



SCEP

STATE & COMMUNITY ENERGY PROGRAMS

Energy Efficiency & Conservation Block Grant (EECBG) Blueprint Cohorts

Session #7: Introduction to Electric Vehicles & Charging
Infrastructure

April 25, 2024



Virtual Housekeeping



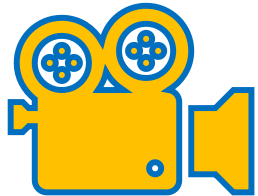
Mute your audio, please!



Use the chat to ask questions during the presentation



We are working on answering your registration questions!



FYI, we're recording! We'll send out the slides and video

Agenda

- EECBG Program Announcements & Reminders
- Intro to Electric Transportation
- Case Study #1: Albany County, NY
- Case Study #2: Montgomery County, MD
- Wrap Up: Key Resources + Q&A

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EECBG Application Deadline Extension | Local Governments

*The EECBG Program application deadline for **local governments** has been extended, from April 30, 2024, to:*

October 31st, 2024

*The EECBG Program application deadline for **Tribes**, remains May 31, 2025*

EECBG Program Reminders

Upcoming Deadlines

- 1 EECBG Program local government application deadline: **October 31, 2024**
- 2 EECBG Program Tribal application deadline: **May 31, 2025**

Exciting EECBG Program Events

EECBG Office Hours

- [Sign up](#) to get your questions answered by DOE Staff! *April 26, May 3, and May 10 at 2:30 pm ET*

EECBG Blueprint Cohorts

May's theme is Resilience!

- [NREL Training](#) | May
- June's theme is J40 & Community Engagement!*
- [NREL Training](#) | June

Other Opportunities

- ✓ [Energy Savings Performance Contracting \(ESPC\) Campaign](#) is a technical assistance opportunity that engages local governments and other stakeholders to expand & enhance ESPC programs. ***Interested in Blueprint 2B? We encourage you to sign up!***
 - EVENT: [Maximizing Municipal Energy Strategies](#) | May 8
- ✓ [Energy Efficiency Finance Foundations Training: Summer '24!](#) This Berkeley Lab training is for public-sector facilities managers, energy/sustainability staff, & finance officers to learn to navigate “finance speak”. ***Interested in Blueprint 5? We encourage you to sign up!***
 - FIRST WEBINAR: *June 20* – [Sign up here for each event!](#)
- ✓ [2024 National Energy Codes Conference](#) | May 6-8 Sacramento, CA. ***Using in Blueprint 2D? This might be of interest to you!***

Your EECBG Support System | If you have questions about

Your Grant or Voucher Application:

- ✓ The status of your application
- ✓ Eligible uses and application requirements (e.g., BABA, NEPA, Davis Bacon)
- ✓ Project-specific questions



Grant Management Team
EECBG@hq.doe.gov

Voucher Team DL-EECBGVouchers@hq.doe.gov

TA Team
TechnicalAssistance@hq.doe.gov

Attend EECBG Program Office Hours! [Sign up here](#)
Every Friday during May at 2:30pm ET
<https://forms.office.com/g/yc3H3xQeEE>

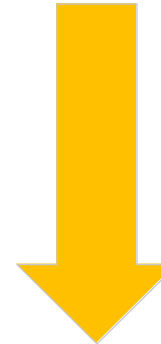
Technical Assistance:

- ✓ Blueprints & Blueprint Cohorts
- ✓ Community Energy Fellowship
- ✓ Other technical assistance
E.g., "How do I incorporate J40 principles into my project?"



Application Portals:

Get voucher and grant application portal technical help



Voucher Portal Administrator (ICF)
EECBGVouchers@icf.com

PAGE platform PAGE-Hotline@hq.doe.gov

Your EECS:

Get support developing your Energy Efficiency Conservation Strategy (EECS)



National Renewable Energy Laboratory (NREL)
EECS_TA@nrel.gov
• 10-20 Hours

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- Wrap Up: Key Resources + Q&A



Linda Bailey

*Technical Assistance Program Manager
Joint Office of Energy and Transportation*

Former Vision Zero director for the District of Columbia
Department of Transportation (DDOT)



Joint Office of
**Energy and
Transportation**

Building a Future Where Everyone Can Ride and Drive Electric

Linda Bailey

EECBG

April 25, 2024

driveelectric.gov

Agenda

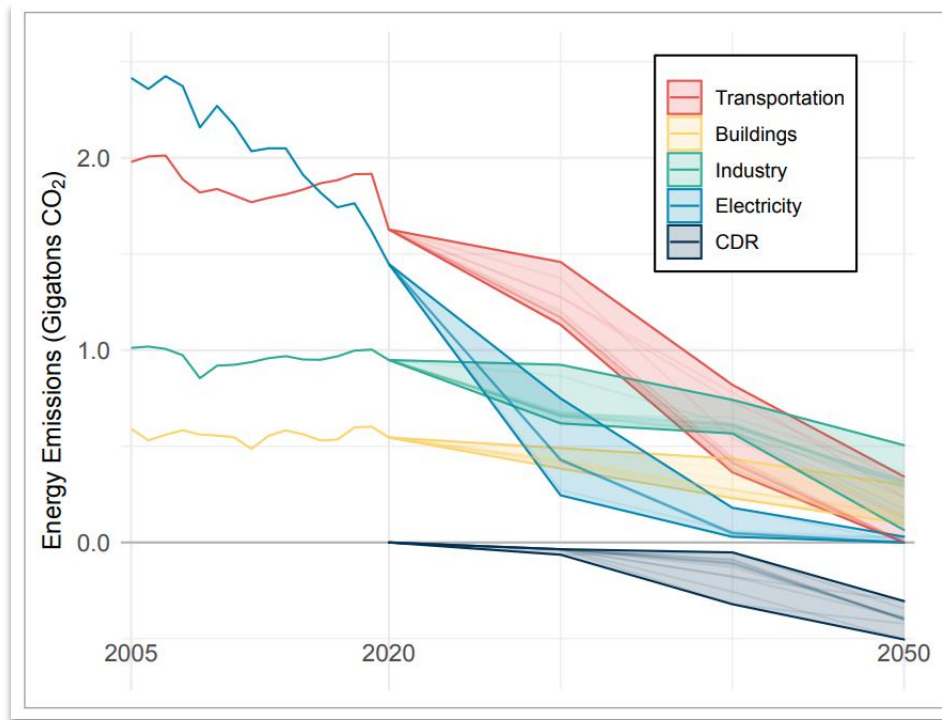
- **Federal** Approach Overview
- Joint Office **Overview and Priorities**
- Joint Office **Funding Opportunity**
- **Technical Assistance Offerings**





Federal Approach Overview

This is the **biggest change to our transportation system in a century** – and we are right in the middle of it.



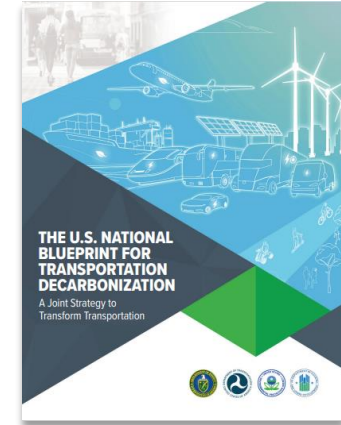
Source: U.S Department of State and Executive Office of the President
November 2021

U.S. National Blueprint for Transportation Decarbonization

Goal:

- Reduce greenhouse gas emissions associated with the transportation sector by 2050 and ensure resilient and accessible mobility options for all Americans

Partners:



2019 U.S. GHG EMISSIONS

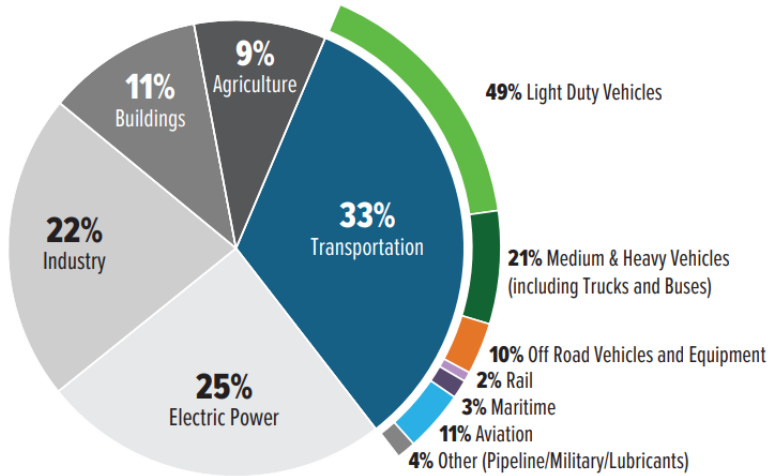

























Figure 2. Total 2019 U.S. GHG emissions with transportation and mobile sources breakdown. Data derived from the EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks [REF. 8](#) This Blueprint uses 2019 as a baseline since impacts due to COVID-19 complicate the use of later data.

Transportation is the leading sector and **light-duty vehicles** are the largest contributor followed by **medium- and heavy-duty vehicles**.

Numerous strategies and solutions are required to tackle transportation emissions



Figure A. Summary of transportation decarbonization strategies.

