

Comments on Roadmap to Commercialize Microgrids in California – May 24 Workshop Presentations

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Barriers and needs include:

- a. Lack of properly executed and locally specific integrated energy analysis, i.e. jurisdiction by jurisdiction; every local jurisdiction's energy profile differs in fundamentally important dimensions. (A template for such analysis was developed by IRESN, thanks to CEC support of the DavisFREE project.) Comparative analysis. See <http://www.iresn.org/news/3555960>, and <http://www.energy.ca.gov/2016publications/CEC-500-2016-015/CEC-500-2016-015-AP-D.pdf>
- b. Typical lack of adequate energy management expertise and capacity with local jurisdictions necessary to interpret and apply analysis results in developing locally specific integrated energy resource plans and projects.
- c. Lack of state match funding for necessary integrated energy analysis capacity and local jurisdiction energy management capacity.
- d. Need to provide for better collaboration and data exchange between incumbent utilities and local jurisdictions. See: <http://www.iresn.org/resources/City-Utility%20Initiatives,%20Rev.%202.pdf>
- e. Need for a decentralized energy infrastructure development vision for California that recognizes the critically important role local community choice energy service agencies can play. See: <http://www.iresn.org/news/3639193>
- f. Need for integration between CEC funded DER R&D roadmapping and CEC funded micro-grid commercialization roadmapping.
- g. Local residential and mixed use land development processes that provide dis-incent land developer cooperation in micro-grid development and net zero community implementation.
- h. Lack of awareness of local energy infrastructure issues by local jurisdiction planning departments, commissions, and elected governing boards.
- i. Need for policy attention (e.g. via the IEPR process) to improve collaboration and coordination between local and regional electricity service providers (CCEs and IOUs).