

Public Fleet Electrification: A Key to Furthering Global EV Adoption

13 June 2022



EV Adoption Programs Around the U.S.

The Electrification Coalition is a nonpartisan, nonprofit organization dedicated to driving the policies and actions that will electrify all modes of transportation to protect **economic and national security**, **public health**, and **American jobs**.



Technical Lead

Climate Mayors EV Purchasing Collaborative



State EV Policy Accelerator

NV, MI, PA, VA, NC



Electrification Advisor

Bloomberg American Cities Climate Challenge



Lead Electrification Partner

Smart Columbus



Project Lead

Washington, DC and USVI Roadmaps



Pilot Program Leader

Freight and Goods Delivery Electrification



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The Problem



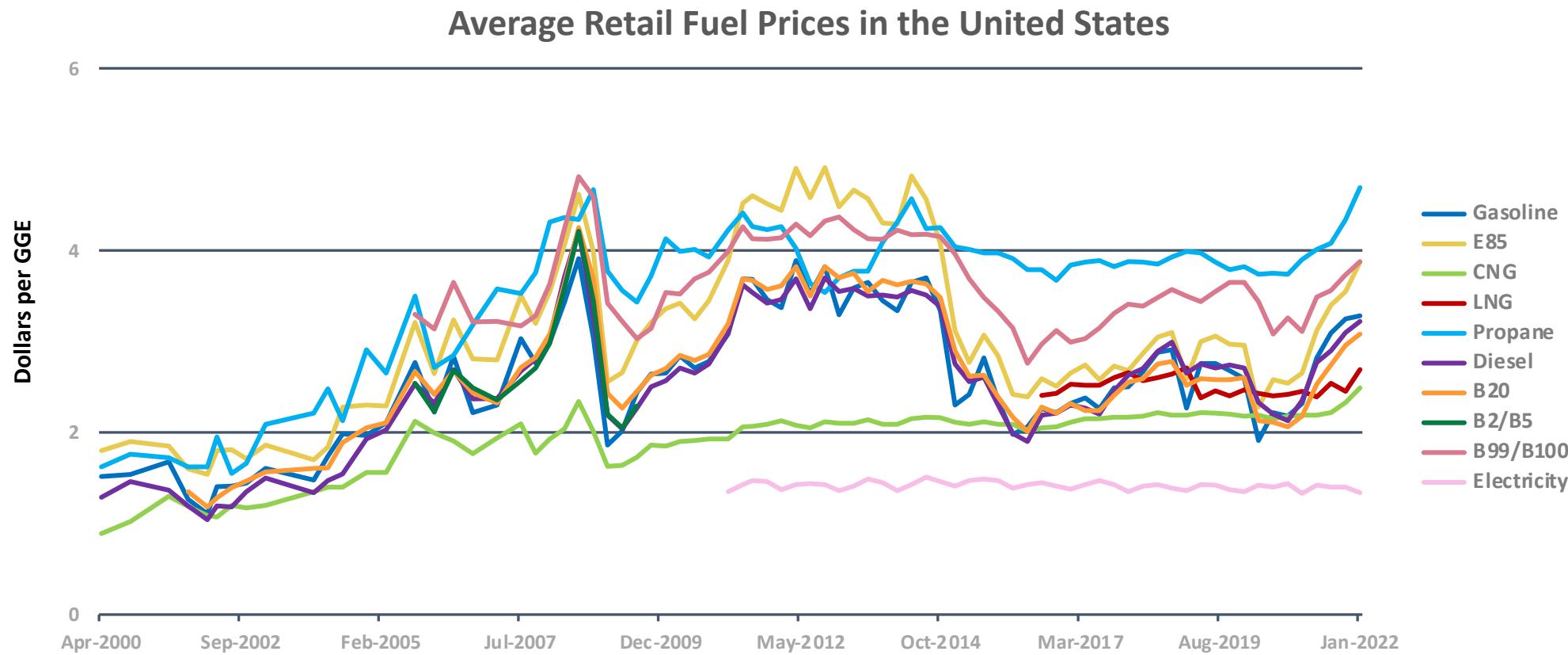
We are heavily dependent on an unstable oil market.

