



California Public Utilities Commission



Smart Grid Deployment Plans

Workshop Agenda for January 30 - February 2, 2012





WORKSHOP AGENDA: SMART CUSTOMER

**JANUARY 30, 2012
NOON – 5 P.M.
GOLDEN GATE ROOM
CPUC, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102**

Objective of this workshop

Identify and agree on the information and roadmap needed for an effective and complete Utility Smart Grid Deployment Plans to be approved by the CPUC. Enhanced Deployment Plans must include information that will provide a guideline for launching appropriate outreach efforts throughout the course of smart grid deployment.

Specifically, the workshop will attempt to further clarify and expand on the following three areas:

1. Clarify/define the utility role in customer awareness versus the role of a third-party.
2. Identify potential customer concerns as related to Smart Grid participation and acceptance and ways to manage them.
3. Bifurcate utility customer engagement and awareness to create a near term roadmap that is more specific and a longer term plan that should be detailed overtime.

Agenda

Noon – 12:10 p.m.

Welcome and Purpose (ALJ Sullivan and CPUC staff)

12:10 p.m. – 1:30 p.m.

The utility role vs. third-party role in customer awareness, enablement, and engagement

(Led by Marzia Zafar, CPUC - Panel discussion to define the utility versus third-party role; the panel will consist of IOUs, interested third-parties, and consumer advocates.)

Panelists

1. Tendril – Dan Fredrickson
2. OPower – Jeff Lyng
3. Edison – Seth Kiner





BREAK – 1:30 p.m. – 1:45 p.m.

1:45 p.m. – 3 p.m.

Identify potential customer concerns related to Smart Grid participation and acceptance and ways to manage them.

(Led by Marzia Zafar, CPUC – Panel discussion to first define potential risks for overall participation and acceptance; the panel will consist of consumer advocates and third-parties as well as IOU participation.)

Panelists

1. SDG&E – Caroline Winn or Lee Krevat
2. Greenlining – Stephanie Chen
3. UCAN – Michael Shames

BREAK – 3 p.m. – 3:15 p.m.

3:15 p.m. – 4:45 p.m.

Bifurcate utility customer engagement and awareness to create a near term roadmap that is more specific and a longer term plan that should be detailed overtime.

(Led by Jennifer Caron, CPUC – Utility presentation to identify near term outreach needs based on specific utility rollout of Smart Grid programs that will require customer participation. Near term is defined as 2012-2015 while long term is defined as 2015 and beyond.)

[Note – see below for specific questions that will need to be prepared in advance for this section]

Panelists

1. EDF – Tim O'Connor
2. PG&E – Felicia Lokey
3. Edison – Seth Kiner
4. SDG&E – Caroline Winn

4:45 p.m. – 5 p.m.

Closing Remarks



WORKSHOP AGENDA: SMART MARKET

JANUARY 31, 2012

9 A.M. – 5 P.M.

COURTYARD ROOM

CPUC, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102

Objective of this workshop

The core objective of the workshop is to improve upon the level of understanding of how Smart Grid technologies can enable markets. Specifically, the workshop will focus on identifying the key markets and corresponding market enablers that are needed to lower barriers to entry and to facilitate growth. The workshop will focus on the following areas:

1. Identification of key markets dependent on Smart Grid solutions and the role that the utility should play in supporting these markets.
2. Discussion of key enablers to market development and growth, such as access to data, standards, and transparency in processes.
3. Discussion of how well the Deployment Plans address market enablement and how the Deployment Plans could be improved.
4. Discussion on how well the Deployment Plans address market enablement as specific to electric vehicles.
5. Explore whether the CPUC should set a 'demarcation point' that delineates the role of utilities vs. third-parties.

Agenda

9:00 a.m. – 9:10 a.m.

Welcome and Purpose (ALJ Sullivan and CPUC staff)

9:10 a.m. – 10:30 a.m.

Identification of key markets dependent on Smart Grid solutions and the role that the utility should play in supporting these markets.

(Led by Chris Villarreal, CPUC - Panel discussion to define the markets and the utility role; the panel will consist of IOUs and interested third-parties.)

