



Lynn Abramson

President
Clean Energy Business Network



Eric Foster

VP, Business Development & Strategy
Banks and Company



the small business voice for the clean energy economy



Policy Support



Market & Technology Education



Business
Development
Assistance

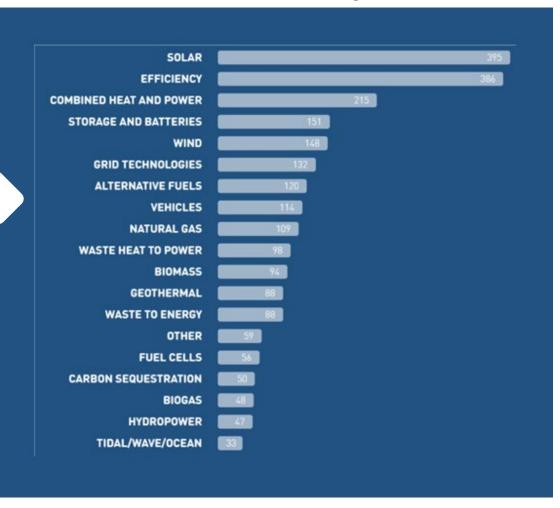


OUR REACH

6,000+ small and midsize business leaders across 50 states



Diverse technologies







KEY RESOURCES

- **CEBN Email Listserv**
- U.S. Cleantech Funding Database
- Breaking Down the Bipartisan Infrastructure Law
- **Insight into Federal Programs**
- **JEDI Action Center**
- 1:1 Office Hours Booking Page



CLEANTECH FUNDING DATABASE



2,767,000,000

Value of Resources

Featured

422

2,300

Opportunities Highlighted

Database Users



Senator Lena Taylor
Wisconsin State Senate
District 4

PANELISTS

- Senator Lena Taylor, Wisconsin State Senate District 4 (Moderator)
- Manny Oliver, Director, Office of Small Business Innovation Research/Small Business Technology Transfer Programs, U.S. Department of Energy
- **Kimberlee Ott**, Incubator, Accelerator, and University Partner Engagement Lead, <u>National Renewable Energy</u> <u>Laboratory</u> & <u>American-Made Program</u>
- **H. Camille Crain**, BRIC Section Chief, <u>Building Resilient Infrastructure and Communities Program</u>, Federal Emergency Management Agency (FEMA)
- Christopher McLean, Acting Administrator, Rural Utilities Service at the U.S. Department of Agriculture (USDA)
- Esteban Perez, Director of LTNtech, Illinois Hispanic Chamber of Commerce
- Kirsten Verclas, Managing Director, National Association of State Energy Officials



Manny Oliver
Director, Office of SBIR/STTR Programs
U.S. Department of Energy

Small Business Innovation Research (SBIR) & Small Business Technology Transfer (STTR) Programs at the Department of Energy

SBIR Goals

- Stimulate technological innovation; use small business to meet Federal R&D needs
- Foster and encourage participation by women and socially and economically disadvantaged persons in technological innovation
- Increase private-sector commercialization of innovations derived from Federal R&D
- STTR Goals
 - Stimulate innovation through cooperative R&D carried out between small business concerns and research institutions
 - Foster technology transfer between small business concerns and research institutions
- Eligibility
 - Limited to U.S Owned, For Profit Small Businesses (500 or fewer employees)
- Program Phases
 - Phase I, Proof of Concept Research, 6-12 months, up to \$250,000
 - Phase II, Process/Prototype Research and Development, up to 2 years, up to \$1,600,000

Schedule and Additional Information



Fiscal Year 2023 Phase I Solicitation Schedule

Phase I Solicitation Topics Issued		Solicitation Issued	Applications Due	Award Notification		
Release 1	July 11, 2022	August 8, 2022	October 11, 2022	January 3, 2023		
Release 2	November 7, 2022	December 12, 2022	February 21, 2023	May 15, 2023		

Clean Energy → Focus

- Assistance for First Time Applicants
 - Phase 0 Application Assistance program (https://www.dawnbreaker.com/doephase0/)
- Contact Us
 - Telephone: 301-903-5707
 - Email: <u>sbir-sttr@science.doe.gov</u>
 - DOE SBIR/STTR Website: https://science.osti.gov/sbir
 - You can join our mailing list on our homepage, and review past topics



Kimberlee Ott
Incubator, Accelerator, and University Partner
Engagement Lead
National Renewable Energy Laboratory
& American-Made Program



Funding Opportunities

June 28, 2022 Kimberlee Ott National Renewable Energy Laboratory Innovation Network Manager



SUPERCharge A REVOLUTION OF BOLD IDEAS

Fast track your ideas for the clean energy revolution





\$100M in cash prizes and support



30+
prizes



250+
Network
members

About Prizes

Make a Plan

READY!

