



Advanced Metering Infrastructure (AMI) Program Update

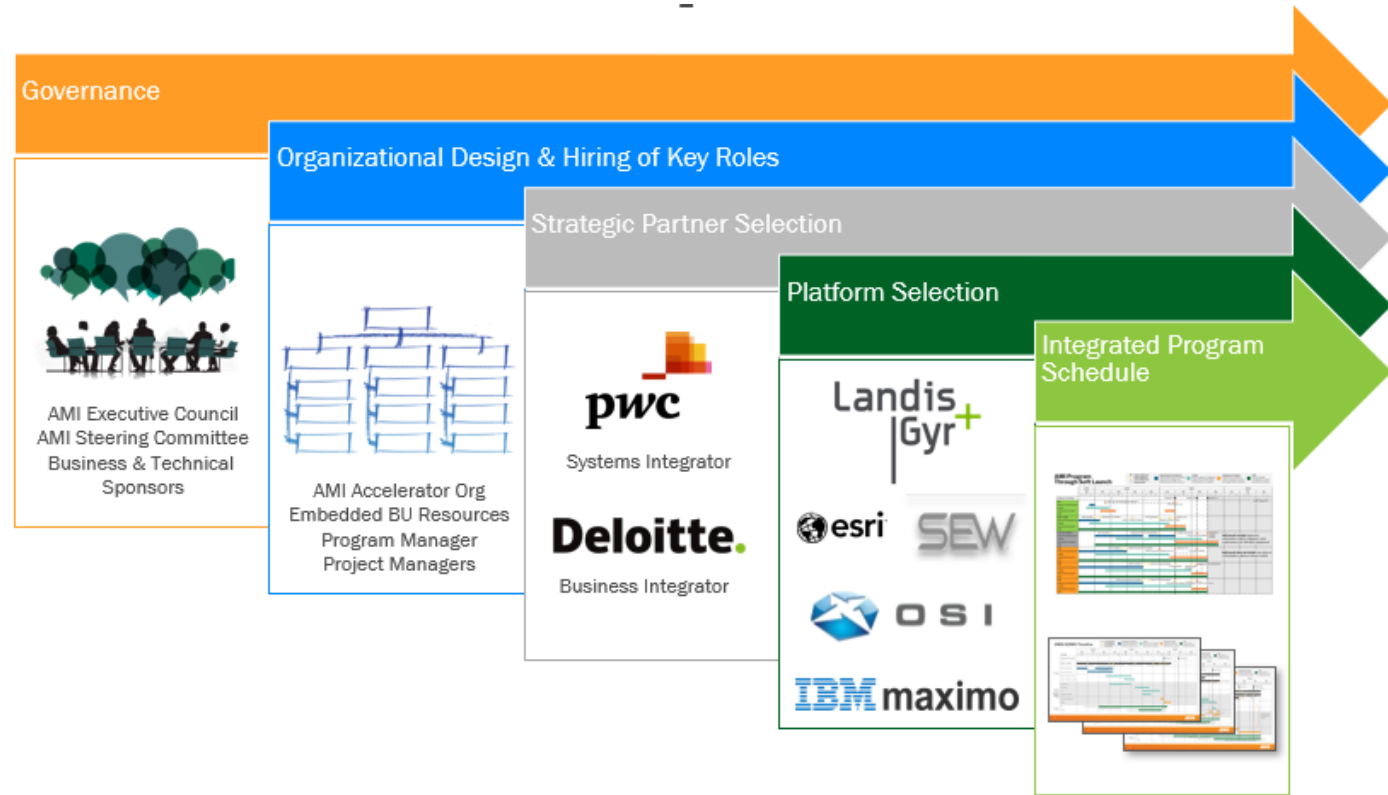
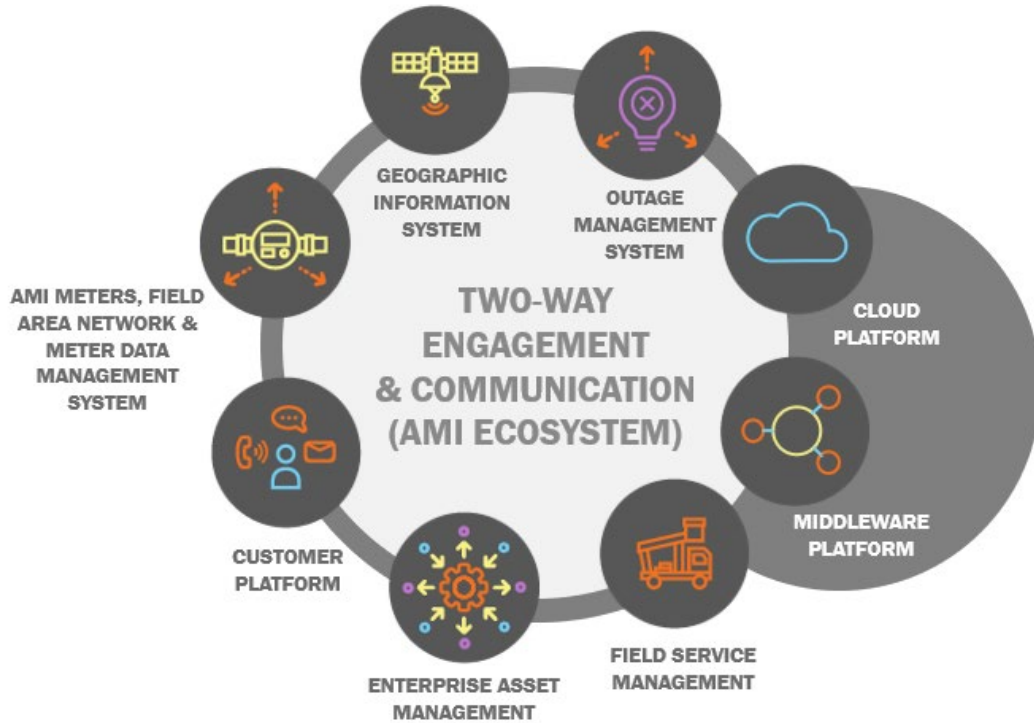
Aaron Smith, Director Distributed Device Strategy
All Committee Meeting
February 13, 2024



