



Electrifying Our Nation

2021 ANNUAL REPORT



Electrification
Coalition



Table Of Contents

Letter from the Executive Director	3
Introduction	4
Theory of Change	5
Thought Leadership	6-7
Technical Assistance	8-9
Electrifying Our Nation	10-13
Electrifying Our States	14-23
Electrifying Our Cities and Communities	24-30
Electrifying Fleets.....	31-33
Electrifying Networks	34-35
Equitable Access to Electrification	36-37
Our Electrifying Team.....	38-40
Our Year in Review	41

A Year Of Transformation

Dear Reader,

While we continue to experience incredible challenges due to the impacts of COVID-19 and the devastating crisis in Ukraine, 2021 and the early months of 2022 are demonstrating signs of finally reaching a critical inflection point for transportation electrification. We continue to see new records for EV sales, growing investments from automakers, the passage of ambitious new policies, and a growing commitment to develop the needed supply to create an electrified transportation future.

In the U.S. EV sales in 2021 eclipsed the prior year sales by the third quarter and early results in 2022 are continuing that steady increase. The passage of the Bipartisan Infrastructure Law created a historic, once-in-a-generation investment (\$7.5 billion) that will help build a national charging network and ensure we can find a place to charge wherever we want to go. Some of the world's leading automakers have committed to phasing out production of petroleum-powered vehicles by 2035 or sooner. We also continue to make substantial progress on policy at the local, state, and federal levels. The transition to an electrified transportation future is no longer a question of if, it's only a question of when.

During the last several years the Electrification Coalition (EC) has built an incredible team of technical experts, policy leaders, and campaign organizers to facilitate the policies and actions needed to accelerate electrification. I am honored and amazed with the work we have accomplished in this time frame. From 2019 to now, the EC has grown from just five staff to almost thirty in 2022. We have created a new state policy program that has expanded to cover eight priority states, created a national EV Purchasing Collaborative, created an exhaustive number of case studies, best practices, and online tools, supported policy reforms with cities and states across the country, testified in Congress, and created modeling and technical assistance resources that will help remove the barriers to electrification.

Clearly, many steps remain in our journey to end our country's dependence on oil, but we invite you to take a moment to revisit some of the milestones from 2021 and to celebrate with us in recognition of a great year for EVs.

Robbie Diamond,
Founder, President, and CEO

Ben Prochazka,
Executive Director



The United States continues to be the world's largest consumer of crude oil and petroleum, accounting for nearly 20% of daily global oil demand, 66% of which is consumed by the transportation sector.



Shifting the Market

The Electrification Coalition (EC) is a national policy and advocacy organization working to accelerate transportation sector electrification. In both policy and programmatic work, we focus in four central areas to drive adoption of electric vehicles (EVs) - consumer electrification, freight, private sector fleets, and public sector fleets across the national, state, and local levels.

The EC leads growing efforts to demonstrate the benefits and policies needed to electrify the United States

transportation sector. We represent a broad cross-section of stakeholders including industry, advocates, policy makers, funders, and others, to conduct public policy research, market research, policy advocacy, and develop innovative business models to accelerate the shift to EVs.

Throughout this report we invite you to learn more about some of these different ways we have been working to shift the market in 2021 across the **national, state, and local levels**, and some of the important market victories that have resulted.

Hear from our partners

“The EC is a key stakeholder in accelerating transportation electrification in the United States.

Their experience and committed staff are leading critical policy discussions about freight electrification and infrastructure at the federal, state, and local levels.

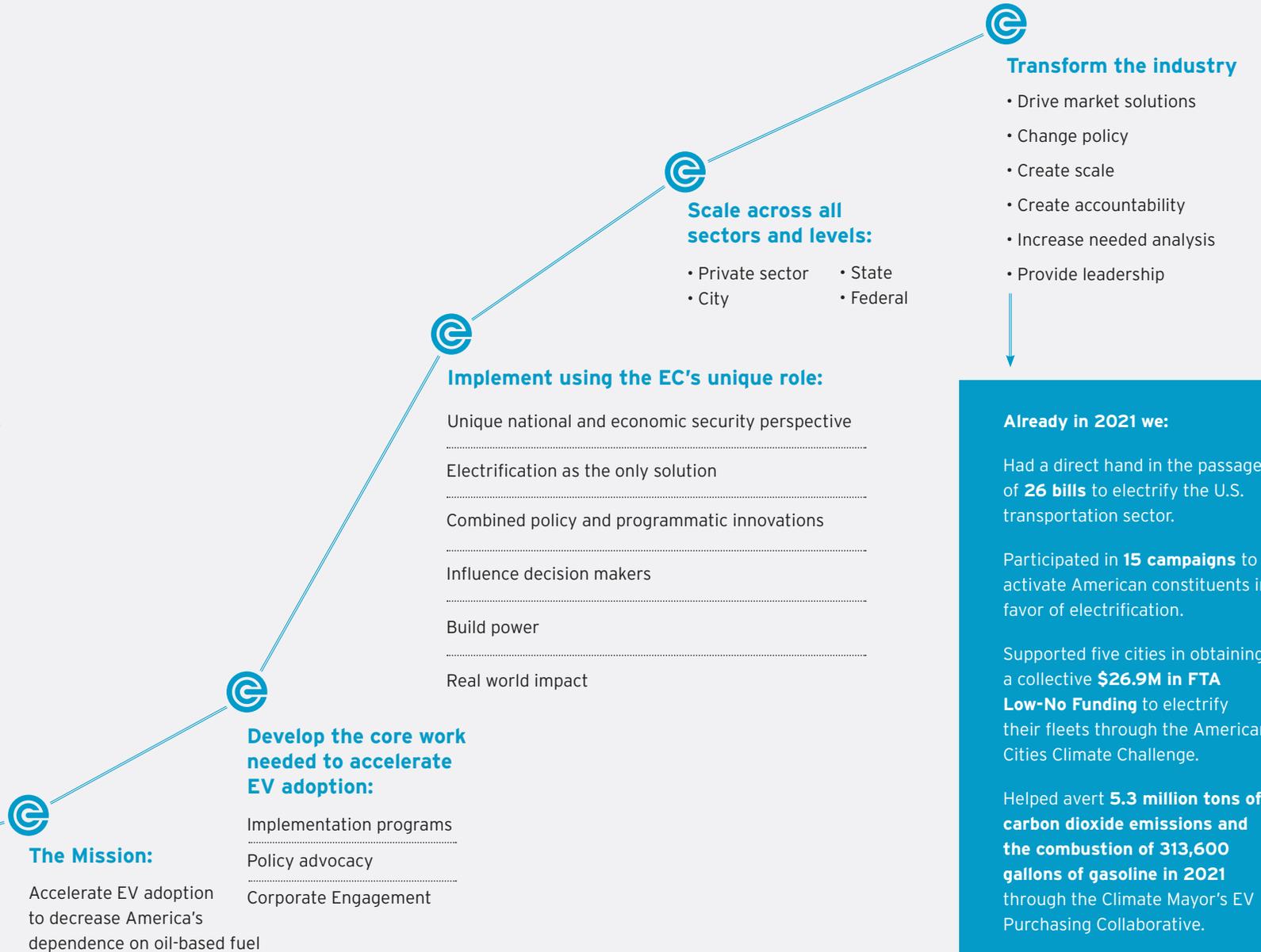
Richard Colley, Head of Policy and Regulatory Affairs, Arrival, Electrification Coalition Business Council member

Photo credit: Rivian

Reaching The Tipping Point

Electric mobility is the best alternative for reducing U.S. oil dependence. The Electrification Coalition (EC) is advancing electric mobility beyond early adopters and driving economies of scale.

