2020 AMI Annual Implementation Report

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Smart Grid Advisory Council

March 13, 2020

Purpose and Background

Purpose

- Review the draft AMI Annual Implementation Progress Report (AIPR) and Appendices
- Request written comments by 3/20/2020

Background

- **EIMA (PUA §16-108.6) requires the following of the AIPR:**

"**On April 1 of each year** beginning in 2013 **and after consultation with the Smart Grid Advisory Council** (SGAC), each participating utility shall **submit a report regarding the progress it has made toward completing implementation of its AMI Plan**. This report shall:

1) describe the AMI **investments made** during the prior 12 months and the AMI **investments planned** to be made in the following 12 months;

2) provide sufficient detail to determine **the utility's progress in meeting the metrics and milestones** identified by the utility in its AMI Plan; and

3) identify any **updates to the AMI Plan**."

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AIPR Outline

Chapter 1: Overview and Introduction

Chapter 2: AMI Operational Deployment
- Project Management Office (PMO)
- AMI Network and Meter Deployment
- Customer Experience
- AMI Information Technology and Business Transformation
- Change Management and Business Readiness

Chapter 3: Customer Applications
- Inform and Facilitate access to AMI data and related products, programs, and services
- Collaborate with and Enable the Smart Grid ecosystem
- Deliver customer applications made possible by AMI

Chapter 4: Customer Outreach/Education
- Customer Outreach and Education
- Customer Education and Awareness
- Customer Messaging Efforts
- AMI Deployment Communications

Chapter 5: Metrics and Milestones *(Including Attachments)*

Appendix A:
- Updated National Institute of Standards and Technology (NIST) Inoperability Standards
- Time of Use Rates
- Vulnerable Customers Progress
- Distributed Generation Mapping

Appendix B: Rider NAM Biannual Report

Appendix C&D: AMI Plan Revisions
- Update to 2019 AMI Deployment Schedule
- Update to 2019 Budget Information

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Chapter 2: AMI Operational Deployment

2019 Accomplishments	2020 Activities
• AMI Deployment complete on 6/30/19 with over 4.1M smart meters installed since 2009 • All 1,380 unable-to-complete (UTC) legacy meters were resolved by 6/30/19 via meter exchange, enrollment in Rider NAM (meter refusers), or service removal • Only 5,814 Rider NAM (Non-AMI Meters) as of 12/31/19 (an acceptable Project "end state") • YTD System Read Rate: 99.88% is best on record, 0.42% favorable to top quartile and 0.1% favorable to target. • Completed program ramp-down and delivered an organized transition to steady state operations.	• Regulatory reporting requirements only (AMI Operational Deployment is complete)

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Chapter 3: Customer Applications & Initiatives

2019 Accomplishments	2020 Activities
• More than 290,000 customers participated in Peak Time Savings events and collectively earned $4.6 million in bill credits • Hourly Pricing grew by 17% over the previous year (total of 34,000 participants) • Collaborated with 78 municipalities to install more than 21,000 smart LED streetlights and upgrade 8,400 LED lights with smart capabilities • Launched a community solar portal to help developers manage their subscriptions	• Begin enrollment into a Residential Time of Use Pricing Pilot (capped at 1,900 participants) • Begin enrollment into an Hourly Pricing Bill Protection Pilot • Offer Peak Time Savings participants the option to receive push notifications through the ComEd mobile app • Develop additional resources to support the growth of community solar • Year 3 of Smart Streetlights deployments

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Chapter 4: Customer Outreach & Education

2019 Accomplishments	2020 Activities
• Hosted 165 Smart Energy Hub field trips in Chicago and Rockford, welcoming a total of 4,567 visitors • Hosted 38 CARE financial assistance table events and presentations, resulting in 5,197 direct interactions • 445 informational meetings were held with customer groups • 37,485 customers enrolled in Peak Time Savings in 2019	• Focus on general education of smart meter-enabled energy-management tools and programs, including Peak Time Savings, usage alerts and emails, and outage notifications • Provide energy-savings tips and information about the ComEd Energy Efficiency Program and CARE financial assistance program • Continue energy management and smart technology education through Smart Energy Hub field trips

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Appendices

	Highlight
Appendix A	• Provides history of products and services developed to enable the provision of Time Of Use rates and other dynamic pricing options by RESs
Appendix B	• Summarizes the operation of Rider NAM (Non-AMI Meter) for the last six months of 2019 • The rate of refusal of AMI meters was low (~ 0.1% at project completion)
Appendix C&D	• Update to 2019 AMI Deployment Schedule to reflect actuals • Update to 2019 Budget Information to reflect actuals

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Timeline

3/13
- SGAC Meeting

3/27
- Finalize report and appendices

4/1
- File AIPR

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