~4 months

20 - 40 Ready! Winners (max \$50,000 each)

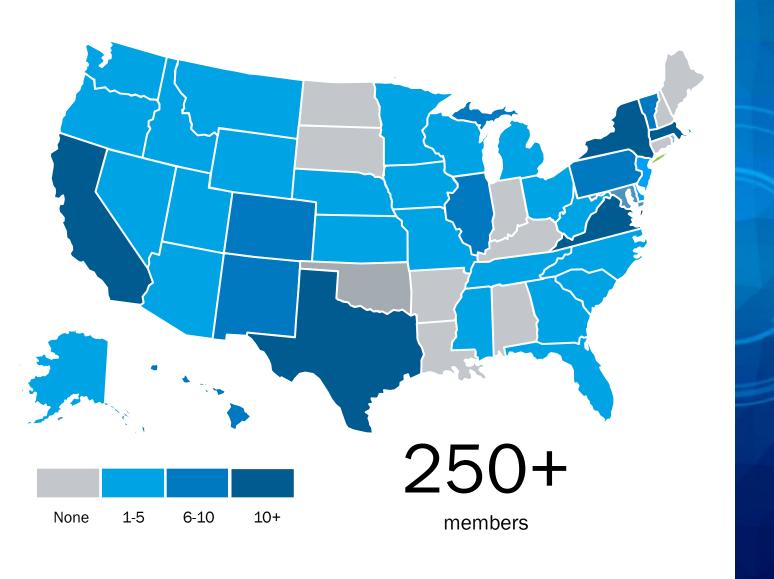
Who: You! Innovators, Businesses, Universities +

 What: Cleantech Business Competition, where winners receive cash awards from \$10K-\$200K+

When: All throughout the year!

 How: Funded by DOE and administered by NREL to accelerate innovation across solar, wind, water, geothermal, buildings and more within the U.S.

American-Made NETWORK



Provide Support in:

- Outreach
- Recruiting innovators and Connectors
- Mentoring
- Technical support
- Business support
- Financial support





Camille Crain

BRIC Section Chief

Building Resilient Infrastructure and Communities Program

Federal Emergency Management Agency (FEMA)



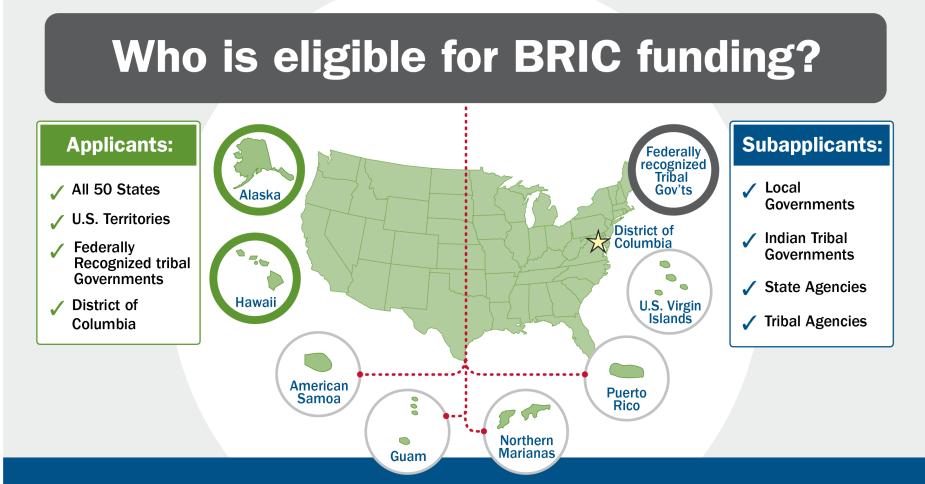


BRIC FY21 Priorities

- Mitigate the risk to public infrastructure
- Incentivize resilient investments in disadvantaged communities, as referenced in Executive Order 14008 (Tackling the Climate Crisis at Home and Abroad)
- Mitigate risk to one or more community lifelines
- Incorporate nature-based solutions
- Enhance climate resilience and adaptation
- Incentivize the adoption and enforcement of the latest published editions of building codes

