

National Community Solar Partnership **ANNUAL SUMMIT**

Community Solar's Time to Shine

JANUARY 19, 2023 San Diego, CA & Virtual



Welcome

Housekeeping/Online Engagement

- This meeting is being recorded
- This event is hybrid please engage with Mentimeter!

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Agenda

Time	Topic
1:00 p.m.	Welcome to the Summit!
1:25 p.m.	Celebrating Success: Recognizing Champions of Equitable Community Solar
2:00 p.m.	Break
2:15 p.m.	All Hands on Deck: Building Capacity for Community Solar's Renaissance
3:00 p.m.	Eyes on the Prize: Accessing Capital to Accelerate Equitable Deployment
3:45 p.m.	Break
4:15 p.m.	Putting the Customer First: Expanding Equitable Access to Community Solar
5:00 p.m.	The Soul of Community Solar: Centering Meaningful Benefits for a Just Transition
5:45 p.m.	Closing Comments
6:00 p.m.	Networking



Nicole Steele

Program Manager, U.S. Department of Energy Solar Energy Technologies Office

National Community Solar Partnership (NCSP)

Pathway to Success

TECHNICAL EXPERTISE AND CAPACITY BUILDING



STATE ENGAGEMENT



ACCESS TO CAPITAL



CUSTOMER ENGAGEMENT



EDUCATION AND OUTREACH



NCSP TARGET

5 million households and \$1 billion in savings by 2025

Resulting in...

- ★ An average 20% energy bill reduction
- ★ 700% increase in community solar capacity
- ★ Meaningful benefits such as resilience, career opportunities, and community wealth building



Garrett Nilsen

Deputy Director, U.S. Department of Energy Solar Energy Technologies Office

Solar Energy Technologies Office Overview

MISSION

We accelerate the advancement and deployment of solar technology in support of an equitable transition to a decarbonized energy system by 2050, starting with a decarbonized power sector by 2035.

WHAT WE DO

Advance solar technology and drive soft cost reduction to make solar affordable and accessible for all Americans

Enable solar to support grid reliability and pair with storage to provide new options for community resilience

Support job growth,
manufacturing, and the circular
economy in a wide range of
applications

Jeff Marootian



Senior Advisor for Energy Efficiency and Renewable Energy,
Office of the Secretary, U.S. Department of Energy

David Turk



Deputy Secretary, U.S. Department of Energy

Recorded Remarks



Sunny Awards for Equitable Community Solar

Prize Purpose

 Recognize community solar projects and programs that employ or develop best practices to increase equitable access to the meaningful benefits of community solar

Eligibility

- Community solar project or program based in the United States or its territories
- Provides at least one of the 5 primary meaningful benefits
- Energized for at least 6 months
- Serves at least some residential customers
- No size requirements

Prizes

- \$1,000 Finalist Prize
- \$10,000 Grand Prize
- Meaningful Benefit Category Special Recognition



Meaningful Benefits of Community Solar



GREATER HOUSEHOLD SAVINGS

 Provide a reduction in electricity bills for residential subscribers to a project



LMI HOUSEHOLD ACCESS

Include subscribers from low- to moderate-income (LMI) households



RESILIENCE AND GRID BENEFITS

 Include the capability to deliver power to households and/or critical facilities during a grid outage or strengthen grid operations

J40 Priority: Increase Energy Resiliency



COMMUNITY OWNERSHIP

- Local community members, subscribers, or local community organizations own or have equity in the project
- Other wealth-building strategies

J40 Priority: Increase Energy Democracy



EQUITABLE WORKFORCE DEVELOPMENT

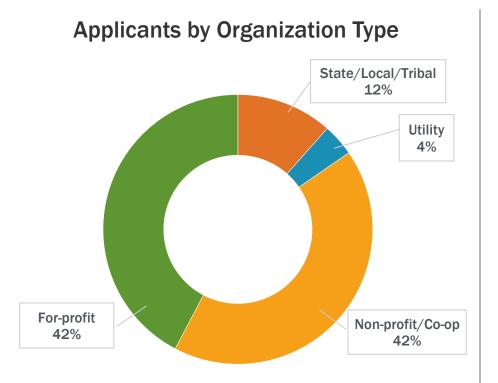
- Advance high wages
- Reduce income disparities across race and gender
- Ensure a trained and available workforce reflective of the project community