We're working with partners at the national, state, and local levels on projects that put electric vehicles on the road and policies that expand access and adoption.





Sharing Our Expertise

Throughout 2021, the EC team shared their expertise at nearly **45 events and webinars**. Some of the highlights included:

- ⚡ The EC spoke alongside partners in a webinar hosted by EPA on the [AchiEVe Toolkit](#), which garnered close to 200 participants. The EC invited the office of the North Carolina Governor to share its insights into related work on EV policy.
- ⚡ The EC presented at a conference of over 100 utility representatives from Missouri on considerations and best practices in deploying EVs in municipal fleets.
- ⚡ On World EV Day, September 9, Ben Prochazka's interview with National Climate Advisor Gina McCarthy was published in Electrek.
- ⚡ Ben Prochazka traveled to Edinburgh for pre-COP26 meetings for the Global EDV Advisory Group.
- ⚡ The EC and its sister organization, Securing America's Future Energy (SAFE) released a jobs report at a virtual event featuring U.S. Department of Energy Secretary Jennifer Granholm. The report found that over 645,000 jobs could be created by implementing the recommendations in SAFE's "Commanding Heights" report on supply chain and domestic manufacturing of batteries and EVs.
- ⚡ The EC and SAFE hosted a Vehicle-to-Grid roundtable that explored bringing V2G technology and benefits to scale. The V2G roundtable convened leading experts and stakeholders and focused primarily on near-term policy, regulatory challenges, and solutions for V2G application.

Sharing Our Expertise



Our December Federal Funding webinar saw

over **400** | **628**
people in attendance | people registered

Speakers included Michael Berube from the **U.S. Department of Energy**, **Karl Simon from the U.S. Environmental Protection Agency**, and **Kelsey Owens from the U.S. Department of Transportation**. The webinar highlighted how the federal funding from the Bipartisan Infrastructure Law will be dispersed via the states, how the joint office will function, and how stakeholders can provide comments and input to the agencies.



In November we organized a webinar with several veterans of the U.S. armed forces discussing how the U.S. must react to the world's EV moment to provide jobs, bolster U.S. national security, and capture significant public health benefits. This event kicked off the EC's new Veterans for EV Initiative.

The event was attended by more than:

90

Veterans and active service members and EV advocates.

The EC hosted **13 webinars**, online roundtables, and bootcamps throughout 2021. The EC's expertise was featured in **Forbes**, **the New York Times**, **Bloomberg Law**, and several other prominent news sources throughout 2021. This wide reach extends important information about electrification to diverse audiences.

Helping the Industry go Further, Faster

The EC offers technical assistance to public and private sector fleets, as well as organizations and companies involved in accelerating EV adoption through our various innovative online tools, some of which are highlighted at the left.

Visit [our website](#) to explore these and other tools.

The EC Launches EV Policy Showroom

In early 2021, the EC launched a one-of-a-kind online educational collection, which provides tools and resources that support EV policy action in and beyond the five priority states (discussed on page 15). The **EV Policy Showroom** includes these interactive tools:

- EV Policy Dashboard
- EV Funding and Financing Guide
- EV Roadmap Roundup
- an EV Tools and Calculators Clearinghouse



“The EV Policy Showroom will help all those working in the EV policy arena to move forward at the accelerated pace required to ensure that we realize the economic, national security and public health benefits afforded by the electrification of transportation.”

- Ben Prochazka, Executive Director, Electrification Coalition

Helping the Industry go Further, Faster



Fourth Edition of AchiEVe Toolkit is Released

The EC released the fourth edition of the [AchiEVe: Model Policies to Accelerate Electric Vehicle Adoption](#) alongside Sierra Club, Plug In America, and Forth Mobility. This release includes new information on direct sales legislation for passenger vehicles, best EV practices for dealerships, policies targeting businesses and how they can electrify, and policies for electrifying medium- and heavy-duty vehicles. Importantly, the toolkit features many detailed examples from locations across the nation where **policies are working.**



A New Joint Report is Released: Commercial Goods Transport

A new joint report from the Bipartisan Policy Center, the EC, and SAFE [Commercial Goods Transport: Widening the Road to Electrification](#) future, makes the case that medium- and heavy-duty (MHD) commercial vehicle electrification should be a key policy priority for the transportation sector as it embarks on its most important shift since the invention of the internal combustion engine itself: the transition from a gasoline and diesel past to an electric future.

Establishing the U.S. as a Global Leader

The Biden-Harris Administration and 117th Congress have a critical opportunity to establish U.S. leadership in electric transportation and to maintain our global competitiveness in the automotive industry by enacting key policies that will accelerate EV manufacturing and sales.

Through a combination of policy and agency engagement the EC continues to work at the federal level to leverage key opportunities with the Whitehouse and federal agencies. Throughout 2021, the EC regularly engaged with decision- and policymakers on Capitol Hill to elevate the federal policy priorities which will more rapidly electrify our nation's transportation.

The EC helped pass numerous critical national policies including the bipartisan infrastructure framework (The Infrastructure Investment & Jobs Act) and the Build Back Better legislation through our campaign work including action alerts, targeted ads, widespread webinars, and support letters.

In addition, the EPA's greenhouse gas regulations were strengthened, and the Biden Administration also committed to commits federal government to 100% zero emission vehicle purchases by 2035.

Photo at Right: Ben Prochazka speaks at the U.S. Department of Transportation during an event organized by the EC, Plug In America and CHISPA in October. The events, which also took place at the Senate Auto Caucus, showcased the latest light-, medium-, and heavy-duty EVs to key decision-makers and members of the media.

The event included remarks by Secretary Pete Buttigieg and National Climate Advisor Gina McCarthy. The U.S. Senate event was well attended by legislators and many Hill staff working on EV policies.



Sharing Expertise at the White House

In 2021 we participated in several meetings with the White House on transportation electrification and charging infrastructure, **leading to stronger policies for transportation electrification.**

This included a June event with the Whitehouse - "Expanding EV Infrastructure to Meet Federal Fleet Goals," a closed-session virtual meeting with Federal Agency leads and NGO sector stakeholders to discuss the Biden Administration's strategy to support a National EV Charging Network, and a small convening of advocates with White House Council on Environmental Quality Chief Sustainability Officer Andrew Mayock in advance of the administration's December executive order that set a timeline for federal fleet electrification.

These efforts will continue to expand our ongoing work at the local and state level.



400 people

attended the EC and SAFE's Federal Funding webinar with speakers from the U.S. Department of Energy, Environmental Protection Agency, and Department of Transportation

Facilitating a National EV Charging Network

As a follow-up to the successful passage of the infrastructure package, we have been working on comments for the U.S. Department of Transportation's (USDOT) request for information (RFI) to help inform the agency's guidance and planning for the new National EV Charging Network.



Helping to Electrify the Federal Fleet

The Electrification Coalition and Atlas Public Policy released a [report](#) revealing that 97 percent of buses and light-duty vehicles in the federal fleet could be replaced by EVs by 2030 at a cost savings to taxpayers. **Up to 40 percent could be cost-effectively replaced as soon as 2025.**

Photo: National Park Service



Enhancing National Solutions

A shift to electric transportation will reduce the economic, national security, and emissions impacts that stem from America's dependence on oil. Widespread adoption of electric vehicles will create new jobs, reap financial savings for consumers and fleet operators, improve air quality, and reduce greenhouse gas emissions.