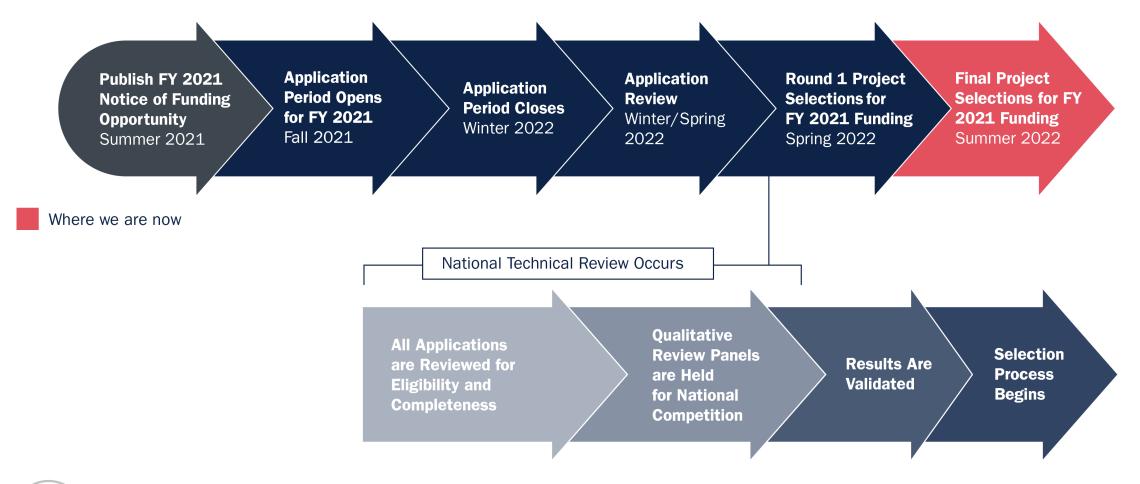
BRIC encourages mitigation projects that meet multiple program priorities

BRIC Applicant and Subapplicant Eligibility





BRIC Fiscal Year (FY) 2021 Application Review





BRIC Program Support Materials

- BRIC Website
- FY 2021 BRIC Notice of Funding Opportunity
- BRIC Resources
 - BRIC Technical Criteria
 - BRIC Qualitative Criteria
 - BRIC Building Codes Activities
 - BRIC Mitigation Planning Activities
 - BRIC Partnership Activities
 - BRIC Project Scoping Activities
 - BRIC Phased Projects
 - BRIC Direct Technical Assistance
 - BRIC Tribal Information
 - BRIC Project Application Tips
 - Mitigation Action Portfolio

www.fema.gov/bric

Need Help?

General questions about the BRIC program can be directed to the appropriate <u>State Hazard Mitigation Officer</u> or <u>FEMA Regional</u> Office.

- General BRIC Questions and State Application Deadlines:
 State Hazard Mitigation Officer
- FEMA GO Helpline: femago@fema.dhs.gov or 1-877-585-3242
- Benefit Cost Analysis (BCA) Helpline: BCHelpline@fema.dhs.gov or 1-855-540-6744
- Feasibility and Effectiveness Helpline:
 FEMA-BuildingScienceHelp@fema.dhs.gov
- Environmental and Historic Preservation:
 EHPHelpline@fema.dhs.gov or 1-866-222-3580
- Hazard Mitigation Assistance (HMA) Helpline:
 1-866-222-3580



Thank you!

FEMA.gov/bric





Christopher McLean

Acting Administrator

Rural Utilities Service

U.S. Department of Agriculture (USDA)



Introduction to USDA's
Rural Development
Programs supporting
Energy, Electricity,
Efficiency and Renewable
Power.

Christopher A. McLean Acting Administrator Rural Utilities Service June 27, 2022



Rural Development's (RD) Mission

USDA Rural Development

Committed to helping improve the economy and quality of life in rural America.