The U.S. is the **world's largest consumer** of crude oil and petroleum, accounting for nearly **20% of daily global oil demand** with only **4% of the world's population**. Europe is also heavily dependent on Russian oil.

- 92% of America's transportation sector is dependent on oil-based fuels.
- Transportation is responsible for approximately 70% of all U.S. petroleum consumption.

National Security

Because oil markets are manipulated by OPEC and other national oil companies, our dependence poses **economic and national security risks**.



Source: Clean Cities Alternative Fuel Price Reports

Why Electric Fleets?



Cost Savings



Environmental Benefits



Improved Air Quality



Community Visibility



Reduce Oil Dependence



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City Policy Toolkit

The EV Policy Toolkit outlines key policies within five categories:

- Multi-sector
- Freight
- Fleets
- Charging infrastructure
- Consumers



Electrifying Transportation in Municipalities:

A Policy Toolkit for Electric Vehicle Deployment and Adoption at the Local Level

August 30, 2021



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About the Author: The Electrification Coalition is a nonpartisan, not-for-profit group committed to promoting policies and actions that facilitate the deployment of plug-in electric vehicles (EVs) on a mass scale to combat the national security and economic dangers caused by America's dependence on oil. Coalition supporters represent the entire electrified transportation value chain, positioning the organization as a dedicated rallying point for an array of electrification allies.