The United States government can lead by example by electrifying the federal fleet, including the U.S. Postal Service vehicles. The EC supports a bold allocation of funding for federal fleet electrification, including USPS fleet electrification. Consumers and fleet operators need adequate access to EV charging infrastructure, lack of which is currently a barrier to greater EV adoption.



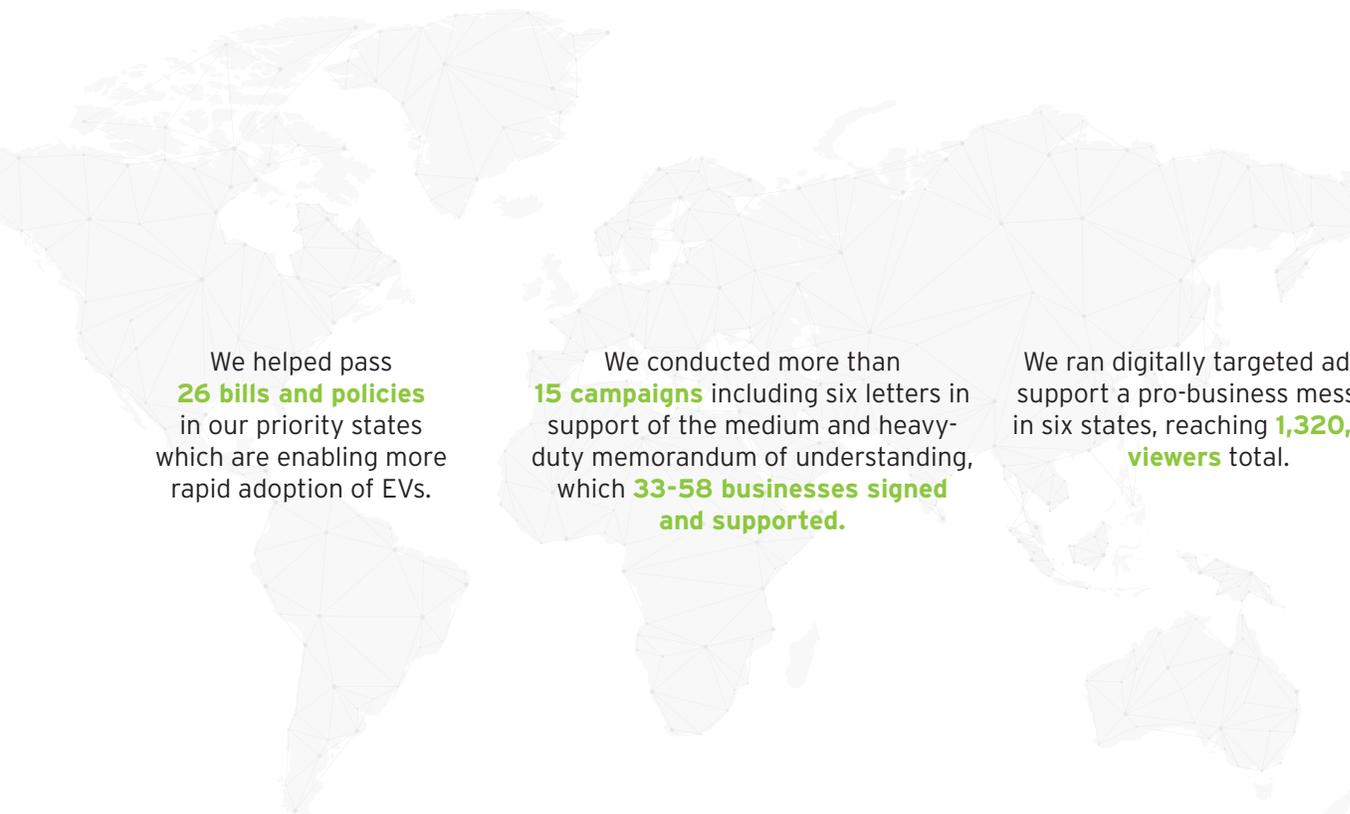
“ The bottom line, the future is electric! ”

- Secretary Pete Buttigieg

U.S. Department of Transportation

At event organized by the EC and partners in October 2021

Advancing Ambitious Policy Opportunities



We helped pass **26 bills and policies** in our priority states which are enabling more rapid adoption of EVs.

We conducted more than **15 campaigns** including six letters in support of the medium and heavy-duty memorandum of understanding, which **33-58 businesses signed and supported.**

We ran digitally targeted ads to support a pro-business message in six states, reaching **1,320,603 viewers** total.

The EC's state policy work seeks to advance ambitious policy opportunities, and will bolster efforts such as:

- Consumer incentives
- Infrastructure development
- Utility rate design
- Freight electrification
- Public fleet electrification

Developing a Multi-Pronged Approach

The State EV Policy Accelerator, now in its second year, engages five states—Michigan, Nevada, North Carolina, Pennsylvania, and Virginia—to develop a replicable model advancing EV adoption through policy action bolstered by fleet-scale deployment efforts. This is combined with a Rapid Response program to support targeted policy education and support efforts in other states. The EC continued in 2021 to develop this multi-pronged approach that delivers unparalleled support to states in advancing electrification.



