



**GRIDWORKS**

# Joint Agencies Vehicle-Grid Integration (VGI) Working Group Two

**KICK-OFF WORKSHOP #1**

10 AM – 5 PM

AUGUST 19, 2019

SACRAMENTO, CA

# Agenda

## 10:00-10:30 Introduction and kick-off remarks from Commissioner Patty Monahan

- Workshop background and purpose
- Participant introductions

## 10:30-11:00 Joint Agencies Presentation

- Transportation electrification background, context, and interagency activities
- Share VGI working definition: Based on SB 676
- Share VGI Working Group scope

## 11:00-11:30 What would make for a successful outcome of this Working Group?

- Presentation and discussion of preliminary Principles and Priorities from Gridworks VGI Framing Document
- Brainstorm and refine potential criteria for success

# Agenda

## 11:35-12:30 Work Plan

- Introduction to the Work Plan
- Expectations for Working Group participants

## 12:30-1:30 Lunch

## 1:30-2:30 Joint IOUs Presentation and Discussion

- Sub-groups: what are they and how to get on one?
- Foundational materials: introduction and feedback

## 2:30-3:00 Working Group Process Forum

- What questions do you have?
- What concerns do you have?
- What insights do you have?

# Agenda

## 3:00-3:45 Presentation by Joint IOUs

- Introduction to the PG&E VGI Valuation Method, in preparation for Work Plan Stage #2
- Questions and feedback

## 3:45-4:00 Break

## 4:00-4:30 Launching a Sub-Group for Work Plan Stage #2

- Work Plan Stage #2 calls for vetting and finalizing the PG&E VGI Valuation Method

## 4:30-5:00 Wrap Up

- What's next?
- Recapping action items

# Workshop Background and Purpose

## Background

Following a joint 2017 VGI Working Group, California state agencies are launching a new joint VGI Working Group. As directed in CPUC Rulemaking R.18-12-006, **the new Working Group will focus on identifying, capturing, and scaling the value of VGI.**

## Purpose

This initial meeting will offer interested parties a chance to learn about this new Working Group's scope of work and help inform the work plan for the Working Group.



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# Kick-off Remarks from Commissioner Patty Monahan



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# Participant Introductions

# **(Joint Agencies Presentation: Transportation Electrification, VGI Definition, VGI Working Group Scope)**



# Facilitated Discussion: What would make for a successful outcome of this Working Group?

- Preliminary Principles and Priorities from Gridworks VGI Framing Document
- Potential Criteria for Success

# Preliminary Principles and Priorities from Gridworks VGI Framing Document

Our methods of evaluating VGI's value should be:

- Inclusive without prejudice
- Able to leverage available information, identify and narrow any information gaps, and adapt to new information
- Reasonably efficient to implement, balancing progress, consensus building, time and accuracy
- Technology and business model neutral
- Transparent and clear
- Allows quantifiable analysis and assessment of benefits and costs
- Capable of recognizing the needs and interests of a broad constituency

# Potential Criteria for Success

1. The Working Group has answered all three PUC questions to the satisfaction of PUC Energy Division
2. The Working Group has successfully adapted and applied the valuation methodology in answering the three PUC questions
3. A clear and repeatable process for vetting VGI use cases is developed
4. Energy Division has been provided a clear and productive pathway forward for the next stage of VGI rulemaking
5. Results of the Working Group are consistent with existing utility planning and VGI development

# Work Plan – Concept

- First, vet and finalize PG&E VGI Valuation Methodology (Steps 1-6), including assembling relevant materials and considering stakeholder proposals
- Then, answer the three PUC questions in three successive stages, by preparing materials and considering stakeholder proposals through a “sub-group” in advance of a workshop:
  - Question 1: What VGI use cases can provide value now, and how can that value be captured?
  - Question 3: How does the value of VGI use cases compare to other storage or DER?
  - Question 2: What policies need to be changed or adopted to allow additional use cases to be deployed in the future?
- In each stage for each question, the sub-group and workshop should employ the VGI Valuation Method, going through each of the Steps 1-6 to the extent relevant and practical

# Work Plan – Overall Schedule

Stage	Content	Sub-Group Working Schedule	Workshop	Draft Final Materials/ Report by Gridworks
1	Kick-off	---	8/19	---
2	Vet and finalize PG&E VGI Valuation Methodology	8/20-9/20	9/26	10/8
3	PUC Question 1	10/4-10/25	10/31-11/1	11/12
4	Interim Report	---	---	11/19
5	PUC Question 3	11/19-12/10	12/16-12/17	12/30
6	PUC Question 2	1/6-1/17	1/23	1/31
7	Final Report	---	2/14	1/31

**Final Report Submitted: 2/21/2020**

# Work Plan – Workshops and Calls

- Six workshops total
- Workshops 9am-5pm for one-day workshops (Thursdays) and 9am-5pm / 9am-12:30pm (Thursday-Friday) for two-day workshops
- Workshop locations to be finalized by 8/23
- Workshop materials (from sub-group) circulated by the Friday the week before a Thursday workshop
- WG Calls: 2-hour conference calls (2:00-4:00pm) scheduled for Thursdays 1 week following each workshop
- WG Calls are to consider proposal revisions based on workshop discussion, to document differences or sticking points, and to add any items to a “still-to-do” list

