



Agenda

Welcome & June Meeting Recap

Zoe Elizabeth, Deputy Director of Decarbonization Programs and Policy, SVCE

Federal Funding Opportunities for Local Governments

Christine Knapp, Community Innovation and Technical Assistance Program Manager, Office of State and Community Energy Program (SCEP), U.S. Department of Energy

Funding Opportunities in EV Charging Infrastructure

Bena Chang, Senior Government Affairs Manager, SVCE

Adjourn to Lunch; Reconvene at 12:15 PM for Working Session



- California's Zero-Emission Vehicle Infrastructure Plan briefing from California Energy Commission staff
- Workplace Charging in Silicon Valley & Beyond: An Employer Perspective – on-the-ground experiences from Intuit's Global Commute Solutions Leader



Federal Funding Opportunities for Local Governments

Christine Knapp

- Christine is Community Innovation and Technical Assistance Program Manager in the Office of State and Community Energy Program (SCEP) at the U.S. Department of Energy
- Christine previously served as the Director of the Office of Sustainability for the City of Philadelphia



State and Community Energy Programs

Improving Access to Efficiency and Clean Energy for States, Communities, and Tribes



DOE presenting to Silicon Valley Clean Energy November 17, 2022

Biden-Harris Administration Priorities

- The Administration knows there is no greater challenge facing our nation and our planet than climate change.
- We can turn the threat of climate change into an opportunity to:
 - Revitalize the U.S. energy and manufacturing sectors.
 - Create millions of high-quality, good paying jobs throughout the country.
 - Address historic environmental injustices and inequities.
- DOE is working to advance these goals and help the U.S. build a 100% clean energy economy and reach net-zero emissions no later than 2050.





SCEP Mission and Priorities

The Office of State and Community Energy Programs (SCEP) was established in January 2022 and is responsible for managing a portfolio of nearly \$6 billion in funding from the Bipartisan Infrastructure Law and annual appropriations. Through the disbursement of formula grants, DOE will extend the core capabilities of state energy offices and expand the weatherization provider network to assist low-income families with home energy retrofits. Competitive awards and technical assistance will further the innovation by states and local governments seeking to implement high-impact and self-sustaining clean energy projects.

SCEP Program Priorities



Deploy clean energy technologies



Catalyze local economic development



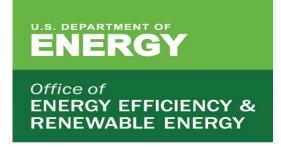
Create jobs



Avoid pollution through place-based strategies



Reduce energy costs



Energy Efficiency and Conservation Block Grant (EECBG) Program



EECBG Program Purpose & Eligible Entities

\$550 Million: Sec. 40552 of the Infrastructure Investment and Jobs Act (IIJA) for EECBG Program

 EECBG established under section 542(a) of the Energy Independence and Security Act (EISA) of 2007, which outlines who is eligible for funding and how funds can be used

Program Purpose: support eligible entities in

- Reducing fossil fuel emissions in a manner that is environmentally sustainable and maximizes benefits to communities
- Reducing their total energy use
- Improving energy efficiency in the transportation, building, and other relevant sectors

Local Governments

Alternative 1

- Cities with populations of at least 35,000 or in the top 10 highest populated cities in the state
- Counties with populations of at least 200,000 or in the top 10 highest populated counties in the state

Alternative 2

 Cities with populations of at least 50,000 or counties with populations at least 200,000

States & Territories

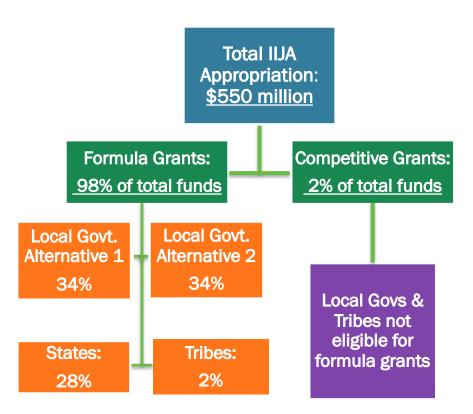
 States, the District of Columbia, the Commonwealth of Puerto Rico, and any other territory or possession of the U.S.