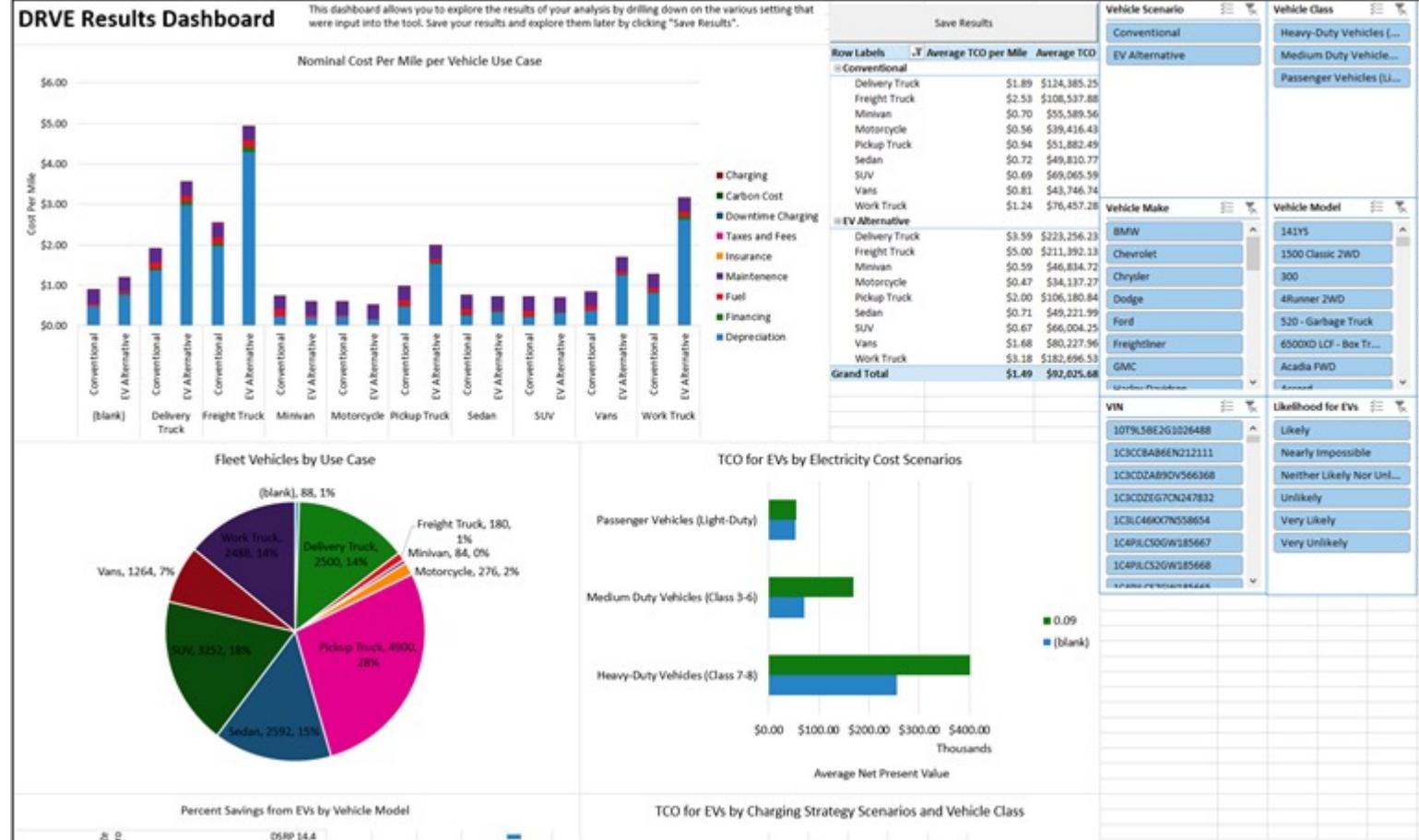
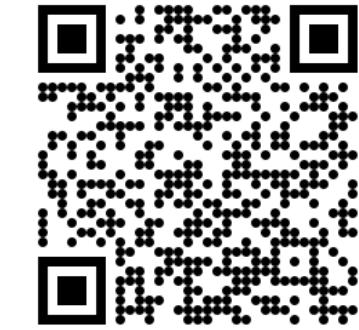
Summary of key local policies		Benefits & impact					Difficulty to pass	Current cost to implement
		Direct GHG reduction	Health	Equity benefits	Jobs	Market impact		
Charging infrastructure	1. Infrastructure deployment	●	●	●	●	●	●	●
	2. EV-ready buildings & businesses	●	●	●	●	●	●	●
	3. Equitable charging	●	●	●	●	●	●	●
	4. Streamlined charging approval (permits)	●	●	●	●	●	●	●
Multi-sector	5. Zero emission (ZE) areas, diesel bans, or similar	●	●	●	●	●	●	●
	6. Road tolls and CO ₂ -focused congestion pricing	●	●	●	●	●	●	●
	7. Funding for electric vehicles and charging	●	●	●	●	●	●	●
Freight	8. Zero emission freight/delivery zones/curb access	●	●	●	●	●	●	●
	9. Zero emission ports and inland hubs/warehouse districts	●	●	●	●	●	●	●
Fleets (buses, light-duty)	10. Zero emission bus requirements & rollout	●	●	●	●	●	●	●
	11. Fleet EV funding and business models	●	●	●	●	●	●	●
	12. Light-duty city fleet requirements	●	●	●	●	●	●	●
	13. EV procurement and use policies (all classes)	●	●	●	●	●	●	●
Consumer	14. ZE mobility service provider/taxi deployment	●	●	●	●	●	●	●
	15. City programs for faster uptake (bulk purchase agreements & dealer & education campaigns) (action)	●	●	●	●	●	●	●



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Dashboard for Rapid Vehicle Electrification (DRVE)



www.electrificationcoalition.org/drve/

Climate Mayors EV Purchasing Collaborative

The Climate Mayors EV Purchasing Collaborative (the Collaborative) is a partnership designed to help accelerate the electrification of public fleets across the country.

Through the website and staff support, the Collaborative works to reduce the costs and barriers to electrifying fleets to make it easy for public fleets to go electric.

www.DriveEVfleets.org



Staffing and Support Resources

Customized and **free** technical support including:



