



Smart Electric  
Power Alliance



# Utility Collaboration Forum (UCF) Meeting

May 6, 2025

# Today's Agenda

Topic:	Time:
<b>Welcome and Expectations</b>	1:00 PM – 1:15 PM PT
<b>How Utilities are Considering Valuing VGI Services from SCE, PGN, SRP, SMUD and Evergy</b>	1:15 PM – 1:40 PM PT
<b>Small Group Breakout Sessions</b>	1:40 PM – 2:20 PM PT
<b>Summary and Next Steps</b>	2:20 PM – 2:30 PM PT

# VGIC - SEPA Team



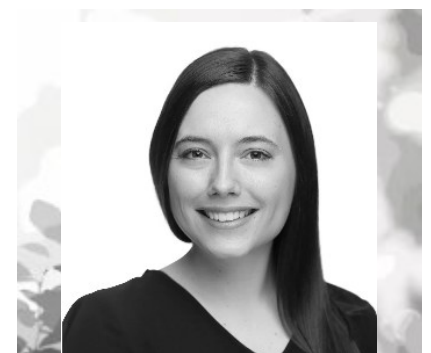
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# Participating Utilities

- Investor-Owned Utilities
  - Con Edison
  - Pacific Gas & Electric
  - Puget Sound Energy
  - Southern California Edison
- VGIC Associate Members
  - Clean Power Alliance
  - Holy Cross Energy
  - Los Angeles Department of Water and Power
  - Sacramento Municipal Utility District

# VGIC MEMBERS / 2025

## LEADERSHIP CIRCLE



**HONDA**

**NISSAN**  
GROUP OF NORTH AMERICA

## GENERAL MEMBERS



BORGWARNER



emporía



GRAVITY

Gridwiz



SUNRUN

TESLA



**TOYOTA**



## ASSOCIATE MEMBERS



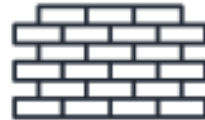
# UCF Expectations

# Overarching UCF Objectives



## MEET VGI LEADERS

Access a collaborative network of industry leaders to stay at the forefront of VGI innovation and drive the future of grid integration.



## BREAK DOWN BARRIERS

Share insights, learn best practices, and collectively navigate the complexities of VGI implementation together.



## SHAPE THE CONVERSATION

Develop shared definitions, goals, and frameworks to support emergent regulation for VGI.



# Overarching UCF Expectations

- **Chatham House Rule:** Participants are free to use the information received, but neither the identity nor the affiliation of the speaker(s) may be revealed. We will not quote organizations or individuals unless there is explicit consent for sharing a public quote, statement, or material.
- **Constructive Feedback:** Provide feedback that is constructive and solution-focused. Critique ideas, not individuals.
- **Confidentiality:** Respect the confidentiality of sensitive information shared during the meeting.
- *Others?*



# Recap of 2024 Efforts

- Through a series of working sessions, VGIC Utility Collaboration Forum's finalized *Best Practices for Vehicle-Grid Integration Program and Pilot Development*, which addresses:
  - VGI Vision
  - Pilot and Program Design
  - Customer Engagement and Retention
  - V2X Bidirectional Charging Interconnection
  - Vehicle Telematics and Embedded EVSE Submetering
- SEPA worked with utilities to develop *Preparing for Vehicle-to-Grid Integration and Interconnection: Early Learnings and Approaches from Utilities*, which addresses:
  - Initial Steps for Preparing for V2X Interconnection
  - Learnings from Utility Demonstration Projects and Small-Scale Pilots
  - Future Steps: Compensation Mechanisms, Interoperability, and Cybersecurity

