



GRIDWORKS

Vehicle - Grid Integration Initiative Workshop Meeting Notes

Date: Friday, April 12

Time: 10:00am - 5:00pm

Location: Energy Foundation (Main Conference Room, 301 Battery St., San Francisco)

Meeting Notes:

Our Action Items/meeting notes:

- Making improvements to the [VGI Initiative Framing Document](#):
 - The results of the VGI definition exercise will be used to refine the working definition. A revised definition will be shared with stakeholder for consideration during the May workshop.
- Use case evaluation methodology:
 - Thank you to PG&E and Karim for sponsoring a Use Case Evaluation Methodology for the group's consideration (see attached). Stakeholders encouraged to provide feedback on PG&E's Use Case Valuation methodology directly to Karim Farhat (K1FX@pge.com)
 - The principles and priorities for use case evaluation discussed by the group is available below - this is a comprehensive list of what was heard during the meeting and not yet harmonized. Gridworks will refine the principals and priorities for discussion during future workshops.
 - Stakeholders are encouraged to propose additional use case evaluation methodology frameworks for discussion during the May workshop.
Please reach out to Gridworks by April 22 if you have additional input to offer.
- Data and research referenced in the meeting:
 - CEC Report by EPRI and E3 - [Distribution System Constrained Vehicle-to-Grid Services for Improved Grid Stability and Reliability](#)
 - [EVgo Rideshare Fast Charging Load Profile Analysis](#)
- Next Meetings:
 - **5/22** – location: TBD (Bay Area) – save the date will be sent shortly
Draft Agenda:
 - Alternative use case evaluation methodology presentation (if necessary)
 - PG&E update/progress on proposed methodology
 - Principals and priorities discussion (continued)



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- Data or enabling technologies discussion
- 6/25 – location: TBD (Bay Area) – save the date will be sent shortly

Principle and Priorities for Use Case Evaluation:

- Inclusive of all potential use cases
- Aligns with other regulations/DER policies
- Quantification of costs and benefits
- Focus on benefits and let the market determine the cost
- Optimizing for benefits, cost minimization or net benefits?
- Leverages available information & models
- Distinguish between grid and third party costs or benefits first, costs second
- Balancing time and accuracy
- Focus on outcomes (what THEN how)
- Encourage innovation, collaboration
 - Market will respond to money - what do providers need?
- Avoid assumptions about commercial requirements
- Provide clarity needed for investments
- Emphasis on enabling
- Whether/how to formalize principals
- Sector can be oversimplified (e.g., work from home vs workplace)
 - Different sub sectors
- What it is - structured process/outcome
- Exportable/adaptable to other states/countries/cultures
- Data feedback loop: method should identify missing data/information, spur data/information gathering, and then adapt to what is learned
- Action over consensus - good over perfect
- Efficient implementation
- What is the baseline - how do we determine.

Once more, please join me in thanking the Energy Foundation for their great hospitality.