



# Tennessee Solar for All Stakeholder Meeting

March 15, 2024

# Agenda

- Updates from EPA
- Clean Energy States Alliance Report Overview
- TDEC and TVA Whiteboarding Session
- Clean Energy Innovator Fellowship Application
- Climate Pollution Reduction Grant Update

## Frequent Questions about Solar for All

Through the \$7 billion Solar for All competition, EPA will award up to 60 grants to states, territories, Tribal governments, municipalities, and eligible nonprofits to expand the number of low-income and disadvantaged communities primed for residential solar investment—enabling millions of low-income households to access affordable, resilient, and clean solar energy.

The Notice of Funding Opportunity for this competition details the application requirements and formally requests applications.

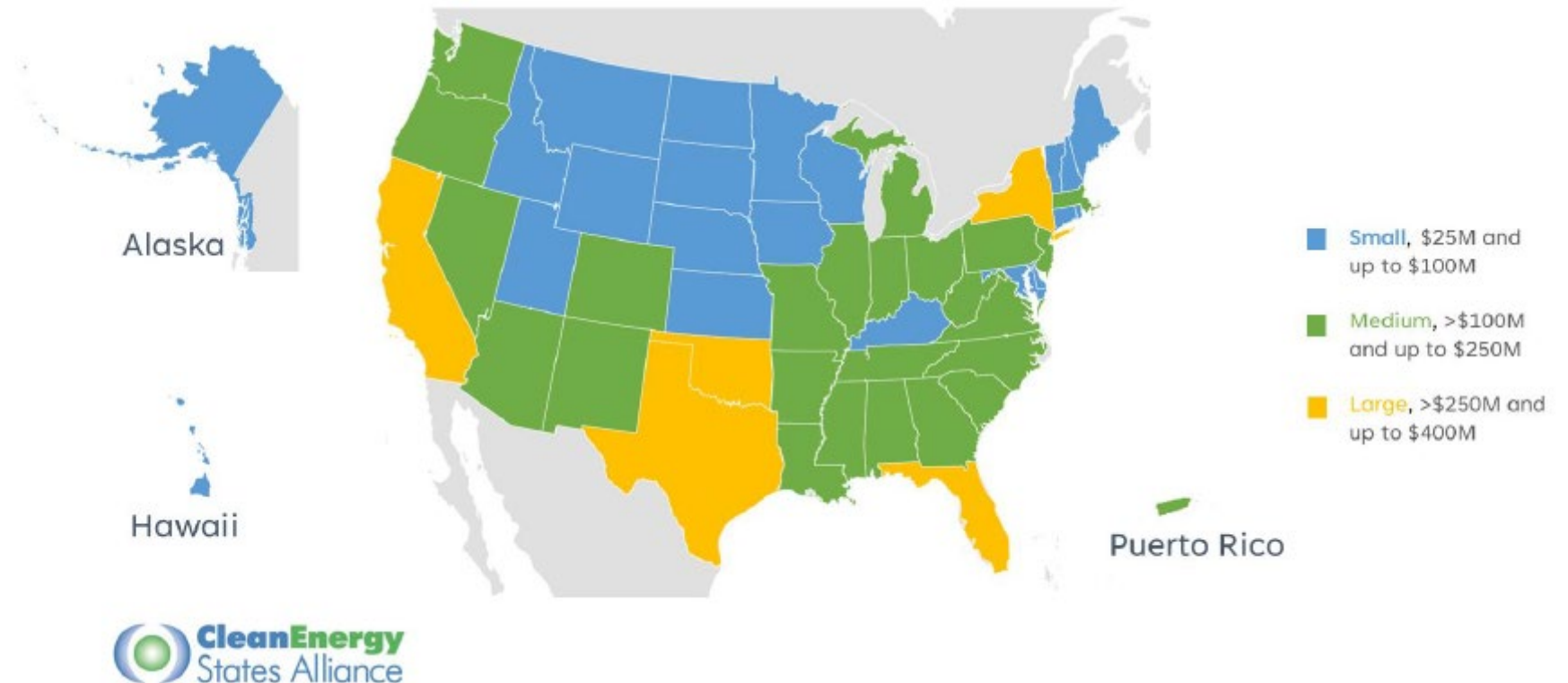
**Note that there will be limited, if any, updates to the frequently asked questions until grantees are selected in Spring 2024.**



# Clean Energy States Alliance Report Overview

- Funding amounts were limited by the total population of disadvantaged census tracts identified by CEJST
- Collectively, for the 35 entities in the report, **over \$6 billion** was requested from EPA

