



# Local & Regional Government Sector

## 2016-2017 Update of the EE EM&V Plan, LGP and REN-CCA Chapters (“Roadmaps”)



**Webinar: October 27, 2016**  
10:30 am to noon

*A stakeholder engagement exercise presentation of the*

**California Public Utilities Commission**

Presented by Jeremy Battis | Regulatory Analyst | Energy Division



# Housekeeping



Source: kbps.org

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## Roadmap and Webinar Information

- **PUBLIC COMMENT PERIOD NOW OPEN** –The two draft roadmap chapters to be covered in the webinar have been posted to the CPUC Public Document Area <http://www.energydataweb.com/cpuc/search.aspx>.

- **WEBINAR SCHEDULE AND CONFERENCE LINE**

Conference: Call in to 712 432 1212

Participant Access Code: 875 791 280#

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# Energy Efficiency Evaluation, Measurement and Verification Plan (Version 6)

## *2016 Update to EM&V Plan and Its Roadmaps*

- The EM&V Plan is generally updated every 12 months to reflect new study needs and to reflect EE programs and policies as they evolve
- Within the EM&V Plan are 14 roadmap chapters by EE categories or business lines to frame the research
- The combined local and regional government sector EM&V budget for 2016-2017, is expected to be an amount of approximately \$4.7m, with ED-led studies accounting for about \$3.3m of this amount
- Combined, the local/regional sector program budget for this two-year period is expected to approach \$200m





# Background and Regulatory Setting

- **Two Roadmap Chapters**
  - Local Government Partnerships
  - Regional Energy Networks and Community Choice Aggregators
- **EM&V Roadmaps Serve as the Pipeline for Future Studies and Identify:**
  - Existing Programmed Studies
  - Proposed Future Studies
  - Proposed Areas of Investigation in 2016 and Beyond
  - Unanswered Questions





## Background and Regulatory Setting

- The CPUC directs all impact evaluations
- The CPUC has allocated \$430,000 for the IOUs to conduct EM&V process studies on their LGP programs
- New for 2016-2017, the CPUC is making available EM&V funds for non-IOU program administrators (PAs) to conduct evaluations they will lead
- It's estimated that RENs and MCE could receive \$1m in EM&V funding for 2016-2017





# Today's Program Agenda

## Review Highlights for Each Program Category

- Review High-level Study Summaries and Issues Conveyed in Slides
  - LGP, REN, and CCA
  - Allow for Q&A, clarification, and discussion

## Discuss the Roadmap Documents

- Describe proposed study areas and purpose
- Identify gaps in existing and proposed study areas
- Generate discussion of proposed study areas among PA staff, local government energy managers & stakeholders

## Final Q&A





## Ex Ante Findings Addressed Elsewhere

- **Ex Ante Update for LGP, REN, and CCA Studies**
  - *Ex ante* loosely translates from the Latin “before a program begins” and is a forecast of energy savings that an EE program is expected to produce
  - *Ex post*, by contrast, are measured and verified savings that come once a project has been run
  - Ex ante assumptions are used to estimate program savings in the planning stages and gauge how an EE effort is expected to contribute to overall statewide goals
  - Ex ante savings updates are not addressed within the roadmaps here but are addressed elsewhere in the EM&V Plan







# Considerations for PY 2016-2017 LGP Studies

- **Funding Available:** \$1.67 million for Energy Division-led studies to conduct impact-, process-, and market study evaluations to improve understanding and implementation of LGP programs and activities
- **Questions that Remain Unresolved from 2013-2014 Value and Effectiveness Study:**
  - Can a predictive tool be developed to identify LGs that have the highest potential for success as sponsors of Strategic Plan goals? Does this correlate with effective implementation?
  - Across California, how does the IOUs' program administration of their LGP portfolios affect the LGs' ability to meet Strategic Plan goals?





# Considerations for PY 2016-2017 LGP Studies

- Forthcoming and Proposed Studies Would Attempt to Inform *How*:
  - LGPs and Direct Install Programs Coordinate to Deliver Synergies and Capture Savings Potential; Appropriate Degrees of LGP-DI Integration, Local Presence and Control
  - LGP Implementers Advance a Regional Vision, Assign Goals and Resources, and Effectively Serve their Member Partner Local Governments
  - Large Regional LGPs Compare Around the State; How They Push the Envelope to Innovate and Elevate the Quality of EE Discussion; How they Might Leverage Size, Resources, and Expertise to Address Statewide and Regional Gaps in the LGP Programs