	 BATTERY/ELECTRIC	 HYDROGEN	 SUSTAINABLE LIQUID FUELS
1 icon represents limited long-term opportunity 2 icons represents large long-term opportunity 3 icons represents greatest long-term opportunity			
Light Duty Vehicles (49%)*		—	TBD
Medium, Short-Haul Heavy Trucks & Buses (~14%)			
Long-Haul Heavy Trucks (~7%)			
Off-road (10%)			
Rail (2%)			
Maritime (3%)			
Aviation (11%)			
Pipelines (4%)		TBD	TBD
Additional Opportunities	<ul style="list-style-type: none"> • Stationary battery use • Grid support (managed EV charging) 	<ul style="list-style-type: none"> • Heavy industries • Grid support • Feedstock for chemicals and fuels 	<ul style="list-style-type: none"> • Decarbonize plastics/chemicals • Bio-products
RD&D Priorities	<ul style="list-style-type: none"> • National battery strategy • Charging infrastructure • Grid integration • Battery recycling 	<ul style="list-style-type: none"> • Electrolyzer costs • Fuel cell durability and cost • Clean hydrogen infrastructure 	<ul style="list-style-type: none"> • Multiple cost-effective drop-in sustainable fuels • Reduce ethanol carbon intensity • Bioenergy scale-up

* All emissions shares are for 2019

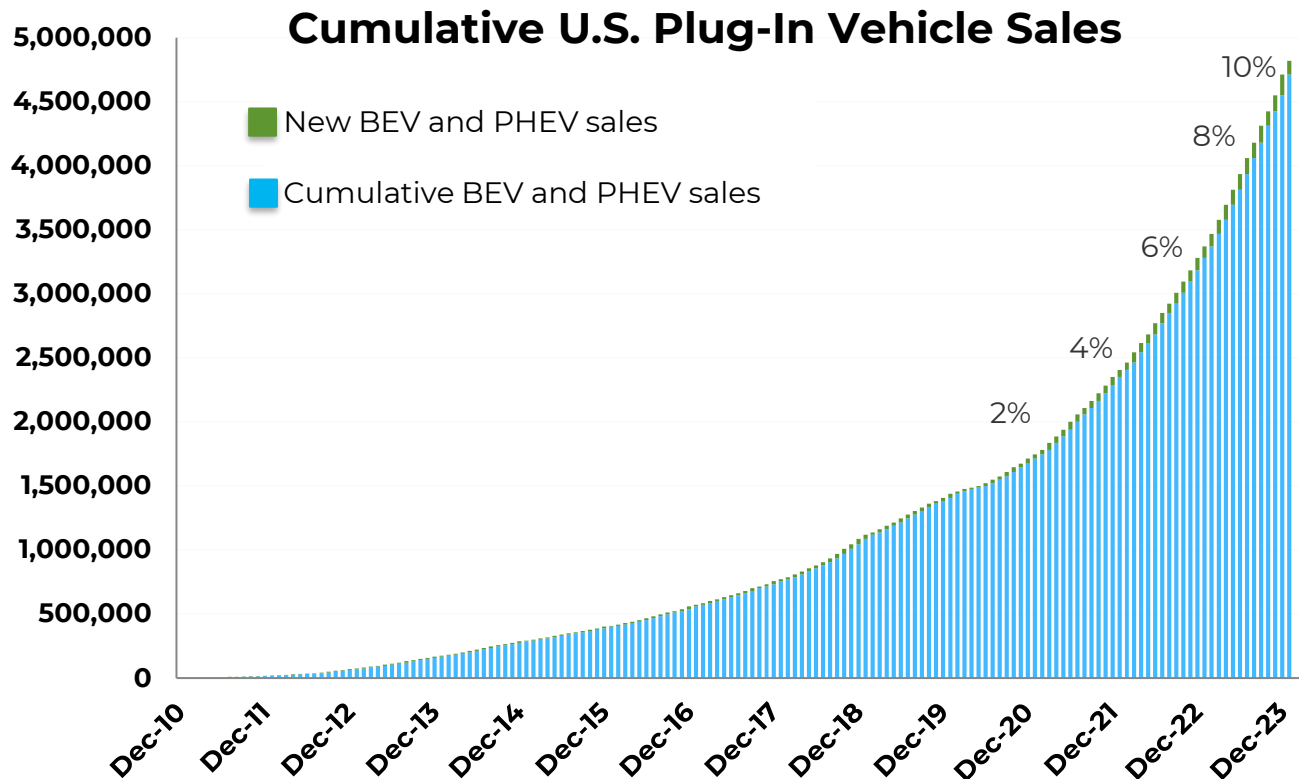
† Includes hydrogen for ammonia and methanol

Figure 7. Summary of vehicle improvement strategies and technology solutions for different travel modes that are needed to reach a net-zero economy in 2050 (more details provided in Section 5).

Source: U.S. National Blueprint for Transportation Decarbonization

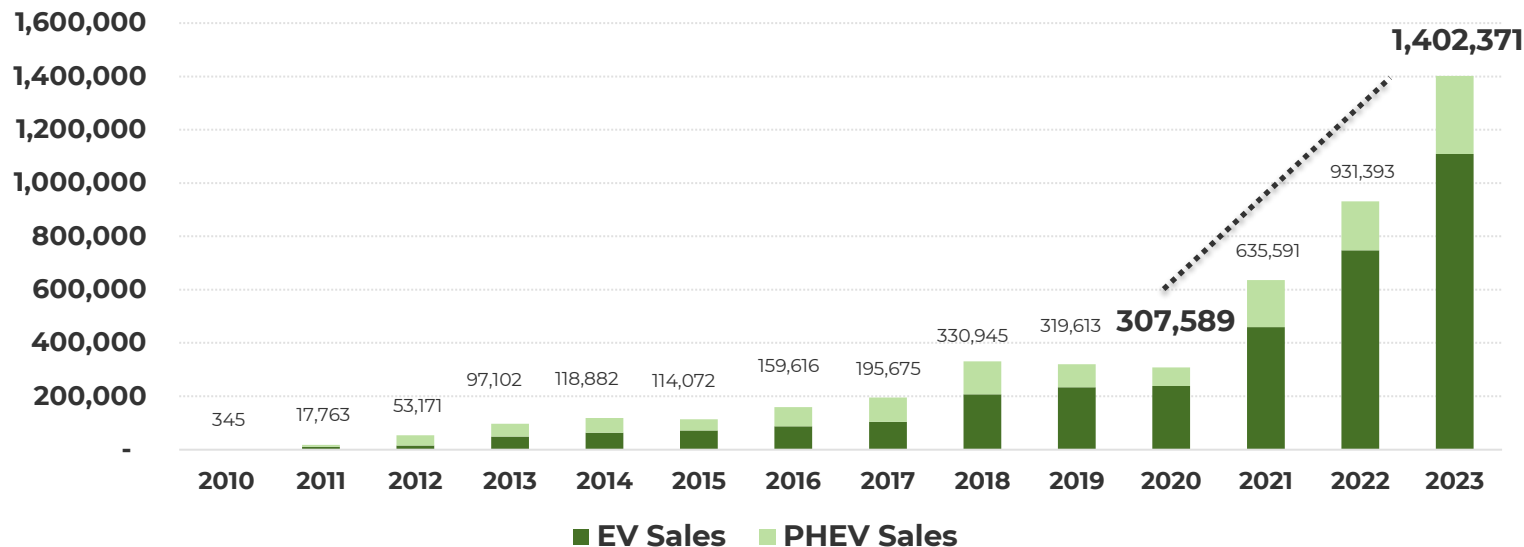
Over 10 years,
the PEV
market
reached **5%.**

**In the last 24
months,** the
PEV market
**jumped from
5% to 10%.**



Source: Argonne National Laboratory

Annual Plug-in EV Sales



Annual **sales of plug-in EVs quadrupled** from 2020 to 2023

Source: Argonne National Laboratory

The Biden Administration is prioritizing building a network of 500,000 public chargers by 2030

- Since President Biden took office, the number of publicly available charging ports has grown by **80%**
- Currently the US has more than **175,000 public charging ports**
 - **35%** of the way to the Biden Administration goal
- **1 in every 10** vehicles sold is an **EV**



First NEVI station charging session in London, Ohio

Source: Ohio DOT



Joint Office Overview and Priorities

Mission and Vision



Mission

To accelerate an electrified transportation system that is affordable, convenient, equitable, reliable, and safe.

Vision

A future where everyone can ride and drive electric.

Vision for the Joint Office of Energy and Transportation

- 1 Support **deployment of zero-emission, convenient, accessible, equitable transportation infrastructure**—coordinating and leveraging activities between the U.S. Department of Energy and the U.S. Department of Transportation.
- 2 Serve as the **front door to the Federal Government for expertise and technical assistance.**
- 3 Serve as a **convenor of federal agencies, private sector companies, NGO and academia** to bring an all of government and stimulate an all of society approach to zero emissions transportation and mobility services.
- 4 Focus on **social return on investment and providing pilot funding to test outcomes** vs. simply hardware.

Infrastructure Investment & Jobs Act (IIJA)

Programs Supported by the Joint Office

The Joint Office provides unifying **guidance**, **technical assistance**, and **analysis** to support the following programs:



National Electric Vehicle Infrastructure (NEVI) Formula Program (U.S. DOT)

\$5 billion for states to build a national electric vehicle (EV) charging network along corridors, including **\$148 million** awarded to repair and replace non-operational chargers.