- Provide loans, grants, and loan guarantees that support essential services, such as:
 - Housing
 - Economic Development
 - Health Care
 - First Responder Services and Equipment
 - Water, Electric, and Telecommunications Infrastructure







Rural Development Background

Rural Development includes 3 agencies with unique programs and objectives:

- Rural Utilities Service (RUS)
- Rural Housing Service (RHS)
- Rural Business-Cooperative Service (RBCS)
- Across the three agencies, Rural Development administers over 40 programs.
 - RUS Electric & Telecommunications programs are administered by National Office
 - RUS Water, RHS and RBCS programs are administered by State & National Offices

Energy Business Opportunities Throughout USDA/RD

USDA's 3 Rural Development (RD) Agencies each have exciting Energy-related business and economic development opportunities for rural communities.

- RBCS Business & Industry (B&I) Loan Guarantees and Grants
 - Rural Energy for America (REAP) Loan Guarantees and Grants for renewable and energy efficiency projects
 - Bio-Refinery Program
 - Rural Economic Loan and Grand Program (REDLG) (general economic development relending)
- RHS -- Single Family & Multi-family Housing finance for purchase and improvement Community Facilities loan and grant program for municipal, tribal and non-profits
- RUS -- Infrastructure loans for every aspect of rural electric utility investment including distribution, transmission, generation, smart grid, renewables, electricity storage and energy efficiency

 Rural Energy Savings Program energy efficiency relending. Zero % loan to utility or utility-like energy efficiency entity and non more than 5% rate for consumer,

WWW.USDA.GOV

USDA has staff serving all 50 states as well as territories and compact of free association communities

RUS Electric and Telecom program have General Field Representatives scattered around the nation assigned to help borrowers, awardees and applicants navigate our programs.

There are USDA State Offices of Rural Development who implement RHS, RBCS and RUS Water programs.

Feel Free to contact me at HQ if you have any questions.

Christopher.McLean@usda.gov





Esteban PerezDirector of LTNtech
Illinois Hispanic Chamber of Commerce





ILLINOIS PIACE

1871 LTNtech Founders

- Business Plan Development
- Financial Expertise
- LLC and Corp Setup

- Procurement and Gov Bidding
- Minority/Women/Veter an/ owned business certifications
- Compliance

- Founders that are Latinx
- Comprehensive Entrepreneurship Education (PYROS)
- Meet VC and Private Equity



Kirsten Verclas
Managing Director
National Association of State Energy Officials
(NASEO)



CEBN Federal Energy Innovation Programs 101 June 18, 2022



About NASEO

- The only national non-profit association for the governor-designated energy officials from each of the 56 states and territories
- Serves as a resource for and about the State Energy Offices through topical committees, regional dialogues, and informational events that facilitate peer learning, best practice sharing, and consensus building
- Advances the interests of the State and Territory Energy Offices before Congress and the Administration
- Learn more at <u>www.naseo.org</u>

NASEO Board of Directors

Chair: Kelley Smith Burk, Florida

Vice-Chair: John Williams, New York
Treasurer: Molly Cripps, Tennessee

Secretary: Will Toor, Colorado

Past Chair: Andrew McAllister, California Parliamentarian: Jason Lanclos, Louisiana

Regional Representatives:

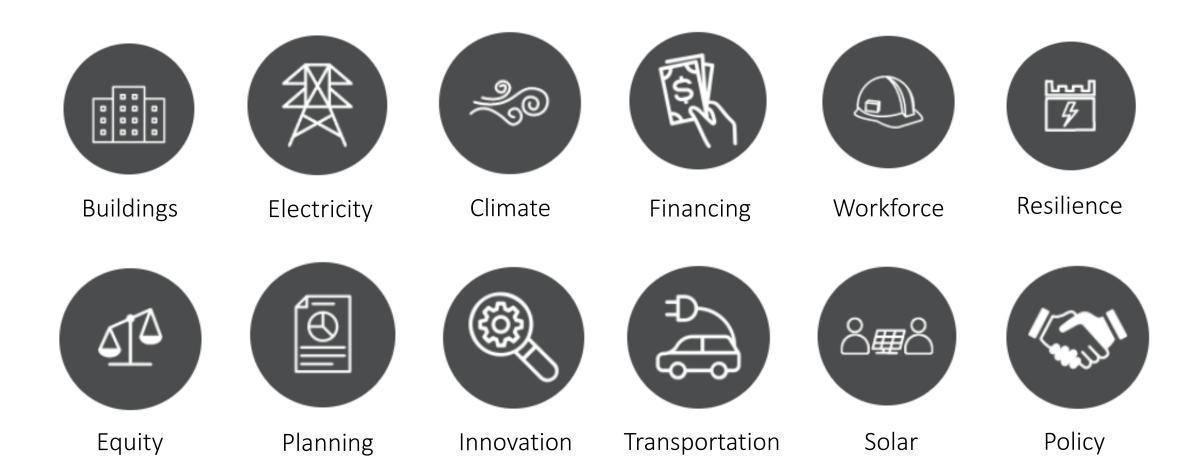
Eddy Trevino, Texas
Dan Lloyd, Montana
David Althoff, Jr., Pennsylvania
Mary Beth Tung, Maryland
Michelle Gransee, Minnesota
Chad Kruse, Illinois
Dan Burgess, Maine
Patrick Woodcock, Massachusetts
Mitchell Simpson, Arkansas
Michael Furze, Washington