PENNSYLVANIA | NORTH CAROLINA | VIRGINIA | MICHIGAN | NEVADA



Our Approach

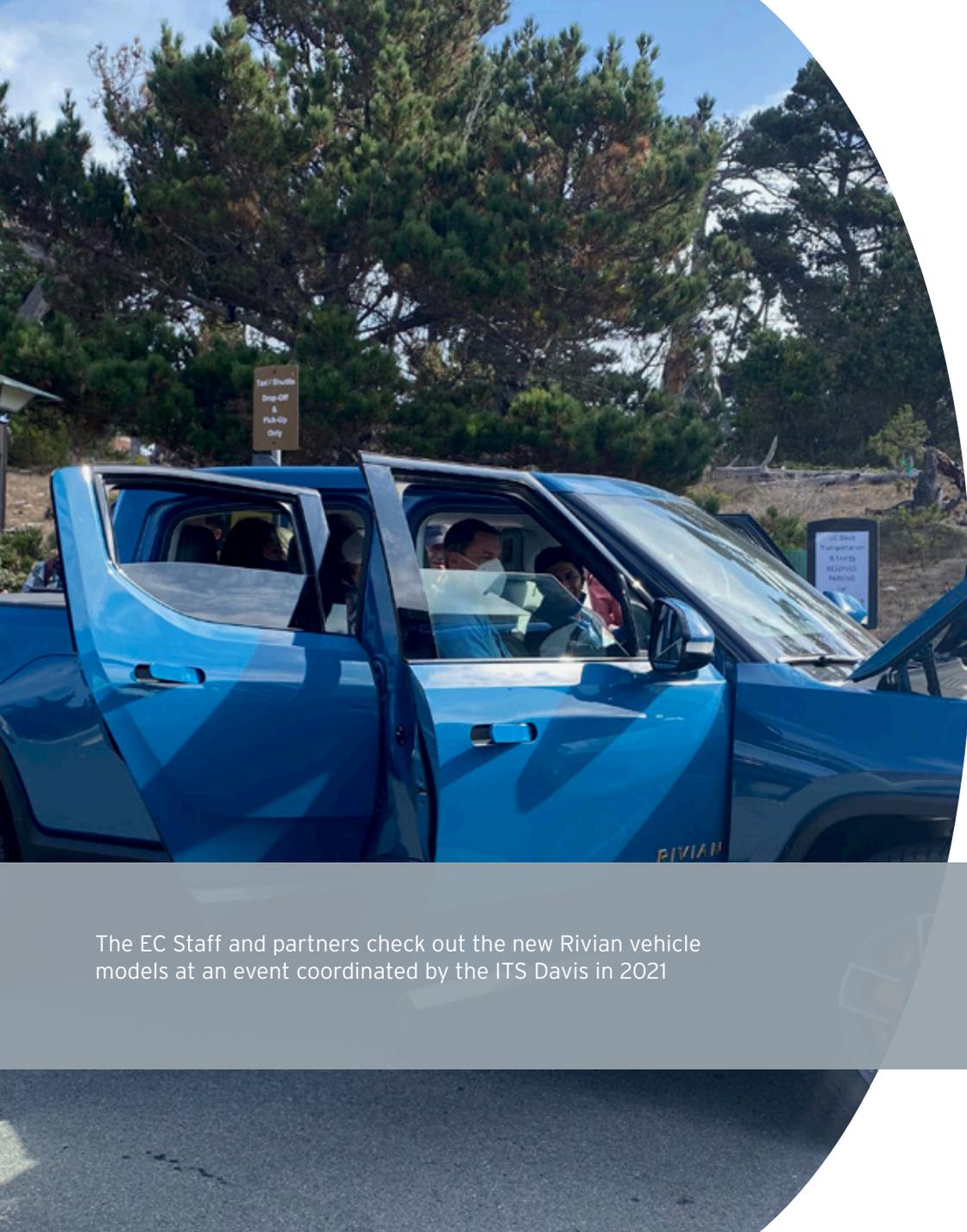
- ⚡ **EV POLICY BLUEPRINTS FOR ACTION:** State-specific policy recommendations.
- ⚡ **EV RESOURCE TOOLKITS:** Sample policy language, best practices, case studies, and public engagement plans.
- ⚡ **EV POLICY BOOTCAMPS AND EDUCATIONAL EVENTS:** Stakeholder education and engagement using a “Teach, Train, Transform” model.
- ⚡ **PROOF OF CONCEPT EFFORTS:** Including state-wide accelerator communities, transit and school bus electrification initiatives, and state fleet programs.
- ⚡ **ADVANCE DEFINED POLICY ACTIONS IN DEFINED STATES:** The EC has reexamined its policy priorities for each of the priority states and refined according to best practice principles, market activity, and political opportunity in each state. The campaign strategy for each state features a variety of tactics, including grass tops activity, grassroots actions, communications activities, and identification of champion policymakers.
- ⚡ **DEVELOPING A REPLICABLE MODEL - CASE STUDIES ON POLICY ACTIONS:** The EC is working with additional states, to develop foundations for scaling the lessons learned from our priority states. We are also developing case studies on successful policy actions to more rapidly electrify transportation. This process will begin in 2022.

State-Specific EV Blueprints For Action

The EC's blueprints contain state-specific policy recommendations designed to help each of our priority states move forward with legislation that will more rapidly advance electrification in their state. This work began in 2020.

Check out these blueprints for our priority states:

- [Michigan](#)
- [Nevada](#)
- [North Carolina](#)
- [Pennsylvania](#)
- [Virginia](#)



The EC Staff and partners check out the new Rivian vehicle models at an event coordinated by the ITS Davis in 2021

EV Resource Toolkit for State Fleets

Electrifying state fleets helps drive volume in battery and supply chains, providing practical business experience with both private and public charging infrastructure, and demonstrating the reliability of EVs to consumers, electrified fleet vehicles provide substantial spillover benefits to the broader consumer market. Fleet electrification represents an additional, practical, near-term strategy for facilitating the transformation of the U.S. transportation system and improving American energy security.



SPARK toolkit

The EC, in partnership with the U.S. Climate Alliance, released a toolkit known as "SPARK," the State Plug in Adoption Resource Kit. The kit provides state fleet operators and managers a compendium of resources on how to electrify their fleets including a step-by-step guide.



Bootcamps and Educational Events

Pennsylvania Policy Makers and State Staff Explore EVs at EC Ride and Drive

Pennsylvania policymakers and state staff explored the latest models of electric vehicles on September 28 at the state capitol at a ride and drive hosted by the EC. Featured EVs included the Mack LR Electric refuse truck, Audi E-tron, Kia Niro, Rivian R1T pickup, Ford Mustang Mach-E, Nissan LEAF, Lordstown Endurance pickup, Tesla Model 3, Hyundai KONA Electric, Volkswagen ID.4, Volvo XC40. This event showcased various EV models and provided an opportunity to engage with committee members on current high level EV-related bills.

At left - Pennsylvania Legislators test drive EVs at an EC-organized Ride and Drive event in September 2021.

EC Efforts Led to 2021 Policy Wins

The EC's efforts at the state level led to a series of policy wins in Pennsylvania, Virginia, North Carolina, Nevada, Michigan and Florida - both supporting electrification and defending policies which would slow down EV adoption such as fees.



Electrifying School Bus Fleets

Roundtable Series

The EC launched a series of electric school bus roundtables in partnership with World Resources Institute, which will continue through 2022 to work with states and stakeholders to more rapidly electrify school bus fleets.

The first Roundtable focused on New Jersey was attended by over **160 policymakers and advocates from around the state and featured New Jersey's First Lady, Tammy Murphy and Congressman Frank Pallone.**

Photo: Nuvve

Bootcamps and Educational Events



State-EV Policy Bootcamps

The EC continued hosting statewide bootcamps and roundtables for states on critical policy topics. The EC hosted a **Wisconsin EV policy bootcamp** and a **Virginia Medium- and Heavy- Duty bootcamp**. Each event featured over 100 participants and high-level speakers.

During the VA bootcamp, Gov. Ralph Northam announced that Virginia had signed onto a multistate agreement aiming to electrify all new large trucks and buses in the state by 2050.

Proof of Concept Efforts

State Fleet Electrification (SFE) Cohort

We are engaging state policy leaders through the Cohort on State Fleet Electrification to discuss shared steps in the process of electrifying fleets, including the potential to set a shared target/goal for EV adoption.

This effort has activated interest in developing more ambitious state fleet electrification efforts, starting with the EC's five priority states (see Page 15). The cohort convened for its inaugural meeting, with EC's five priority states, on May 13, led by the Chief Deputy Director at the Virginia Department of Environmental Quality. Based on a positive response from the cohort participants, the **EC began a monthly series of "deep dive" web-based workshops.**

The EC will provide tools and step-by-step guidance for electrifying each state's fleet throughout 2022.

At right - Cobb County, GA stands with their many electric fleet vehicles



Advance Defined Policy Actions

Medium- and Heavy- Duty Electrification Campaign

The EC launched a new medium- and heavy-duty electrification (MHDE) campaign in to urge governors in our five priority states to act on the electrification of trucks, transit buses, and school buses.

The Multi-State Medium and Heavy-Duty Zero Emission Vehicle Memorandum of Understanding (MOU), pledges that at **least 30 percent of all new trucks and buses sold in the signed state will be zero-emission vehicles by 2030, and 100 percent by 2050.**

“ I have signed the Medium- and Heavy Duty Zero Emission Vehicle MOU. We have heard from many of you -transportation businesses, major retailers, environmental and health advocates - how important it is to send this signal that Virginia is open to the business of clean transportation.