## Solar for All Competitive Grants Maximum Amount Eligibility by State

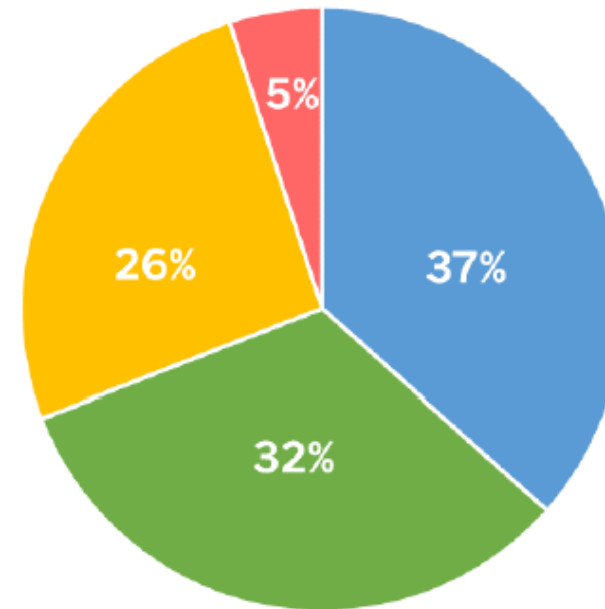


# Clean Energy States Alliance Report Overview

- Community Solar: \$1.4 billion
- Single-family homes: \$1.2 billion
- Multifamily homes: \$986 million
- Other: \$190 million
- *Manufactured homes: \$1 million (<1%)*

## Distribution of Financial Assistance Requested By Solar Sector

This chart only includes programs for which applications provided a dollar value



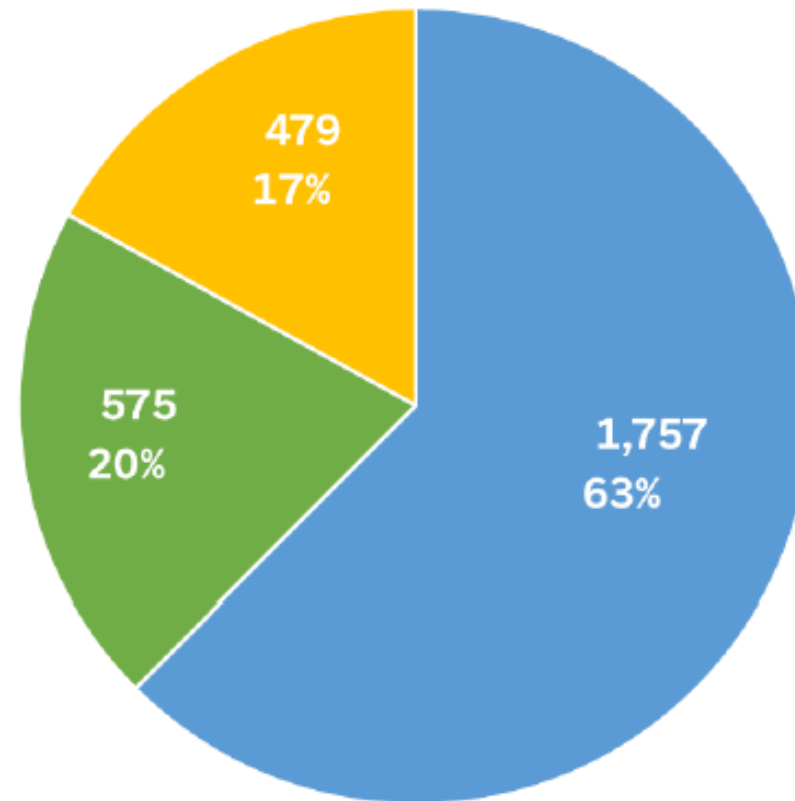
- Community Solar
- Single-Family Homes Solar
- Multi-Family Homes Solar
- Other

# Clean Energy States Alliance Report Overview

- A total of **2,917 MW** of solar capacity requested
- 30 states also proposed battery storage totaling **1,207 MW**

## New Solar Capacity By Sector (MW and %)

This chart only includes programs for which applications provided a capacity value



■ Community Solar ■ Single-Family Homes Solar ■ Multi-Family Homes Solar

# TDEC and TVA Whiteboarding Session

- Live Stream available: Tuesday, March 19<sup>th</sup>, from 9:15 AM – 12:00 PM Central
- Topics:
  - Map out cash flows for different scenario types (e.g., Flexibility, DPP) to be captured by low-income households and how the dollars would flow, particularly considering different scenario rates/pricing, interconnection, and billing
  - With community solar, can it aid other facilities on that feeder? If a system is behind the meter, could it also serve the grid or other facilities if need be? What are the Flexibility 2.0 implications for this?
  - If an LPC has a plan to program its full 5% for flexibility, could SFA still be incorporated or combined with these plans, and if so, how would that work? Do we have any specific examples where LPCs have plans currently in place to fully utilize their full 5%?