Charging & Fueling Infrastructure Discretionary Grant Program (U.S. DOT)

\$2.5 billion in community and corridor grants for EV charging, as well as hydrogen, natural gas, and propane fueling infrastructure



Low-No Emissions Grants Program for Transit (U.S. DOT)

\$5.6 billion in support of low- and no-emission transit bus deployments



Clean School Bus Program (U.S. EPA)

\$5 billion in support of electric school bus deployments



Joint Office Funding Opportunities

Joint Office Funding Opportunity:




[Learn more:](#)

Communities Taking Charge Accelerator



Visit [Driveelectric.gov/communities-taking-charge](https://driveelectric.gov/communities-taking-charge)

\$54 million in funding available

Topic Area	Anticipated # of Awards	Anticipated Award Range (\$)	Total Funding Available (\$)
 1. Solving for No-Home Charging: Expanding Charging Access for Privately Owned E-Mobility	6-20	\$250,000 - \$4,000,000	\$23,000,000
 2. Expanding E-Mobility Solutions through Electrified Micro, Light and Medium-Duty Fleets	5-15	\$250,000 - \$4,000,000	\$20,000,000
 3. Managed Charging for Clean Reliable Energy	3-6	\$1,000,000 - \$4,000,000	\$11,000,000

Key Dates

FOA Issue Date:	April 16, 2024
Submission Deadline for Concept Papers:	May 20, 2024, 5 p.m. ET
Anticipated Date of Concept Paper Notification:	June 13, 2024
Submission Deadline for Full Applications:	July 16, 2024, 5 p.m. ET
Expected Submission Deadline for Replies to Reviewer Comments:	Aug. 30, 2024, 5 p.m. ET
Expected Date for DOE Selection Notifications:	Dec. 2024
Expected Timeframe for Award Negotiations:	Dec. 2024 – April 2025

Questions? Please direct towards: FOA3214@netl.doe.gov



Technical Assistance

Technical Assistance Strategies

- Specialized assistance for **states, communities, Tribal Nations, transit agencies, and school districts**
- **One-on-one meetings** with states to address questions and concerns related to NEVI Formula Program
- **Concierge service** (phone, email, web form) to efficiently route technical assistance requests for NEVI, electric school buses, and transit buses
- Technical assistance support team has **50 staff members across 10 organizations**.

Technical Assistance

The Joint Office of Energy and Transportation (Joint Office) provides technical assistance on planning and implementation of a national network of electric vehicle chargers and zero-emission fueling infrastructure as well as zero-emission transit and school buses.

States and Communities

The Joint Office provides technical assistance for [states and communities](#) creating and executing [state plans](#) under the National Electric Vehicle Infrastructure Formula Program and the Charging and Fueling Infrastructure Discretionary Grant Program.

Tribal Nations

The Joint Office provides technical assistance to [tribal nations](#) electrifying their transportation systems. Learn more about zero-emission transportation [funding opportunities for tribal nations](#).

School Districts

The Joint Office provides technical assistance to [school districts](#) applying for or receiving funding through the U.S. Environmental Protection Agency's Clean School Bus Program.

Transit Agencies

The Joint Office provides technical assistance to [transit agencies](#) applying for or receiving funding through the Federal Transit Administration's Low or No Emission Vehicle Program.

driveelectric.gov/technical-assistance

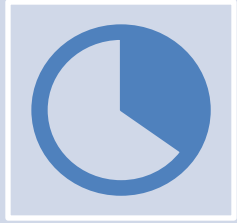


Joint Office of
**Energy and
Transportation**

Thank You

driveelectric.gov

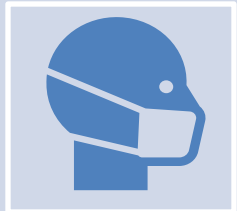
The Impact of the Transportation Sector on Our Shared Goals



The U.S transportation sector is responsible for 29% of total greenhouse gas emissions

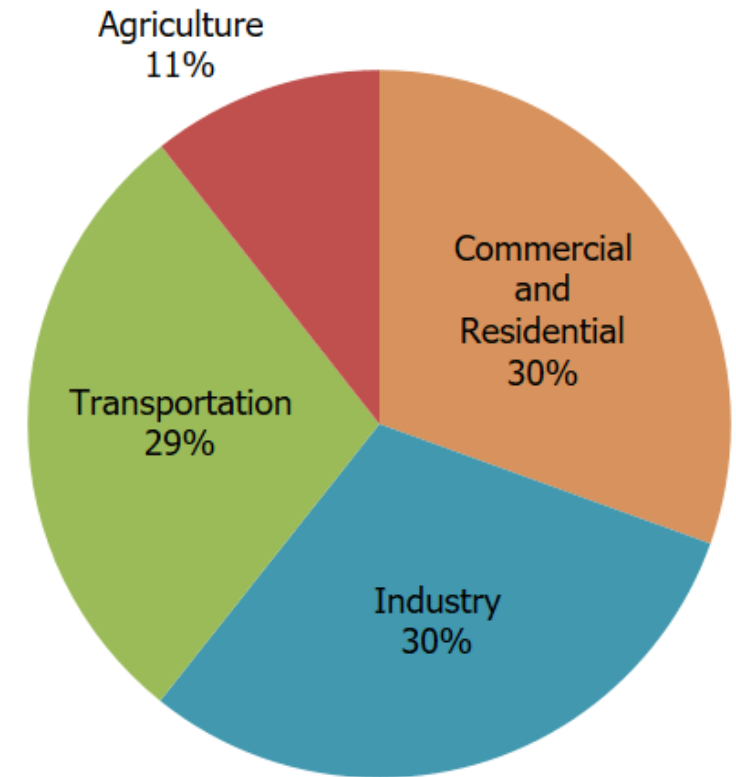


Light-duty vehicles make up 58% of U.S transportation sector emissions, followed by medium and heavy-duty trucks at 23%



More than 45 million Americans live within 300 feet of busy roads and major transportation facilities, increasing their risk of health problems

Total U.S. Greenhouse Gas Emissions by Economic Sector and Electricity End-Use



U.S. Environmental Protection Agency (2023). Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2021

Why Transportation Decarbonization Matters

The Benefits

- ✓ **Health & Air Quality** - improved air quality, reduced cost of social/health services
- ✓ **Emissions Reductions** - helps you meet your community's climate/economic development goals
- ✓ **Energy Cost Savings** – reduced vehicle operating & maintenance costs free up \$\$ to be spent elsewhere
- ✓ **Energy Security** – reduced reliance on oil & gas, as well as limits the impact of price volatility
- ✓ **Improves Safety** – investment in alternative transportation (e.g., walking & biking) improves public safety
- ✓ **Workforce Development** – Expanded manufacturing needs, training opportunities for mechanics



Transportation decarbonization at the local level

Convenient

Planning



Telework
E-Commerce



Travel
Demand
Management



Active
Mobility



Improve Community Design
and Land-use Planning

Efficient

Pool Riding



Operational
Improvement



Public
Transportation



Rail
& Shipping



Vehicle Fuel
Economy



Increase Options to Travel
More Efficiently

Clean

Clean
Electricity



Sustainable
Biofuels
E-fuels



Clean
Hydrogen



Transition to Zero Emission
Vehicles and Fuels

Policies

- ✓ Telework policies to reduce VMT
- ✓ Parking capacity or pricing requirements
- ✓ Reform your zoning code towards mixed-use development

Programs

- ✓ Car free zone program

Projects

- ✓ Sidewalk and bike lane widening in a disadvantaged neighborhood

Policies

- ✓ Improve EVSE permitting processes

Programs

- ✓ ZEV rideshare program
- ✓ Rebate programs for bikes/scooters
- ✓ Micromobility sharing programs

Projects

- ✓ Build more stops along priority bus routes
- ✓ Optimize traffic lights or other public transit features