This agreement will ensure that our state agencies work with peers across the country to identify best practices and elevate the best policy solutions to meet the goals of the MOU, including 100% electric trucks and buses by 2050.”

- Governor Ralph Northam, Commonwealth of Virginia, speaking on the EC's EV Policy Bootcamp in Virginia



- Our Field and digital organizing efforts engaged a broad group of pro-MHDE businesses, gaining the **253 businesses** to sign onto the EC's MHDE letters.
- The EC delivered these 253 letters to Governors in five states in support of The Multi-State Medium- and Heavy-Duty Zero Emission Vehicle Memorandum of Understanding (MOU). This led to governors such as Gov. Ralph Northam committing to an electric future for their state (See Gov. Northam's statement at the left).
- The EC also ran digitally targeted ads to support this campaign effort which resulted in more than **1.32 million impressions.**

Advance Defined Policy Actions

The EC staff have been working diligently with the state agencies in each priority state to organize coalitions, engage stakeholders, facilitate outreach, and organize campaigns for electrification. Each state made significant progress in 2021.

Here are a few of our 2021 efforts:



Electrifying State MHD Fleets Leading the Conversation

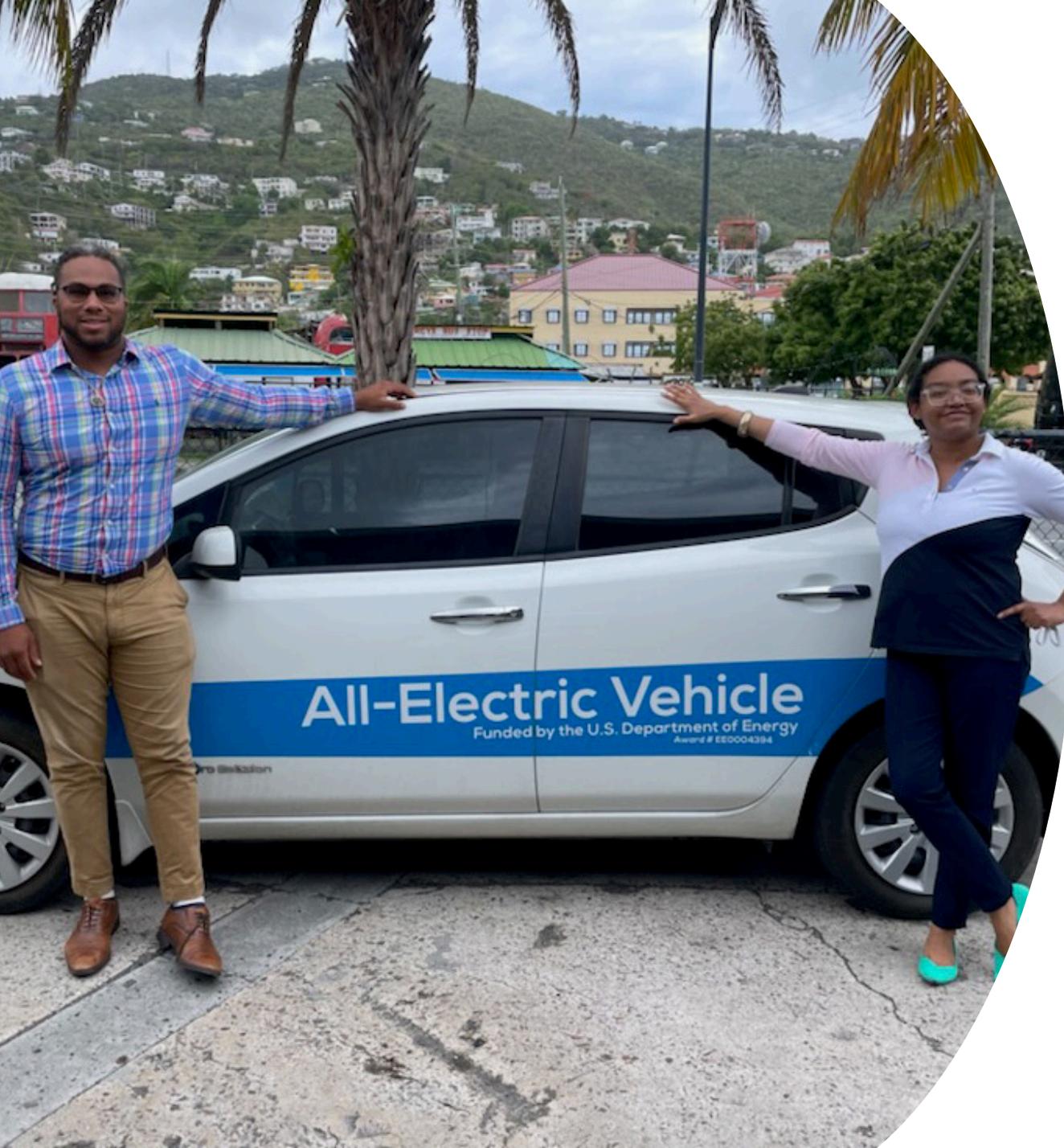
The EC convened an action-focused conversation to ensure state-level leadership in support of MHD electrification in our priority states of Nevada, Illinois, Michigan, Virginia, Pennsylvania and North Carolina. Next steps for moving forward on electrification were established for work in Michigan and Illinois.



Driving Policy Solutions Direct Sales Campaign

The EC made strides towards advancing direct sales policies in 2021 by working with a group of EV only manufacturers, free-market groups, and other consumer groups. The EC launched work on an analysis of the impact of direct sales policies on carbon emissions that will be completed in early 2022. The EC also partnered with Arrival to complete a whitepaper on the impact of direct sales policies on MHD adoption and fleet conversion, which will be released in 2022.

Photo Credit: Arrival



Develop a Replicable Model

In addition to developing case studies on our state work, which is currently in process and will continue to be developed in 2022, the EC is working with states outside of our priority states to extend the impact of our work further and share the important information gained through the state policy program

Illinois: The EC team is working with the Illinois Commerce Commission to host a statewide EV bootcamp. The EC attended a stakeholder workshop organized by Commissioner Maria Bocanegra held in mid-September to discuss EVs and integration into the grid.



Arizona: The EC has started to engage more in Arizona. The EC's Senior Policy Director Katherine Stainken sits on the City of Phoenix Ad Hoc EV Working Group. The City is focused on the actions and policies needed to expand EV charging infrastructure, to transition the City fleet to EVs, and provide needed education and outreach.



Georgia and Florida: The EC is becoming more actively engaged in these two states, which will allow the team to expand our state-level activity into a regional focus in the Southeast.



Laboratories of Innovation

Cities and communities are central to the EC's efforts for achieving widespread transportation electrification. Building upon the work from our earliest days, pioneering the EV Accelerator Community approach, and our more recent work in support for EV adoption by local fleets, the EC has collaborated with numerous municipalities, utilities, and other stakeholders to inform EV policies at local level.

Our work at the city-level now spans the [American Cities Climate Challenge \(ACCC\)](#), the [Climate Mayors EV Purchasing Collaborative](#), our numerous fleet electrification roadmaps, and our powerful collection of tools and toolkits designed to help cities and communities advance EV adoption.