Affiliates Co-Chairs:

Anne Smart, ChargePoint Heather Reams, CRES



NASEO Programs and Priorities



NASEO Affiliates



































earthadvantage















II











































































AG'A

























Selection of Opportunities for Public-Private Partnerships

State Energy Offices

- State Energy Program (SEP)
- Investment Infrastructure and Jobs Act (IIJA)
 - Electricity Grid Resilience
 - State Energy Security Plans
 - Clean Hydrogen Hubs
 - Energy Storage
 - Energy Efficiency Revolving Loan Fund Capitalization Grant Program
 - Energy Efficiency Conservation and Block Grant Program
- Building Resilient Infrastructure and Communities (BRIC)

NASEO Resources

- Infrastructure Act Resources Hub
- Program in a Box Website
- NASEO RFI/NOI Responses

Federal Energy Funding 101 Expo



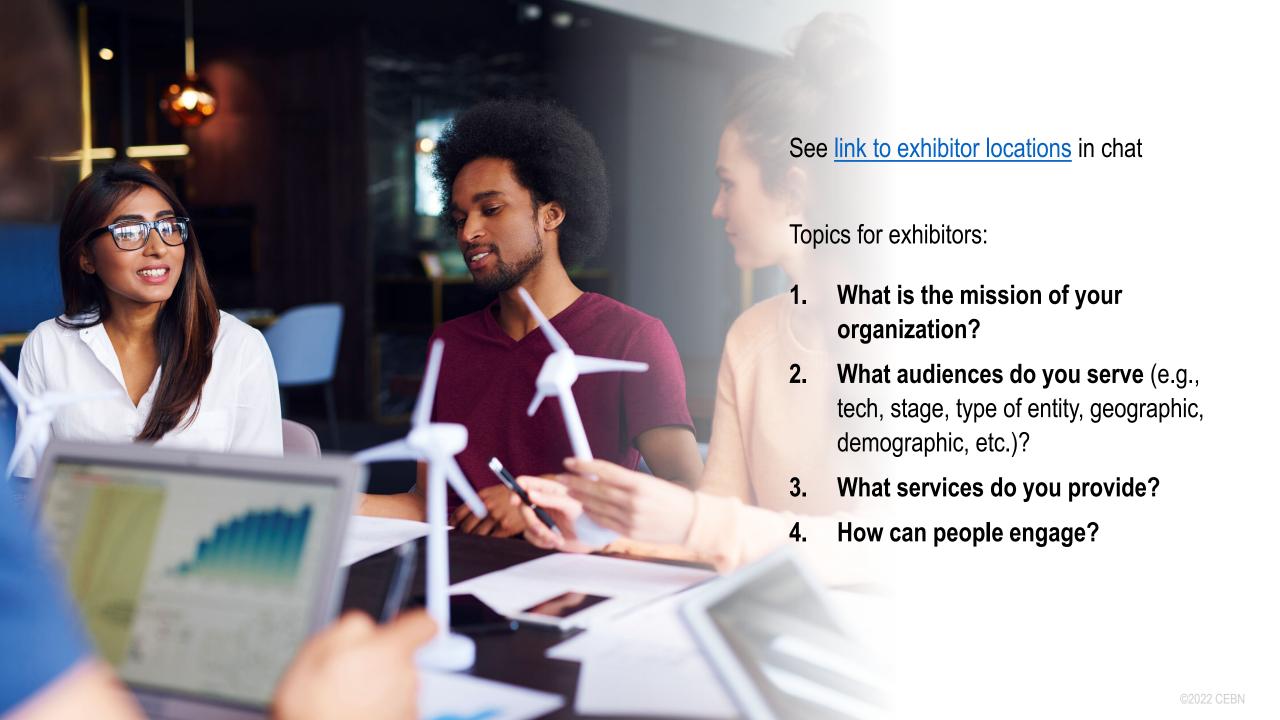
Federal Energy Funding 101 Expo



FLOOR 4	Organization	Bio	Tags	Communities Served	Talk to:
Floor 4	ADL Ventures	ADL Ventures is an open-innovation consulting firm and a program-wide Power Connector for the American-Made Challenges. The ADL Ventures team has cross-cutting experience spanning key sectors such as start-ups, major corporations, professional services (investment banking / consulting / PE/VC), and public sector work.	Incubator/Accelerator; DOE Power Connector		lan
Floor 4	American Association of Blacks in Energy (AABE)	AABE is a national association of energy professionals founded and dedicated to ensure the input of African Americans and other minorities into the discussions and developments of energy policies regulations, R&O technologies, and environmental issues.	JEDI focused	African Americans and other minorities	Krislyn, Keturah, Veronica, and Drexe
Floor 4	Bethesda Green	Betheada Green's Innovation Lab is the leading entrepreneurship program in the Mid-Atlantic region that identifies and attracts leaders who are building for-profit business models around innovative and sustainable solutions to tackle environmental and social challenges.	Entrepeneurship program	Mid-Atlantic	Patty
Floor 4	BRITE Energy Innovators	BRITE gives startups the support, guidance, and connections they need so they can start, scale, and stay in Ohio. That encompasses everything from getting a startup business off the ground and running, taking a product with potential & turning it into a sustainable high growth company, and everything less in between	Entrepeneurship program	Ohio	Joseph
Floor 4	Browning the Green Space	BGS is a nonprofit coalition of leaders and organizations that share the passion to advance Diversity, Equity, and Inclusion in clean energy, BGS seeks to facilitate a just energy transition by putting Black and Brown communities first and enabling systems change at the intersection of social, environmental, and economic justice. By removing barriers and expanding access, it seeks to close the racial wealth gap while combating climate change. In partnership with	Accelerator; JEDI focused	Black and Brown communities	Hadas
Floor 4	Cleantech Open Midwest	Cleantech Open Midwest is a division within the larger Cleantech Open network, and accelerates start-up businesses with structured programs and events. Since 2010, the Midwest programs have worked with nearly 200 start-up companies that have raised tens of millions of dollars in external capital.	Incubator/ Accelerator	Midwest	Garrick
