

Office Hours Live Chat

Electric Vehicle Infrastructure: Potential and Roadblocks

Brought to you by
NAED's Futures Group



Futures Group Members

Paul Kennedy	Dakota Supply Group	CEO
John Harman	Kendall Electric	CEO
John Kerkhove	Horizon Solutions	President
"Sully" Sullivan	ABB	EVP Electrification
Bill Waltz	Atkore	President & CEO
Darrell Smith	Agilix Solutions	President
Steve Blazer	Blazer Electric Supply Company	President
Scott Teerlinck	Crescent Electric Supply Company	President & CEO
David Rosenstein	Connexion	President & CEO

What we do every month

- Podcasts
- Newsletter articles
- Office Hours live discussions based on podcast and newsletter topics
- Subscribe at naed.org/futures

EV Charging Infrastructure

- Current state
- Market opportunities and growth potential
- Public funding and insights
- Roadblocks/Hurdles
- Crazy thoughts about the future

Today's Guests

- Cassie Powers, Senior Managing Director, NASEO
- Matthew Young, Business Development Leader, Transportation Electrification, ABB
- Mark Dancer, CEO, Network for Business Innovation

BUT FIRST! Our polls...



*National Association of
State Energy Officials*

Transportation Electrification Federal Funding Opportunities

Cassie Powers, NASEO
December 8, 2022



About NASEO

- The only national non-profit association for the governor-designated energy officials from each of the 56 states and territories
- Serves as a resource for and about the State Energy Offices through topical committees, regional dialogues, and informational events that facilitate peer learning, best practice sharing, and consensus building
- Advances the interests of the State and Territory Energy Offices before Congress and the Administration
- Learn more at www.naseo.org

NASEO Board of Directors

Chair: Kelley Smith Burk, Florida

Vice-Chair: John Williams, New York

Treasurer: Molly Cripps, Tennessee

Secretary: Will Toor, Colorado

Past Chair: Andrew McAllister, California

Parliamentarian: Jason Lanclos, Louisiana

Regional Representatives:

Eddy Trevino, Texas

Dan Lloyd, Montana

David Althoff, Jr., Pennsylvania

Mary Beth Tung, Maryland

Michelle Gransee, Minnesota

Chad Kruse, Illinois

Dan Burgess, Maine

Patrick Woodcock, Massachusetts

Kenya Stump, Kentucky

Mitchell Simpson, Arkansas

Michael Furze, Washington

Richard Stover, Idaho

Affiliates Co-Chairs:

Anne Smart, ChargePoint

Heather Reams, CRES

State Energy Offices

- Advance practical energy policies
- Advise governors and legislators on energy issues and inform regulatory processes
- Support energy technology research, demonstration, and deployment
- Support the private sector's advanced manufacturing efforts as a means to create and retain jobs

Buildings

Electricity

Transportation

Energy Security

Workforce
Development

Equity

State Energy
Planning

Energy
Financing

Technology
Innovation

Transportation Provisions in the IIJA: EVs

Select Transportation Electrification Provisions

Provision	Funding Amount
National EV Formula Program -- <i>Formula to State DOTs</i> -- <i>Fast charger investment along corridors</i> -- State plans approved, states releasing RFPs now	\$5 billion (U.S. DOT)
Charging and Fueling Infrastructure Program -- <i>Discretionary grant program</i> -- <i>Corridor fueling and community charging</i> -- <i>Public entities eligible</i> -- Funding announcement from U.S. DOT expected soon	\$2.5 billion (U.S. DOT)
Joint Office of Energy and Transportation -- www.driveelectric.gov	\$300 million (U.S. DOT/U.S. DOE)