AGENDA

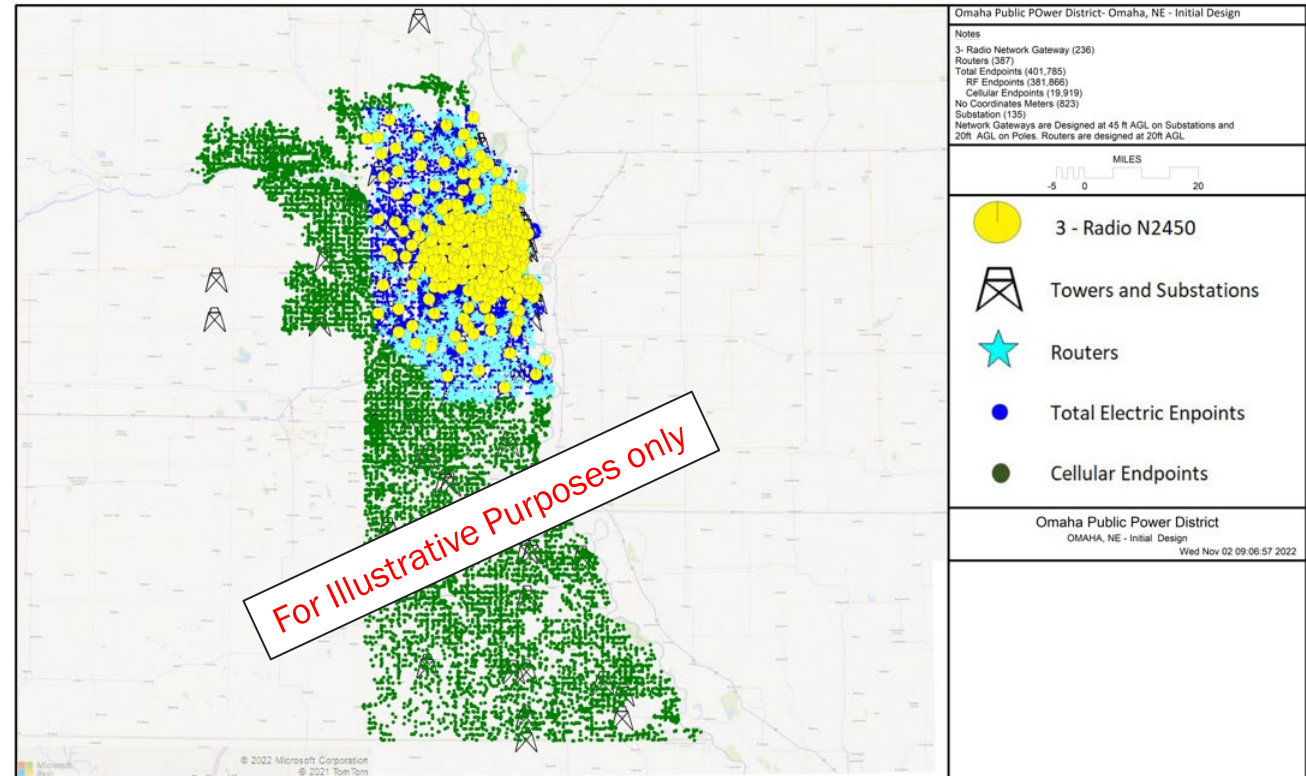
- AMI Transformation Overview
- Key Milestones and Progress
- Customer Platform Vendor Selection
- How AMI 2.0 Works / Key Features
- AMI 10k Meter Soft Launch Areas
- DOE GRIP Grant Update
- Q&A