Policies

- ✓ EV ready code provision for affordable housing

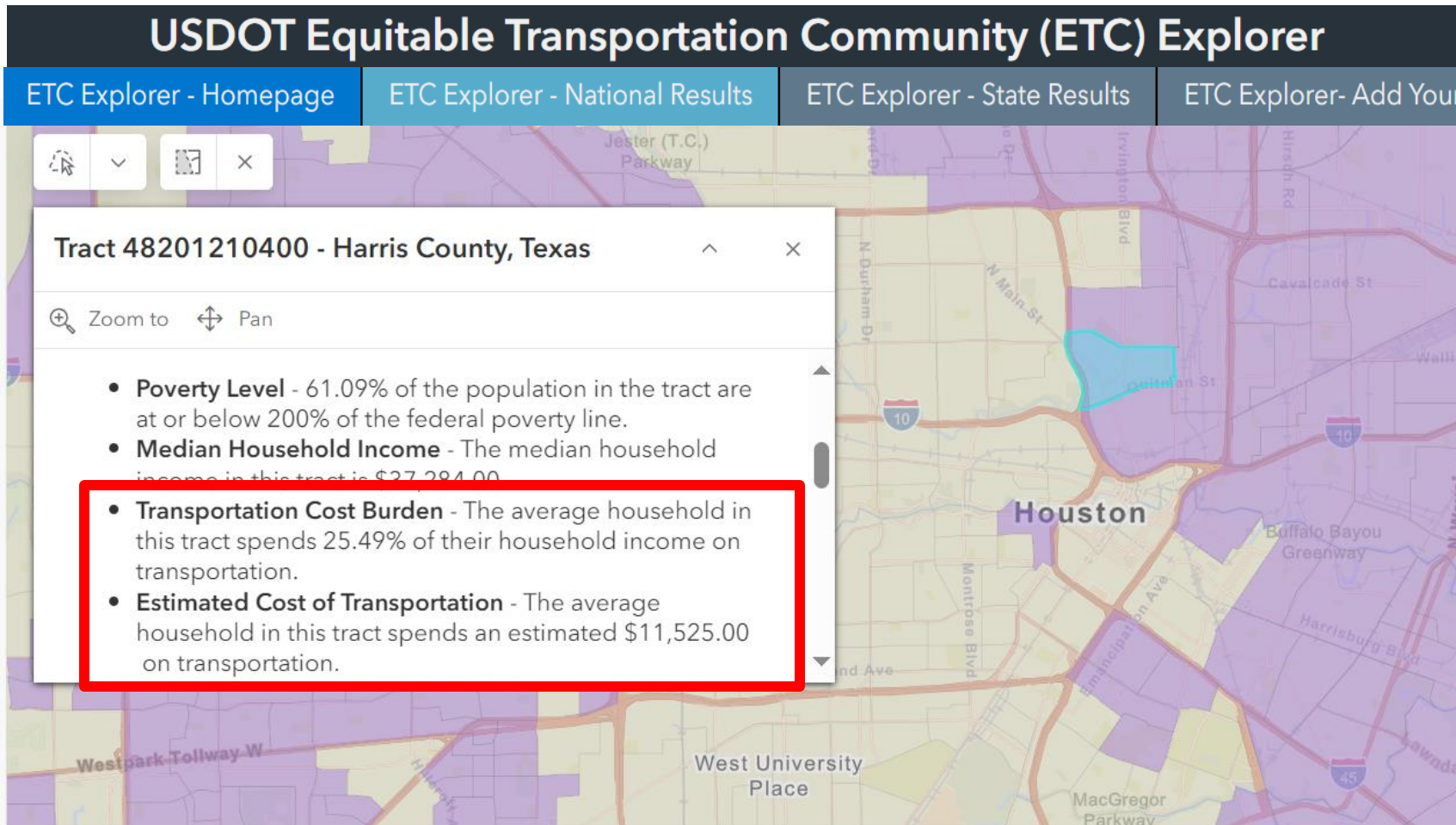
Programs

- ✓ Rebate programs for electric vehicles and/or charging infrastructure

Projects

- ✓ Procure electric fleets
- ✓ Install public chargers in a LMI community

Equitable Transportation | USDOT's ETC Data Explorer



[USDOT ETC Explorer](#): Explore the burden your community experiences due to underinvestment in transportation.

- ✓ Transportation cost burden
- ✓ Estimated cost of transportation
- ✓ Number of Households with no Personal Vehicle
- ✓ Transit availability
- ✓ Estimated drive distances
- ✓ Transportation safety



- ✓ *Environmental indicators*
- ✓ *Climate risk indicators*
- ✓ *Social vulnerability*
- ✓ *Health indicators*

Electric Transportation Blueprints | 4A & 4B

Blueprint 4A: Electric Vehicles and Fleet Electrification

Office of State and Community Energy Programs

[Office of State and Community Energy Programs » Blueprint 4A: Electric Vehicles and Fleet Electrification](#)

This Electric Vehicle and Fleet Electrification Blueprint includes a high-level overview of the process and benefits of fleet electrification, showcases important tools and online resources, and outlines Key Activities to help guide EECBG Program entities to success. A Blueprint Summary PDF is also available for download (below), which provides a concise summary of the Blueprint Key Activities. DOE plans to make technical assistance available to support all entities interested in EVs and fleet electrification, which may include, one-on-one support from national lab or DOE experts, webinars, and peer learning opportunities.



Blueprint 4B: EV Charging Infrastructure for the Community

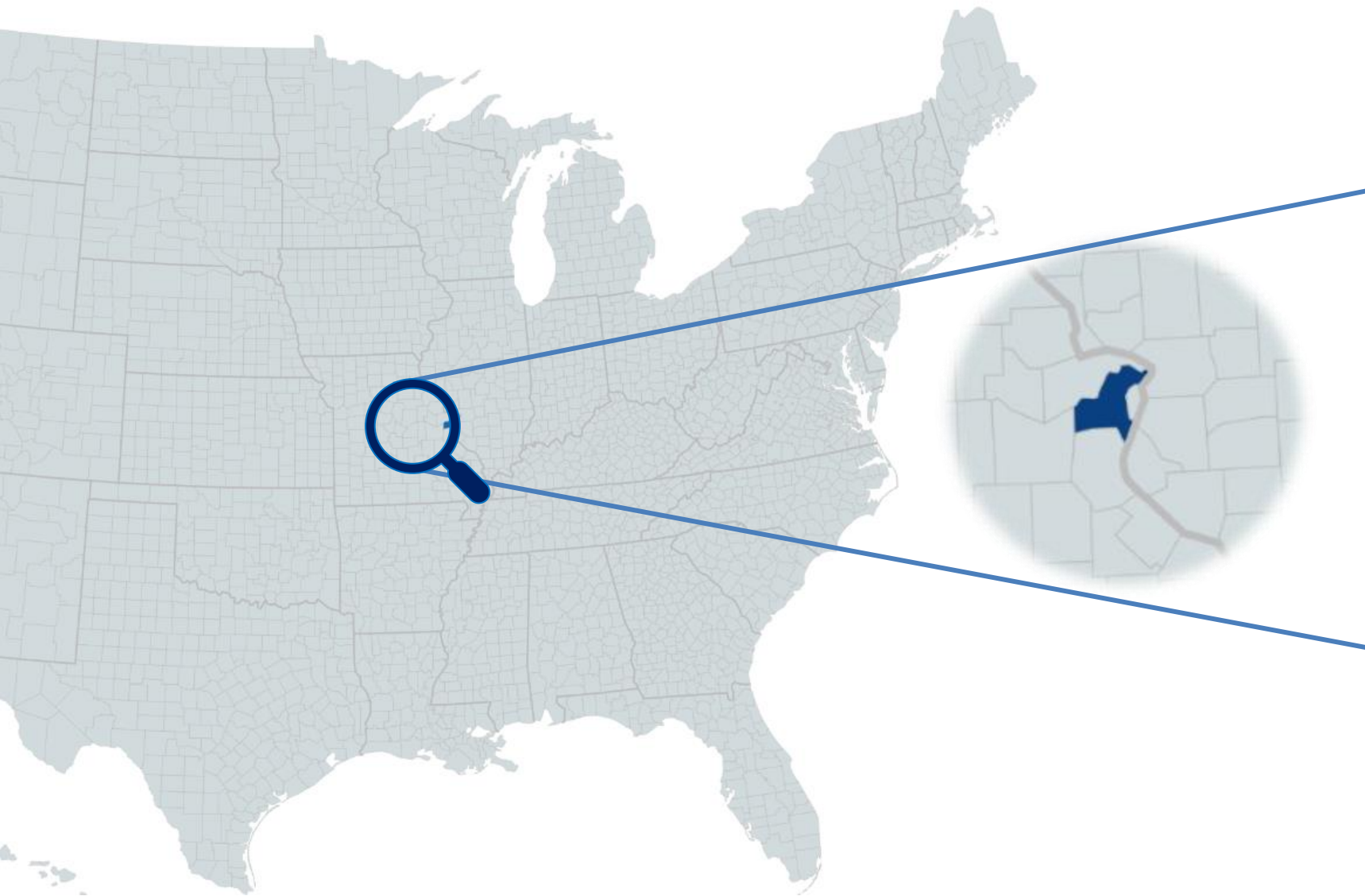
Office of State and Community Energy Programs

[Office of State and Community Energy Programs » Blueprint 4B: EV Charging Infrastructure for the Community](#)

This EV Charging Infrastructure Blueprint includes a high-level overview of the process and benefits of electric vehicle charging infrastructure, showcases important tools and online resources, and outlines Key Activities to help guide EECBG Program entities to success. A Blueprint Summary PDF is also available for download (below), which provides a concise summary of the Blueprint Key Activities. DOE plans to make technical assistance available to support all entities interested in electric transportation, which may include, one-on-one support from national lab or DOE experts, webinars, and peer learning opportunities.



EECBG Community Project Spotlight!



St. Louis County, MO

Amount: \$712,040

Project: Plan, purchase, and install 41 EV charging stations across six county-operated facilities. The county will also purchase five EVs to replace internal combustion engine light duty vehicles

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Albany County, NY

Fleet Electrification and EV Infrastructure

Patrick Curran
Policy Analyst

Office of Albany County Executive Daniel P. McCoy

About Albany County

- Population: ~ 315,000
- 18 Municipalities
- County Fleet
 - The Albany County Fleet consists of 202 vehicles
 - 109 light-duty vehicles
 - 93 medium and heavy-duty vehicles
- 76% internal combustion engines
- 44 light-duty hybrid electric vehicles and 12 light-duty battery-electric vehicles
- Large percentage of commuters into the City of Albany



Albany County EV and Electrification Goals

- “Greenest County in New York State”
- 100% electrification of the County fleet by 2030
- Expand and improve EV infrastructure
- Create alternative/sustainable energy sources
 - MVP Arena Parking Garage Solar Array
- Provide Transportation Alternatives and Green Infrastructure
 - Broadway Corridor Multi-Modal Transportation Study – EV Infrastructure



Procurement Process

- General Procedure
 - The goal of the Albany County Purchasing Division is to make the process as competitive and objective as possible
 - Purchasing Division will identify sources, provide assistance for specification, put out solicitation for bids, proposals and quotes, and interact with vendors
 - Once bids are received, County officials will review, evaluate, and grade the bids. The highest rated vendor will then be selected and notified
- Procurement Challenges
 - Communication with vendors
 - Lack of product availability
 - Funding sources
 - Regulations from partners and municipalities
 - Existing infrastructure

