

# Department of General Services (DGS)

## 2024 Highlights & Lessons Learned

- The DGS Procurement Division awarded 51 different alternative fuel vehicle contracts.
  - Lessons learned: In future procurements, we will better define the parameters around vehicle types to ensure proposed vehicles are clearly identified.
- The DGS Office of Sustainability installed 395 Level 2 charging ports in 2024.
- The DGS Office of Sustainability's Clean Transportation Unit collected \$192,000 in charger incentives in 2024. This funding will be reinvested back into future EV charging projects.
- The DGS Office of Fleet and Asset Management (OFAM), in partnership with the California Department of Human Resources (CalHR), updated state rental car policies to allow for and encourage the use of Zero Emission Vehicle (ZEV) rentals where available under the State's Commercial Car Rental contract.

## Building Standards Commission

1. **Administration of the Title 24 Code Adoption Process:** Collaborate with regulation-proposing and expert agencies to advance building standards for increased ZEV infrastructure for the installation of electrical charging equipment and future development.

Lead Program: BSC

Key Collaborators: DSA, CARB, HCD, CEC, CPUC, GO-Biz

Key Results and Actions:

- a. Advance EV regulations via the 2024 Triennial Code Adoption Cycle (Completed)

**2024 Targeted Key Results:** Continue with the current rulemaking process with the objective to obtain commission approval and adoption of the BSC EV proposals in December 2024.

- **Outcome:** 2024 Triennial Code Update has been successfully administered and is currently being codified and published with a July 1, 2025, publishing date, and a January 1, 2026, effective date.
- b. Development with key ZEV collaborators of advanced electric vehicle provisions for non-residential applications throughout the state in the 2025 Intervening Code Adoption Cycle. (New)

### 2025 Targeted Key Results:

- Based on research, reassess EV charging percentages for the need of additional EV charging to achieve installation of 250,000 Level 2 EVSE and

## 2025 DGS ZEV Action Plan

10,000 DCFCs chargers to support 5 million ZEVs by the year 2030 based on AB 1738.

- Coordinate with various state agencies to address the ALMS power requirements.
- Research electrical charging for Personal transportation Vehicles (PTV's) such as e-bikes and e-scooters.
- Reassess existing EV provisions for additions and alterations to existing parking facilities and/or alterations to existing buildings to clarify scope to avoid unintended application of the code for certain building additions or alterations.

### c. Develop 2025's Agency Action Plan (New)

#### 2025 Targeted Key Results:

- Conduct workshops to gather input from subject matter experts and ZEV advocates and utilize the CALGreen EV Workgroup to develop code changes to advance EV provisions for non-residential occupancies (BSC). **Summer/early Fall of 2025.**
- Submit Initial code changes to the Building Standards Commission (BSC) for the 2025 Intervening Code Adoption Cycle. **December 2025.**
- Code Advisory Committee review to occur in **Winter of 2026.** Public comment phase in late **Spring of 2026** for the new ZEV standards in the Green Building Standards Code (CALGreen).
- Prepare the rulemaking filed in preparation of the formal 45-day public comment period.
- Present state agency code changes to the California Building Standards Commission (CBSC) for the 2025 Intervening Code Adoption Cycle.

## Procurement Division

- 2. Statewide Contracts for ZEVS and supporting equipment:** Establish contracts that are available for use by state and non-state government entities.

Lead Program: DGS' Procurement Division; Office of Fleet and Asset Management

Key Collaborators: State fleet owning agencies, Local and Regional Government; NGOs; Air Districts

Key Results and Actions:

### a. Hydrogen Fuel Contract (Continued)

**2024 Targeted Key Results:** Establish a Statewide Contract for Hydrogen Fuel for state and local government entities. Market research is currently in progress. On 1/4/24, a customer survey was released to state departments to capture their need for Hydrogen Fuel. On 2/26/24, a Request for Information (RFI) was posted on the California State Contracts Register (CSCR) to obtain feedback from the supplier community to better understand their capabilities. Responses are currently under review. Anticipated award is late 2024/early 2025.