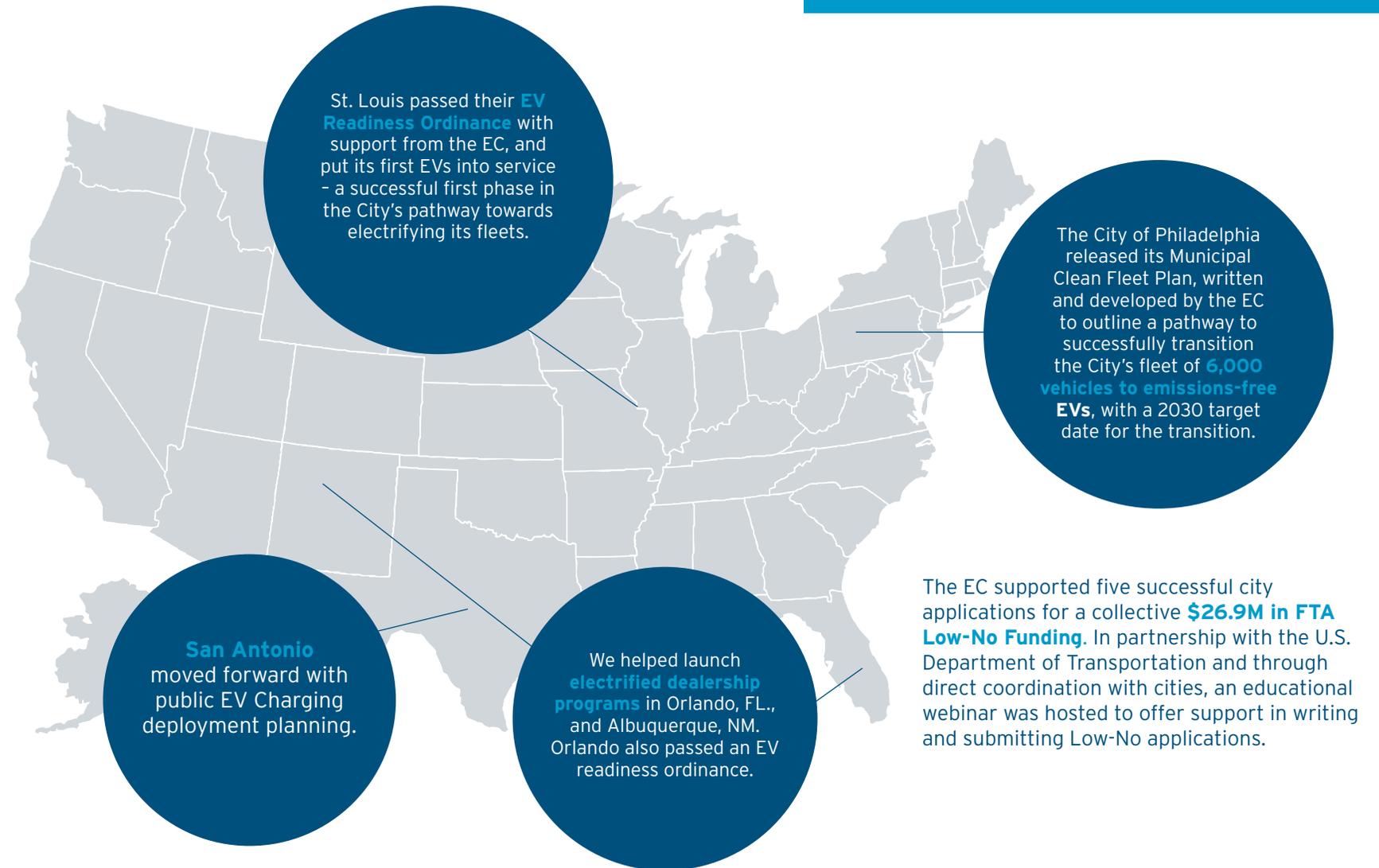
A photograph showing a man in a white shirt and black vest standing next to a police officer in a dark uniform. They are both looking at an electric motorcycle. The background shows a yellow truck and a clear blue sky.

“ Cities and counties have been laboratories of innovation, and they remain essential to widespread EV deployment. ”

- GElectrification Coalition Executive Director Ben Prochazka

The EC's Impact at the Local Level

Here are some of the achievements we helped facilitate with cities in 2021:



American Cities Climate Challenge (ACCC)

Launched in 2018, ACCC provides powerful resources and support to 25 U.S. mayors as they accelerate climate action, using a holistic approach that focuses on clean buildings and transportation.

The EC launched into an extension of programming for the ACCC with a focus to accelerate deeper engagement with seven cities to advance EV policy, vehicle deployment, EV charging.

At right: Cobb County, GA fleet staff stands with an electric fleet vehicle

In 2021 the Collaborative helped cities avoid 313,600 gallons of gasoline.



The EC has coordinated with several ACCC partners to drive new wins and prioritize EV charging.

- We supported the recent successful grant applications by the cities of Columbus and Cincinnati for city-owned EV charging infrastructure, **with awards totaling \$67,500.**
- Pittsburgh is drawing close to its release of an **EV Charging Master Plan Strategy**, along with the opening of a new downtown EV charging hub to provide easier access for downtown commuters.
- In celebration of Earth Month, Orlando and the Orlando Utilities Commission held a ribbon-cutting for **100 new EV chargers** being deployed across the city.
- The EC provided **valuable procurement and price-setting analysis** to create sustaining funds to expand charging networks.

Climate Mayors EV Purchasing Collaborative (The Collaborative)

The Collaborative is an unprecedented cooperation of Climate Mayors cities across the country to leverage their collective buying power and accelerate the conversion of municipal fleets to electric – sending a powerful signal to the global car market. It is a turnkey, one-stop, online procurement portal providing municipalities equal access to competitively bid EVs and accompanying charging infrastructure, innovative financing options, and access to policy guidance and expert resources.

Through our team's hard work in 2021, the Collaborative is now able to meet the needs to fleets seeking to electrify fire trucks and various applications of SUVs and sedans. We have also helped to add new charging station vendors to the platform, giving cities more selection as they increase charging station availability.

- The EC engaged with 23 cities on local policy in 2021.
- In a year fraught with budget and supply chain challenges, Collaborative cities purchased over **700 EVs in 2021 and committed to an additional 1,211 EVs.**

Critical Guidance for Cities Navigating Electrification

The City of St. Paul leased its first **100 EVs** for the Twin Cities Mobility Network EV Carshare in partnership with the Collaborative and American Cities Climate Challenge. The EC provided critical guidance for the city through solicitation of EV charging vendors, engagement with utility partners, and navigating procurement options. For procurement of vehicles, the EC leveraged vital relationships with dealers and vendors to find the best-possible-pricing for vehicles and supported the City on their 2021 round of EV procurement.

Photo: Sam Holt Images



Case Studies

to Share Our Learnings

In addition to developing case studies on our state work, which is currently in process and will continue to be developed in 2022, the EC is working with states outside of our priority states to extend the impact of our work further and share the important information gained through the state policy program



Municipal Fleet Electrification A Case Study of Des Moines, IA

The EC **published a case study** on the our work with Des Moines, IA which highlights the challenges with cold weather EV adoption and how to utilize leasing options through the Collaborative.



An Electrifying Partnership A Case Study of UCLA's Electrification Efforts

The team also **published a case study** on fleet electrification work with University of California, Los Angeles. It highlights the benefits of using the Collaborative to help with fleet electrification, and how a university can participate and lead in fleet electrification.



