

Integrating Resilience Strategies for ZEV Infrastructure

RFP-25-039-HSEO-RCA

March 21, 2025

Agenda

- Welcome and Introductions
- Housekeeping items
- Overview of the Integrating Resilience Strategies for ZEV Infrastructure
- RFP Schedule and significant dates
- HlePro submittal
- Q&A

Housekeeping

- This meeting is being recorded. Continuing participation indicates your consent to be recorded.
- Please mute your line.
- Anything discussed during this webinar does not change any part of the RFP. All changes and/or clarifications shall be done in the form of a published addendum.
- The webinar will end at 12:00 P.M. or when all agenda items have been covered. In the event there are remaining questions, they may be submitted in writing.

Overview and Background

- \$51 M competitive made available nationally via Bipartisan Infrastructure Law (BIL) – Ride and Drive Electric
- Administered by the Joint Office of Energy and Transportation
- HSEO partnered with HIEMA, OHS, DAGS, and DOT to apply for funding.
- Hawai'i Revised Statutes (HRS) §103D-412, §196-9 (c)(11), §26-6(b)(13) require State agencies procuring any new light-duty passenger vehicles to prioritize the purchase of zero-emission vehicles (ZEVs), with the goal of 100% fleet conversion by 2035. The counties matched the State goal for fleets.

Project Goals & Objectives



Inventory State and County fleets, characterize usage patterns, and identify which vehicles used during emergencies.



Quantify/Identify the necessary charging infrastructure, energy resources, and backup systems that will contribute to the efficient deployment of resilient charging infrastructure to support government fleets during regular operations, but also during response and recovery efforts for all hazard events.



Inventory/Identify parking lots/facilities/locations suitable for resilient charging solutions, conduct necessary analysis and develop projects and implementation plans



Data Available



Partial inventory of several hundred State-owned parking facilities



Annual odometer data from safety checks



Vehicle registration data



Overview: Budget Period 1

Milestone	Task/Subtask Number
Project Management Plan Approved	0
Government Fleet and Usage Data Collected	1.2.3 Go/No-Go decision point between Phase 1 and Phase 2
Fleet and Usage Analysis Under Normal “Blue Sky” Conditions Completed	1.2.4
Fleet and Usage Analysis Under Emergency “Grey Sky” Conditions Completed	1.3.4

Task 0: Project Management Plan

- Kickoff Meeting
- Monthly update meetings and reports
- Assist HSEO with federal reporting requirements
- Final Project Report
- Presentations



Task 1.1: Data Management Plan

- Description of data and fields (data type, inter-data relationships)
- Data storage (how and where data will be stored)
- Protection of sensitive data (security, access/control)
- Metadata (source, provenance, date of creation)





Task 1.2: Fleet Charging Requirements (blue skies)

- Conduct inventory of State and County fleets
- Collect vehicle/fleet location and usage data, and conduct agency follow-ups
- Evaluate fleet charging requirements in blue skies

Task 1.3: Fleet Charging Requirements (grey skies)

- Develop methodology for determining which vehicles are essential vehicles
- Identify essential vehicles
- Determine usage of these vehicles in grey skies
- Evaluate charging requirements in grey skies



Overview: Budget Period 2

Milestone	Task/Subtask Number
Sufficient location data is collected to identify top locations for resilient charging solutions	2.1.3
Completion of technical and cost analysis for the top 10 resilient charging solution-location combinations. Top charging location-solution analysis is reviewed and approved	2.2.4
Completion, submission, and approval of the comprehensive plan for implementing resilient EV charging in Hawai'i	2.3.5
Completion, submittal, review, and approval of the Final Report	0.5



Task 2.1: Fleet Charging Locations Assessment

- Inventory government lots and facilities' specifications
- Develop criteria for evaluating locations for resilient charging
- Evaluate potential locations

Task 2.2: Identify Innovative Resilient Charging Solutions

- Develop or identify at least 5 resilient charging solutions that would cover at least 80% of essential vehicles
- Develop criteria for evaluating/prioritizing solutions
- Evaluate/Prioritizing resilient charging solutions
- Conduct a technical and cost analysis of each solution+location combo (10 projects covering 25% of essential vehicles)





Task 2.3: Develop Implementation Plan

- Develop implementation sheets for at least 10 projects covering at least 25% of essential vehicles
- Develop a near-term deployment strategy
- Explore expanding access of resilient charging to the general public
- Identify necessary policies and funding opportunities
- Produce a 5-year project investment schedule

Deliverables

- Set of project implementation sheets (Subtask 2.3.1)
- Deployment strategy (Subtask 2.3.2)
- Assessment and recommendation for ways to extend benefits of resilient charging to the general public (Subtask 2.3.3)
- 5-year project investment schedule (Subtask 2.3.5)
- Final report (Subtask 0.4)
- Project presentations (Subtask 0.5)

Narrative Project Proposal (Section 4.10)

1. Organizations Background, Capabilities, and Staffing
2. Approach and Demonstration of Comprehensiveness
3. Project Timeline and Budget Sheet
4. Comparable Sample Work

Important Reminders



RFP Schedule and
Significant Dates



HlePro Submittal

- **Deadline to submit questions** – March 28, 2025 at 4:30 P.M. via HlePRO
- **State's response to questions** – April 4, 2025 at 4:30 P.M. via HlePRO
- **Proposal Due** – April 17, 2025 at 2:00 P.M

* All times indicated are Hawai'i Standard Time (HST)

RFP Procedural Questions and Answers

- Please note: questions asked, and answers provided during this session shall be considered informal and do not change the RFP.
- All additional questions must be submitted through HlePRO.
 - Questions must be submitted by **March 28, 2025 at 4:30 P.M. via HlePRO (HST)**
 - Answers will be provided via the HlePRO site by **April 4, 2025 at 4:30 P.M.**

Questions and Answers

Please raise your hand or drop
questions in the chat



Mahalo for joining us

Please feel free to reach out to dbedt.hseo.solicitations@hawaii.gov with any procedural questions or comments