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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
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.
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.

The Mission:
Accelerate EV adoption to decrease America’s dependence on oil-based fuel

Develop the core work needed to accelerate EV adoption:
- Implementation programs
- Policy advocacy
- Corporate Engagement

Implement using the EC’s unique role:
- Unique national and economic security perspective
- Electrification as the only solution
- Combined policy and programmatic innovations
- Influence decision makers
- Build power
- Real world impact

Scale across all sectors and levels:
- Private sector
- City
- State
- Federal

Transform the industry:
- Drive market solutions
- Change policy
- Create scale
- Create accountability
- Increase needed analysis
- Provide leadership

Already in 2021 we:
- Had a direct hand in the passage of 26 bills to electrify the U.S. transportation sector.
- Participated in 15 campaigns to activate American constituents in favor of electrification.
- Supported five cities in obtaining a collective $26.9M in FTA Low-No Funding to electrify their fleets through the American Cities Climate Challenge.
- Helped avert 5.3 million tons of carbon dioxide emissions and the combustion of 313,600 gallons of gasoline in 2021 through the Climate Mayor’s EV Purchasing Collaborative.
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.
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.
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
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.
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.
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
ELECTRIFYING OUR STATES

Advancing Ambitious Policy Opportunities

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

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.
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.

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.
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.
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.
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.

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.
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

**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.
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 trust and buses by 2050.

• 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.

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

Advance Defined

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.

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

- GElectrification Coalition Executive Director Ben Prochazka
The City of Philadelphia released its Municipal Clean Fleet Plan, written and developed by the EC to outline a pathway to successfully transition the City’s fleet of 6,000 vehicles to emissions-free EVs, with a 2030 target date for the transition.

The EC supported five successful city applications for a collective $26.9M in FTA Low-No Funding. In partnership with the U.S. Department of Transportation and through direct coordination with cities, an educational webinar was hosted to offer support in writing and submitting Low-No applications.

San Antonio moved forward with public EV Charging deployment planning.

St. Louis passed their EV Readiness Ordinance with support from the EC, and put its first EVs into service - a successful first phase in the City’s pathway towards electrifying its fleets.

We helped launch electrified dealership programs in Orlando, FL, and Albuquerque, NM. Orlando also passed an EV readiness ordinance.

The EC’s Impact at the Local Level

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

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We helped launch electrified dealership programs in Orlando, FL, and Albuquerque, NM. Orlando also passed an EV readiness ordinance.
In 2021 the Collaborative helped cities avoid 313,600 gallons of gasoline.

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

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.
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.
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” 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.

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.
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).

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.

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.
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.
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.
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
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
EQUITABLE ACCESS TO ELECTRIFICATION

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.
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.

**Growth in 2021**

A 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 Sulor
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

Sincerei Gentry
RAY Fellow

Steve King
Senior Manager, E-Freight and Special Projects

Torin Spencer
Program Specialist

Travis Buholz
EV Specialist

Will Drier
Senior Policy Analyst

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OUR ELECTRIFYING TEAM

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 Wroxton 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
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, or email us at info@electrificationcoalition.org.