primary reasons. The first is that Solar Share Program and the DSM Advanced Meter Program (AMP or Opt-In) participants move out of the Companies service territory. The second reason is that customers move in and out of the program and the numbers above represent a snapshot at the end of the reporting quarter.

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<sup>3</sup> These include AMI meters installed for the Solar Share Program, DSM AMS Opt-In Program, and downtown network since program inception.

<sup>4</sup> Electric meters removed for retirement in July 2021 through March 2022 in the meter asset management system.

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## Appendix 1

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Communication Sample 4 weeks prior to AMI installation

**Advanced Metering Infrastructure (AMI)**

Residential Phone:

LG&E: 800-331-7370 | KU: 800-981-0600

Business Phone:

LG&E: 800-331-7370 | KU: 800-383-5582



Address

<Insert Date>

**Meter replacement project**

Dear Valued Customer,

In the next several weeks, trained service technicians working on behalf of LG&E and KU will be in your area replacing meter(s) as part of a meter upgrade approved by the Kentucky Public Service Commission. New advanced meters help you manage your home's energy use and allow us to offer new tools and services.

During the meter exchange process:

- A technician from Utility Partners of America (UPA) will exchange your meter. They carry photo identification and will not need to come inside unless they cannot get to your meter.
- They will attempt to notify you upon arrival before they begin work. Installation should take 5 to 15 minutes for each meter. Sometimes a brief interruption of power may be needed.
- You do not need to be present if there is clear and safe access to your outside meter(s). If your meter access is restricted, please contact UPA at **800-914-4179** to schedule a meter exchange appointment.
- If you do not wish to receive an advanced meter, please visit [lge-ku.com/ami-opt-out](http://lge-ku.com/ami-opt-out) and fill out the contact form. We will contact you about the opt-out process and associated monthly fees you will incur.

Visit our website at [lge-ku.com/ami](http://lge-ku.com/ami) to learn more about the meter exchange process and the benefits of advanced meters.

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Communications Post Card Sample



**Your electric meter is being upgraded.**

**Trained service technicians will be in your area replacing meters as part of an Advanced Meter upgrade approved by the Kentucky Public Service Commission.**

Advanced Metering Infrastructure (AMI) incorporates two-way communicating advanced meters which support automated meter reading, faster connection of electric service, and provide information to help us reduce outages and respond more quickly when there is an outage.

**Learn more at [lge-ku.com/ami](http://lge-ku.com/ami)**

**LGE KU**  
PPL companies

**During the meter exchange process:**

- A technician from Utility Partners of America (UPA) will exchange your meter. They carry photo identification and will not need to come inside unless they can't get to your meter.
- Installation will take 5 to 15 minutes for each meter and they will attempt to notify you before they begin. Sometimes a brief interruption of power may be needed.
- You do not need to be present if there is clear and safe access to your outside meter(s). If your meter access is restricted, please contact UPA at 800-914-4179 to schedule a meter exchange appointment.

Advanced Metering Infrastructure (AMI)  
820 West Broadway  
Louisville, KY 40202

**Residential Phone:**  
LG&E: 800-331-7370 | KU: 800-981-0600

**Business Phone:**  
LG&E: 800-331-7370 | KU: 800-383-5582

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If you do not wish to receive an advanced meter, please visit [lge-ku.com/ami-opt-out](http://lge-ku.com/ami-opt-out) and fill out the contact form. We will contact you about the opt-out process and associated monthly fees you will incur.

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Samples of voice calls/text to those customers where we have an accurate phone number.

## 10-DAY NOTIFICATION

### Voice Call – LG&E

*Hello, this is L G and E calling with a reminder that service technicians will be in your area exchanging meters in the next ten days. This service is part of our AMI project and is at no additional cost to you. If you have questions or concerns, please give us a call at 800-331-7370 or visit us at [www.lge-ku.com/ami](http://www.lge-ku.com/ami)*

### Voice Call – KU residential

*Hello, this is K U calling with a reminder that service technicians will be in your area exchanging meters in the next ten days. This service is part of our AMI project and is at no additional cost to you. If you have questions or concerns, please give us a call at 800-981-0600 or visit us at [www.lge-ku.com/ami](http://www.lge-ku.com/ami)*

### Voice Call – KU business

*Hello, this is K U calling with a reminder that service technicians will be in your area exchanging meters in the next ten days. This service is part of our AMI project and is at no additional cost to you. If you have questions or concerns, please give us a call at 800-383-5581 or visit us at [www.lge-ku.com/ami](http://www.lge-ku.com/ami)*

### Text

*LG&E and KU: Reminder: Technicians will be in your area for the next 10 days exchanging meters as a part of our AMI project. Reply HELP for help.*