# Considerations for PY 2016-2017 LGP Studies

- New and Proposed LGP Studies to be Directed by Energy Division Would Attempt to Inform *How*:
  - LGPs Might Warrant Program Changes and Updates to Respond to their Stage of Maturity Within the EE Portfolio
  - LGPs Might Warrant Program Changes and Updates to Respond to the Introduction of New REN and CCA PAs
  - LGPs Might Warrant Program Changes and Updates to Preserve their Position as the Marquee Local Government EE Program
  - IOU Directives and Decisionmaking is Channeled and Shared with LGP Implementers; How LGP Implementers Filter and Convey Information to their Member Partner LGs



# 2013-2015 LGP Studies (existing)

2013-2015 Study Area/Title	Study Type	Study Manager	Budget	Completion Date
<b>Studies In Progress</b>				
PY 2013-2015 LGP Impact Evaluation	Impact	Energy Division	\$230,000	Q2 2017
Local Government Partnerships Process Study: Assessing the LGP–DI Nexus	Process		\$418,000	Q4 2017
Targeted Process Evaluation of IOU Local Government Partnerships	Process	IOU (SCE)	\$490,000	Q4 2016
Process and Effectiveness Evaluation of SCE Energy Leader Model		IOU (SCE)	\$225,000	Q4 2016





# 2016 and Beyond LGP Studies (proposed)

2016-2017 Study Area/Title	Study Type	Study Manager	Budget	Completion Date
<b>Studies Proposed, but not yet Scoped</b>				
Local Government Partnerships Process Study: Comparative Analysis of Select Large Regional LGPs	Process	Energy Division	\$350,000	Q4 2018
Local Government Partnerships Process Study: Assessing Implementer Autonomy, Communication, and Decision-making in the Context of IOU and Local Agency Officials	Process		\$250,000	Q4 2018
Local Government Partnerships Process Study: Gap Analysis	Process		\$285,000	Q4 2018
Applied Impact Analysis of the Sempra LGPs – Gauging Cost-effectiveness of the Non-resource LGPs	Impact	Energy Division	\$125,000	Q4 2018
Other Impact Evaluation Needs (TBD)	Impact		\$590,000	TBD
Local Government Partnerships Rolling Process Evaluations: First Wave	Process	IOU (SCG)	\$295,000	Q2 2017
Local Government Partnerships Rolling Process Evaluations: Second Wave	Process	IOU	\$100,000	Q1 2018





## LGPs Slides Discussion

Q&A and feedback from PAs,  
local government staff, and stakeholder  
community





# Considerations for PY 2016-2017 REN and CCA Studies

- **Funding Available:** \$1.67 million for Energy Division-led studies to conduct impact-, process-, and market study evaluations to improve understanding and implementation of REN and CCA programs and activities

## Questions that Remain Unresolved from 2013-2014 RENs Value and Effectiveness Study:

- Should RENs be made permanent and have their provisional pilot status lifted?
- Should existing RENs be allowed to expand?
- Should new RENs be invited to apply?





# Considerations for PY 2016-2017 REN and CCA Studies

- **Additional potential future study questions for RENs and MCE presently not programmed in a study**
  - If CCAs (and potentially also RENs) proliferate, how would program coordination serve to minimize duplication, redundancy, and customer confusion?
  - As the local government EE market gains additional non-IOU PA actors, should the CPUC consider allowing some program competition? Or would the CPUC be better served by some new rules to support market segmentation and right of first refusal?
  - How valuable and easy to use do customers find the SoCalREN Enterprise Energy Management Information System (EEMIS) and Community Energy Efficiency Project Management System (CEEPMS) software?
  - Is statewide expansion of EEMIS useful and desirable and what would be the associated costs of training and support?







# Considerations for PY 2016-2017 REN and CCA Studies

- **Forthcoming and Proposed Studies of REN and CCA PAs to be Directed By Energy Division**

- A market potential study to learn if these PAs have potential to grow and accelerate prevalence of local agency EE/sustainability funds with strategies that include department-level energy billing and metering, interdepartmental savings competitions and behavior modification, and rewards for energy cost-savings returned to participating departments' budgets for discretionary use on future muni retrofit projects
- How effective and proactive have these existing PAs been at sharing their best practices with aspiring PAs to replicate successes at lowest cost to ratepayers?
- A study and appraisal to monitor and improve the learning curve of these PAs as they direct their first sets of EM&V studies





# Considerations for PY 2016-2017 REN and CCA Studies

- **New Regulatory Developments Affecting REN and CCA EM&V Activities**
  - In August 2016, the CPUC revised its rules to codify and allow for a funding stream for CCAs to conduct their own process evaluations.
  - CPUC rulemaking also modified rules for RENs to lift the prohibition on RENs conducting their own process evaluations and identified a source of ratepayer funds for these efforts.