Tribes

 Indian Tribes, per section 4 of the Indian Self-Determination and Education Assistance Act

EECBG Program Distribution and Eligible Uses of Funds

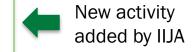
Distribution of Funding to Eligible Entities*



^{*}Distribution does not reflect DOE technical assistance allocations to be determined before distributing remaining funds to eligible entities.

Eligible Uses of Funds

- L. Strategy Development
- Technical Consultant Services
- 3. Building Energy Audits
- 4. Financial Incentive Programs
- 5. Energy Efficiency Retrofits
- Energy Efficiency and Conservation Programs for Buildings and Facilities
- 7. Development and Implementation of Transportation Programs
- 8. Building Codes and Inspections
- Energy Distribution Technologies for Energy Efficiency
- 10. Material Conservation Programs
- 11. Reduction and Capture of Methane and Greenhouse Gases
- 12. Traffic Signals and Street Lighting
- 13. Renewable Energy Technologies on Government Buildings
- 14. Programs for Financing, Purchasing, and Installing Energy Efficiency, Renewable Energy, and Zero-Emission Transportation (and associated infrastructure) Measures



15. Any Other Appropriate Activity

EECBG Program Recovery Act Take-aways & 2015 National Evaluation*

- Grantees: provided funding to 2,300 grantees
- <u>Investment:</u> represented the **largest nationwide direct investment in energy efficiency and renewable energy** technologies at the community level in U.S. history
- Cost Savings: \$5.2 billion in total lifetime cost savings
- Social Cost Savings: \$1.8 billion in social costs avoided due to program-induced reductions in carbon emissions
- Energy Savings: 409 MMBtu in lifetime energy savings
- <u>Job Creation:</u> **62,900 direct, indirect, or induced jobs** created or retained, which is equal to about **one job per \$36,000** in EECBG dollars invested
- <u>Avoided Carbon Emissions</u>: **25.7 million metric tons** of carbon equivalent avoided due to energy savings and renewable generation
- <u>Cost Effectiveness:</u> **\$1.76 in bill savings** received by program participants over the lifetime of the measures installed for every EECBG dollar spent

^{*}The EECBG National Evaluation is an independent third-party, peer-reviewed evaluation of the principal outcomes achieved by the Recovery Act EECBG Program in terms of (1) energy and cost savings, (2) gross carbon emissions reduction, and (3) direct and indirect job creation. The evaluation examines outcomes achieved during the 2009 through 2015 program years for a subset of recipients implementing broad program types that, in combination, represented approximately 80% of EECBG Program funding.

Stay Connected with the EECBG Program

Watch for EECBG Program updates, coming later in 2022 and 2023:

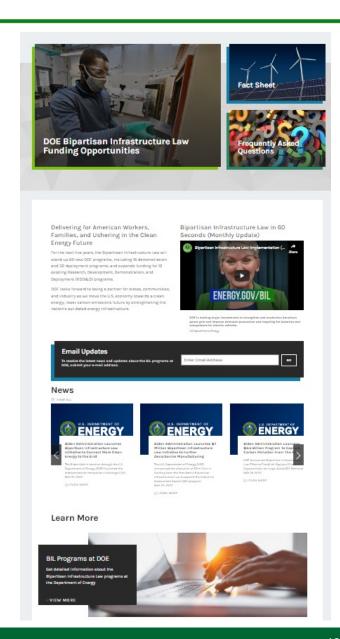
https://www.energy.gov/eere/wipo/energy-efficiency-and-conservation-block-grant-program-bipartisan-infrastructure-law-2021

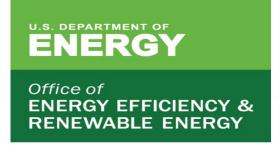
- Allocation formulas published in the Federal Register in June 2022
 - Notice of Availability: https://www.federalregister.gov/d/2022-13859
- Information on program design and implementation
- Allocation amounts for eligible entities
- Funding opportunity announcement for formula awards
- Competitive program information

Find IIJA Program Updates:

https://www.energy.gov/bil/bipartisan-infrastructure-law-homepage

- Contact the EECBG Program Team or DOE's Regional Specialists:
 - o eecbg@hq.doe.gov
 - DL-RegionalSpecialists@hq.doe.gov





Local Government Energy Program (LGEP)



Local Government Energy Program

Established in FY22, a permanent program for local governments and Tribal Nations to support transformative clean energy programs that create good paying jobs