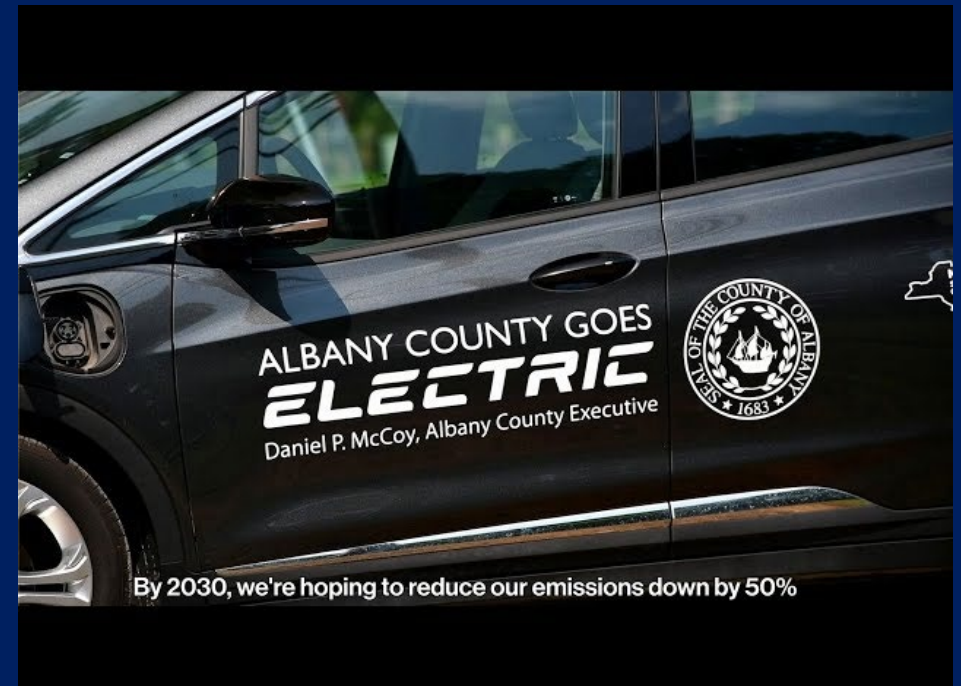
Albany County Electric Vehicle Case Study



<https://youtu.be/BmwFu8qeK8s>

EV Successes

- Electric Vehicles and Charging Stations
- Building Strong Partnerships
 - National Grid
 - NYS Energy Research and Development Authority
 - NYS Department of Environmental Conservation
 - Local Car Dealerships
- Taking advantage of funding opportunities
 - NYSERDA Clean Energy Communities Program
 - NYS Climate Smart Communities Program
- Albany County currently has 25 EV charging ports located across the County and 21 electric County fleet vehicles
- The County has also purchased 8 new light-duty vehicles and 4 new Ford Lightning trucks in 2024



Thank you!



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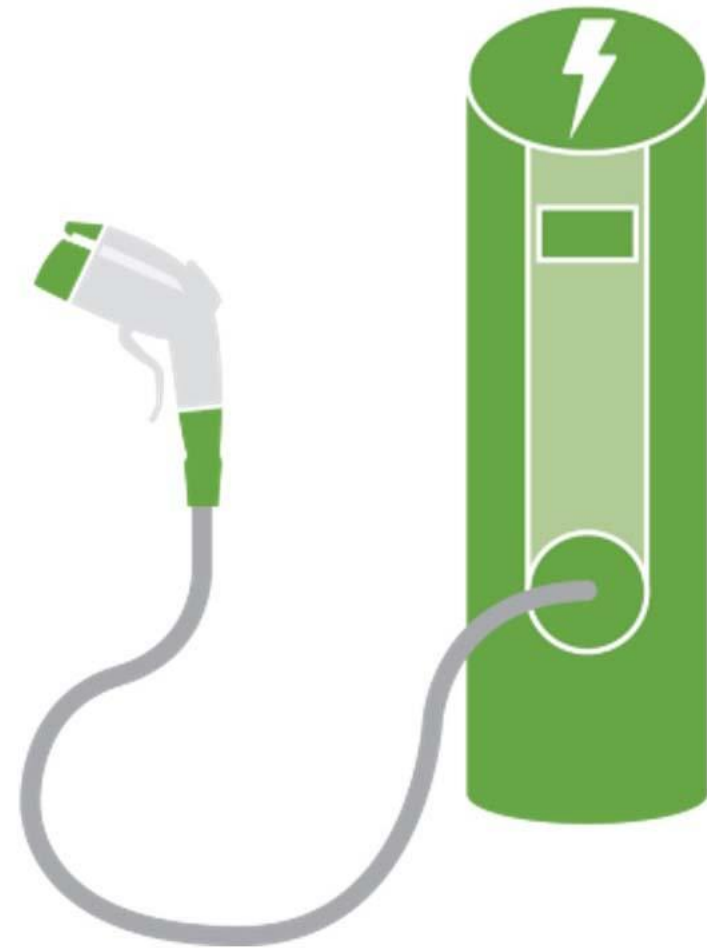


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Charge Montgomery

Community EV Charging Infrastructure Plan

April 2024



Why Electric Vehicles?

The Climate Action Plan sets a goal for 80% emissions reductions by 2027 and 100% by 2035. About 30% of this goal would come from vehicle electrification. EVs will provide a wide range of benefits to County residents:



Zero tailpipe pollution and 50% lower lifecycle emissions



Lower cost of ownership from electricity and maintenance costs



Convenient charging at home, work, or your destination

ZEV Planning



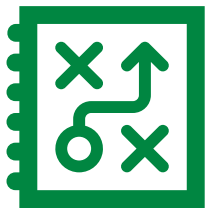
Objectives

1. Accelerate EV Adoption to Rapidly Reduce GHG Emissions
2. Ensure ZEV Adoption Promotes Racial Equity and Social Justice
3. Support the Long-Term Market for ZEV



Barriers

1. High costs for vehicles
2. Lack of EV charging at home
3. Unreliable and insufficient community charging
4. Technology preferences and lack of familiarity among residents and supply chain

