

Utility directors' meeting

Loveland Service Center
Friday, Nov. 17, 2023, 10 a.m.

Agenda

- Estes Park technical discussions Reuben Bergsten
 - VPP development, dynamic pricing and centralized data management for AI/ML algorithms
- Fort Collins technical discussions Kendall Minor
 - None
- Longmont technical discussions Darrell Hahn
 - Substation battery discussion
 - Mutual aid among owner communities – review of IGA, is it still in place, etc.
 - Next steps on study of centralized backup facility
- Loveland technical discussions Kevin Gertig
 - Loveland AMI update
 - DERMS – ready for next steps
 - Battery storage – ready to plan for sub(s)
 - On call center – current scope of work for each city on contracted services
 - Develop RFP for Platte River?
 - Update on H production, NH4, other fuel ideas from site visits
- Platte River technical discussions
 - Distributech International conference; Feb. 26-29, 2024 www.distributech.com Raj
 - Community engagement update Eddie
 - DER alignment and coordination table update Raj

DER alignment and coordination

	<u>AMI</u>	<u>MDMS</u>	<u>CIS</u>	<u>ADMS</u>	<u>Smart Grid</u>
Loveland	Mass Deployment Meter exchange vendor RFP issued 9/14/2023. Currently, 5,000+ meters installed	Production system is in final testing. Go-Live date TBD.	Complete	Currently assessing OMS requirements	Will be addressed in future Electric Utility Master Plan. Kickoff meeting with Engineering Consultant occurred on 8/31/2023.
Longmont	Phase 1: complete; ~700 installed Phase 2: Sept-Dec. '23 5,000 forecasted Phase 3: Jan-Dec. '24 4,000/month	MDM "Lite": In place - Store 15-minute interval data for all newly-deployed AMI meters Full MDM go-live anticipated Q2 2025	Currently in contract negotiations (on-going) Full CIS go-live anticipated Q2 2025	Part of overall utility "IT/OT Roadmap" to prioritize and sequence all initiatives, including GIS / Utility Network, OMS, SCADA upgrades, DERMS, CIS, MDMS, EAM (Asset Management), etc.	First "Smart Grid Roadmap" draft received week of 9/11/2023. Under review.

Fort Collins	Complete ¹	Q4 2023 ²	Final negotiations	Road mapping	RFP
Estes Park	~99% electric complete, ~11,000 meters ³ ;	We are planning to use PRPA's platform.	We must replace ours. We'd like to join the PRPA platform	We are planning to use PRPA's platform	Custom, not sustainable. ⁴

¹ Desired information

² Desired information

³ We have time-of-use net meters that are not AMI. About 50% of our water meters have been switch to AMI. Can we standardize on one AMI platform with the other three cities?

⁴ AMI feeds into our GIS to display transformer loading, power quality, outage management; AMI feeds into smart grid for automated text/email outage notification. The data communication interface for these functions is custom and costly to maintain.