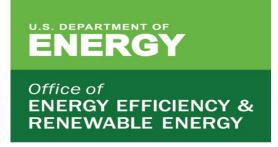
	FY 2022 Congressional Appropriation	FY 2023 Request
Local Government	\$10 million	\$25 million
Program	"Local Government Clean Energy Workforce Program"	"Community Programs"

"The Committee supports the Local Government Clean Energy Workforce Program (changed to Local Government Energy Program) to provide competitive awards, on-site capacity, peer exchanges, and technical assistance to support the development and deployment of transformative clean energy programs that create good paying jobs working with qualifying local governments and Tribal Nations, with a focus on energy communities and disadvantaged or small-to-medium jurisdictions.

The Department is encouraged to consider projects that implement best practices to advance energy efficiency adoption, building and vehicle electrification, grid modernization, distributed electricity generation, and workforce development at the local level. These activities shall include work with and support for organizations that convene and support municipal governments."

To receive program updates, subscribe to the *State and Local Spotlight* newsletter: www.energy.gov/eere/slsc/listings/state-and-local-spotlight-newsletters

¹117th Congress. Senate Report Number 117-36. "Energy and Water Development Appropriations Bill, 2022." August 4, 2021. p. 90. Note that the program name was changed to "Local Government Energy Program" in the FY 23 budget.



Energy Future Grants



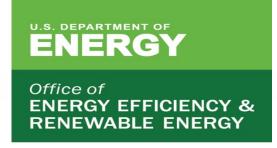
Energy Future Grants

 A new FY22 initiative to support state-, local-, and Tribal-level planning initiatives designed to meet community energy needs

Program Name	FY22 Funding Amount (enacted)	FY 2023 Request	Description & Target Audience
Energy Future Grants	\$20 million	\$105 million	Provides competitive financial and technical assistance to support state-, local-, and tribal-level approaches to meeting energy needs at the local level including energy system planning and analysis and conducting stakeholder engagement.

Sources:

- DOE FY22: 117th Congress. Senate Report Number 117-36. "Energy and Water Development Appropriations Bill, 2022.
- DOE FY23 budget request: https://www.energy.gov/sites/default/files/2022-04/doe-fy2023-budget-volume-3-scep.pdf



Tools and Resources to Support Local Governments



Current Public Sector Initiatives



Sustainable Wastewater Infrastructure of the Future (SWIFt) Initiative

Goal: a voluntary partnership with a goal to engage **300** water resource recovery facilities (WRRFs) that will work with DOE to achieve **5% short-term** and **25% long-term** facility-wide energy savings and implement one next-generation technology (e.g., renewable energy or resource recovery).

<u>Progress</u>: as of August 2022, **111 signatory partners** that represent **256 wastewater facilities** across **40 states**. These facilities serve over 25 million people (8% of nation's population) and treat over 4 billion gallons of wastewater daily.

Results: the SWIFt Toolkit helped more than 70 SWIFt Phase 1 (2016-2019) partner facilities cumulatively achieve almost **7% (131 million kWh)** in energy savings and put plans in place for **30% long-term** energy savings.



Sustainable Corrections Infrastructure Partnership (SCIP) Accelerator

<u>Goal:</u> a voluntary partnership with public departments of corrections working with DOE over three years to achieve **portfolio-wide energy savings of 20%** and create replicable solutions to catalyze energy resilience.

Progress: as of July 2022, **17 partners** (16 states and one county) that represent almost **30%** of state correctional facilities.

Current Public Sector Initiatives Cont.



Better Buildings Challenge (BBC)

WIP's 75+ state, local government, and K-12 school district partners have committed to an energy savings goal of 20% across their portfolio within 10 years









Cumulative public-sector partner achievement since 2011

Better Climate Challenge (BCC)

- Launched by DOE in February of 2022 as a new engagement pathway for Better Buildings
- Goal: Through the BCC, organizations can partner with DOE to reduce portfolio wide GHG emissions by at least 50% within 10 years. DOE will provide technical assistance and opportunities to learn and share actionable best practices for carbon reduction
- <u>Progress:</u> As of August 2022, BCC has 21 public-sector partners (one state, 17 local government, and three K-12 school district partners)