# Clean Energy Innovator Fellowship Application

- U.S. DOE Clean Energy Innovator Fellowship (CEIF) program funds recent graduates and energy professionals to support critical energy organizations in advancing clean energy solutions.
- TDEC OEP has submitted an application for a fellow to support the Solar for All Program.

# Questions?

Solar for All questions can be directed to:

Audrey Jackson, Communications Officer  
TDEC Office of Energy Programs  
[Audrey.Jackson@tn.gov](mailto:Audrey.Jackson@tn.gov)



# EPA's Climate Pollution Reduction Grants (CPRG) Program

March 15, 2024

# CPRG Background & Summary

- TDEC is applying for competitive funding available through EPA's Climate Pollution Reduction Grants (CPRG) Program, which provides **\$5 billion** in grants to both develop and implement ambitious plans for **reducing greenhouse gas emissions and other harmful pollutants**.
  - TDEC has submitted a Priority Climate Action Plan (PCAP), funded by CPRG Planning Grants, to EPA for review. **Measures must have been included in an EPA-funded PCAP to be eligible for funding under the CPRG Implementation Grant Program.**
  - TDEC's CPRG Implementation Grants individual application will include the creation of **renewable energy emissions reduction measures** in addition to others in the TN PCAP.
- EPA anticipates awarding approximately 32 to 115 grants ranging between **\$2 million and \$500 million** under this general competition (Implementation Grants).
- Grant projects will run up to five years with award start dates anticipated in October 2024.
- Deadline for Application is **April 1, 2024** at 11:59 p.m. ET.



## TN's Proposed Renewable Energy Program Scope

# TN Renewable Energy Program Scope

**TDEC's Renewable Energy Goal:** Implement commercial-scale solar projects for government and not-for-profit organizations. Projects will range from 500 kW – 5 MW.

- Government entities include Local, State, and Federal.
- Not-for-profit organizations include cooperative utilities, not-for-profit higher education, and hospitals.

Prioritization will be placed on projects that seek to develop solar infrastructure **on buildings or facilities that serve an emergency management or emergency response role**, including:

- Local government emergency management facility
- K-12 school that operates as an emergency shelter
- College campuses

# TN Renewable Energy Program Potential Eligible Costs

- TDEC's proposed CPRG Renewable Energy Program will cover solar infrastructure costs such as:
  - siting
  - design
  - engineering
  - procurement
  - installation
  - interconnection
  - commissioning
  - ongoing operation and maintenance
- TDEC may also include costs associated with enabling upgrades (e.g., rooftop reinforcement), where necessary.
- Configuration options will be allowed behind and in front of the meter.

# TN Renewable Energy Program Potential Eligible Costs

- TDEC will frame prudent guidelines for evaluating energy storage needs based on the level of resiliency that storage is expected to provide.
- **Accompanying energy storage costs would not be covered by CPRG funding.** Subrecipients would fund storage as part of their cost-share.
- Storage would be expected to store solar-generated power to deliver demand response needs, aggregate assets into virtual power plants, and provide power during grid outages.



# Proposed Program Allocation for Solar Projects

<b>CPRG Renewable Energy Program</b>	<b>Total federal funding</b>	<b>\$38,760,000</b>
	Administrative set aside (7%)	\$2,380,000
	Subrecipient financial assistance / project funds	\$34,000,000
	Funding for storage	(\$0.5 million per site to deploy 500 kWh) – <b>Provided as cost share by sub-recipients</b>
	Technical assistance set aside for siting, permitting, and interconnection assistance (7%)	\$2,380,000
	Expected MW of solar to be deployed	27.8 – 30.4 MW DC
	Expected MWh of storage to be deployed	3 – 30 MWh (~500 kWh per site)
	Number of project sites	6 – 60 (project size ranging from 500 kW to 5 MW)

# TN Renewable Energy Program Scope Questions

- TDEC proposes to cover 70% of project costs, although applicants could supplement funding with federal tax credits. Do you have any feedback on this approach?
- Do the proposed applicants and targeted facilities types seem reasonable? Should facilities be prioritized based on current energy consumption or on a building's emergency management, emergency response, or critical infrastructure role?
- Given the 5-year period of performance, do you have any supply chain / workforce capacity concerns with this project?
- LPCs: The program could be behind the meter or in front. For projects in front of the meter, does our proposed program design seem feasible given TVA's Flex 2.0 program? Keep in mind that individual sites would be between 500 kW and 5 MW.

# Deadlines & Next Steps

- Letters of Support – **March 22**
- Deadline for follow-up information (if requested) – **March 22**
  
- For questions regarding TDEC's application and/or partner deadlines, contact:  
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Milepost Consulting  
[jasonp@engagemilepost.com](mailto:jasonp@engagemilepost.com)