

CALIFORNIA ENERGY COMMISSION

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SACRAMENTO, CA 95814-5512
www.energy.ca.gov



NOTICE OF PROPOSED AWARD (NOPA)

Demonstrate Business Case for Advanced Microgrids in Support of California's Energy and GHG Policies

GFO-17-302

Group 1

January 19, 2018

This NOPA is for Group 1 and the NOPA for Groups 2 and 3 will be released in February 2018. The total funding amount recommended in this NOPA is \$22,000,000.

On August 4, 2017, the California Energy Commission (Energy Commission) released a competitive solicitation to fund technology demonstration and deployment projects that will deploy field examples of advanced microgrids. These projects would additionally produce business cases for scalable and repeatable standardized commercial-scale microgrid configurations with measurable benefits for end users of the selected market segments. These microgrid projects must also support California's energy policies, reduce greenhouse gases and attract non-EPIC funding opportunities for future microgrids.

Up to \$44,700,000 in Electric Program Investment Charge (EPIC) funding is available to fund applications in:

- Group 1: Demonstration of Standardized High-DER Penetration, Renewable-Based, Resilient and Commercially Viable Microgrids Located at California Military Bases, Ports, and Native American Tribes within IOU Service Territories (\$22,000,000 available funding).
- Group 2: Demonstration of Standardized High-DER Penetration, Renewable-Based, Resilient and Functional Microgrids located at California Disadvantaged Communities within IOU Service Territories (\$11,700,000 available funding).
- Group 3: Demonstration of Standardized High-DER Penetration, Renewable-Based, Resilient and Commercially Viable Microgrids in IOU Territories that are not Proposed Either Under Group 1 or Group 2 Projects and Where Microgrids Provide Clear and Definable Added Value to the Selected End User of IOU Customers (\$11,000,000 available funding).

The Energy Commission received 16 proposals for Group 1 by the due date of November 9, 2017. Four proposals in Group 1 were submitted with the option requesting funding for more than \$5,000,000. One submitted proposal did not pass the Stage One Application Screening, and fifteen proposals passed the Stage One Applications Screening. Each proposal was screened, reviewed, evaluated and scored using the criteria in the solicitation.

The attached table titled "Notice of Proposed Awards" identifies the applicants selected and recommended for funding in Group 1 by the Energy Commission staff along with the recommended funding amount and score. The total amount recommended for Group 1 is \$22,000,000.

Funding of proposed projects resulting from this solicitation is contingent upon the approval of these projects at a publicly noticed Energy Commission Business Meeting and execution of a grant agreement. If the Energy Commission is unable to timely negotiate and execute a funding agreement with an Applicant, the Energy Commission, at its sole discretion, reserves the right to cancel or otherwise modify the pending award, or award the funds to another applicant.

In addition, the Energy Commission reserves the right to: 1) add to, remove, or shift funding among the groups to make additional awards and 2) negotiate with successful applicants to modify the project scope, schedule, and/or level of funding.

This notice is being mailed to all parties who submitted an application to this solicitation and is also posted on the Energy Commission's website at: www.energy.ca.gov/contracts/.

For information, please contact Crystal Presley-Willis at:
Crystal.Presley-Willis@energy.ca.gov or (916) 653-6110.

Crystal Presley-Willis
Commission Agreement Office



California Energy Commission

GFO-17-302

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Project Group 1 - Demonstration of Standardized High-DER Penetration, Renewable-Based, Resilient and Commercially Viable Microgrids Located at California Military Bases, Ports, and Native American Tribes within IOU Service Territories

Notice of Proposed Awards

January 19, 2018

Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Proposed Awards							
1	Pala Band of Mission Indians	Pala Microgrid Project	\$7,000,000	\$7,000,000	\$8,750,000	90.95	Awardee
2	City of Long Beach Harbor Department (Port of Long Beach)	Project RIZE: Resiliency in a Zero Emissions Future	\$5,000,000	\$5,000,000	\$2,120,000	90.22	Awardee
3	Lawrence Berkeley National Laboratory	Power Begins at Home – R2M2 Resilient Replicable Modular Microgrids: Assured Energy Security for Military Bases	\$5,000,000	\$5,000,000	\$11,410,900	88.60	Awardee
4	The Regents of the University of California; University of California San Diego	SemperGRID: Phase II Scale-Up and Business Case Demonstration of Advanced Microgrid Deployment at Marine Corps Air Station Miramar	\$5,000,000	\$5,000,000	\$6,002,320	88.05	Awardee
Total Funding Recommended			\$22,000,000	\$22,000,000	\$28,283,220		



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<i>Passed but Not Funded</i>							
5	San Diego Unified Port District	Tenth Avenue Marine Terminal Renewable Microgrid Project	\$4,985,272	\$0	\$4,629,936	87.84	Finalist
6	Electric Power Research Institute	Adaptive Microgrid (AM) with Energy Storage, Synchronous Condenser, and with AC and DC Outputs	\$4,998,345	\$0	\$3,502,754	87.55	Finalist
7	Handbook Holdings, LLC	Chemehuevi Indian Reservation Microgrid	\$4,992,359	\$0	\$8,401,154	87.25	Finalist
8	SIA Solutions 8(a) SDB, MBE, DBE	Edwards Air Force Base-West Wolfe Advanced Microgrid	\$4,999,995	\$0	\$6,663,802	87.10	Finalist
9	TRC Engineers, Inc.	Beale Microgrid Resiliency Project (BMRP)	\$4,999,986	\$0	\$6,206,412	82.90	Finalist
10	The Pechanga Band of Luiseno Indians	Tribal Energy Adoptive Microgrid System (TEAMS) – Pechanga Tribal Utility Microgrid	\$5,000,000	\$0	\$1,050,000	79.45	Finalist
11	San Manuel Band of Mission Indians	High-Penetration Renewable Microgrids and DER for Community Service Infrastructure at the San Manuel Band of Mission Indians Reservation	\$5,000,000	\$0	\$1,000,000	74.50	Finalist
Total			\$39,975,957	\$0	\$38,547,705		



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Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
Did Not Pass							
	GRID Alternatives	The Renewable-Sourced Microgrid at San Pasqual Band of Mission Indians	\$2,880,330	\$0	\$854,510		Did Not Pass
	Consolidated Edison Solutions	Marine Corps Western Regional Energy Initiative (MCWREI)	\$5,000,000	\$0	\$1,257,600		Did Not Pass
	Ameresco, Inc.	Fort Irwin National Training Center Advanced Microgrids Project	\$4,940,062	\$0	\$4,442,565		Did Not Pass
	Rincon Band of Luiseño Indians	Rincon Tribal Microgrid Demonstration Project	\$4,995,000	\$0	\$1,300,000		Did not pass
Total			\$17,815,392	\$0	\$7,854,675		



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Rank Number	Project Applicant	Title	Energy Commission Funds Requested	Energy Commission Funds Recommended	Match Funds	Score	Award Status
<i>Disqualified</i>							
	TechFlow, Inc.	Demonstration of a Standardized, Scalable, High-DER Penetration, Renewable-Based, Resilient Microgrid through the application of TechFlow's Secure G.R.I.D solution at Naval Base San Diego	\$2,982,181	\$0	\$308,891		Disqualified
Total			\$2,982,181	\$0	\$308,891		
Grand Total			\$82,773,530	\$22,000,000	\$74,994,491		