Spotlight on Popular Tools and Resources

State and Local Planning for Energy (SLOPE) Platform

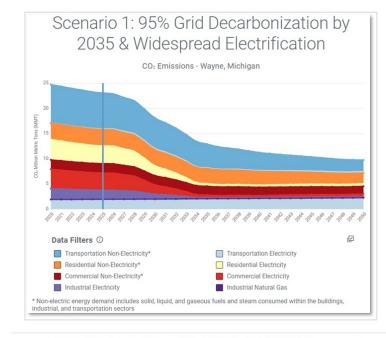
The State and Local Planning for Energy (SLOPE) Platform is a free, easy-to-use online platform to support data-driven state and local energy and decarbonization planning. Platform features include:

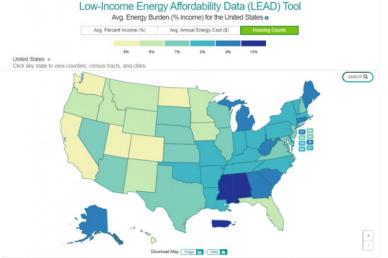
- Scenario Planner: A ground-breaking planning tool that visualizes scenarios for future energy consumption, CO₂ emissions, and system costs of a selected county or state.
- **Data Viewer**: new energy and environmental justice data layers (e.g., energy burden) and energy efficiency savings potential.

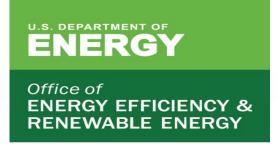
Low-Income Energy Affordability Data (LEAD) Tool

A web-based interactive tool that enables stakeholders to visualize energy burden and housing characteristics across the U.S.

 Provides customizable data, maps, and charts available at the national, state, city, and census tract level for all 50 states plus Puerto Rico and Washington, D.C.







Inflation Reduction Act



IRA Provisions in SCEP

Program	IRA Funding Level	Timeline
Home Owner Managing Energy Savings (HOMES) Rebates	\$4.3B	Available through 2031
State-Based Home Energy Efficiency Contractor Training Grants	\$200M	Available through 2031
High-Efficiency Electric Home Rebate Program	\$4.5B	Available through 2031
Assistance for Latest and Zero Building Energy Code Adoption	\$1B	Available through 2029

Stay Connected to the State and Local Solution Center

Outreach

State and Local Spotlight

Monthly newsletter with more than 33,000 subscribers

State and Local Solution Center

More than 400 tools, resources, and best practices

State and Local Inbox

We are committed to a three-business-day-or-less response time for all state, local government, and K-12 school district inquiries

Better Buildings Webinars

Webinars reviewing the most pressing topics for energy professionals to save resources

Subscribe:

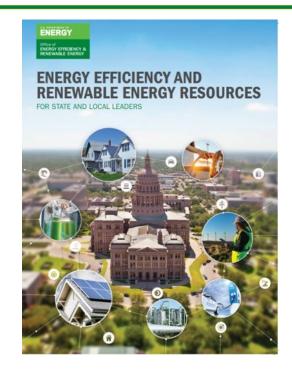
http://energy.gov/eere/slsc

Contact Us:

stateandlocal@ee.doe.gov

Download our Resource Guide:

https://energy.gov/sites/default/files/2022-05/wipstate-local-resource-guide-2022.pdf





Questions & Discussion





Funding Opportunities in EV Charging Infrastructure

Bena Chang

- Bena is the Senior Government Affairs Manager for Silicon Valley Clean Energy, where she works on legislation and coalition building
- Prior to joining Silicon Valley Clean Energy, Bena was the Intergovernmental Relations Director for the City of San Jose







Ground our conversations today.