Analysis of current fleet and vehicle recommendations

Best practices and case studies

Connections to leading fleets and vendors

Parity of vehicle offerings and technical support across the US

Connection to a cohort of public agencies

Case Studies



Municipal Fleet Electrification

A Case Study of Ann Arbor, MI
June 2020



Saving Money with Electric Vehicle Leasing

A Case Study of City Fleets
November 2020



Municipal Fleet Electrification

A Case Study of Cincinnati, OH
April 2020



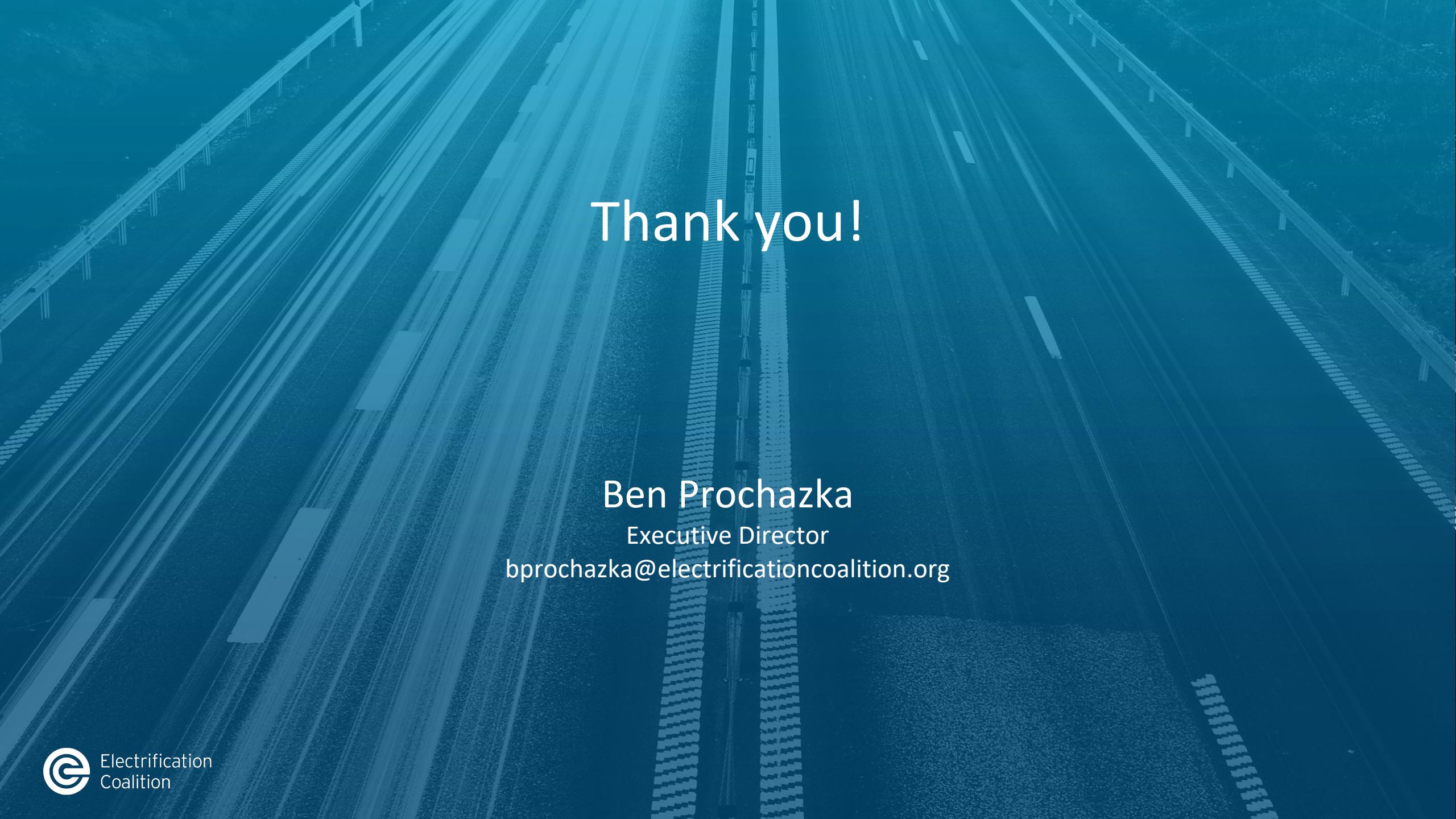
Braving the Storm

Des Moines, IA: City Fleet EV Deployment in Cold Weather
April 2021



Find these and more at: driveevfleets.org/case-studies





Thank you!

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