GRIDWORKS

Joint Agencies Vehicle-Grid Integration (VGI) Working Group

WORKSHOP #5

MARCH 19-20, 2020

10 AM – 3:30 PM AND 9 AM – 11:30 AM

HTTPS://ZOOM.US/J/8569536132

Agenda

Thursday 3/19

10:00-10:15   Introductions, agenda, objectives

10:15-10:30   Subgroup C results and report

10:30-12:00   Session 1

- Presentation, discussion, and clarification of policy recommendations, categories, and linkages with use cases

12:00-1:30   Lunch

1:30-3:30   Session 2

- Policy topics A, B, C, D
- Small-group breakouts followed by full-group discussion
- Collaboration, consolidation, clarification

Agenda

Friday 3/20

9:00-11:20   Session 3
- Policy topics E, F, G, H
- Small-group breakouts followed by full-group discussion
- Collaboration, consolidation, clarification

11:20-11:30   Conclusion, action items, next calls

Participant Introductions

Workshop Objectives

1. Review the work of Subgroup C and discuss and clarify selected policy recommendations and agree on process for further clarifications and descriptions.

2. Explore ways of consolidating (with fewer actions) and collaborating on policy recommendations received, with a view to "higher-level" outputs and methods of presenting outputs in the WG Final Report.

3. Understand better how to tie policy recommendations closely and explicitly to use case categories or subsets

4. Understand better how our available material and outputs relate to, and can contribute to, long-term policy through to 2030.

Subgroup C Results and Report

- Compilation of 100 policy recommendations submitted by 14 parties

- Sorted by "category" and timeframe

- CPUC comments on individual recommendations

- Additional policy recommendations from CalETC and Amzur

- Stocktakes by CPUC and CAISO

- Policy "topics" put forth by CPUC to enable consolidation, collaboration and more focused discussion (for Sessions 2 and 3)

Policy Recommendations Template

- Action
- What does success look like?
- Timeframe
- Category
- Relevant Use Cases
- Submitted by
- Lead (agency)
- Support (agency)
- Metric(s) - how to measure success?
- Barriers to Implementation/Adoption
- Existing Relevant Policy Forums and/or Decision
- Notes

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Policy "Categories"

1. Retail rate reforms

2. Utility customer programs, incentives, and DER procurements

3. Wholesale market rules & access

4. Market transformation, costs and benefits, increasing customer adoption

5. V2G, V2H, and Public Safety Power Shutoffs (PSPS) Solutions

6. Other/General Approaches

7. Demonstration & technology support

8. Interconnection & technical standards

9. Market education & coordination

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Session 1

- Exercise in clarifying policy recommendations per CPUC comments

- Subgroup C participant comments on their submitted policy recommendations

- Discussion on linkages between policy recommendations and use case scoring and "high-value" or "favorable" subsets from 1/22-/1/23 workshop and follow-up

- Consolidation and higher-level Working Group outputs (to smaller number than 100)

- Text elaborations and writing Final Report

Interest in Discussion Topics for VGI WG Workshop #5
(Total responding: 22)

Topic	Rank	Votes
Dynamic TOU Rates	1	17
Demand response/resource adequacy	2	16
Customer-side load management/energy management systems	3	12
V2G Powered Microgrids	4	9
Rule 21 - Interconnection	4	9
Non Generator Resources	6	7
School Bus V2G Pilots	7	6
Cost benefit analysis	7	6
SGIP (or SGIP-type) incentives for V2G	7	6
Building Codes for V2G enabling capacity	10	5
LCFS credit value	10	5
NEM or other value for export	10	5
ME&O regarding costs and EVs	13	3

Lunch

Session 2 (Policy Topics A, B, C, D)

Objectives of Collaboration, Consolidation, Clarification:

1) if stakeholders generally agree on a recommendation, craft one recommendation and note who supports (in whole, or in part)

2) if stakeholders are working on the same topic (say NEMs) but prioritize different options, provide one recommendation with the options or cross-reference in each recommendation that you are addressing the same issue as other party(s) and also make sure that they are in the same category

3) Stakeholders (and agency staff) generally will not know everything about each issue, and via collaboration we can improve everyone's understanding and provide more informed recommendations to decision-makers

Session 2 Policy Topics

- **Dynamic TOU Rates**

- **Demand response/resource adequacy**

- **Customer-side load management/energy management systems**

- **V2G Powered Microgrids**

- **Rule 21 - Interconnection**

Session 3
(Policy Topics E, F, G, H)

Objectives of Collaboration, Consolidation, Clarification:

1) if stakeholders generally agree on a recommendation, craft one recommendation and note who supports (in whole, or in part)

2) if stakeholders are working on the same topic (say NEMs) but prioritize different options, provide one recommendation with the options or cross-reference in each recommendation that you are addressing the same issue as other party(s) and also make sure that they are in the same category

3) Stakeholders (and agency staff) generally will not know everything about each issue, and via collaboration we can improve everyone's understanding and provide more informed recommendations to decision-makers

Session 3 Policy Topics

Wrap Up

General

- Recap action items

- Other items?

- Next all-Working Group calls (10a-12n): 3/26 and 4/2