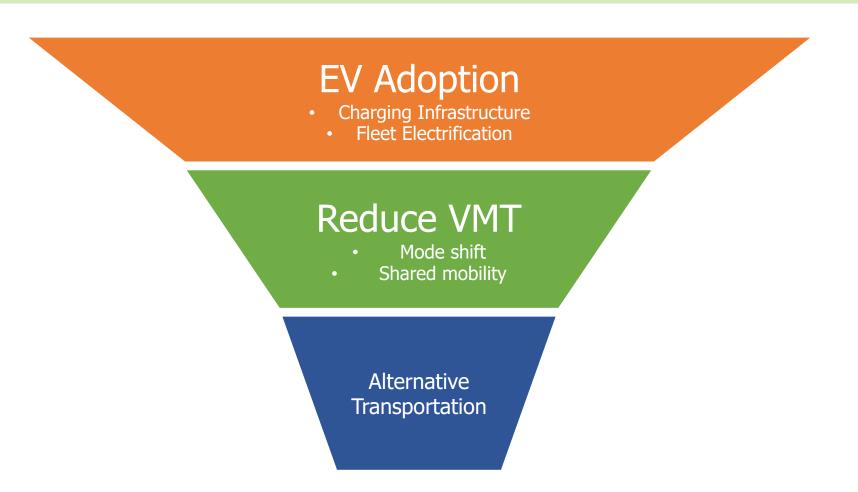
- 1. The Big Picture
- 2. Examples of funding opportunities at federal, state, regional levels
- 3. Examples of previous successful projects





Takeaways from Climate Actions Plans from around Silicon Valley

Majority of climate action plans include EV Adoption strategies.





A Once in a Generation Opportunity to Expand EV Infrastructure

\$13B **Federal** \$6B State \$60M Regional \$12M

Example Funding Opportunities



Federal – Bipartisan Infrastructure Act Funds

Last year's infrastructure funding is now rolling out.

Program	Amount	Notes	Timing
National Electric Vehicle Infrastructure (NEVI) Formula Grant	\$384M in California	Formula grant for corridor charging in all 50 states; CA plan includes 3 highway segments in the SVCE service territory that private entities can bid on	Procurement in tranches throughout 2023 & 2024
Discretionary Grant Program for Charging and Fueling Infrastructure	\$2.5B nationwide	Local agencies and other entities may apply	TBD, most likely in 2023

Many programs are in initial development phase – opportunity to shape the funds.

Program	Amount	Notes	Timing
Greenhouse Gas Reduction Fund	\$27 billion	Funding to implement clean electricity policies, including zero emission vehicle and building programs, deploying EV infrastructure, and incentives for smart-growth and TOD.	TBD, public comments due to EPA on 12/5.
Clean Heavy- Duty Vehicles	\$1 billion	Includes vehicles, infrastructure, and workforce training. At least \$400 million to go towards places not meeting national air quality standards	TBD, public comments due to EPA on 1/18.



Continued strong investment in EV infrastructure.

Program	Amount	Notes	Timing
CALeVIP's Golden State Priority Project	\$30M for Eastern and Central Regions of California - including Santa Clara County	Rebates for purchasing and installing eligible direct current fast chargers	2023 Launch
CEC's Communities In Charge	\$250M	Focus on quickly and efficiently deploying Level 2 charging stations where communities live and gather	2023 Launch



Additional Air District and PG&E funds.

Program	Amount	Notes	Timing
BAAQMD's Charge! Program	\$5M for 2023	 Wide variety of chargers: L1, L2, and DCFC Plus-ups for MUDs & Priority Population Areas BAAQMD staff joining us for Working Session this afternoon 	Opened 11/15 Webinar on 11/29 at 10 AM
PG&E's Charge 2	\$50.7M	 Installation of up to 2,800 Level 2 and DCFC ports at: multi-family housing workplace, and public destination sites At least 65% spent in Underserved Communities 	2023-25, pending final CPUC approval in December

SVCE Programs

Regional funds to accelerate EV Infrastructure

Program	Amount	Notes	Timing
FutureFit Assist	\$500k	EV Charging Technical Assistance for MUD & Small Medium Businesses. No-cost technical assistance for site assessment, design, bid support	Launched 2020, currently active
CHIIP	\$1.4M	Multifamily Charging Installation Incentive Program. Rebate incentives for L1/L2 charging installations, panel upgrades, and pre-wiring at existing MUD properties	Launched June 2022, currently active
Priority Zone DCFC	\$600k	Install and promote fast chargers near dense clusters of multifamily housing	Applications closed 11/15, awards next month

SVCE Programs

Regional funds to accelerate EV Infrastructure

Program	Amount	Notes	Timing
CALeVIP	\$1.1M remaining	L2 incentives for public charging still available (DCFC funding fully subscribed)	Available Now until funds fully reserved
Innovation Onramp Pilots: MUD EVI programs	\$200k	Co-funding CEC grant winning pilots with EVmatch and Ecology Action installing EVI in MUD	Available Now
Reach Codes - Affordable Housing EVSE	\$7.5M	EV charging incentives for new construction affordable housing built to reach code	Launching Q1 2023
Fleet Electrification Grants	\$300k	Competitive application for fleet electrification planning support	2023-2026



Substantial incentives geared towards fleets.

