

**DOCKETED**

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<b>Project Title:</b>	Business Meeting Agendas, Transcripts, Minutes, and Public Comments
<b>TN #:</b>	248984
<b>Document Title:</b>	Presentation - Item 8 - Tribal En Banc - California Tribal Energy Resilience Alliance (C-TERA)
<b>Description:</b>	C-TERA Presentation by CEC Staff, Alex Horangic
<b>Filer:</b>	Harrison Reynolds
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
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<b>Docketed Date:</b>	2/27/2023



Photo: Blue Lake Rancheria Microgrid

# California Tribal Energy Resilience Alliance (C-TERA)

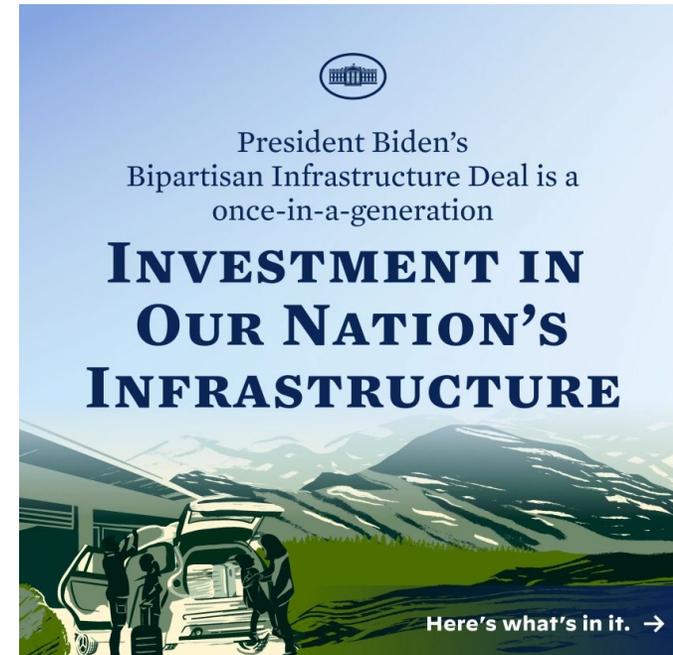
# U.S. DOE Grid Resilience and Innovation Partnerships Program (GRIP)

## GRIP Grid Innovation Program

**\$5 billion available** to deploy projects that use innovative approaches to transmission, storage, and distribution infrastructure to enhance grid resilience and reliability.

### GRIP Purpose

- Enhance grid flexibility and improve resilience of nation's power grid against extreme weather and climate change.
- Accelerate deployment of transformative projects to help ensure reliability of power infrastructure, ensuring all American communities have access to affordable, reliable, clean electricity anytime, anywhere.
- Innovative approaches *e.g.*, advanced technologies, innovative partnerships, deployment of projects planned through innovative processes, etc.

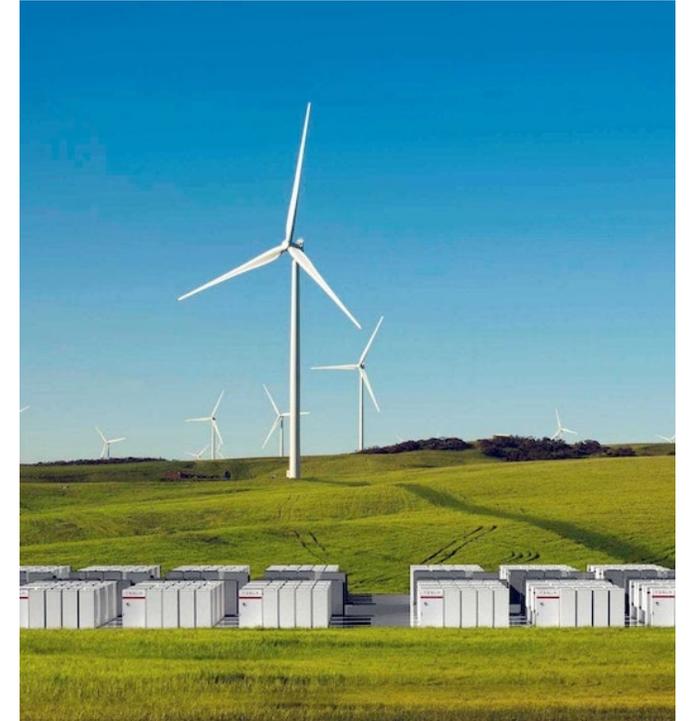


# CEC GRIP Application Focus

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## California Tribal Energy Resiliency Alliance (C-TERA):

- **Develop and deploy a portfolio of grid-serving clean energy projects.**
  - Serve the specific needs of Tribal communities and their critical facilities.
  - Act as resilience and sustainable transportation hubs for surrounding communities.
  - Approx. 10-15 projects totaling \$500M (\$250M federal funds/\$250M state funds).
  - CEC working to identify match funding sources for the application (DEBA, LDES, etc.).
- **Support formation of two Regional Energy Technical Assistance Hubs.**
  - Deliver technical support for C-TERA projects from concept to sustainable operations.
  - Provide services to accelerate the adoption of clean energy solutions, enhance community resilience, support economic and workforce development, and ensure that all Tribes statewide are well positioned to access and benefit from future funding opportunities.



