

DOCKETED

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Clean Transportation Program

Draft Solicitation Concepts for Medium- and Heavy-Duty
Zero-Emission Vehicle Infrastructure Deployments



Katie Herter & Alex Wan
Freight and Transit Unit
April 2, 2020



Housekeeping

All questions and comments must be submitted using the WebEx Chat Box.

Questions and comments received during this workshop will be addressed after both presentations are completed.



Agenda

- Welcome and Introductions
- Overview of Draft Solicitation Concepts
 - Blueprints for Medium- and Heavy-Duty (MD/HD) Zero-Emission Vehicles (ZEVs) and ZEV Infrastructure
 - Block Grant for MD/HD ZEV Infrastructure Incentive Projects
- Public Comment and Questions
- Adjourn



Commitment to Diversity

The Energy Commission adopted a resolution on April 8, 2015 to firmly commit to:

- Increase participation of women, minority, disabled veteran and LGBT business enterprises in program funding opportunities.
- Increase outreach and participation by disadvantaged communities.
- Increase diversity in participation at Energy Commission proceedings.
- Increase diversity in employment and promotional opportunities.



Commitment to Diversity

- Fairness – Increase funding accessibility to all Californians.
- Inclusion – Small businesses make up a significant portion of the U.S. economy.
- Job Creation – Projects can create jobs for residents of the under-served communities.
- Diversity of Ideas – Great ideas occur in a variety of areas.
- Diversity in Communities' Needs – Needs vary widely from one area to the next (air quality, socioeconomic, etc.).



Diversity Survey

- CEC is committed to ensuring that the Clean Transportation Program reflects the rich and diverse characteristics of California and its people.
- Please tell us the following:
 - Your name
 - Your company
 - How you heard about this workshop
 - Whether your company is in Northern, Central, or Southern CA
- Please email this information to Katie.Herter@energy.ca.gov or Alexander.Wan@energy.ca.gov



Diversity Survey (cont.)

- Additionally, if you are representing a business that is:
 - A small business,
 - A disabled veteran,
 - A woman-owned business,
 - A Lesbian-, Gay-, Bisexual-, Transgender-owned business, or
 - A minority-owned businessPlease let us know in your email.
- Please list this webinar title in the subject or body of your e-mail: MD/HD ZEV & ZEV Infrastructure Blueprints and Block Grant.
- The information supplied will be used for public reporting purposes to display **anonymous** overall attendance of diverse groups.



Clean Transportation Program

- Formerly known as the Alternative and Renewable Fuel and Vehicle Technology Program
- Established by Assembly Bill 118 (Nunez, 2007)
- Provides up to \$100 million per year in funds
- Extended to January 1, 2024 by Assembly Bill 8 (Perea, 2013)



Clean Transportation Program

“...to develop and deploy innovative technologies that transform California’s fuel and vehicle types to help attain the state’s climate change policies.”

- California Health and Safety Code 44272(a)

Complementary goals:

- Improve air quality
- Investments in low-income and disadvantaged communities
- Promote economic development
- Increase alternative fuel use
- Reduce petroleum dependence



Funding

- Fiscal Year 18/19 - \$17.5 million
 - Plus an extra \$6 million available under EV Charging Infrastructure category
- Fiscal Year 19/20 - \$30 million



Funding (cont.)

Solicitation Concept	Title	Funding Amount	Concept Workshop
1	Zero-Emission Vehicle (ZEV) Infrastructure Deployment for Advanced Freight Vehicle Demonstrations	\$20 million	TBD
2	ZEV Infrastructure Deployment for Transit Fleets	\$20 million	April 10, 2020
3	Zero-Emission Blueprint for MD/HD Vehicles and Infrastructure	\$3 million	April 2, 2020
4	Hydrogen Fuel Cell Demonstrations in Rail and Marine Applications at Ports	\$6 million	October 2019
5	Innovative Charging and Refueling Solutions	\$4.5 million	May 2020
6	Block Grant for MD/HD ZEV Refueling Infrastructure Incentive Projects	\$50 million*	April 2, 2020
	Total Funding Currently Available	\$53.5 million	

Blueprints for MD/HD ZEVs and ZEV Infrastructure



Katie Herter
April 2, 2020



Purpose

- Planning “blueprints” will identify actions and milestones needed for implementation of MD/HD ZEV electric vehicle (EV) charging or hydrogen refueling infrastructure.
- Blueprints may include a regional focus on connecting corridors.
- May complement utility funding programs, such as PG&E’s EV Fleet Program or SoCal Edison’s Charge Ready Program.
- Following successful completion of a ZEV blueprint, Applicants may be eligible for future Clean Transportation Program MD/HD ZEV infrastructure funding.



Available Funding

- A total of \$3 million is available for awards for this solicitation.
- Projects are eligible for up to 100% of the total project costs or \$200,000, whichever is less.
- Funds must be used to develop or expand on a MD/HD ZEV blueprint planning document.



Eligible Applicants

- All Public and Private Entities.
- Applicants can submit only one application under this concept.