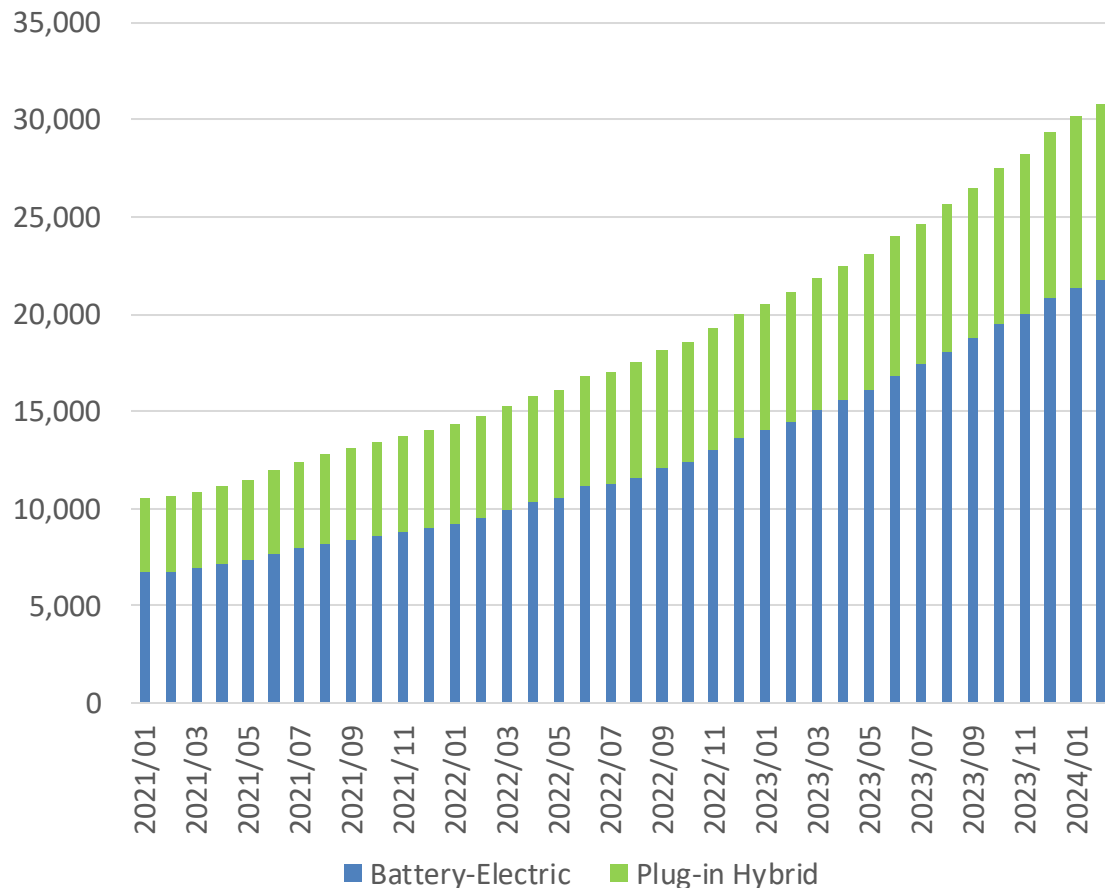


Key Strategies

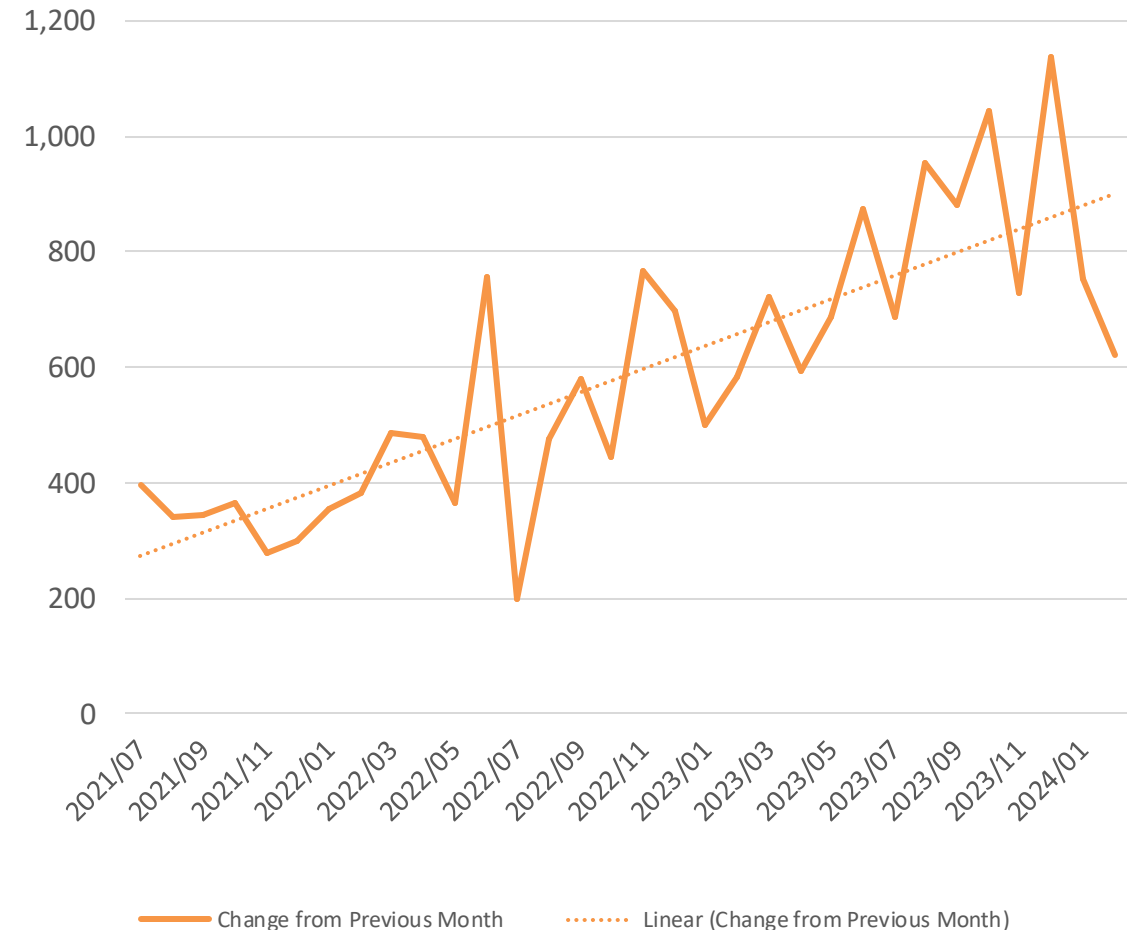
1. Expand community charging through grants and partnerships
2. Offer EV charging planning & technical support for workplaces and multifamily communities
3. Standards and incentives for community charging reliability and experience
4. EV Co-op: cost savings, education, and experiences
5. Education and engagement for dealerships, installers
6. Utility, state, and regional coordination on building codes, grid and charging reliability, incentives

Montgomery County Plug-in Vehicle Data

Plug-in Vehicle Registrations in Montgomery County
(Jan 2021 - February 2024, Monthly)