J40 Priority: Increase Clean Energy Jobs

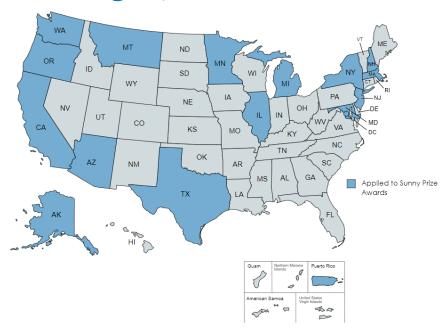
J40 Priority: Reduce Energy Burden J40 Priority: Increase Parity in Clean Energy

Justice40 directs 40% of the overall benefits of certain Federal investments to flow to disadvantaged communities (www.energy.gov/diversity/justice40-initiative)

Submissions Overview

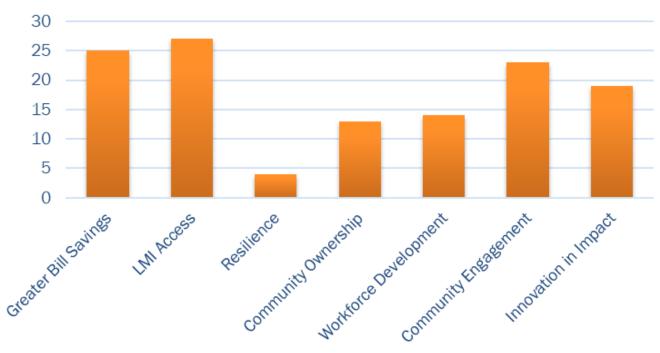


Applications came from **15 states**, **Washington**, **D.C.**, and **Puerto Rico**



Submissions Overview (cont'd)





Sunny Awards Finalists

Sunny Awards Finalists

Sunny Awards **finalists** are projects and programs that met the minimum requirements in at least one Meaningful Benefit category, had been energized for at least 6 months, and included at least some residential subscribers.



31 submissions awarded



418 MW of capacity



63 partner organizations

Sunny Award Finalists

1 Catherine Street Community Solar Solar Landscape LLC, Teterboro, NJ

Boston Properties - CityPoint - 500 Totten Pond Sunwealth Power LLC, Waltham, MA

Citizens Imperial Solar Citizens Energy Corporation, Calipatria, CA

Common Energy, New York, NY

Community Power Solar One, Brooklyn, NY

Community Solar Clearinghouse Solution Program *Metropolitan Mayors Caucus, Chicago, IL*

Dividends Return Commons Model People Power Solar Cooperative, Oakland, CA

Dunbar Solar Commons Solar Commons, Tucson, AZ

Faribault Community Solar Cooperative Energy Futures, Faribault, MN Haven Community Solar Project Cooperative Energy Futures, Saint Cloud, MN

Heart Butte Community Solar

Bonneville Environmental Foundation, Heart Butte, MT

Hummingbird Community Solar Project

Olympia Community Solar, Olympia, WA

Illinois Guaranteed Savings Program

Clearway Community Solar, Illinois

Illinois Solar for All
Illinois Power Agency, Champaign, IL

JOE-4-SUN Low-Income Community Shared Solar:

Ashland Solar Project

Citizens Energy Corporation, Ashland, MA

JOE-4-SUN Low-Income Community Shared Solar:

Falmouth Solar Project

Citizens Energy Corporation, Falmouth, MA

Longview Garage Canopy for City of White Plains DSD Renewables, White Plains, NY

Sunny Award Finalists

National Blue Army Shrine of Our Lady of Fatima

Sunwealth Power LLC, Franklin, NJ

New Hampshire Solar Shares
Plymouth Area Renewable Energy Initiative, Plymouth, NH

New York City Housing Authority Solar Portfolio Sunwealth Power LLC, New York, NY

Oregon Shakespeare Festival Community Solar Oregon Clean Power Cooperative, Talent, OR