Helping Cities Prepare for Funding Federal Funding Guide

In December, the EC released a concise **Federal Funding Guide** with sample budgets and checklists to help cities prepare for capturing federal funding. This resource is one of a kind in its templates and is meant to immediately stimulate action.



Electrifying Transportation in Municipalities

An EV Policy Toolkit

“Electrifying Transportation in Municipalities” outlines a suite of policies that will accelerate the electrification of transportation in communities. It also identifies the most effective policy levers that cities, towns and counties can use to expand charging infrastructure, transition fleets to electric vehicles and support EV adoption by consumers.

The EC presented the City Policy Toolkit during the ACT Expo in Long Beach, CA, the largest clean fleets conference with more than

5,000 public- and private-sector attendees.

“This guide is a great resource for cities like ours as we work to expand the availability of charging infrastructure in the community, electrify our municipal fleet, and make it easier for folks in our community to choose electric.”

– San Antonio Deputy Chief Sustainability Officer Julia Murphy



Writing and Developing the Washington, DC Transportation Electrification Roadmap

The EC delivered the Washington, D.C., Transportation Electrification Roadmap in November. It will be published in 2022. The roadmap outlines recommendations for EV charging infrastructure, policies, outreach, and programs to advance EV adoption by District fleets and drivers throughout the nation's capital.

Roadmaps



Guiding the Process for the U.S. Virgin Islands Electrification Roadmap

As part of a broader effort to develop a U.S. Virgin Islands transportation electrification roadmap, the EC has conducted a fleet assessment for the territory and provided recommendations for near-term EV purchases. We will guide the territory through the fleet electrification process, which they will achieve with funding support from the U.S. Department of the Interior.

Photo credit: EVgo

National Events and Engagements

America's near-total reliance on petroleum-based fuels for transportation has created significant energy and economic vulnerabilities, is producing significant GHG emissions, and is threatening public health, particularly in low-income and disadvantaged communities. Electrifying our nation's fleet vehicles will significantly reduce America's dependence on oil, mitigate harmful tail pipe emissions, and address equity concerns.

While MHD trucks and buses comprise only 5 percent of the total number of on-road vehicles in the United States today, they account for 28 percent of GHG emissions, 42 percent of smog-forming NOx emissions (a precursor pollutant to ground level ozone), and 51 percent of direct PM2.5 emissions (PM less than 2.5 micrometers in diameter). (NESCAUM MULTI-STATE MEDIUM- AND HEAVY-DUTY ZERO-EMISSION VEHICLE ACTION PLAN, 2022).

Bipartisan Policy Center Discusses Medium- and Heavy- Duty Electrification

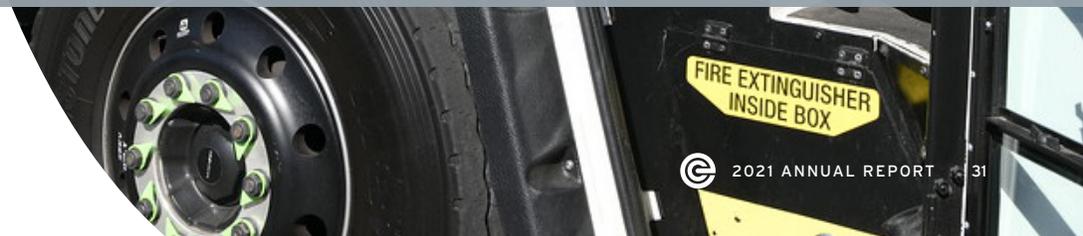
Ben Prochazka, Executive Director of the EC, sat down with the Bipartisan Policy Center (BPC) to discuss why we must accelerate the electrification of medium- and heavy-duty vehicles.



Midwestern Governors Plan Regional Electrification

The EC worked with Governor Whitmer to bring together four other Midwestern governors to support regional planning and investments in EV infrastructure with a focus on medium- and heavy-duty (MHD) vehicles, Midwest jobs creation, and equity.

Photo: Legislators experience medium- and heavy- duty electric vehicles at an EC-organized event on Capitol Hill in 2021.



New Tools for Fleets

Dashboard for Rapid Vehicle Electrification: DRVE Tool

The [DRVE Tool](#) - developed by the EC, provides quick and easy analysis for light-, medium-, and heavy-duty fleet electrification. The Microsoft Excel-based tool can evaluate a variety of procurement ownership structures, vehicle types, electric vehicle charging configurations, and many more scenarios.

Users can upload fleet data into an easy-to-use tool that calculates total cost of ownership (TCO) and emission factors for conventional vehicles and comparable PHEVs and EVs. The tool analyzes and assesses best fits for EV deployment within minutes. This tool works for both private- and public-sector fleets, including local and state fleets.

The tool is available to the public at no cost. Atlas Public Policy assisted the Electrification Coalition in developing and testing the tool.

Photo at right - The City of Chula Vista's new electric fleet vehicles.



New Tools for Fleets

Commercial Goods Transport: Widening the Road to Electrification

The EC, SAFE, and the Bipartisan Policy Center jointly launched [a paper](#) that makes the case that MHD commercial vehicle electrification should be a key federal policy priority for the transportation sector, identifying the steps Congress should take to boost U.S. EV leadership.

Key policy recommendations from the report include creating a 30% manufacturer's credit for the sale of medium- and heavy-duty vehicles, expansion of the Section 30C Alternative Fuel Vehicle Refueling Property Credit and funding for public medium- and heavy-duty EV charging stations.



V O L V O

Electrification Coalition Business Council

Electrification Coalition Business Council industry leaders representing a broad cross section of the transportation sector came together in 2021 in partnership with the EC to announce the launch of a new strategic advisory group to accelerate the electrification of transportation.

The newly formed [Electrification Coalition Business Council \(ECBC\)](#) includes leading companies in vehicle manufacturing, charging equipment manufacturing, transportation systems, rideshare technologies and systems, logistics, fleet transition and consumer adoption.

National Events and Engagements

Three different administrators joined the ECBC meetings throughout 2021 to learn from industry leaders about transportation electrification and share information about funding.

- U.S. Environmental Protection Agency Fleet Incentives Center to talk Diesel Emissions Reduction Act and insights on Electric School Bus Funding
- Wayne Killen from the Department of Energy Loan Programs Office to talk Advanced Technology Vehicles Manufacturing Loan Program and Title 17 Funding
- Acting National Highway Traffic Safety Administration Administrator Dr. Steve Cliff



“The EC has been a vocal and effective voice for accelerating transportation electrification. GM looks forward to partnering with the Coalition’s Business Council to amplify the benefits of EVs for consumers and society alike, while identifying and advocating for consensus public policies—such as infrastructure support and consumer incentives—that will make an all-electric future possible.”

— Robert F Babik, Executive Director,
Global Regulatory Affairs, General Motors

Efficient, Effective, and Equitable Public Policy and Programming

Despite the rapid progress currently being made in the global EV market, substantial barriers to widespread vehicle adoption still exist. Overcoming these barriers will require innovative business models and **efficient, effective, and equitable public policy and programming.**

For our team, we are learning what this means for our efforts internally to build an **inclusive team representing voices reflecting the incredible diversity of our nation**, as well as to **advocate for policies and to develop programs which reach the populations who are most impacted** by the impacts of an oil-based transportation sector.