Program	Amount	Notes	Timing
EV Fleet Tax Credit (45W)		Up to \$7,500 for light-duty vehicles and \$40,000 for all other vehicles. Not subject to critical mineral/battery or MSRP limits	2023
Clean School Bus	\$5B	\$2.5B is allocated for electric school buses and \$2.5B for clean school buses in \$1B annual increments	2022-26
		School Districts can apply for grants, rebates, or contracts for low or no emissions school buses	
PG&E EV Fleet	\$236M	Competitive incentives to facilitate the installation of EVSE for medium- and heavy-duty vehicle fleets	2022-24

Example Successful Projects





What has been successful?

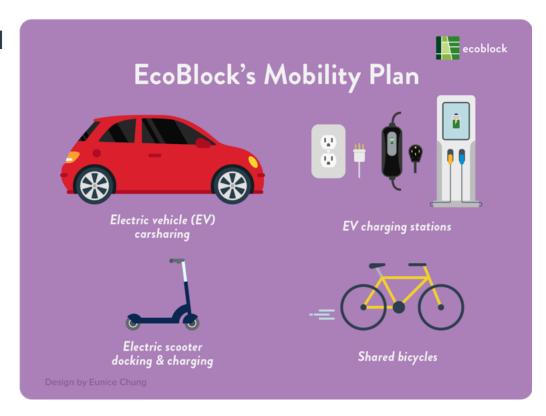
Project Ideas

WattEV Bakersfield electric truck stop

- \$5 million grant from CEC for the state's first solar-powered truck stop dedicated to heavy-duty electric trucks.
- Project included the San Joaquin Valley Air Pollution Control District, the Central California Asthma Collaborative, Greenlots, Power Electronics

The Oakland EcoBlock

- CEC funded Phase 1 design and is now funding Phase 2 build
- New model for scaling resilient, low-carbon solutions in existing neighborhoods through block-scale, including EV car sharing and curbside charging in a low-to-middle income neighborhoods



Questions & Discussion





Agenda

Welcome, Agenda Overview and Meeting Goals

Zoe Elizabeth, Deputy Director of Decarbonization Programs and Policy, SVCE

What Makes a Good Grant Proposal?

Janet Cohen, Chief Product Officer, Momentum

Micro-presentations: Sharing Among Members & Resources

Overview of Priority Areas in SVCE's Service Territory

Hannah Gustafson, Senior Community Programs Specialist, SVCE

Group Brainstorm and Strategy Discussion

Moving Innovation Forward.





BUILDMOMENTUM.10

WHAT MAKES A SUCCESSFUL GRANT SUBMISSION?.

About MOmentum



MOMENTUM ENVISIONS A WORLD WHERE CLEAN ENERGY, WATER, AND TRANSPORTATION ARE ABUNDANT, AFFORDABLE, AND AVAILABLE TO ALL.

Momentum designs, develops, and deploys innovation campaigns for organizations working on transformative water, energy, transportation, and manufacturing technologies.

We conduct rigorous research, thoughtful analysis, and strategic engagement to dramatically increase the ability of our clients to access and manage public and private investment, acquire new customers, and commercialize advanced technologies.

Since 2008, we have developed more than \$5.5 billion in funded projects and helped reduce hundreds of pounds of harmful emissions .







A Typical Proposal

BUILDMOMENTUM.10

grant elements

- Executive Summary and Project Description
- Needs Statement, Goals and Objectives
- Scope of Work
- Schedule
- Budget
- Resumes, bios, partners
- Readiness/Permitting
- Diversity, Equity Section
- Matching Funds
- References and Past Work
- Letters of Support and Commitment





Understand Your Funding Partner



Review Strategic Investment Plan



Request Prior Successful Proposals



Build Relationship with the Funding Partner



FOA Review. Attend and Participate In the Pre-Solicitation Workshops. Ask questions!