Santa Rosa Community Solar Project *GRID Alternatives, Idyllwild, CA*

SharePower Community Solar Project at the Monastery of Our Lady of Mt. Carmel Groundswell Inc., Washington, District of Columbia, United States

Shiloh Temple Community Solar Cooperative Energy Futures, Minneapolis, MN Shungnak-Kobuk Solar Battery Independent Power Producer

Northwest Arctic Borough, Shungnak, AK

Hummingbird Community Solar Project Olympia Community Solar, Olympia, WA

Solar for All

Department of Energy and Environment, Washington, DC

Temple Emunah Community Shared Solar Resonant Energy, Lexington, MA

Tuckahoe Housing Authority UGE International, Tuckahoe, NY

Urbana Solar Nexamp, Urbana, IL

Vieques Microgrid

Community Through Colors, Vieques Municipality, PR

White Marsh Community Solar Farm Nautilus Solar Energy LLC, Kingsville, MD

Sunny Awards Meaningful Benefits Category Special Recognition

Sunny Awards Meaningful Benefit Category Special Recognition Winners

Sunny Awards Meaningful Benefit Category Special Recognition Winners are projects and programs that demonstrated best practices in

Winners are projects and programs that demonstrated best practices in delivering benefits in at least one of seven categories.



17 submissions awarded



11 MW/ Nearly 3 million Households Equivalents



13 states, districts, or territories represented

Greater Household Savings

Community solar projects and programs should provide at least a 20% reduction in electricity bill savings or other household savings to residential subscribers.



Greater Household Savings Winners

Boston Properties - CityPoint - 500 Totten Pond

Waltham, MA

Lead Organization: Sunwealth Power LLC

Illinois Solar for All

Illinois

Lead Organization: Illinois Power Agency

SharePower Community Solar Project at the Monastery of Our Lady of Mt. Carmel

Washington, D.C.

Lead Organization: Groundswell

Low- to Moderate-Income Household Access

Community solar projects and programs should reserve at least 40% capacity for and be accessible to low- to moderate-income (LMI) households.



Low- to Moderate-Income Access

Illinois Solar for All

Illinois

Lead Organization: Illinois Power Agency

Santa Rosa Community Solar Project

Idyllwild, CA

Lead Organization: GRID Alternatives

Partner Organizations: Santa Rosa Band of Cahuilla Indians, Anza Electric

Cooperative Inc.

White Marsh Community Solar Farm

Kingsville, MD

Lead Organization: Nautilus Solar Energy LLC

Resilience & Grid Benefits

Community solar projects and programs include the capability to deliver power during a grid outage, such as storage and microgrids, or strengthening grid operations through demand response and other actions.



Resilience & Grid Benefits Winner

Oregon Shakespeare Festival Community Solar

Talent, OR

Lead Organization: Oregon Clean Power Cooperative

Partner Organization: Solarize Rogue

Community Ownership

Community solar projects and programs should include an option for community ownership of project assets or other avenues for building communal wealth in connection with the community solar facility.



Community Ownership

Dividends Return Commons Model

Oakland, CA

Lead Organization: People Power Solar Cooperative

Hummingbird Community Solar Project

Olympia, WA

Lead Organization: Olympia Community Solar

Oregon Shakespeare Festival Community Solar

Talent, OR

Lead Organization: Oregon Clean Power Cooperative

Partner Organization: Solarize Rogue

Equitable Workforce Development

Community solar projects and programs should include local job creation, workforce development programs, or otherwise provide pathways to high quality careers in the solar industry.



Equitable Workforce Development

1 Catherine St. Community Solar

Teterboro, NJ

Lead Organization: Solar Landscape LLC

Partner Organization: Sustainable Jersey City

Urbana Solar

Urbana, IL

Lead Organization: Nexamp

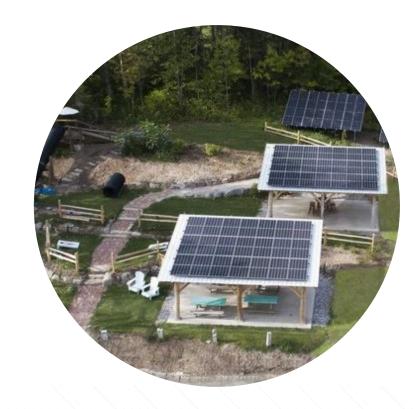
Partner Organizations: City of Urbana, Embarras River Basin Agency (ERBA),

CEFS Economic Opportunity Corporation, Community Action Partnership of

Central IL (CAPCIL), National Community Action Partnership, Marcfirst

Innovation in Community Engagement

Community solar projects and programs should demonstrate innovative and replicable inclusive and authentic community engagement practices that enable community input to drive project outcomes.



