



A Roadmap for Commercializing Microgrids in California

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Purpose of the Microgrid Roadmap

- Identify the barriers and describe the actions necessary to facilitate commercialization of microgrids in California.
- Assess the regulatory, market, and technical barriers that may impede the widespread development of microgrids.
- Gather lessons learned from operational microgrids.
- Identify common use cases and a business case for microgrids.
- Identify the actions that the Energy Commission, CPUC, California ISO and others can take to enable greater development of microgrids.



CALIFORNIA ENERGY COMMISSION

Time	Item	
10:00 a.m.	<p>Welcome</p> <p>Introductions Agenda Review</p> <p>California Independent System Operator How Microgrids will work in Future ISO Markets</p> <p>Department of Defense: Using Microgrids to Meet the Military Energy Resilience and Climate Change Goals</p> <p>USAF Microgrid Activities at Beale AFB</p> <p>Miramar MCAS Microgrid</p>	<ul style="list-style-type: none"> ➤ Chair Weisenmiller ➤ Mike Gravely, R&D Division ➤ Peter Klauer CA ISO ➤ Michael Wu Special Assistant ASAF IE&E ➤ Mick Wasco Installation Manager



	<p>Department of Defense: Using Microgrids to Meet the Military Energy Resilience and Climate Change Goals</p> <p>Naval Base Ventura County Microgrid (Port Hueneme CA)</p> <p>Open Discussion</p>	<p>➤ Robert Schainker EPRI</p> <p>➤ All</p>
	<p>Lunch – 12:00-1:00 p.m.</p>	



1:00 p.m.	California Public Utilities Commission How Microgrids fit into future CPUC Rulemakings	➤ Gabe Petlin CPUC
1:15 p.m. –	EPIC Funded Microgrids Implementation Strategy and Challenges	PIs for each Microgrid
	SDG&E-Borrego Springs	➤ Tom Bialek SDG&E
	Charge Bliss-Kaiser Hospital	➤ David Bliss Charge Bliss, Inc.
	Humboldt State University-Blue Lake Rancheria	➤ David Carter Humboldt State
	Gridscape Solutions-Fremont Fire Stations	➤ Vipul Gore Gridscape Solutions
	Open Discussion	➤ All



<p>3:00 p.m. –</p>	<p>Panel Questions and Open Discussion Moderator: Jim Reilly DOE/OE Consultant</p> <p>What are the key values of a microgrid?</p> <p>What are the major lessons learned so far that you can pass on to others?</p> <p>What steps should be done to help develop a business case to enable microgrids to be commercialized?</p> <p>What barriers or actions can be identified that the California Roadmap should address?</p> <p>Open Discussion</p>	<p>Panel Members:</p> <ul style="list-style-type: none"> ➤ Michael WU ASAF IE&E ➤ Tom Bialek SDG&E ➤ David Bliss Charge Bliss Inc. ➤ Robert Schainker EPRI ➤ All
<p>4:30 p.m.</p>	<p>Closing Comments and Next Steps</p>	<ul style="list-style-type: none"> ➤ Mike Gravely



Activities Between Workshops

- Establish the Technical Advisory Committee
- Award CEC Technical Support Contract
- Organize and Schedule Third Microgrid Workshop
 - Identify three Sub-Groups for Second Microgrid Workshop
 - Location in Southern California
 - Workshop will also be Web Cast
- Expand the email list of Interested Parties



Questions