Project Requirements

At a minimum, the blueprint should:

- Be implementable
- Build upon, but not be duplicative of previous planning efforts funded through the CEC
- Identify charging and/or fueling requirements for MD/HD vehicles
- Include considerations based on a community needs assessment



Project Requirements (cont.)

The blueprint should also:

- Identify the actions and milestones needed for implementation of ZEV infrastructure
- Minimize the risks and uncertainties surrounding the design, permitting, planning, and financing of ZEV infrastructure network through engagement
- Analyze the combination of technologies and systems that potentially offer the best mix of economic, environmental, and technical performance specific to the region



Project Requirements (cont.)

The blueprint should also:

- Document actions or steps already adopted by the local jurisdiction and the impact of those actions or steps on the development of ZEV infrastructure
- Identify analytical tools, software applications, and data needed to improve future planning activities
- Identify each task or area of responsibility required of the project partners and stakeholder groups to develop a replicable approach for other fleets, ports, regions, etc.



Project Requirements (cont.)

The blueprint should also:

- Address how the community will capture lessons learned and best practices
- Develop an outreach strategy tailored to local community, supported by education and outreach materials appropriate for potentially affected residents, in the languages needed for the community
- Work with community colleges, Community Based Organizations and community leaders to develop workforce development strategies that will enable training, education, and readiness for the local community workforce, to obtain the required knowledge, skills, and abilities to develop, support, and maintain the ZEV fleets



Project Requirements (cont.)

The blueprint should also:

- Summarize the types of jobs that will be created for the local community
- Identify goals to reduce greenhouse gas (GHG) emissions, criteria air pollutants, and toxic air contaminants for the region, and the emitters at the local level that would need to be targeted
- Identify how the project would impact the grid and potential grid management aspects



Project Requirements (cont.)

The blueprint should also:

- Identify the benefits that would accrue to disadvantaged communities (DACs), low-income communities, priority populations, and/or tribal lands to the maximum extent possible. Address health and safety, access and education, financial benefits, economic development, and consumer protection.
 - For the purposes of this draft solicitation, DACs are defined as communities scoring in the top 25th percentile according to the most recent California Communities Environmental Health Screening (CalEnviroScreen) Version 3.0.
<http://www.calepa.ca.gov/EnvJustice/GHGInvest/>
 - More information about Disadvantaged Communities can be found at <https://oehha.ca.gov/calenviroscreen/sb535>



Match Funds

No match funds are required.



Project Selection

- Must pass both the administrative and technical screening:
 - Complete application, signed by an authorized individual.
 - Technical screening criteria is scored as Pass/Fail.
- Projects will be funded on a first-come, first-served basis.



Awards

- Results released through a published Notice of Proposed Award (NOPA).
- CEC will finalize agreement documents.
- Projects presented at a CEC Business Meeting for approval.



Scoring Criteria

Scoring Criteria	Pass/Fail
Applicant is an eligible applicant	Pass/Fail
The project is an eligible project	Pass/Fail
The application provides a separate Activity Description Sheet	Pass/Fail
Activity Description Sheet includes a summary of the project, the project goals, the quantitative and measurable objectives to be achieved, and how the project will support market adoption of zero-emission MD/HD vehicles	Pass/Fail
Activity Description Sheet must demonstrate how the project will benefit priority populations and DACs.	Pass/Fail



Scoring Criteria (cont.)

Scoring Criteria	Pass/Fail
<p>Activity Description Sheet provides a description of how the funds will be used and must demonstrate why the requested funds are appropriate for the proposed activity</p>	Pass/Fail
<p>Project Team Worksheet is complete and must demonstrate project collaboration and coordination. If an existing ZEV readiness plan or blueprint exists, Applicants must demonstrate that the proposed project expands upon and is coordinated and consistent with the existing plan</p>	Pass/Fail



Scoring Criteria (cont.)

Scoring Criteria	Pass/Fail
Scope of Work is complete	Pass/Fail
Budget is complete	Pass/Fail
Schedule of Products and Due Dates is complete	Pass/Fail
Letters of Support/Commitment are provided	Pass/Fail



Schedule

Activity	Action Date (Tentative)
Pre-Solicitation Workshop	April 2, 2020
Solicitation Release	May 2020
Applications Accepted	July 2020 until funds are exhausted
Anticipated Notice of Proposed Awards Posting	July 2020
Anticipated CEC Business Meeting Approval	September 2020
Agreement Execution	October 2020 and ongoing

We are not accepting applications at this time.



Blueprint Discussion Questions

What questions do we still want answered?