# Work Plan – Sub-Groups

- Sub-groups must complete their work and materials the week prior to the targeted workshop
- Sub-group “progress calls” are already scheduled in the Work Plan once or twice for each sub-group, to consider proposals and discuss sub-group outputs
- Sub-groups may schedule additional calls as needed
- Final party proposals to a sub-group are due by deadlines specified in the Work Plan (i.e., 9/12 for first sub-group)
- Sub-group outputs should organize party proposals into a single document reflecting all proposals and proposal discussions
- Gridworks will post information on sub-group call and work schedules, participate on calls, and be available as needed

# Work Plan – Sub-Group Process (Stage 2: VGI Valuation Methodology)

- Building on Kick-off Workshop presentations and the Gridworks VGI Framing Document, become familiar with the PG&E Valuation Method
- Assess each step of PG&E Valuation Method
- Propose additions, variations, amendments, or updates, as needed
- Consider proposals through sub-group calls
- Acknowledge and identify unknowns and potential strategies for managing them
- Outcomes: Propose VGI Use Case Valuation Method(s) for application in later stages of the Working Group; prepare presentation of proposal for full Working Group consideration in the 9/26 Workshop



# Work Plan – Sub-Group Process (Stage 3: PUC Question 1)

- Apply Use Case Valuation Methods developed in Stage 1, identifying, screening, quantifying and weighing, and prioritizing potential use cases
- Parties propose answers to Question 1 for sub-group consideration
- Sub-group calls allow for presentation of party proposals, feedback, and refinement
- Identify key assumptions underpinning proposals and recommendations that may further proposals (identify now, evaluate in Stage 5)
- Unknowns acknowledged and documented
- Outcomes: Sub-group proposal(s) containing recommended high-value use cases, documented unknowns and assumptions; presentations of proposal for the Workshop; "Still to Do" List

# Work Plan – Interim Report

- Gridworks writes first draft by 11/8 for party comments by 11/13
- WG Call 11/15 to discuss content
- Gridworks submits final version 11/19

# Work Plan – Final Report

- Gridworks releases first draft on 1/31/2020
- Three rounds of comments solicited
- WG Call and Workshop scheduled to discuss
- Final report submitted by 2/21/2020

# Work Plan – Schedule Feasibility

- We have a compliant 6-month plan
- The schedule might be viewed as aggressive
- Possibility to ask for an extension beyond 6 months as part of interim report, but won't know until extension subsequently granted
- **Can you commit to this 6-month schedule?**

# Expectations for Participants

- Please come to each workshop prepared! For each stage, please read the Foundational Materials and materials from the sub-group in advance.
- You are free to express your positions and opinions, but please be responsible for justifying your positions and juxtaposing them against others.
- Please remain aware of and responsible for action items that involve you. All action items throughout the Working Group will be posted to a single document in a shared OneDrive file space.
- When your proposals are invited or your comments solicited on circulated materials, please abide by submission deadlines.
- We are counting on you to share your expertise! Please do so in a way that forwards the action and answers the questions before us.
- If we are moving off-topic or out-of-scope, please respect facilitator prerogative to terminate a discussion or defer it to an off-line mode.

# Working Group Online Links

Gridworks web page for Working Group (incl. posted materials):  
<http://www.gridworks.org/initiatives/vehicle-grid-integrationwg>

OneDrive file sharing site for Working Group and sub-groups:  
[https://1drv.ms/u/s!AhT\\_Srofd5FYgzVJ3LM1YhfN7ItE?e=mdS4CD](https://1drv.ms/u/s!AhT_Srofd5FYgzVJ3LM1YhfN7ItE?e=mdS4CD)

Action Items on-line display (editable by parties via OneDrive):  
[https://1drv.ms/w/s!AhT\\_Srofd5FYgz91jDqfr\\_VIPOGr?e=8ol1wW](https://1drv.ms/w/s!AhT_Srofd5FYgz91jDqfr_VIPOGr?e=8ol1wW)



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# Lunch



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# **(Joint IOUs Presentation & Discussion: Sub-groups and Foundational Materials)**



# Working Group Process Forum

- What questions do you have?
- What concerns do you have?
- What insights do you have?

# (Joint IOUs Presentation: VGI Valuation Method)

# Launching a Sub-Group for Work Plan Stage #2 “Vet and Finalize Steps 1-6 of PG&E VGI Valuation Methodology”

- Sub-group leader(s)
- Sub-group participants
- Plan and schedule (8/20-9/20)
- Conference calls
- Foundational materials
- Outputs (due 9/20)

# Wrap Up

## General

- Recap action items
- Revising Work Plan (if needed)
- Foundational materials
- Working Group scheduled break: 8/26-9/8

## Next Steps for Work Plan Stage #2: “Vet and Finalize Steps 1-6 of PG&E VGI Valuation Methodology”

- Sub-group work schedule: 8/20-9/20
- First sub-group call: (Date and Time)
- Sub-group progress call: 9/12
- Deadline for parties to submit proposals: 9/12
- Next Workshop: 9/26 in (Location)