# C-TERA Projects

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## Community Microgrids

- Front-of-meter microgrids for a specific section of the distribution system, with DER integrated at the neighborhood, community, or landscape scale.

## Campus & Facility Microgrids

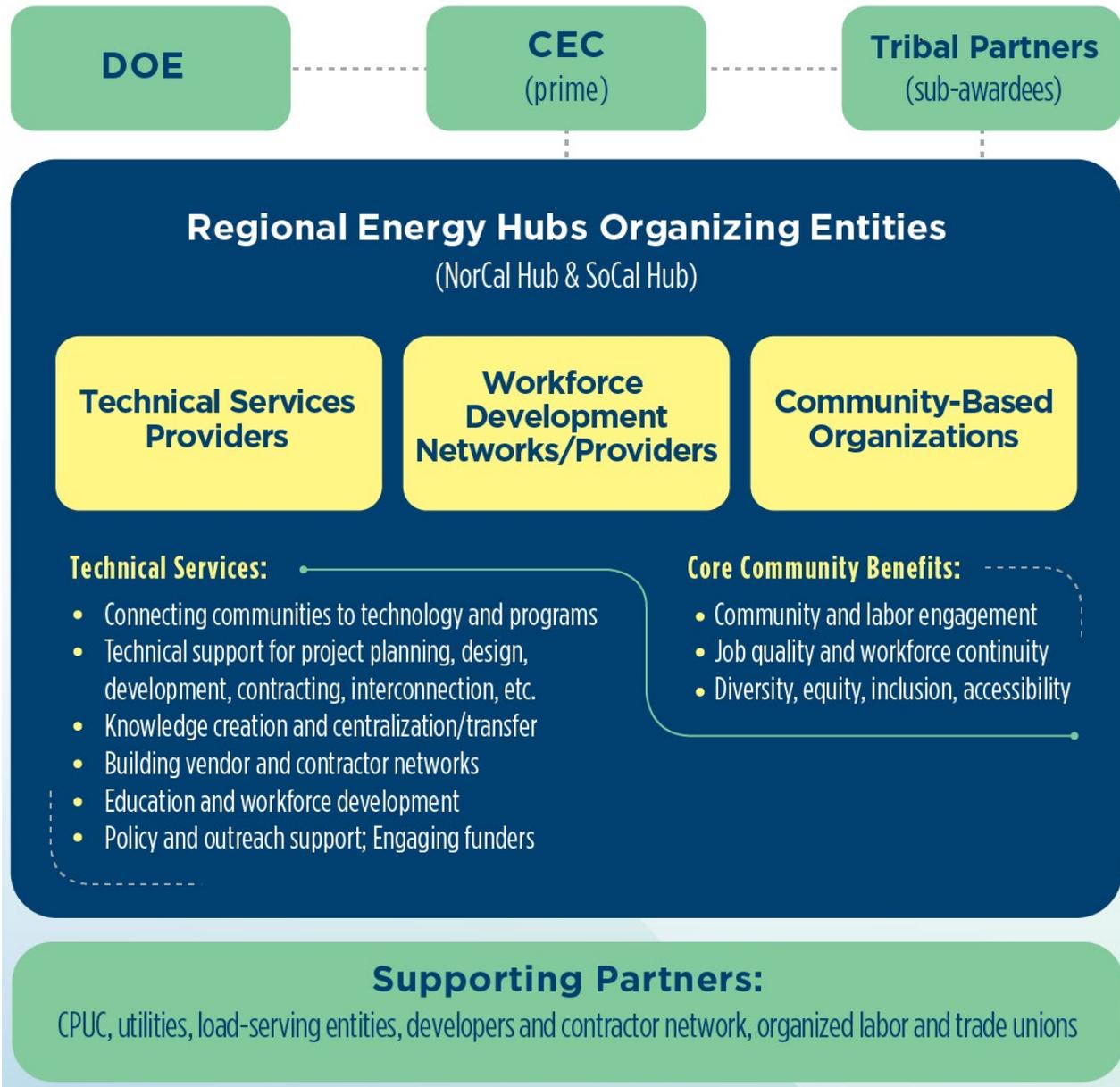
- Behind-the-meter microgrids for a specific building or campus, powered by DER behind the meter. Scale depends on the size of facility, from households to large campuses.