Floor 4	Cleantech Open Northeast / NECEC	Cleantech Open is a national cleantech startup accelerator offering regional accelerator programs, with the mission to find, fund, and foster entrepreneurs with ideas to solve our greatest environmental and energy challenges. NCCCC is the affiliate pather of the Cleantech Open Northeast regional accelerator and supports cleantech and climatetech innovation through NECCC's Navigate program. Through NECCC's innovation efforts and policy discourse, NECCC leads the just, equilable and rapid transition to a clean energy future and diverse climate economy.	Incubator/ Accelerator	Northeast	Olivia
Floor 4	Cleantech San Diego	Cleantech San Diego's Southern California Energy Innovation Network (SCEIN) is a free program that provides energy entrepreneurs access to the resources and facilities of a number of regional partner organizations and connections with industry, in order to accelerate the commercialization of emerging energy technologies.	Incubator/ Accelerator	California	Natalie
FLOOR 3	Organization	Bio	Tags	Communities Served	Talk to:
Floor 3	Dawnbreaker - DOE Phase 0	The DOE Phase 0 Program is provided by the Department of Energy to assist first time applicants learn how to prepare responsive applications to the Small Business Innovation Research (SBIR) and/or Small Business Technology Transfer (KTTR)	SBIR	First-time SBIR applicants	Lyn
Floor 3	Dominion Energy Innovation Center	The Dominion Energy Innovation Center is an affiliated innovation center of Activation Capital that supports early-stage advanced technology companies by providing them with the collaborative space, guidance, and resources needed to accelerate their growth.	Incubator/ Accelerator	Virginia	Braden
Floor 3	Environmental Protection Agency (EPA) SBIR Program	EPA is one of 11 federal agencies that participate in the SBIR Program. Under the currently open solicitation, EPA is seeking small businesses to develop and commercialize innovative technologies that will help protect human health and the environment.	Funding, Government Agency, SBIR		April
Floor 3	EPIC SBDC - SBIR/STTR Resource Center	U.C. Riverside's EPIC SBDC provides individualized support to early-stage tech entrepreneurs and companies in Southern California to grow their businesses at no cost. Services include specialized consulting, training programs and workshops, access to capital and SBIR/STTR assistance.	SBIR	Southern California	Martin
Floor 3	EPicenter	EPIcenter propels energy innovation and thought for our global future with a think tank, incubator and accelerator, strategic partnerships, advisory engagements and critical conversations around energy.	Incubator / Accelerator		Jill
Floor 3	Foresight Science & Technology, Inc	Foresight is one of the world's leading providers of technology transfer and commercialization services. Its services include market assessments, SBIR/STTR Technical and Business Assistance (TABA), technology marketing, proposal reviews, and training/mentoring.	Commercialization services, SBIR and TABA		Alyssa
Floor 3	Freyja Group Inc	A woman-owned, Opportunity Zone based collective of leading industry professional united by the awakening to the demands of a sustainable tomorrow. In addition to proprietary products, production lab, consulting, or complete innovation services for existing companies – Freyja Group accepts a limited number of companies for the annual See@Colab.	JEDI focused, Incubator / Accelerator		Tavise
Floor 3	Greentown Labs	Greentown is the largest climatetech startup incubator in North America. Greentown brings together startups, corporates, investors, policymakers, and many others with a focus on scaling climate solutions. Startup members gain access to more than 51 million worth of resources, equipment, programming, staff support, and more.	Incubator / Accelerator	Somerville, MA	Jacqueline