Panelists

1. Lee Krevat- SDG&E
2. Mona Tierney-Lloyd- EnerNOC
3. Ethan Sprague- SunRun
4. Paul DeMartini- Newport Consulting





BREAK – 10:30 a.m. – 10:45 a.m.

10:45 a.m. – Noon

Discussion of key enablers to market development and growth, such as access to data, standards and transparency in processes.

(Led by Chris Villarreal, CPUC - Panel discussion to identify key enablers to market development and growth. What are the typical barriers experienced by third-parties? How can these barriers be lowered? What standards are required to allow for market enablement? The panel will consist of IOUs and interested third-parties.)

Panelists

1. Larry Oliva- SCE
2. Dan Fredrickson- Tendril
3. Chris King- eMeter

LUNCH – Noon – 1 p.m.

1 p.m. – 2 p.m.

Discussion of how well the Deployment Plans address market enablement and how the Deployment Plans could be improved.

(Led by Chris Villarreal, CPUC – Presentation by the staff and utilities, followed by a discussion session. How well do the Deployment Plans address access to grid, access to other markets, customer choice? What specifics in the Deployment Plans discourage or do not enable market development and growth?)

Roundtable Discussions led by Chris

BREAK – 2 p.m. – 2:15 p.m.

2:15 p.m. – 3:30 p.m.

Discussion on how well the Deployment Plans address market enablement as specific to electric vehicles.

(Led by Adam Langton, CPUC – Facilitated question and answer session to discuss how well the utilities have addressed electric vehicle concerns in the Deployment Plans and potential areas for improvement.)

Panelists

1. Richard Lowenthal - Coulomb Technologies
2. Greg Haddow - SDG&E
3. Max Baumhefner - NRDC





BREAK – 3:30 p.m. – 3:45 p.m.

3:45 p.m. – 4:45 p.m.

Explore whether the CPUC should set a 'demarcation point' that delineates the role of utilities vs. third-parties.

(Led by Chris Villarreal, CPUC – Panel discussion to identify 'pros' and 'cons'. What the instances in which the 'demarcation point' would be applicable? What would be a reasonable timeframe for instituting a 'demarcation point'? The panel will consist of IOUs and interested third-parties.)

Panelists

1. Chris Warner - PG&E
2. TBD
3. Rachelle Chong - Comcast (invited)

4:45 p.m. – 5 p.m.

Closing Remarks





WORKSHOP AGENDA: SMART UTILITY

FEBRUARY 1, 2012

9 A.M. – 5 P.M.

COURTYARD ROOM

CPUC, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102

9 a.m. – 9:10 a.m.

Welcome and Purpose (ALJ Sullivan and CPUC staff)

9:10 a.m. – 10:30 a.m.

Comparison of “foundational infrastructure” across utilities and discussion of the best way to standardize the definition across the three Deployment Plans.
(Led by Elizaveta Malashenko, CPUC – Each utility to present a summary of “foundational infrastructure” assumptions made in the respective Deployment Plans. Identify similarities and differences. Discuss how “foundational infrastructure” approaches can be standardized across the Deployment Plans.)

Panelists

1. Bradley R. Williams - Oracle
2. Jennifer Lin - Cisco
3. Thomas Price - EMC
4. Lee Krevat - SDG&E
5. Kevin Dasso - PG&E
6. Michael Montoya - SCE

BREAK – 10:30 a.m. – 10:45 a.m.

10:45 a.m. – Noon

Comparison of utility “project roadmaps” and discussion of how the “project roadmaps” can be standardized across the three Deployment Plans.
(Led by Elizaveta Malashenko, CPUC – Facilitated discussion of similarities and differences in the Deployment Plans. Develop a set of requirements for the presentation of “project roadmaps” going forward. Utilities should be prepared to present and discuss “project roadmaps” that were submitted as part of the Deployment Plans.)

Panelists

1. Timothy O’Connor - EDF
2. Karen Hieta - DRA
3. Lee Krevat - SDG&E
4. Kevin Dasso - PG&E





5. Michael Montoya - SCE

LUNCH – Noon – 1 p.m.

1 p.m. – 2:45 p.m.

Deep dive into how Smart Grid technologies can facilitate integration of distributed generation resources.