- **Outcome:** The solicitation release date for Low Carbon Hydrogen Fuel was

*pushed out to early 2025 at the request of Go-Biz to give the industry an opportunity to apply the new 45V Hydrogen Production Tax Credit into their bid prices. The solicitation was released on 2/5/2025; the bid due date was 3/12/2025. Two bids were received and are currently in evaluation. A contract award is expected by summer 2025.*

### 2025 Targeted Key Results:

#### Establish Statewide Contracts for the following:

1. New Alternative Fuel Vehicles, in light, medium, and heavy-duty vehicles. Alternative fuels include ZEV and plug-in hybrid electric. The ZEV First policy requires state agencies to prioritize zero-emission vehicles over internal combustion engine (ICE) vehicles. Executive Order N-79-20 aims to end sales of light-duty ICE passenger vehicles by 2035 and medium- and heavy-duty vehicles by 2045. Therefore, it is imperative that state departments have as many ZEV options as possible to comply with ZEV policies while meeting their operational needs.
2. Zero Emission Transit Buses for local transit agencies. New contracts will replace the previous contracts for zero emission transit buses. The total spend from the previous contracts is approximately \$350 million. The new solicitation included 18 bus groups ranging from 30 feet to 60 feet buses, and cutaway buses. Fuel types included battery electric and fuel cell.

### Office of Sustainability

3. **Fleet and Workplace Infrastructure:** Lead state government efforts to install fleet and workplace charging to enable and support accelerated fleet electrification.

Lead Program: Office of Sustainability

Key Collaborators: All agencies and departments with fleets; DGS Real Estate Division

Key Results and Actions:

- a. EV Charging Leadership Meetings (Continued)

**2024 Targeted Key Results:** Continue holding stakeholder meetings that help educate and inform state departments on EV charging technologies, changes in policies and external programs.

- **Outcome:** Four meetings were held in 2024 that provided education regarding energy emergency protocols for EV chargers at state buildings and procurement pathways for EV chargers.

**2025 Targeted Key Results:** Continue holding stakeholder meetings that help educate and inform state departments on EV charging technologies, changes in policies and external programs.

- b. Purchase EV Arcs (Continued)

**2024 Targeted Key Results:** Continue to purchase EV Arcs for state departments.

- **Outcome:** Office of Sustainability's Clean Transportation Unit purchased 39 EV Arcs (78 Level 2 charging ports) for eight state departments in 2024.

**2025 Targeted Key Results:** Continue to explore departmental EV Arc needs and capitalize on procurement opportunities.

c. Installation of Level 2 EV Charging Ports (Continued)

**2024 Targeted Key Results:** Continue the planning, project development and installation of over 500 Level 2 EV charging ports at various state facilities for both fleet and some workplace charging. Also install DC fast charging when appropriate particularly for medium- and heavy-duty ZEVs that will be added to the state fleet.

- **Outcome:** Office of Sustainability's Clean Transportation Unit installed 395 Level 2 charging ports in 2024.

**2025 Targeted Key Results:** Install an additional 500 Level 2 charging ports in 2025.

d. EV Charging Infrastructure Program Outreach (Continued)

**2024 Targeted Key Results:** Continue internal and external outreach by giving presentations to various stakeholders about the DGS OS-Clean Transportation Unit's EV charging infrastructure program.

- **Outcome:** In 2024, two general meetings were held with various stakeholders across the state. These meetings provided program updates regarding OSCTU as well as updates on a variety of topics including the following: Statewide EV Contracts, Repair procedures, Economic Impact Study, Charger Incentives, Bi-Directional charging, etc.

**2025 Targeted Key Results:** Continue internal and external outreach by giving presentations to various stakeholders about the DGS OS-Clean Transportation Unit's EV charging infrastructure program.

e. Receive Additional Funding from Incentive Programs for EV Charging Projects (Continued)

**2024 Targeted Key Results:** Continue participating in utility and state charger incentive programs on behalf of our state client departments to receive additional funding to be re-invested in their new EV charging projects.

- **Outcome:** Office of Sustainability's Clean Transportation Unit collected \$192,000 in charger incentives in 2024. This funding will be reinvested back into future EV charging projects.