Innovation: Community Engagement

Community Solar Clearinghouse Solution Program

Chicago, IL

Lead Organization: Metropolitan Mayors Caucus

Partner Organizations: MC Squared Energy Services LLC, The Power Bureau,

North Shore Electric Aggregation Consortium

Hummingbird Community Solar Project

Olympia, WA

Lead Organization: Olympia Community Solar

New Hampshire Solar Shares

Plymouth, NH

Lead Organization: Plymouth Area Renewable Energy Initiative

Partner Organizations: NH Electric Cooperative, Lakes Region Conservation

Trust, Granite United Way, Squam Lakes Conservation Society, Center Harbor

Energy Commission

Innovation in Impact

Community solar projects and programs should deliver an innovative and replicable meaningful benefit that is not already included in the Meaningful Benefit Categories



Innovation: Impact

Community Solar Clearinghouse Solution Program

Chicago, IL

Lead Organization: Metropolitain Mayor Caucus

Partner Organization: MC Squared Energy Servies LLC, The Power Bureau,

North Shore Electric Aggregation Consortium

Heart Butte Community Solar

Urbana, IL

Lead Organization: Bonneville Environmental Foundation

Partner Organizations: Heart Butte School, GRID Alternatives, Glacier Electric

Cooperative

Sunny AwardsGrand Prizes

Sunny Awards Grand Prize Winners

Sunny Awards **Grand Prizes** are projects and programs that demonstrated best practices and innovation in delivering benefits across multiple Meaningful Benefit categories.



5 submissions awarded



Provides \$4.3 Million in Savings



Serve 7,300 low- to moderate-income households



Community Power: Jobs & Savings for LMI Households

- Location: Brooklyn, New York
- Lead Organization: CEC Stuyvesant Cove, Inc. dba Solar
 One
- Partner Organizations: WE ACT for Environmental Justice, Brooklyn Movement Center, Co-op Power, Sunwealth, Accord Power, Green City Force, Con Edison, NYCHA
- Categories Recognized: Greater
 Household Savings, LMI Household Access, Equitable
 Workforce Development, Community Ownership,
 Community Engagement, Innovation in Impact



JOE-4-SUN Non-Profit Community Solar: Ashland

- Location: Ashland, Massachusetts
- Lead Organization: Citizens Energy Corporation
- Categories Recognized: Greater Household Savings, LMI Household Access, Equitable Workforce Development, Community Ownership, Community Engagement, Innovation in Impact



Faribault Community Solar

- **Location:** Faribault, Minnesota
- Lead Organization: Cooperative Energy Futures
- Categories Recognized: Greater Household Savings, LMI Household Access, Equitable Workforce Development, Community Ownership, Community Engagement, Innovation in Impact



District of Columbia's Solar for All

- Location: Washington, DC
- Lead Organization: DC Department of Energy and Environment (DOEE)
- Partner Organizations: District of Columbia Sustainable Energy Utility, Groundswell
- Categories Recognized: Greater Household Savings, LMI Household Access, Equitable Workforce Development, Community Ownership, Community Engagement, Innovation in Impact



Shungnak-Kobuk Community Solar Battery

- Location: Shungnak, Alaska
- Lead Organization: Northwest Arctic Borough
- Partner Organizations: NANA Regional Cooperation,
 Deerstone Consulting, Alaska Native Renewable
 Industries, Native Village of Shungnak, Native Village of
 Kobuk
- Categories Recognized: Greater Household Savings, LMI Household Access, Resilience and Grid Benefits, Community Ownership, Community Engagement, Innovation in Impact

Thank you, Competitors!



All Hands on Deck: Building Capacity for Community Solar's Renaissance

Nicole Steele, U.S. Department of Energy Trisha Miller, White House Climate Policy Office What is the Community Power Accelerator?