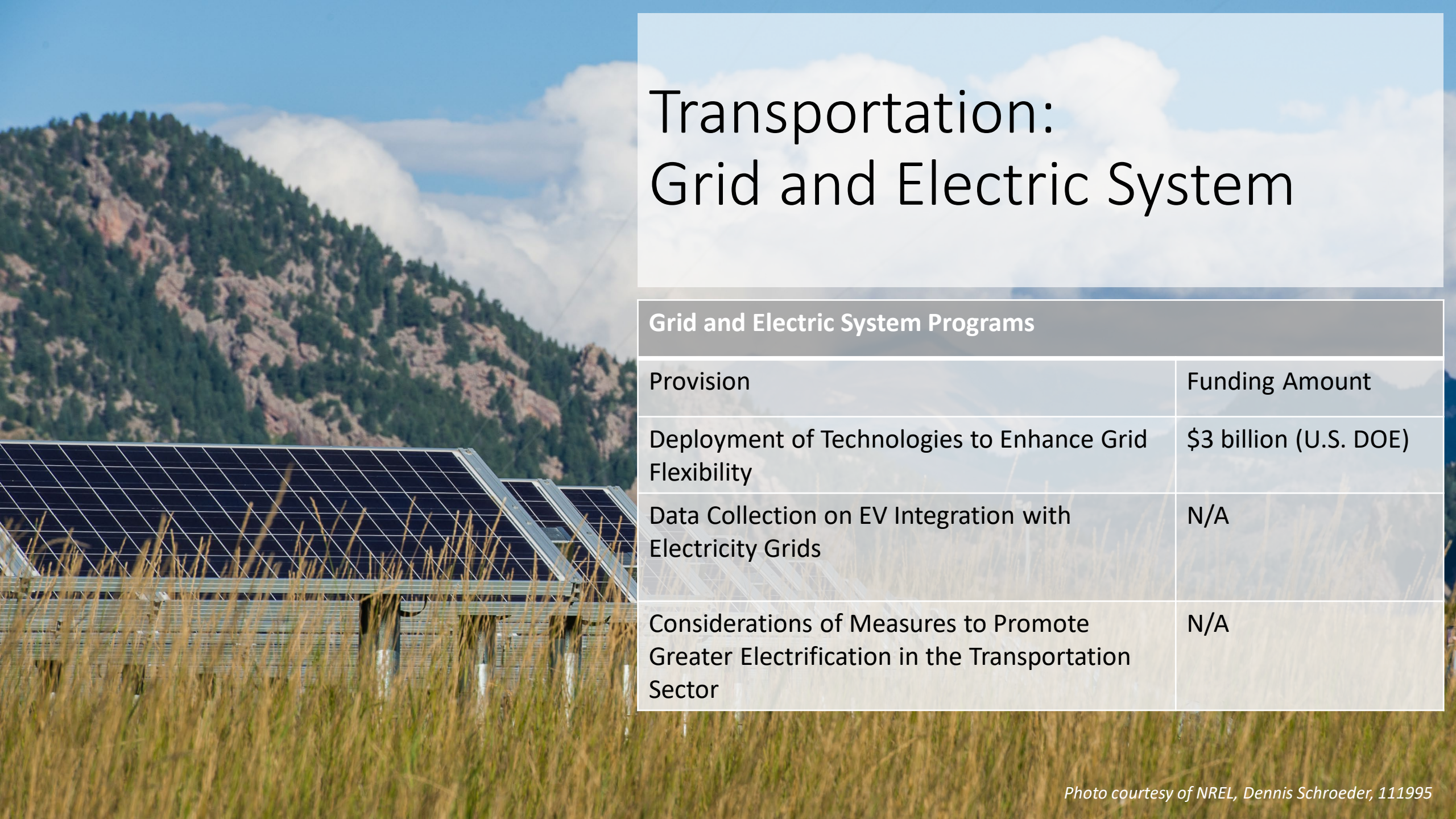
Transportation: Buses and Fleets

Buses and Fleets Programs

Provision	Funding Amount
Grants for EE and RE Improvements and Schools	\$500 million (U.S. DOE)
Clean School Bus Program	\$5 billion (U.S. EPA)
Grants for Buses and Bus Facilities – Fleet Transition Plan	\$3.838 billion (U.S. DOT)



Photo Courtesy of NREL, Brian Foulds/Concord-Carlisle Regional School District, 109829



Transportation: Grid and Electric System

Grid and Electric System Programs

Provision	Funding Amount
Deployment of Technologies to Enhance Grid Flexibility	\$3 billion (U.S. DOE)
Data Collection on EV Integration with Electricity Grids	N/A
Considerations of Measures to Promote Greater Electrification in the Transportation Sector	N/A



