



# Fleets. Facilities. Fuels.

## Accelerating the transition to low-carbon, hybrid, and zero-emission vehicles for federal fleets and installations

The ongoing mobility transition toward zero-emission vehicles (ZEVs) is transforming how federal agencies move people and goods—the traditional boundaries of how vehicles are fueled, stored, and utilized are being redefined. Furthermore, a changing climate and an increase in extreme weather conditions are creating an urgent need to adapt mission capabilities to incorporate resilient equipment and installations.

Fleet managers will need to assess the impact of incorporating ZEVs into their daily operations. These vehicles will require updates to existing infrastructure and operating procedures, specifically in the areas of fleets (types of vehicles), fuels (including electricity), and facilities (such as alternative fueling infrastructure). These updates will also be critical to enabling new vehicles to achieve their mission while creating a more resilient infrastructure network.

Guidehouse provides a portfolio of turnkey mobility program offerings and leverages its experience from more than 300 ZEV projects in both the commercial and government markets to support federal agencies with their ZEV transition. We have developed analytical tools, datasets, and processes that inform the development of a transition roadmap. These tools include the ability to evaluate the usage of a vehicle at an asset tag level to determine its ideal ZEV replacement; associated fleets, facilities, fuels investments required; and benefits realized. This approach enables coordination among stakeholders, including centralized and local leadership, to develop and implement a strategy tailored to meet the organization's objectives, as well as broader resilience and decarbonization targets.



## Case Studies

- Fleets: Federal Aviation Administration**  
Guidehouse supported FAA's fleet management team to develop an electrification plan its 4,700 vehicles. This strategy included a proposed integration with efforts of FAA's facilities management team in order to achieve the objectives outlined in Executive Orders 14008 and 14057.
- Facilities: Amazon**  
Guidehouse developed a stakeholder strategy in collaboration with Ceres and the California Trucking Association to support Amazon in identifying common challenges and recommending actions to make facility electrification more efficient, environmentally friendly, and cost-effective.
- Fuels: Ontario Power Generation**  
Guidehouse developed a strategy for Eastern Canada utility Ontario Power Generation, identifying strategic goals and estimating \$3 million potential fuel savings from fleet conversion over 15 years.

## Contacts

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## About Guidehouse

Guidehouse is a leading global provider of consulting services to the public sector and commercial markets, with broad capabilities in management, technology, and risk consulting. By combining our public and private sector expertise, we help clients address their most complex challenges and navigate significant regulatory pressures, focusing on transformational change, business resiliency, and technology-driven innovation. Across a range of advisory, consulting, outsourcing, and digital services, we create scalable, innovative solutions that help our clients outwit complexity and position them for future growth and success. The company has more than 16,500 professionals in over 50 locations globally. Guidehouse is a Veritas Capital portfolio company, led by seasoned professionals with proven and diverse expertise in traditional and emerging technologies, markets, and agenda-setting issues driving national and global economies. For more information, please visit [www.guidhouse.com](http://www.guidhouse.com)



# ZEV Fleet Integrated Project Management Office

Guidehouse supports end-to-end execution of all full-site conversion components through a phased process. Ramp-up begins with planning (two to four months) followed by program design and launch (additional two to six months). The integrated project management office operation phase can scale to the needed agency footprint and sustain for the commensurate duration needed to achieve agency fleet goals.

|                  | Phase 1:<br>Plan (~2-4 months)                                                                                                                            | Phase 2:<br>Program (~2-6 months)                                                                                                                                               | Phase 3:<br>Operate (~2 to 4 years)                                                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | Total Estimated Time (~2.5-5 years) to Full Operational Capability                                                                                        |                                                                                                                                                                                 |                                                                                                                                                                         |
| Acquisition      | <b>Fleet Sustainability Assessment</b><br>Begin developing a zero-emission fleet strategy non-tactical fleet.                                             | <b>Fleet Conversion Program Design</b><br>Engage specifications team, operators, fleet, procurement, and finance to amend and execute purchasing program.                       | <b>Fleet Conversion Continuation</b><br>Build skill set and capacity to continually evaluate emerging technology and platforms to fill in white space.                  |
| Infrastructure   | <b>Facility Resiliency Assessment</b><br>Develop (or refresh) the baseline understanding of facilities involved and current state of infrastructure/grid. | <b>Initiate Facility Upgrades</b><br>Agree on resilient facility future state, develop & initiate capital improvement plans at key facilities to match ZEV deployment schedule. | <b>Facility Upgrade Routine</b><br>Embed facility upgrades into overall capital and O&M planning to ensure that investments, offsets, and resiliency metrics are clear. |
| Interoperability | <b>Asset Security &amp; Standards Plan</b><br>Scope data requirements, security, and interoperability for each asset group.                               | <b>Systems Assessment</b><br>Leverage vehicle specifications as well as facility and grid future state to identify and select network/data management partners.                 | <b>Systems Integration</b><br>Complete contract negotiation (including security and liability) and install systems where the infrastructure is in place.                |
| Change Mgmt.     | <b>Stakeholder Assessment</b><br>Identify key stakeholders to specify leading indicators and clarify the organization's capacity for change.              | <b>Operations Assessment</b><br>Visualize potential changes to "how we work" and engage a cross-functional team to optimize the specified vehicles.                             | <b>Continuous Improvement</b><br>Monitor utilization of new platforms and actively lead cross-functional problem solving across all stakeholders.                       |