Goals:

- **Standardize** equitable access to community solar financing,
- Expand capacity and expertise for community-led, community-focused deployment, and
- Build a robust project pipeline with meaningful benefits

Community Power Accelerator Ecosystem

Lender and Investors

Philanthropy

Developers

Community-based Organizations

Technical Assistance Experts

NCSP Team

Community Power Accelerator Partner Roles

Investors and Lenders – Finance community solar projects with meaningful benefits

Philanthropy – Support project gap needs, pre-predevelopment organizational support, and other mission-aligned needs

Developers and Co-Developers – Expand capacity and expertise for community-based deployment while integrating meaningful benefits

Technical Assistance Experts – Support developers to complete the Credit-Ready Checklist and Project Profiles, and other support

NCSP Team – Develop resources and tools, convene stakeholders, disseminate goals and best practices

Community Power Accelerator Elements

Online Platform with Partner Commitments

Credit-Ready
Checklist,
Organization and
Project Profiles

Community Power Learning Lab

Philanthropy-Ready Guide

Technical
Assistance
Programming

Prize Funding

Community Power Accelerator Inaugural Partners





THE KRESGE FOUNDATION



Wells Fargo Foundation

Enhanced Capital





















Raise Green



Coastal Enterprises

















All Hands on Deck: Building Capacity for Community Solar's Renaissance



Nicole Steele
U.S. Department
of Energy



Trisha Miller
White House Domestic
Climate Policy Office

Eyes on the Prize: Accessing Capital to Accelerate Equitable Deployment

Robin Burton, National Renewable Energy Laboratory

Eyes on the Prize: Accessing Capital to Accelerate Equitable Deployment



Christopher King, Reactivate Moderator



Joe Evans, Kresge



Greg
Leventis,
Lawrence
Berkeley
National
Laboratory



Kerry O'Neill, Inclusive Prosperity Capital



Franz Hochstrasser, Raise Green



Putting the Customer First: Expanding Equitable Access to Community Solar

Ariel Drehobl, U.S. Department of Energy

Putting the Customer First: Expanding Equitable Access to Community Solar



Chris Nichols, Renewables Forward Moderator



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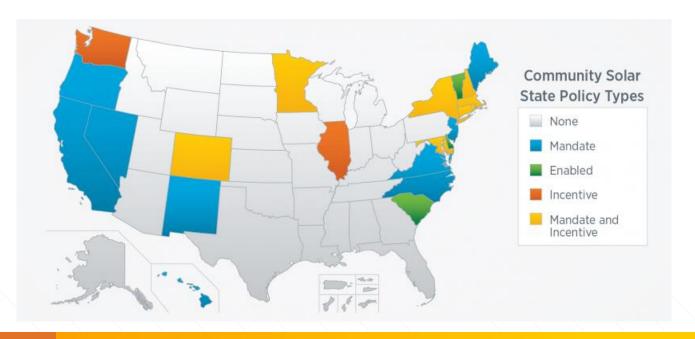
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Which States Offer LI CS Policies?



- 22 states & DC have policies that support community solar
- 39 states, DC and Puerto Rico host at least one community solar project
- Provisions for Low-Income residential access and subscription cost support vary widely



Putting the Customer First: Expanding Equitable Access to Community Solar



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The Soul of Community Solar: Centering Meaningful Benefits for a Just Transition

Julia Ostapiej, U.S. Department of Energy

The Soul of Community Solar: Centering Meaningful Benefits for a Just Transition



Yasmin Yacoby, U.S. Department of Energy



Ingemar Mathiasson, Northwest Arctic Borough



Gretchen Bradley, Solar One



Tess McKenna, Citizens Energy



Pouya
Najmaie,
Cooperative
Energy
Futures



Jennifer
Richmond,
DC
Department
of Energy and
Environment

Closing Remarks

Staying Engaged

Join the Community Power Accelerator: communitypower.energy.gov



Apply to compete for the \$10M Community Accelerator Prize: www.herox.com/CommunityPowerAccelerator

Register to attend the NCSP Impact Report webinar on Tuesday, March 7:

Bit.ly/3GR4uDx

Join the National Community Solar Partnership