# New Evaluation Funding Made Available to the RENs and Marin Clean Energy

## Enabled by

### **Conclusions of Law, D.16-08-019**

- EM&V budgets for non-IOU program administrators, including CCAs and RENs, should be allocated from among the up to 40 percent of the EM&V budget that goes to program administrators, on a proportional basis (based on each program administrator's total program budget) within the utility service areas where the non-IOU administrators operate.



# 2013-2015 REN-CCA Studies (existing)

2013-2015 Study Area/Title	Study Type	Study Manager	Budget	Completion Date
<b>Studies In Progress</b>				
PY 2013-2015 REN Impact Evaluation	Impact	Energy Division	\$215,000	Q2 2017
PY 2013-2015 RENs Process Study: More Fully Assessing Program Efforts and Future Potential	Process		\$250,000	Q4 2017
Market Scalability Study of the RENs and MCE Multifamily Programs	Process		\$110,000	Q4 2017





# 2016 and Beyond REN-CCA Studies (proposed)

2016-2017 Study Area/Title	Study Type	Study Manager	Budget	Completion Date
<b>Candidate Study Concepts and Placeholders</b>				
PY 2016-2017 Enhancing and Enabling Replicability Potential and Other Non-quantified Benefits of the Non-IOU PAs	Process	Energy Division	\$250,000	Q2 2018
PY 2016-2017 EM&V Metastudy of Non-IOU PAs' Evaluation Efforts	Process		\$250,000	Q2 2018
PY 2016-2017 Local Agency Internal EE/Sustainability Fund Proliferation Market Assessment	Process		\$250,000	Q2 2018
PY 2016-2017: REN/CCA Field Impact Evaluations	Impact	Energy Division	\$850,000	Q4 2018
PY 2016-2017 Process Study of SoCalREN EE Programs	Process	SoCalREN	\$238,000	Q2 2018
PY 2016-2017 Process Study of BayREN EE Programs	Process	BayREN	\$275,000	Q2 2018
PY 2016-2017 Process Study of MCE EE Programs	Process	MCE	\$115,000	Q2 2018





# RENs and CCA Slides Discussion

Q&A and Feedback from PAs,  
local government staff, and stakeholder  
community



Source: <http://www.tnhistoryforkids.org/local/hamilton/>





## Next Steps

- Comment period closes November 4, 2016
- Comments should be posted using an MS Excel spreadsheet
- A template is available at <http://eecoordinator.info/1027-webinar-emv-roadmaps-update/>
- The finalized roadmaps will be made available within the overall revised EM&V Plan, *ETA: January 2017*

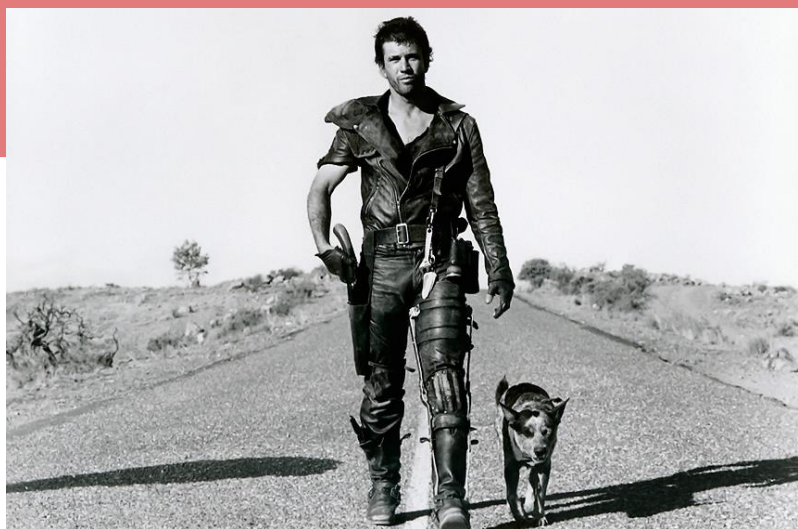
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# Roadmap Documents Discussion

With final Q&A and feedback from PAs, local government staff, and stakeholder community



Source: <http://forums.jetnation.com/topic/128919-jets-seahawks-the-official-game-thread/>







# Where We Can Be Reached

## California Public Utilities Commission

[www.cpuc.ca.gov](http://www.cpuc.ca.gov)

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