PLUUK Z	Organization	Bio	Tags	Communities Served	Talk to:
loor 2	Justice40 Accelerator	The Justice 40 Accelerator supports climate and environmental justice organizations in building their capacity, partnerships, and readiness to access government funding to implement community-designed solutions.	JEDI Focused; Funding resources	Disadvantaged communities	Stacey
loor 2	LabStart Innovations Inc.	LabStart matches entrepreneurs with scientists to launch climate tech startups. Its Fellows Program offers entrepreneur-minded individuals access to LabStart's network of major research labs.	Entrepenurship programs		Gary
loor 2	Majira Project	Majira Project cultivates healthy communities by enabling growth for startups and small businesses by providing access to consulting, coaching, connections, and capital for entrepreneurs from or serving Black, Latinx, and Indigenous communities.	JEDI focused, entrepreneurship programs	Black, Latinx, and Indigenous communities	David
loor 2	NASA SBIR/STTR Program	Through the SBR/STTR program, NASA provides early-stage funding for research & development without taking equity. Small businesses can receive up to \$1 million during the first three years, plus up to nearly \$3 million or more through Post Phase II opportunities.	Funding, Government Agency, SBIR		Carol ar Rich
loor 2	New Mexico Clean Energy Resilience and Growth Cluster (NM CERG)	Under NM CERG, qualified participants gain access to business development activities such as market capture, technology development through testing and evaluation with federal lab partners, and ongoing support for the duration of the commercial market pipeline.	Business development	New Mexico	Del
loor 2	North Shore InnoVentures	SN is a non-profit technology incubator helping early-stage biotech and cleantech companies increase their probability of success and commercialize faster by focusing market validation, business planning, operations, team development, fund raising as well as technology development.	Incubator / Accelerator	Beverly, MA	Tris
loor 2	Partnership for Southern Equity (PSE)	PSE has stood at the forefront of promoting balanced growth and shared prosperity throughout metropolitan Atlanta and the American South, PSE has a major focus on Just Energy, which represents an equity ecosystem of frontline communities, subject-matter experts, houses of worship, youth movements, and ecademia organizing together to engage marginalized communities and communities of color about the sourcing and commodification of power generation in Georgia.	JEDI Focused	South	Christin
loor 2	Rising Sun Center for Opportunity	Rising Sun is a nonprofit organization working at the intersection of economic equity and climate resilience. With offices in Oakland and Stockton, its workforce development programs specialize in preparing youth, women, and individuals in reentry for high-road careers and green pathways that offer family-sustaining wages.	Workforce development	Bay Area & San Joaquin County, CA	Roxana
LOOR 1	Organization	Bio	Tags	Communities Served	Talk to:
loor 1	Rural Energy for America Program (REAP)	The USDA program provides guaranteed loan financing and grant funding to agricultural producers and rural small businesses for renewable energy systems or to make energy efficiency improvements. Agricultural producers may also apply for new energy efficient equipment and new system loans for agricultural production and processing.	Funding, Government program	Rural small businesses and agricultural producers	
loor 1	Sand Hill Angels	Sand Hill Angels is a group of Silicon Valley angel investors who are passionate about helping entrepreneurs get to the necessary of the contract of the state o	Angel Investors	Sand Hill, CA	Amolak