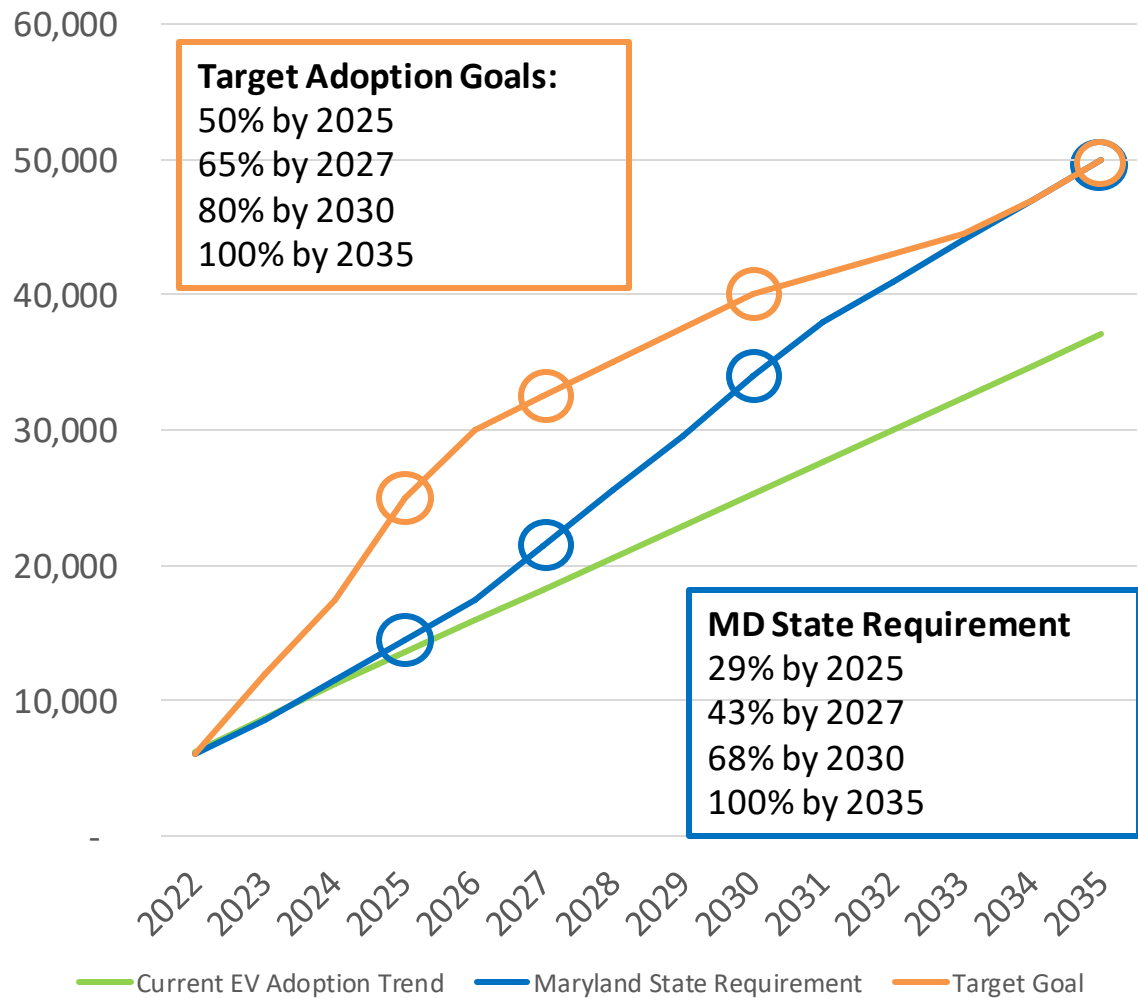


Newly Registered Plug-in Vehicles by Month

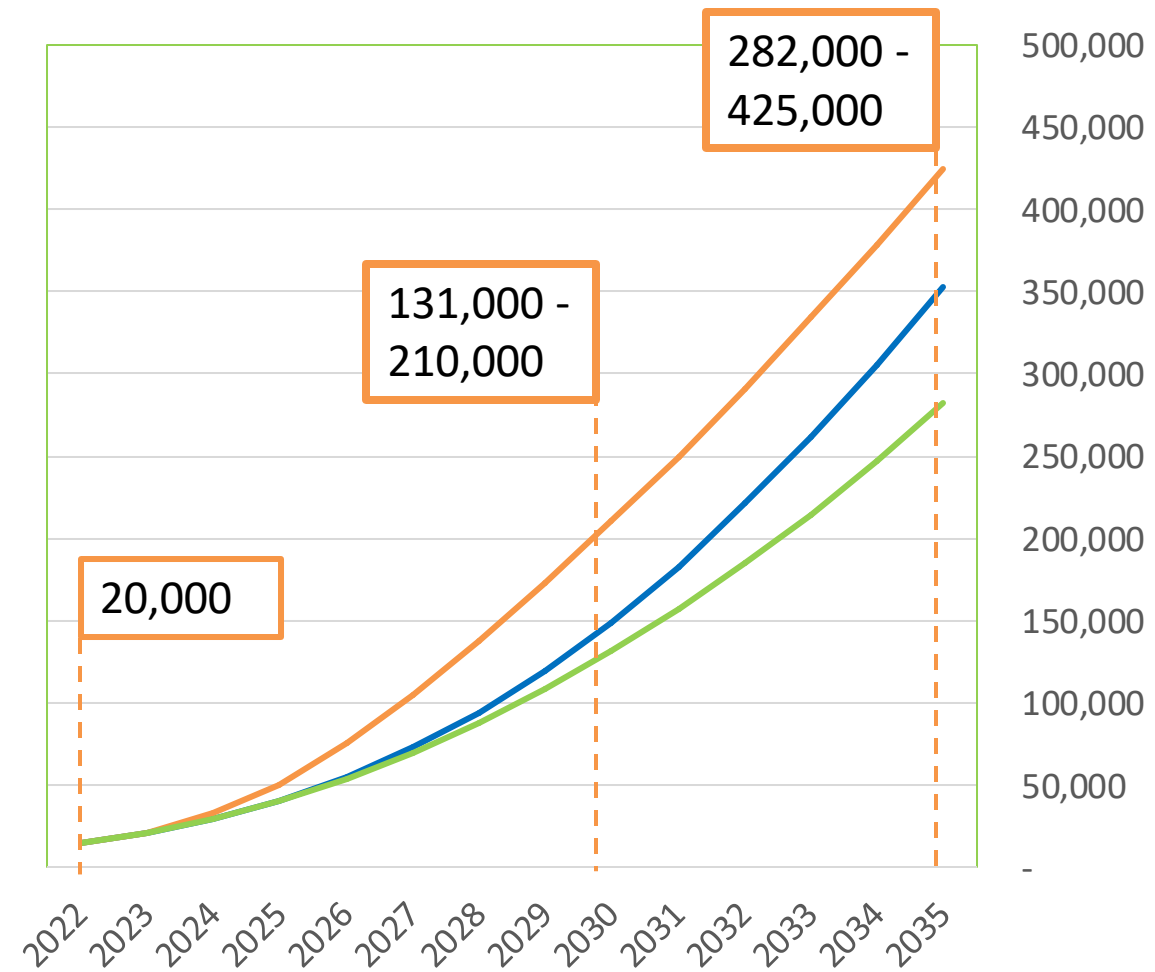


Plug-in Vehicle Projections for Montgomery County

New Plug-in Vehicles Registered Each Year



Cumulative Total of Registered Plug-in Vehicles by Year



Projected EV Charging Demand

Based on projected market adoption of electric vehicles, U.S. DOE's National Renewable Energy Laboratory estimates the following need for EV charging for our region:

Years	Number of Plug-in Vehicles	Private Workplace Level 2 Ports	Multi-Unit Dwelling Level 1 and 2 Ports	Public Level 2 Ports	Total Level 2 Ports	Public Level 3 Ports
Market Today	26,000	<100	<100	618	~800	123
2026	50,000	1,829	807	2,872	5,500	208
2027	75,000	2,745	1,213	4,300	8,200	313
2028	100,000	3,661	1,616	5,732	10,900	418
2030	150,000	4,409	2,415	7,132	14,900	412
2035	300,000	8,820	4,834	14,268	27,800	826



*Assumes 70% of drivers have access to home charging; lower home charging access requires more public and workplace charging

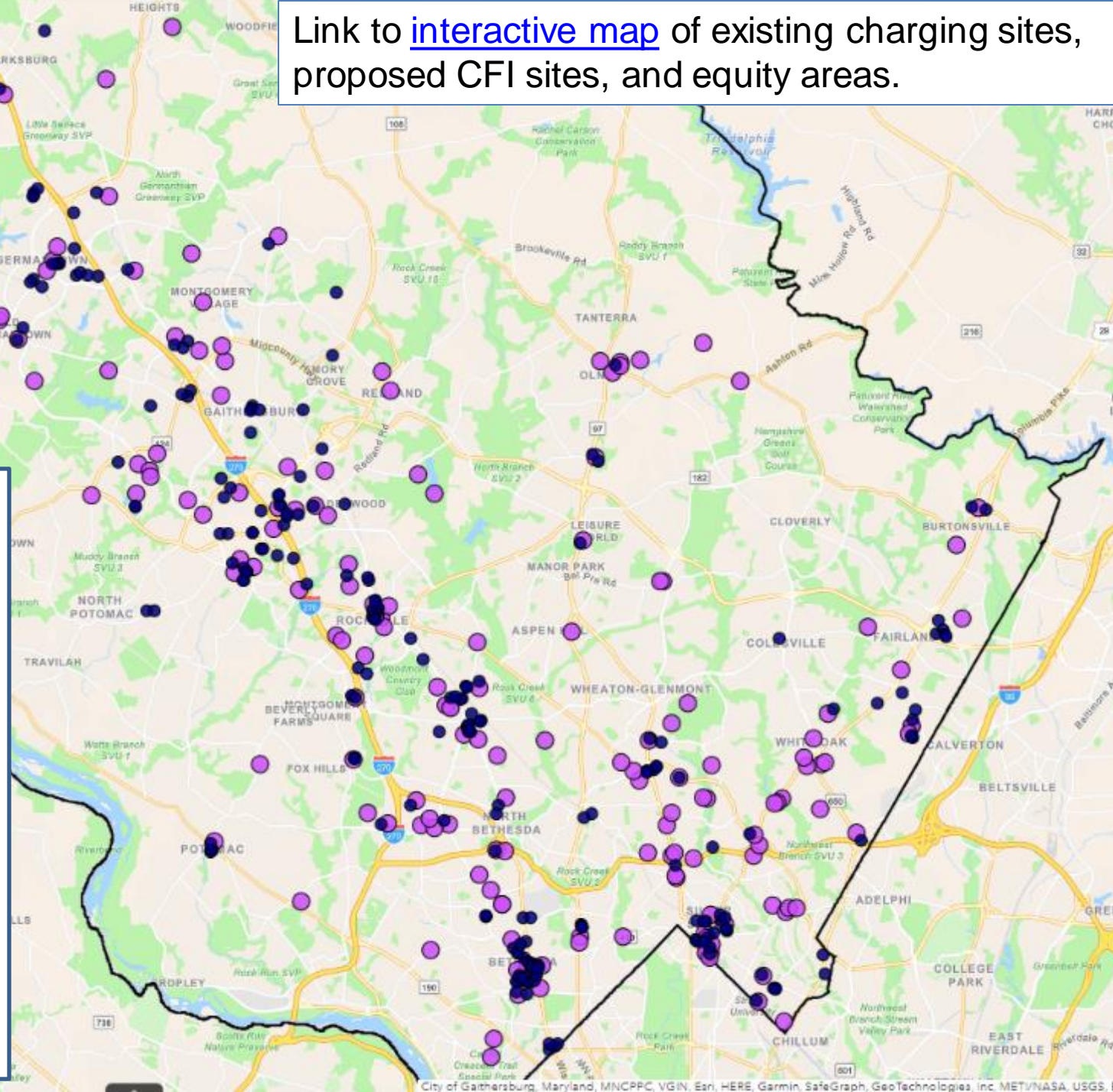
Link to [interactive map](#) of existing charging sites, proposed CFI sites, and equity areas.



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Existing EV Charging and EV Registration

-  Existing charging sites
-  Sites suggested in
Community Charging
Survey





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Equity Based Census Tracts



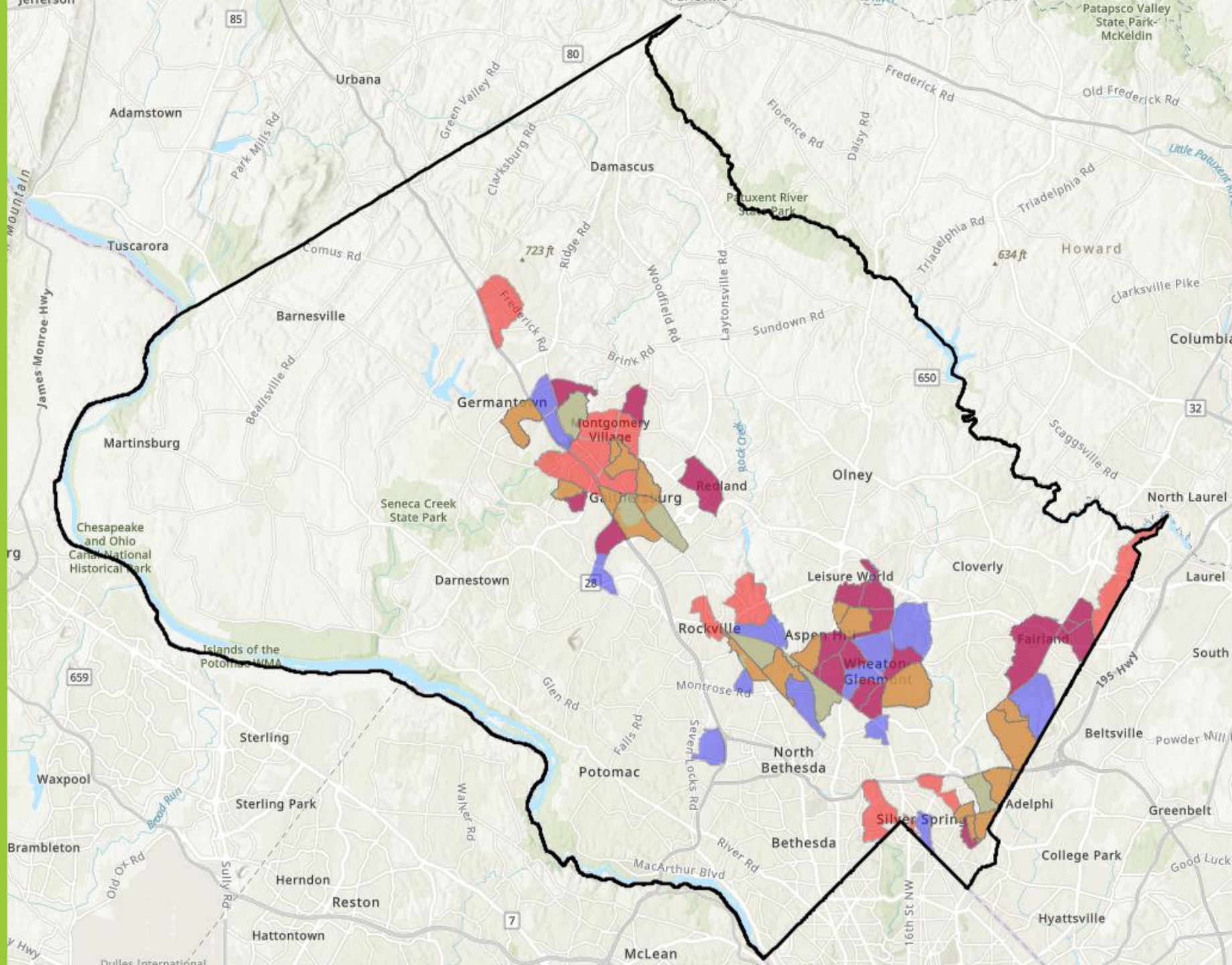
Equity
Focus
Areas



Equity
Emphasis
Areas



Justice 40
Census
Tracts



Prioritizing Sites

Factors:

1. Promote Racial Equity and Social Justice
2. Enable EV Adoption for Apartments and Condos
3. Enable EV Adoption in Rural Areas
4. Meet High Current and Projected Demand
5. Promote Multi-Modal Transportation
6. Serve MCG Fleet and Emergency Management Needs

Community Charging Sites



- Fast Charging Hubs
- Public Parking Garages and Lots
- Libraries and Recreation Centers
- Public Schools
- Park-and-Ride Lots and Transit Centers
- Right-of-Way Charging
- Publicly accessible multifamily properties, workplaces, and destinations

Questions?