Block Grant for MD/HD ZEV Infrastructure Incentive Projects



Alex Wan

April 2, 2020



Purpose

- Block grant
 - Up to \$50 million
 - Zero-emission MD/HD EV charging or hydrogen refueling infrastructure incentive projects



Available Funding

- Up to \$50 million may be available
 - Subject to future appropriations and Clean Transportation Program Investment Plan allocations
 - CEC reserves the right to increase or decrease total funds
- No match funding requirement for the recipient
- Cost limits:
 - Administrative costs $\leq 7\%$ of available funds
 - Website development activities: \$1 million limit



Eligible Applicants

- All not-for-profit technology entities located in California
- Must be in good standing with the Secretary of State
- Only one application per applicant



Project Requirements

- Identify MD/HD ZEV infrastructure incentive projects based on:
 - Zero-emission fuel type
 - Site-locational requirements
 - Geographical region
 - Locational requirements
 - Community needs assessment
 - Incentive vouchers received/obtained for zero-emission MD/HD vehicles



Project Requirements

- Proposed Projects shall include:
 - Eligible MD/HD charging and refueling equipment
 - Minimum technical requirements of the equipment
 - Incentive structure type
 - Enhancements to grid reliability
 - Equity evaluation criteria based on community needs assessment and local resident feedback
 - Quantity of chargers and refueling stations targeted
 - Incentive amount per charger and station
 - Total funding required to complete proposed project



Project Requirements (cont.)

- Simple and user-friendly application documents for each project.
- Outreach and advertisement plan for each approved incentive project.
- Conduct outreach.
- Engage community-based organizations, community leaders, CA Native American tribes, and potentially affected residents in the planning process and provide education on ZEV transportation benefits.



Project Requirements (cont.)

- Develop webpages for project applicants and public that must include, at a minimum:
 - Online application forms;
 - Ability to submit applications;
 - Applicable documents and forms;
 - Ability to track total funds, both available and expended in real-time; and,
 - Ability to provide information on disbursements, such as a heat map.



Project Requirements (cont.)

- Collect and submit data on recipients.
- Develop plan to implement internal control processes and documentation standards to minimize errors, fraud, waste and abuse.
- Develop processes/procedures to issue incentive payments to projects within 15 days.
- Develop processes/procedures to allow third parties to provide funding.



Project Requirements (cont.)

- Establish, maintain, and submit all incentive project records.
- Establish separate accounts and implement procedures to separately accept, track, disperse and report on funding from 3rd party sources.



Project Selection and Award

- Competitive grant application process.
- Must pass administrative and technical screening.
- Must achieve a minimum score of at least 70% (112 of 160 points)
- Applications will be ranked according to final overall score.



Scoring Criteria

Scoring Criteria	Points
Team Resources, Qualifications, and Experience	40
Implementation and Technical Readiness	50
Budget	40
Innovation	30
TOTAL POSSIBLE POINTS	160



Award

- Results released through a published Notice of Proposed Award (NOPA).
- CEC will finalize agreement documents.
- Agreement presented at a CEC Business Meeting for approval.



Schedule

Activity	Action Dates (Tentative)
Pre-Solicitation Workshop	April 2, 2020
Solicitation Release	June 2020
Deadline to Submit Applications	August 2020
Anticipated Notice of Proposed Awards Posting	October 2020
Anticipated CEC Business Meeting Approval	December 2020
Agreement Execution	January 2021

We are not accepting applications at this time.



Upcoming Workshop

April 10

10 AM – 12 PM

**Staff Workshop via Webinar on Draft Solicitation Concept
for Zero-Emission Transit Fleet Infrastructure Deployment**



List Servers

The CEC uses list servers to announce and distribute information on topics including programs, projects, and workshops. You can subscribe to transportation energy list servers on the CEC website.

https://ww2.energy.ca.gov/listservers/index_cms.html

TRANSPORTATION ENERGY LISTS

- [transportation](#) - General Transportation and Petroleum Issues
- [altfuels](#) - Clean Transportation Program
- [bioenergy](#) - Bioenergy Action Plan
- [calevip](#) - California Electric Vehicle Infrastructure Project (CALeVIP)
- [lowcarbonfuels](#) - Low Carbon Fuels Production Program
- [schoolbusprogram](#) - School Bus Replacement Program
-
- [vgi_communications](#) - California Vehicle-Grid Integration Roadmap Update
- [fuelswatch](#) - Weekly Fuels Watch Report
-
- [petroleum_watch](#) - Monthly California Petroleum Watch (Analysis) Newsletter



Block Grant Discussion Questions

- What is missing from this concept that should be included?



Comments

Docket #:19-TRAN-02

E-Commenting System:

<https://efiling.energy.ca.gov/Ecomment/Ecomment.aspx?docketnumber=19-TRAN-02>

Email Docket Unit: DOCKET@energy.ca.gov

Reference (and include docket number "19-TRAN-02"):

“Blueprints for MD/HD ZEVs and ZEV Infrastructure”

Or

“Block Grant for MD/HD ZEV Infrastructure”

All comments due **by 5:00 p.m. on Thursday, April 16, 2020.**



Staff Contact Information

Katie Herter

Katie.Herter@energy.ca.gov

(916) 654-4405

Alex Wan

Alexander.Wan@energy.ca.gov

(916) 654-4880



Questions and Answers

Questions and Answers

- Feel free to send us your questions.
- Use the WebEx Chat Box only for question and comment submittal.



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