loor 1	SeaAhead BlueTech Innovation	Sea&head helps build companies, run an incubator, facilitate investments and are catalyzing a bluetech cluster in the Northeast to create impact in areas including greener shipping and ports, aquaculture and fishery processes, offshore alternative energy, plastics and smart, resilient cities.	Incubator / Accelerator, Bluetech	Northeast	Taylor
	T. 1	Techstars is an operational investor supporting you on your entrepreneurial journey from idea to building the most			
loor 1	Techstars	successful business possible. Our global network can support you by providing accessibility to capital, mentoring, finding customers, hiring talent, choosing the right infrastructure and so on.	Investor		Jennifer
loor 1	Two Rivers CDC		JEDI focused, Entrepreneurship programs	Tribal and Native communities	Ralph &
loor 1		finding customers, hiring talent, choosing the right infrastructure and so on. Two Rivers Community Development Corporation offers a variety of program topics to support the economic growth of Native communities at both the Native government and business level. In partnership with Pacific Northwest Tribes, Two Rivers is also creating a virtual incubator to foster the growth and development of Native-owned businesses. As a designated Justice40 Initiative Accelerator, Two Rivers is uniquely qualified to identify and pursue deteral assistants.	JEDI focused, Entrepreneurship	Native	Ralph & Daucey
loor 1	Two Rivers CDC	finding customers, hiring talent, choosing the right infrastructure and so on. Two Kiners Community Development Corporation offers a variety of program topics to support the economic growth of Native communities at both the Native government and business level. In partnership with Pacific Northwest Tribes, Two Rivers is also creating a virtual incubator to foster the growth and development of Native-owned businesses. As a designated Justice40 Initiative Accelerator, Two Rivers is uniquely qualified to identify and pursue federal assistance to actualize the purpose and intent of the Justice40 Initiative. Upward scouts for top technologies across the globe that directly address business challenges and areas of opportunities faced by U.S. Enterprise Partners. Its current open challenge, Net Zero Lab, is a Jaunchpad designed to	JEDI focused, Entrepreneurship programs	Native	Ralph 8 Daucey
	Two Rivers CDC Upward Labs	finding customers, hiring talent, choosing the right infrastructure and so on. Two Rivers Community Development Corporation offers a variety of program topics to support the economic growth of Native communities at both the Native government and business level. In partnership with Pacific Northwest Tribes, Two Rivers is also creating a virtual incubator to foster the growth and development of Native-owned businesses. As a designated Justice40 Initiative Accelerator, Two Rivers is uniquely qualified to identify and pursue defearal assistance to actualize the purpose and intent of the Justice40 Initiative. Upward scoust for top technologies across the globe that directly address business challenges and areas of opportunities faced by U.S. Enterprise Partners, Its current open challenge, Net Zero Lab, is a launchpad designed to fast-track startups focused on decarbonizing the real estate industry. VentureWell is on a mission to cultivate a pipeline of Inventors, innovators, and entrepreneurs driven to solve the world's biggest challenges and to create lasting impact. VentureWell works directly with a variety of early-stage innovators including climatected entrepreneurs, to help them Bring their ideas to market through workshops and	JEDI focused, Entrepreneurship programs Entrepreneurship programs Entrepreneurship	Native	Ralph 8 Daucey

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Thank you!

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