**2025 Targeted Key Results:** Continue participating in utility and state charger incentive programs on behalf of our state client departments to receive additional funding to be re-invested in their new EV charging projects.

f. Facilitate Additional Funding from Incentive Programs for Client EV Charging Projects (Continued)

**2024 Targeted Key Results:** Office of Sustainability's Clean Transportation Unit will work to expand to other departments in registering their chargers in the Low Carbon Fuel Standard (LCFS) program.

- **Outcome:** Office of Sustainability's Clean Transportation Unit registered over 200 chargers in the LCFS program as of March of 2025.

**2025 Targeted Key Results:** *Continue to register chargers in the LCFS program.*

4. **Fleet and Workplace Infrastructure (cont.):** Identify opportunities and encourage use of public hydrogen stations.

Lead Program: Office of Sustainability

Key Collaborators: Office of Fleet and Asset Management, Governor's Office of Business and Economic Development, California Energy Commission, California Air Resources Board

Key Results and Actions:

- a. Familiarity in Hydrogen Fueling Advancements (Continued)

**2024 Targeted Key Results:** Continue to keep up on the latest hydrogen technological changes and attend the California Hydrogen Leadership Summit.

- **Outcome:** *Continued to keep up on the latest hydrogen technological changes by reviewing notes of the California Hydrogen Leadership Summit held in May of 2024.*

**2025 Targeted Key Results:** *Sending staff to the June 2025 Hydrogen Charging Summit.*

- b. Hydrogen Charging Needs (Continued)

**2024 Targeted Key Results:** Engage by setting up at least one meeting in 2024 to collaborate with OFAM and GO-Biz, CEC and CARB to determine how to leverage public hydrogen stations to meet charging needs for state fleet, based upon location and volume of need.

- **Outcome:** *Meeting occurred in April 2024 for this, and additional meetings and information were needed. As time progressed hydrogen fueling stations were determined to be unprofitable for investors and less and less fueling stations are available. Shell one of the largest proponents of Hydrogen fueling, has ceased selling all hydrogen fuels altogether in 2024. Vehicle manufacturers have followed suit and less and less hydrogen vehicles are being manufactured.*

**2025 Targeted Key Results:** *Continue to monitor hydrogen fueling as a whole in California and continue to have conversations with OFAM, CARB, CEC, and Go-Biz as things progress.*

## Office of Fleet and Asset Management

5. **State Fleet ZEV Utilization and Adoption:** Implement additional vehicle procurement and utilization policies for the state fleet to meet and/or exceed the timelines outlined in the Climate Groups ZEV Pledge for public fleets.

Lead Program: Office of Fleet and Asset Management

Key Collaborators: All state fleet-owning and fleet-operating agencies, Department of Finance.

Key Results and Actions:

a. **Resume Statewide ZEV Workgroup (Continued)**

**2024 Targeted Key Results:** Continue collaborating with the workgroup members to draft comprehensive ZEV Home Charging Policy Guidelines by December 2024. These guidelines will establish general parameters that state agencies can follow to develop and implement ZEV Home Charging policies that can support their respective operational needs.

- **Outcome:** OFAM worked with other states and the National Renewable Energy Lab to develop an electricity cost reimbursement methodology for CalHR consideration. OFAM continues to work on ZEV Home Charging policies and guidance that will accompany any reimbursement method adopted by CalHR.

**2025 Targeted Key Results:** OFAM will continue collaborating with CalHR and the statewide ZEV Workgroup to refine and publish the ZEV Home Charging Policy Guidelines. These guidelines will establish general parameters that state agencies can follow to develop and implement ZEV Home Charging policies that can support their respective operational needs.

b. **Issue updated Statewide ZEV Policies (Continued)**

**2024 Targeted Key Results:** Continue to refine proposed policies in collaboration with the Government Operations Agency, the Department of Finance, and the State Equipment Council to finalize and issue the policies by January 1, 2025.

- **Outcome:** The new ZEV policies are still under review and development as several considerations need to be accounted for including fiscal impact.

**2025 Targeted Key Results:** DGS continues to work on new ZEV purchasing policies for the light-duty fleet and is targeting a January 1, 2026 release date.

6. **Electrification Opportunities:** Identify state fleet electrification opportunities based on telematics data to strategically incorporate ZEVs into the state fleet.

Lead Program: Office of Fleet and Asset Management

Key Collaborators: State fleet-owning and fleet-operating agencies.