(Led by Elizaveta Malashenko, CPUC – Panel discussion to identify the challenges of interconnection of distributed generation resources. Discussion of how the proposed Smart Grid projects help overcome interconnection challenges and identification of areas for improvement. The panel will consist of generators, interested third-parties and IOU participants.)

Panelists

1. Craig Lewis - Clean Coalition
2. Matt Galland - SunPower
3. Jason Walters - NRGEnergy
4. Kurt Yeager - Galvin Power
5. Tom Bialek - SDG&E
6. Kevin Dasso & Chase Sun - PG&E
7. Michael Montoya - SCE

BREAK – 2:45 p.m. – 3 p.m.

3 p.m. – 4:45 p.m.

Deep dive into how Smart Grid technologies support grid reliability and resiliency goals, including a discussion of reasonable expectations.

(Led by Audrey Lee, CPUC – Facilitated discussion of how the proposed Smart Grid projects will impact reliability and how that relates to reliability forecasts. Discussion of how proposed technologies can help resolve issues utilities face, such as ageing of undergrounding cable. Discuss the feasibility of integration of Smart Grid technologies into asset replacement cycles to reduce overall costs.)

Panelists:

1. Lora Anguay - SMUD
2. Mike Gravely - California Energy Commission
3. Ernest Lewis - Verizon
4. Tom Bialek - SDG&E
5. Bradley R. Williams - Oracle



4:45 p.m. – 5 p.m. - Closing Remarks

FEBRUARY 2, 2012
9 A.M. – 5 P.M.
COURTYARD ROOM
CPUC, 505 VAN NESS AVENUE, SAN FRANCISCO, CA 94102

Agenda

9 a.m. – 9:10 a.m.

Welcome and Purpose (ALJ Sullivan and CPUC staff)

9:10 a.m. – 10:45 a.m.

Discussion of the role of workforce enablement and organizational change in Smart Grid.

(Led by Elizaveta Malashenko, CPUC – SDG&E and PG&E to present their ideas for initiatives that encourage modernization of the workforce. Facilitated discussion of utility and state-wide initiatives that could promote skill development and attract new talent.)

Panelists

1. Emir Jose Macari - California Smart Grid Center
2. Hunter Stern - Coalition of California Utility Employees
3. Elizabeth Brinton - SMUD
4. Nancy Smith-Taylor - SDG&E
5. SCE: TBD
6. Kevin Dasso & Jim Caldwell - PG&E

BREAK – 10:45 a.m. – 11 a.m.

11 a.m. – 12:30 p.m.

Discuss the role of standards in Smart Grid deployments and utility involvement in standard development.

(Led by Elizaveta Malashenko, CPUC – Utility presentations of the key emerging standards and activities that utilities are involved in. Discuss the level of effort required, what works well, what does not work well, and what can be done to make this effort more coordinated.)

Panelists

1. Frances Cleveland - Xanthus
2. Jeff Gooding - SCE
3. Zahra Makoui - PG&E
4. Tom Bialek - SDG&E





5. Samuel Sciacca - IEEE

LUNCH – 12:30 p.m. – 1:30 p.m.

1:30 p.m. – 3:30 p.m.

Discuss how Smart Grid Deployment Plans will be incorporated into the project approval process and the role of the Smart Grid Annual Reports to be submitted by utilities.

Led by Elizaveta Malashenko, CPUC

The session will begin with the Division of Ratepayer Advocates (DRA) outlining their proposed approach, followed by a round-table discussion.

Roundtable Discussion with DRA outlining their proposed approach.

BREAK – 3:15 p.m. – 3:30 p.m.

3:30 p.m. – 4:30 p.m.

Discuss next steps for Deployment Plans, including how they should be kept current and their relationships to proceedings that will approve project costs. (Led by Elizaveta Malashenko, CPUC – Facilitated discussion of how to best make use of the Deployment Plans going forward, effective ways to keep them up-to date, and their relationship to utility Smart Grid Annual Reports progress reports. This is a summary section to wrap-up the workshops and discusses more tactical aspects.)

Roundtable Discussion with Lee Krevat, Kevin Dasso, and Doug Kim on how best to make use of the deployment plans.

4:30 p.m. – 5 p.m.

Closing comments and discussion of logistical next steps.