# UCF Meeting Format

- Facilitated plenary UCF sessions will be held at least four times in 2025 and will include:
  - **UCF Participants:** Con Edison, PG&E, Puget Sound Energy, SCE, additional participants pending
  - **VGIC Members:** SMUD, LADWP, Clean Power Alliance, Holy Cross Energy, 9 Auto OEMs, and ~20 EV service providers and EVSE OEMs
  - As needed, **guest subject matter experts**
- Additional deep dive sessions will be held with specific cross-sections of UCF participants, VGIC members, and, as needed, guest subject matter experts
  - Deep dive sessions provide flexibility to address issues demanding more time and dedicated attention
  - E.g., submetering and telematics, cybersecurity, technical standards and interoperability are technically complex issues but may not appeal to all participants
- Meeting discussions critically inform all deliverable development

# 2025 Scope

# VGI Topic Ranking – UCF Utility Survey

- VGI topics “**most beneficial to exploring for your organization**”
  1. Managed charging and V2X program/pilot value
  2. Submetering and vehicle telematics
  3. Technical standards and interoperability
  4. VGI planning, forecasting, and modeling
  5. Bidirectional charger and DER-paired charger interconnection

# Shifts in Industry: 2024 to 2025

- In response to: “If you participated in the UCF in 2024, please comment on what **the biggest shifts in the industry have been since we concluded last year that you would like to discuss and address in this year's forum**”
  - “Thinking beyond bulk-system peak shaving to managed charging for distribution system optimization”
  - “Introduction of new vehicle models may be delayed due to supply chain issues and the costs of premium products (V2G/V2H capable) expected to increase”
  - “More direct OEM integrations with aggregators like ChargeScape and WeaveGrid.”
  - “Still limited grid-parallel V2X vehicles/chargers on the market with some only capable of backup power (e.g., GM)”
  - “Auto OEMs seemingly seriously looking at supporting AC V2G”



# How Utilities are Considering Valuing VGI Services

Speakers: SCE, PGN, SMUD, SRP, and Evergy





# Small Group Breakout Sessions



# Breakout Instructions

- Break out into 6 groups which will be lead by Garrett, Zach, Brittany, Grace, Elise, and Gregg
- There will be a virtual session for attendees who are dialing in, which will be lead by Drake, Ashley, and Shannon
- Pick a topic (on the next slide) that excites the group the most to discuss

**We'll come back together in 40 minutes**

# Discussion Questions

Pick a topic that excites the group the most:

1. Cross-subsidy can be intentionally built into utility rates (e.g., to support low-income customers, clean energy goals, or – notably – EV adoption goals). **Why does this rate design *status quo* exist?**
  - As it relates to managed charging and bidirectional charging, what are some key ongoing or upcoming changes that challenge this *status quo*? E.g., emerging programs or dynamic rates?
  - Do these key changes bring structural winners and losers?
  - What are the barriers to making these key changes?
2. Some managed charging programs depend on a TOU rate. Others are event-based and *compete* with TOU rates. **How do you interpret and define “programs” vs “rates”?**
  - Are they mutually exclusive?
  - Are they compliments or in opposition?
3. We have heard today about replicable approaches to implementing VGI strategies. **What would it take for other utilities to adopt a given strategy?**
  - What are some barriers that could make replication difficult? Provide examples if you’ve tried to do this.

# Summary and Next Steps

# Group Summary

- Group 1: Garrett
- Group 2: Brittany
- Group 3: Zach
- Group 4: Grace
- Group 5: Elise
- Group 6: Gregg
- Virtual Group: Drake / Janne / Shannon

# UCF Plenary Schedule

Date/Time
Friday, July 18 at 10:00AM – 11:30AM PT   1:00PM – 2:30PM ET
Friday, October 3 at 10:00AM – 11:30AM PT   1:00PM – 2:30PM ET
Friday, November 14 at 10:00AM – 11:30AM PT   1:00PM – 2:30PM ET

# Action Items

- UCF Participants:
  - If you were unable to make this session and/or would like to dive deeper, we can have a make up 1:1 meeting
- VGIC-SEPA team:
  - Distribute today's presentation and meeting summary
  - Send out subsequent working group calendar invites



Thank you!