## Sustainable Transportation Hubs

- Strategically located transportation hubs with electric vehicle (EV) charging and other transportation services, situated within a microgrid, that manage power at the point of distribution interconnection.

## Grid-serving Renewable Energy and Storage

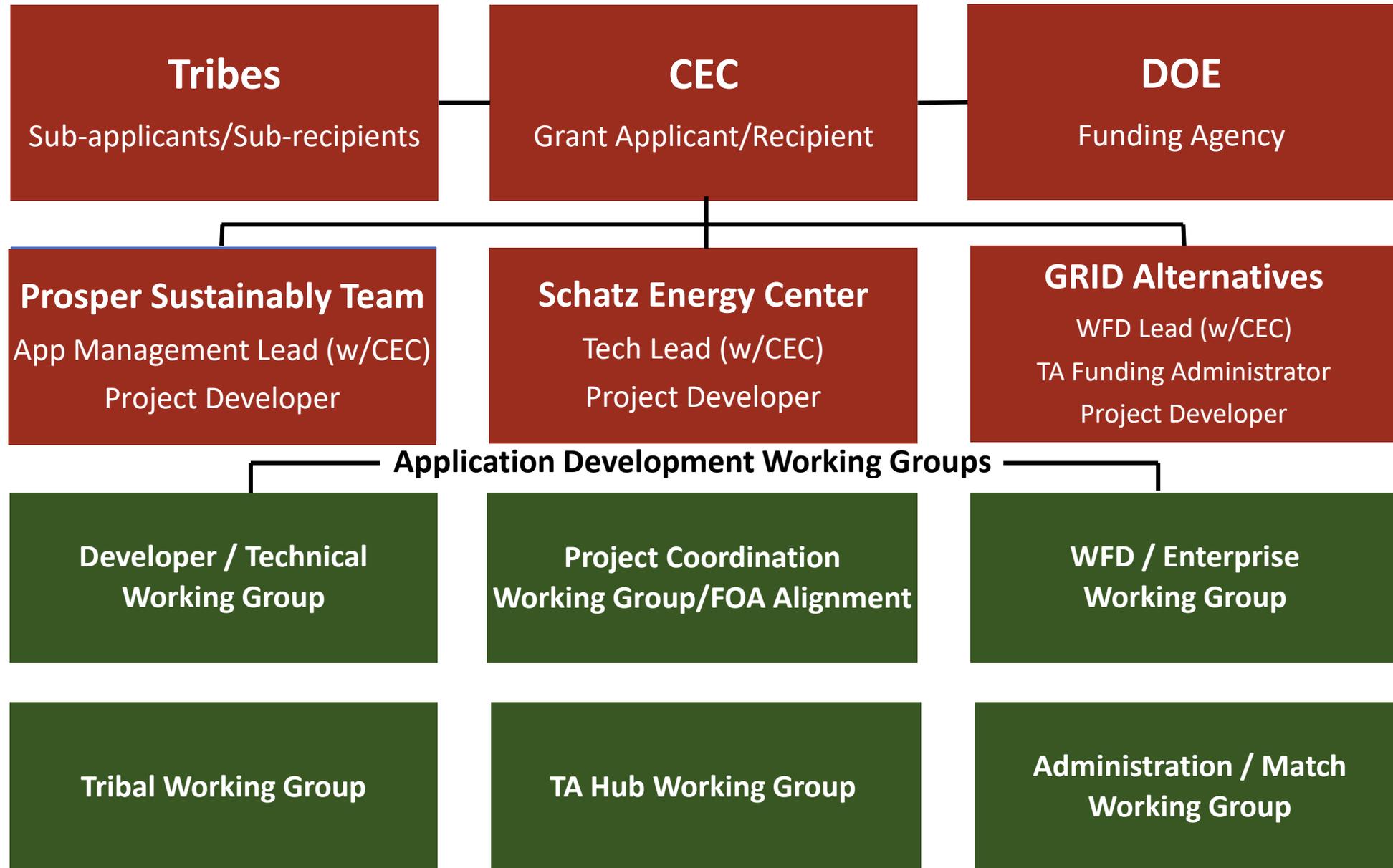
- Distributed renewable generation and energy storage systems, interconnected and managed in ways that provide grid services.



# C-TERA Concept Organization

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# C-TERA Application Team Organization



# C-TERA Timeline

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