Communicate a Powerful Story

Above All, funders are seeking powerful success stories that justify their programs and their

- Assume that reviewers how nothing about your technology
- Communicate in "plain English"
- Answer the reporter's 5 whys
- Differentiate your project
- Phase your projects for maximum fundability
- · Build a robust team





Always write for extra points

BUILDMOMENTUM.10

Follow the score sheet & Scale Religiously

	Scoring Criteria	Points		
1	Applicant Qualifications			
2	Project Team Capabilities and Degree of Industry Collaboration			
3	Project Objectives and Work Plan			
4	Budget, Match Funding, and Financial Capabilities 10			
5	Potential Emission Reduction Benefits			
6	Cost-Effectiveness			
7	Vehicle Daily Range			
8	Technology and Innovation			
9	Potential for Market Penetration and Commercialization of the Technology			
10	Application Completeness	5		
11	Timeline for Project Completion	5		
	TOTAL	100		

% of Possible Points	Interpretation	Explanation for Percentage Points	
0%	Not Responsive	Response does not include or fails to address the requirements being scored. The omission(s), flaw(s), or defect(s) are significant and unacceptable.	
10-30%	Minimally Responsive	Response minimally addresses the requirements being scored. The omission(s), flaw(s), or defect(s) are significant and unacceptable.	
40-60%	Inadequate	Response addresses the requirements being scored, but there are one or more omissions, flaws, or defects or the requirements are addressed in such a limited way that it results in a low degree of confidence in the proposed solution.	
70%	Adequate	Response adequately addresses the requirements being scored. Any omission(s), flaw(s), or defect(s) are inconsequential and acceptable.	
80%	Good	Response fully addresses the requirements being scored with a good degree of confidence in the applicant's response or proposed solution. No identified omission(s) flaw(s), or defect(s). Any identified weaknesses are minimal, inconsequential, and acceptable.	
90%	Excellent	Response fully addresses the requirements being scored with a high degree of confidence in the applicant's response or proposed solution. Applicant offers one or more enhancing features, methods or approaches exceeding basic expectations.	
100%	Exceptional	All requirements are addressed with the highest degree of confidence in the applicant's response or proposed solution. The response exceeds the requirements in providing multiple enhancing features, a creative approach, or an exceptional solution.	

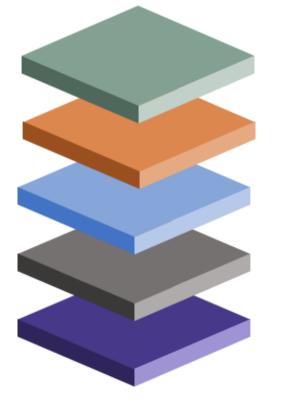
Optimize Score







Ensure Project Readiness



Permitting from Construction through Operation

CEQA

Fully Vetted Team

Site Control

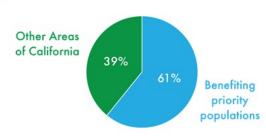
Financial Commitments and Leveraged Funds





Invest in Priority Populations

Cumulative Investments Benefiting Priority Populations



CalEnviroScreen 4.0 provides in-depth information about why a given area is classified as a disadvantaged community (DAC).

PROJECTS BENEFIT PRIORITY POPULATION THROUGH:

DEIA, Community Benefits and Justice 40 Plans

- Job Creation and Support
- Economic Benefits
- Education
- Workforce Development
- Improved Air Quality and Environmental Benefits
- Partnerships





BUILD ON YOUR PROPOSAL



Request a debrief





RFCYCLE





ADD PHASES





DON'T BE A GRANT JUNKIE





Execute with integrity



Professional Project Management





Timely reporting and deliverables



Assume Audit



Celebrate Success!





PREPARE NOW

BUILDMOMENTUM.10

To-do list

- Research e.g., agency strategic plans, DACs
- Agency Socialization
- DEIA Plans
- Registrations (DUNS, grants.gov, login.gov. etc.)
- Build your Team/Partners -- Resumes and Bios,
 Letters of Support
- Descriptions of Project Partners
- Matching Funds
- Permits
- Scope of Work, Concept Papers, Budget



Website

www.buildmomentum.io

Phone Number

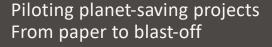
916.444.FUND (3863)

Contact Us

WE'D LOVE TO HEAR FROM YOU.

Email Address

info@buildmomentum.io







Priority Areas in SVCE's Service Territory