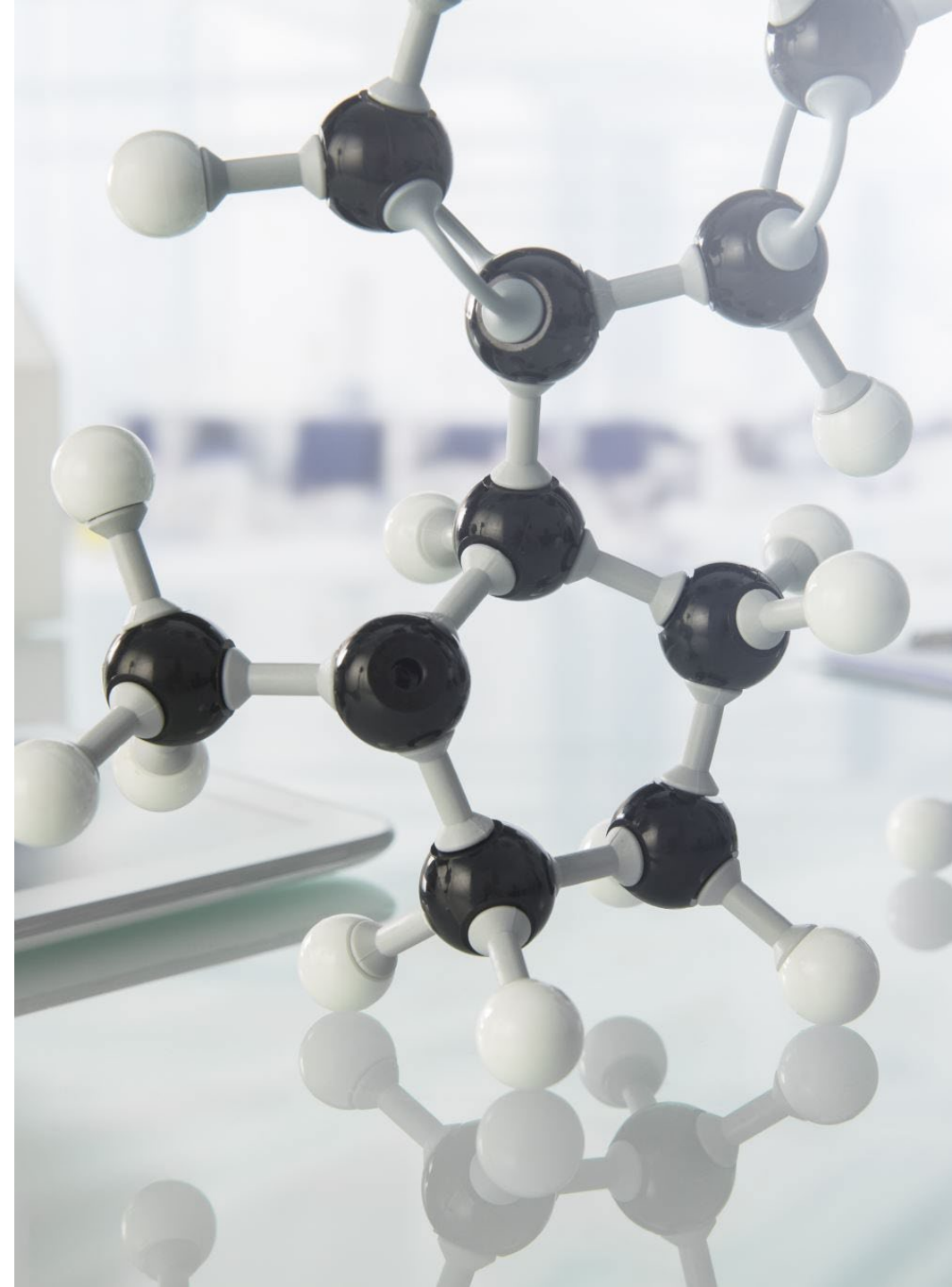
Transportation: Ports and Ferries

Ports and Ferries Programs

Provision	Funding Amount
Reduction of Truck Emissions at Port Facilities	\$250 million (U.S. DOT)
Electric or Low Emitting Ferry Pilot Program	\$250 million (U.S. DOT)
Port Infrastructure Development Program	\$2.25 billion (U.S. DOT)

Transportation: Research, Deployment and Additional Funds

Additional Research and Studies	
Provision	Funding Amount
Critical Minerals Mining and Recycling Research	\$400 million (U.S. DOE)
Study on Impact of EVs	N/A
Study on Impact of Forced Labor in China on EV Supply Chain	N/A
State Energy Program -- <i>Formula to State Energy Offices</i> -- <i>Transportation planning component</i> -- <i>Funding available 2022</i>	\$500 million (U.S. DOE)



Thank You

Cassie Powers
Senior Managing Director, NASEO
cpowers@naseo.org

Office Hours Live Chat



**Electric Vehicle
Infrastructure:
Potential and Roadblocks**

**Brought to you by
NAED's Futures Group**