Our team has been focused on developing a **firm foundation and awareness** of our need to build a more equitable approach to widespread transportation electrification. As we do so, we also are presented with the **very real challenges of a small organization such as limited staffing resources, limited financial resources to access diversity, equity and inclusion experts and other challenges** which we confront as we learn. These challenges do not prevent us from moving forward in working toward equitable access to transportation electrification, but instead inspire us to share our lessons as we

move forward together.



Photo Credit:
Smart Columbus

Efficient, Effective, and Equitable Public Policy and Programming

Our Actions in 2021:

- ⚡ Established an internal taskforce focusing on diversity, equity and inclusion.
- ⚡ Hosted internal trainings throughout the year to learn how we can be more inclusive internally, in the development of relationships, and in our policy and programmatic work.
- ⚡ Reaching out beyond our own ecosphere to include diverse voices as we establish authentic working relationships with individuals, organizations, and consultants.
- ⚡ Work with our partners and relationships in the field to gain insight about opportunities to deepen our learnings, practice, and approach.
- ⚡ We have joined the Roger Arliner Young (RAY) Diversity Fellowship Program as a Member Organization and subsequently received a grant from WEND Collective to host two RAY Clean Energy Fellows. Inspired by a vision to increase racial diversity in the clean energy and conservation sectors, the RAY Diversity Fellowship Program supports two cohorts of fellows per year at the EC. The RAY Fellowship Program aims to increase and facilitate conservation, energy efficiency, and renewable energy career pathways for emerging leaders of color.

Moving Forward

Moving forward, our taskforce will be focusing on creating an ongoing strategy which will help us to identify areas of **growth, establish goals, measure our efforts, promote learning opportunities, and to take strategic action.**



Growth in 2021

A central component of our momentum in 2021 was the addition of several new staff members to help the EC meet our goals of widespread transportation electrification. **We are excited about the growth and success in 2021 and the extraordinary opportunities to continue pushing towards a zero-emission future.**

Photo at left - The EC staff traveled to Indiana for their first staff retreat since the beginning of the pandemic.

24% increase

in number of team members plus a strong internship program across various departments.

Our staff are located in 17 different states, representing a truly diverse team in background and skillset.

OUR ELECTRIFYING TEAM



Aaron Viles
Campaigns Manager



Alyssa Siddiqui
Managing Director,
Corporate Engagement



Andrea McCarthy
Program Manager



Anne Blair
Senior Policy Manager



Ben Prochazka
Executive Director



Celia Kosinski
Policy Analyst



Cher Griffith Taylor
Senior Programs
Specialist



Dakoury Godo-Solo
RAY Fellow



Jackie Burman
Vice President Operations
and Finance



Jared Walker
Senior Program
Specialist



Julie Sutor
Director,
Communications



Katherine Stainken,
Senior Director, Policy



Katie Robinson
Senior Director, Programs
and Operations



Logan Rains
Campaigns Organizer



Marie McConnell
Campaigns Organizer



Matt Stevens-Rich
Program Manager



Robbie Diamond
Founder, President,
and CEO



Sarah Fischer
Programs Specialist



Sarah Reed
Program Manager



Sincerrai Gentry
RAY Fellow



Steve King
Senior Manager, E-Freight
and Special Projects



Torin Spencer
Program Specialist



Travis Buholtz
EV Specialist



Will Drier
Senior Policy Analyst

Board of Directors



General Charles F. Wald
Former Deputy Commander, Headquarters,
U.S. European Command



Lance Bultena
Senior Counsel, Hogan Lovells



Patricia Monahan
Lead Commissioner on Transportation,
California Energy Commission



Robbie Diamond
Founder, President, CEO, Electrification Coalition
and Securing America's Future Energy



Amy Malaki
Director Partnerships and Policy,
SkyNRG



Barry Caldwell
Principal of Wroxtton Civic
Ventures LLC

2020-2021 Financial Summary

Revenue and support (FY 2020)

\$2,867,501 - Total
\$2,698,010 - Contributions
\$159,491 - Contract revenue
\$10,000 - Other contributions

Expenses (FY 2020)

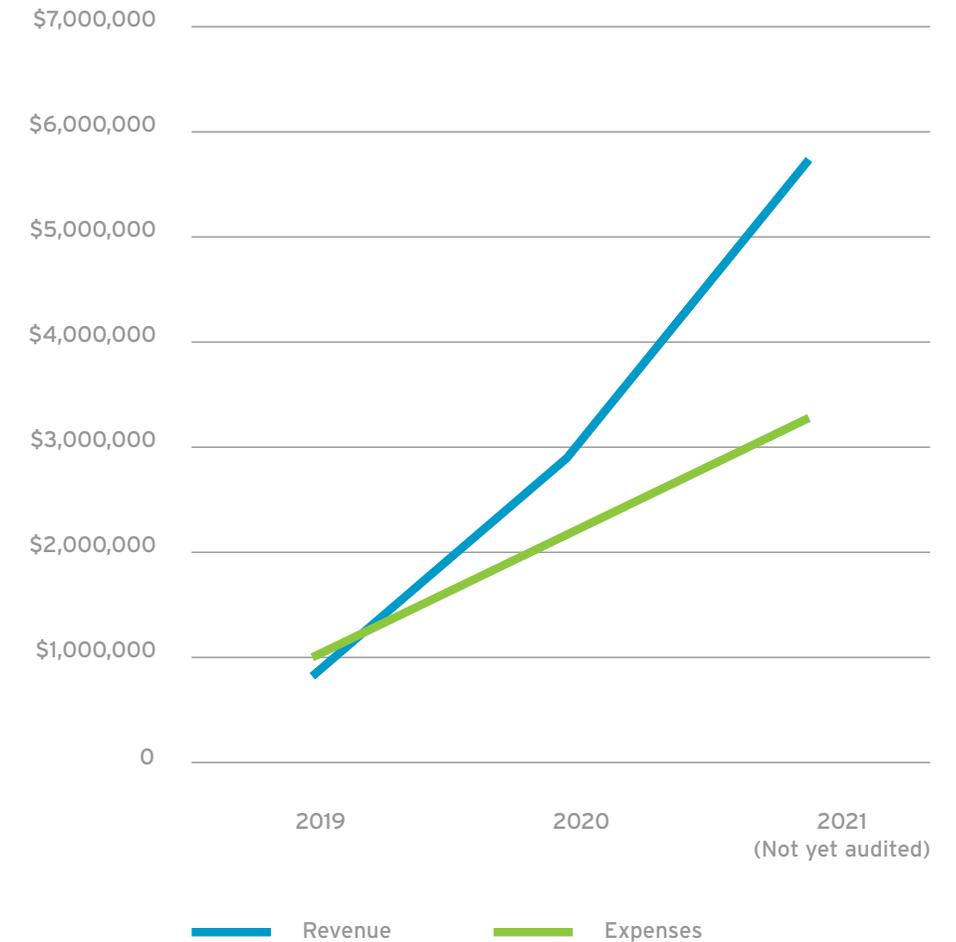
\$2,124,180 Total
\$1,912,703 Program Services
\$211,477 Supporting Services

Net assets beginning of year: \$388,390

Net assets end of year: \$1,131,711

Change in net assets: \$743,321

EC Financials 2020 - 2021





The Electrification Coalition is a nonpartisan, nonprofit organization that advances policies and actions to facilitate widespread deployment and adoption of electric vehicles to overcome the economic, public health and national security challenges that stem from America's dependence on oil. For more information, visit [electrificationcoalition.org](https://www.electrificationcoalition.org), or email us at info@electrificationcoalition.org.