Key Results and Actions:

a. **ZEV Conversion Candidate Selection (Continued)**

**2024 Targeted Key Results:** Complete device installation and activation by June 30, 2024, and begin collecting statewide telematics data July 1, 2024. Analyze the first six months' data by January 31, 2025, and 12 months' data by July 31, 2025, to produce a statistically valid usage data analysis and electrification recommendations.

- **Outcome:** The state fleet is currently at an 82 percent telematics installation rate, which is short of the 97% threshold for compliance. OFAM worked with all deficient agencies to assist them in developing a telematics implementation plan to achieve a 97 percent rate. Those plans were due to OFAM April 1, 2025.

**2025 Targeted Key Results:** *OFAM will continue monitoring agencies' telematics implementation rate to reach the statewide 97 percent substantial compliance rate by June 30, 2025. OFAM will collect and aggregate the first six months' telematics data by December 31, 2025, and 12 months' data by June 30, 2026, to produce an accurate and complete utilization data to identify ideal electrification candidates.*

7. **Surplus ZEV Distribution:** Develop policies to encourage ZEVs retired from the state fleet to directly benefit communities most in need.

Lead Program: Office of Fleet and Asset Management

Key Collaborators: State fleet-owning agencies, Local and Regional Governments, NGOs, Air Districts

Key Results and Actions:

a. **ZEV Distribution in Priority Communities (Continued)**

**2024 Targeted Results:** Engage with the new state surplus vehicle auction vendor and other dealerships to promote the Clean Cars 4 All program in collaboration with CARB and local air districts. Collect usage and age data of the state's ZEV fleet to identify candidates for the Clean Cars 4 All program by December 31, 2024, and partner with the applicable state agencies to redistribute their surplus ZEVs through the Clean Cars 4 All program.

- **Outcome:** *As the average age of an active state-owned light-duty passenger vehicle is 8.2 years old, the state surplus vehicles are not appropriate candidates for this program, which incentivizes the purchase of 8-year-old or newer ZEVs and hybrids*

**2025 Targeted Key Results:** *Discontinued. Due to the age of the state's surplus vehicles and the continued lack of interest from the vehicle dealers, OFAM determined that further efforts would be unproductive and would not lead to the desired result.*

8. **Commercial ZEV Rental Utilization:** Implement Statewide policy and develop resources to increase the utilization of ZEV commercial vehicle rentals by state employees.

Lead Program: Office of Fleet and Asset Management

Key Collaborators: All state or local government agencies.

Key Results and Actions:

a. **Encourage ZEV Rental Use (Completed)**

**2024 Targeted Key Results:**

- In partnership with CalHR, update State Administrative Manual (SAM) to encourage ZEV rentals when available and practical to meet business operational needs.
- **Outcome:** SAM section 4117.2 was updated to encourage state employees

to rent ZEVs where available and feasible. Further, in June 2024, CalHR updated the CALHR Manual section 2201 to allow state employees to receive reimbursement for using ZEVs, while conducting approved state business if such use is feasible, available, in the best interest of the state, and through an applicable state contract that supports approved statewide initiatives.

- Identify additional locations most suitable for ZEV expansion. Work with commercial car rental vendor, to improve ZEV messaging and visibility in the state's authorized online self-booking tool.
- **Outcome:** ZEV messaging was added to the state's authorized online self-booking tool to socialize and promote the use of ZEVs.
- Continue to partner with the California Energy Commission (CEC), DGS Office of Sustainability (OS), and Office of Fleet and Asset Management (OFAM) to develop educational and training materials to educate travelers on ZEVs.
- **Outcome:** Training materials and user guides were developed to educate travelers on renting ZEVs.

**9. NEW! Commercial ZEV Rental Utilization:** Develop ZEV Procurement Requirements and Booking Functionality.

Lead Program: Office of Fleet and Asset Management

Key Collaborators: All state or local government agencies.

Key Results and Actions:

**2025 Targeted Key Results:**

- Develop and execute a new Commercial Car Rental (CCR) Services contract that incorporates ZEV requirements and preference points for bidders based on Public Contract Code 10372.
- Implement a new user interface in the state's authorized online self-booking tool to allow the ability to book ZEVs, including the ability to filter car rentals to display only ZEVs.