Electrification of Heavy Duty Trucks

Colorado Energy Research Collaboratory

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## Freight Electrification

### Pilot Project
- **High-level Overview & Project Goals**
- **Project Stages**

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<tr>
<th>Stages</th>
<th>Details</th>
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<tr>
<td>Listening tour/landscape assessment</td>
<td>Define opportunities and challenges, identify pilot cities and participating fleets</td>
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<td>Document vehicle and infrastructure procurement process</td>
<td>Conduct operational analyses</td>
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<td>Create case studies and issue briefs to document and share results</td>
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<td>Develop potential policy options/ victories</td>
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Policy Opportunities for Freight Electrification

Incentives and Targets

• CA Advanced Clean Truck Rule
• MD/HD fleet procurement goals & procurement requirements
• Toll reductions
• Sales tax exemptions
• Weight limit exemptions
• Zero/Low Emission Zones
• Clean Fuels Standard
• Green Loading Zones
• Truck Stop Electrification Requirements

Utility Programs

• Streamlined EVSE Permitting
• Recovery of Cost - "Behind the Fence" Charging Infrastructure
• On-bill Financing – EVSE upgrades
• Commercial Rate Design
• Utility EVSE Ownership
Freight Electrification Pilot Project

• Issue Brief #1 - Electrifying Freight: Solutions to Increasing Production and Sales of Electric Trucks
  • Highlights central obstacles to increasing production and sales
  • Highlights effective solutions and strategies, and who needs to implement them
  • Challenges and strategies sourced from a variety of freight industry stakeholders
  • Release next month
• Potential Topics for Next Issue Brief:
  • How & when zero emission zones and corridors can accelerate MHDEV deployment.
  • Charging infrastructure planning and resiliency that withstands time, evolution, and disaster
  • Private vs. shared charging infrastructure and when each makes sense.

• Focused stakeholder discussions surrounding each topic
  • Dates and times TBA
Electric Vehicle (EV) State Policy Bootcamp

- North Carolina, September 16-17
- Virginia, September 24-25
- Future bootcamps coming for Nevada, Michigan, and the Midwest
Next Steps

• Opportunity to be involved with pre-release of issue brief #1
• Contribute ideas for issue brief #2
• Looking for additional fleet partners where value can be added for MD HD electrification
• Join EV State Policy Bootcamps
The Electrification Coalition

Online:
www.ElectrificationCoalition.org
@ElectricRoadmap

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