AMI Transformation



Key Program Milestones & Progress

- Customer Platform vendor selected; contract negotiations underway.
- Pilot areas for AMI soft launch identified
- AMI Communication Network design underway for soft launch (Q2 2024 completion)
- Round one of business process design complete for Enterprise Asset Management and Field Service Management
- Concept paper for DOE Smart Grid Grant submitted January 12, 2024



Platform Selection Complete

	 esri [™]	 OSI	 SEW	 IBM maximo	 SEW	 Landis+Gyr manage energy better
	Geographic Information System	Outage Management System	Field Service Management	Enterprise Asset Management	Customer Platform	AMI Meters & MDMS
Vendor	ESRI	OSI	SEW	Maximo	SEW	Landis & Gyr
Initial Deployment	2024	2025	2025	2025	2025	2025--2028
						

Customer Platform Highlights

- Update and manage account information
- View and manage billing
- Start, stop and move services
- Modern outage map with outage and streetlight reporting
- Notifications and channel preferences
- Detailed usage information
- Payment programs enrollment
- Enhanced security features



Landis & Gyr Gridstream[®] and Revelo[®] Meters



Supports grid and consumer-side apps to optimize management of grid and improve consumer engagement



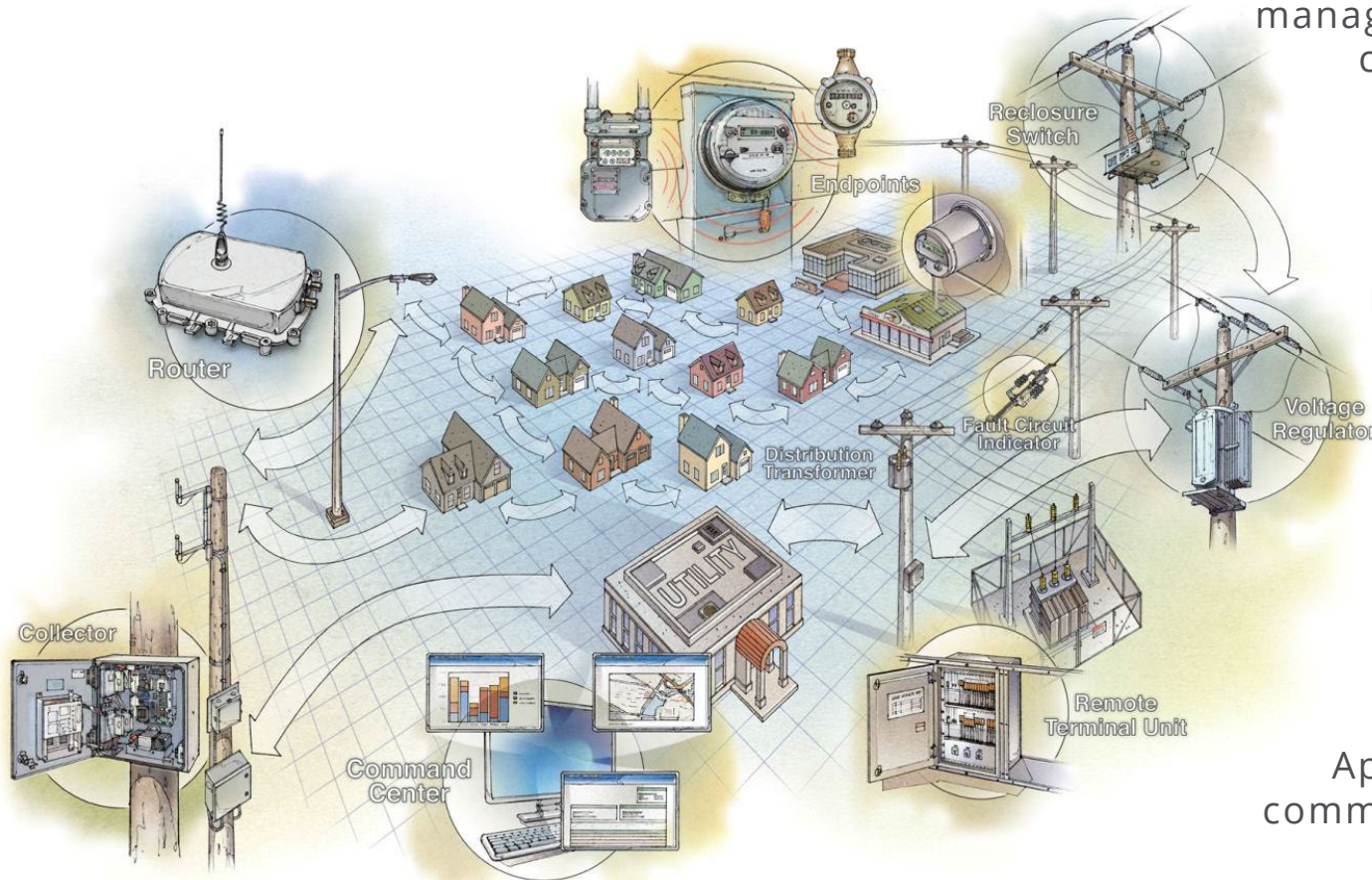
High-powered computing enables unparalleled edge intelligence and analytics



Grid metering capability, including high-resolution waveform data to support DER integration at the edge



App development platform and community of partners for ecosystem of edge apps to address new use cases



Desired Soft Launch Area Criteria



Urban



Suburban



Rural



Avoid Complex / Totalized Billing



Move In/Out



Seasonal Turn ON/OFF



Overhead Powerlines / Mature Trees / PQ



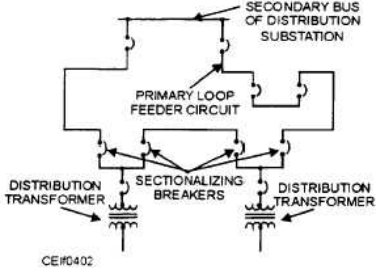
DER / Solar Penetration



EV Penetration



Disadvantaged Communities Investment



Downtown Secondary Network

DOE Grid Resiliency & Innovation Partnerships (GRIP) Grant Opportunity

- OPPD submitted a concept paper for our *Next Gen Customer Grid* to enable advanced functionality beyond Soft Launch / MVP including:
 - Full rollout of the remaining ~390k AMI 2.0 meters (2026-2028).
 - Advanced Distribution Management System (ADMS)
 - Enterprise Distributed Energy Resource Management System (DERMS)
 - Grid monitoring and control devices
- OPPD has submitted a request of \$50M for the Smart Grid topic area of the DOE grant, with OPPD responsible for an additional ~\$90M
- Full application is due May 22, 2024
- Expected selection decision Fall 2024



As part of the Bipartisan Infrastructure Law, the Grid Deployment Office is administering a \$10.5 billion Grid Resilience and Innovation Partnerships (GRIP) Program to enhance grid flexibility and improve the resilience of the power system.



- Design and execution work continues across all six major platforms
- The team is working on the full DOE grant application due in May
- The next quarterly update will be presented at the May All-Committees meeting