Contact: Brian Booher

Senior Planning Specialist – Zero Emissions Vehicles

Brian.Booher@MontgomeryCountyMD.gov

240-506-6075

www.montgomerycountymd.gov/ZEV

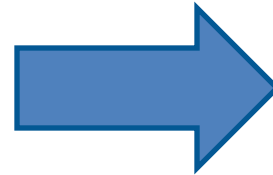
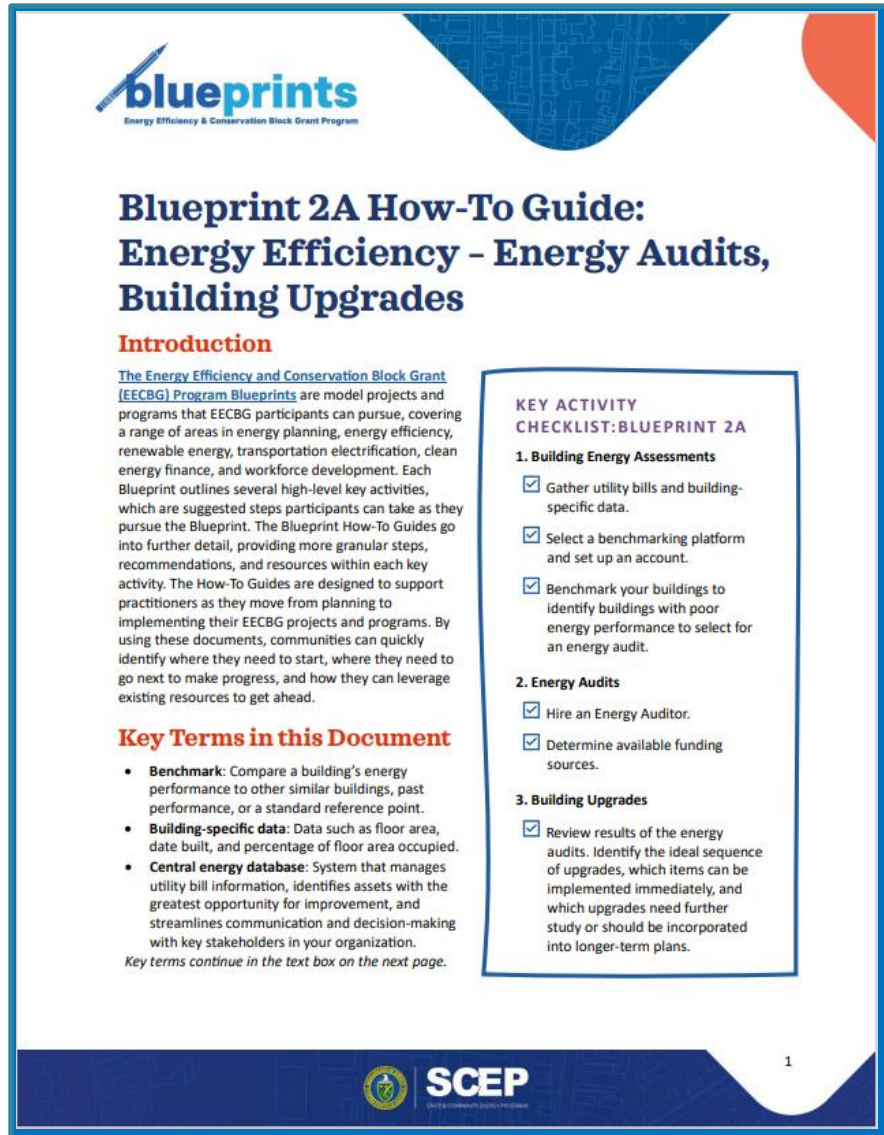


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- EECBG Program Announcements & Reminders
- Intro to Electric Transportation
- Case Study #1: Albany County, NY
- Case Study #2: Montgomery County, MD
- **Wrap Up: Key Resources + Q&A**

Blueprint How-to-Guides



- ✓ *Goes into further detail than Blueprints alone*
- ✓ *Provides more granular steps and recommendations*
- ✓ *Adds additional resources within each key activity*
- ✓ *Supports EECBG program grantees as they move towards implementing their projects*

4A and 4B How-to-Guides coming soon!

Blueprint How-to-Guide | 4A – EV's & Fleet Electrification I/II



KEY ACTIVITY #1



PLAN FOR FLEET REPLACEMENT

- Gather information on fleet
- Engage with stakeholders
- Plan for driver and technician trainings



KEY ACTIVITY #2



SITING PLANNING & PRELIMINARY ASSESSMENTS

- Determine charging locations
- Evaluate charging equipment options
- Coordinate with local utility



KEY ACTIVITY #3



DEVELOP UTILITY DATA SHARING AGREEMENT

- Learn about your utility's managed charging programs
- Work with your utility to develop the agreement
- Make a list of data to share

Blueprint How-to-Guide | 4A – EV's & Fleet Electrification II/II



KEY ACTIVITY #4



DEVELOP CHARGING PLAN

- Gather relevant information about the fleet and billing rates
- Develop the charging plan with a cost assessment of the electric bill



KEY ACTIVITY #5



SUPPORT FOR PURCHASING

- Identify suitable EVs on the market for fleet needs
- Determine financials (incentives & lifecycle costs)
- Procure charging equipment to support EV use



KEY ACTIVITY #6



INSTALL CHARGING INFRASTRUCTURE

- Identify inspection requirements and site needs
- Select construction and electrical contractors
- Manage installation project

Blueprint How-to-Guide | 4B – EV Charging Infrastructure I/II



Blueprint How-to-Guide | 4B – EV Charging Infrastructure II/II



KEY ACTIVITY #4



INSTALL EVSE

- Install and confirm the safety and functionality of your charging equipment
- Confirm the visibility and accessibility of your charging location, including signage and pavement markings



KEY ACTIVITY #5



COMMUNICATION & PROMOTION

- Establish a social media presence
- Provide updates on effectiveness of the charging installations
- Solicit feedback from the community for continued improvements

Other DOE/Federal Funding

Name	Amount	Recipients	Purpose	Due Date
Communities Sparking Investment in Transformative Energy (C-SITE)	\$18M	Local governments and federally recognized Tribes. LGEP focuses on disadvantaged communities, energy communities, and small-to –medium-sized jurisdictions	To implement clean energy projects and programs that provide direct community benefits, spark additional investments, meet community-identified priorities, and build local capacity.	May 31, 2024
Clean Energy Technology Deployment on Tribal Lands	\$50M	Indian Tribes (including Alaska Native Regional Corporations and Village Corporations, Intertribal Organizations, & Tribal Energy Development Organizations)	To deploy clean energy technology on Tribal lands.	May 30, 2024
EPA Community Change Grants	\$2B	Partnership between two community-based non-profit organizations (CBOs). OR Partnership between a CBO & Tribe, local gov., or institute of higher education:	To support community-driven projects that build capacity to tackle environmental and climate justice challenges, strengthen climate resilience, and advance clean energy.	November 21, 2024 (accepted & reviewed on a rolling basis)
Communities Taking Charge Accelerator	\$54M	Institutions of higher education, for-profit entities, non-profit entities; State and local governmental entities, and Tribes	For projects that will expand community e-mobility access and provide clean reliable energy.	Concept Papers due May 20, 2024

[Stay Updated via the State and Local Solution Center:](https://www.energy.gov/scep/slsc/about-state-and-local-solution-center)
<https://www.energy.gov/scep/slsc/about-state-and-local-solution-center>

Other DOE/Federal Technical Assistance

Name	Recipients	Purpose	Due Date
Clean Energy to Communities (C2C)	Local governments, tribes, electric utilities, and community-based organizations	Provides communities with expertise and tools to achieve their clean energy goals through 1) in-depth partnerships, 2) peer-learning cohorts, and 3) expert match	In Depth Partnerships: June 14, 2024 Peer Cohorts: April 30, 2024 Expert Match: Rolling
Energy Transitions Initiative Partnership Project (ETIPP)	Local governments, Tribes or Tribal organizations, community-based organizations, special purpose districts, academic institutions, municipal utilities, electric co-ops.	To help U.S. coastal, remote, and island communities assess and advance the solutions that best meet their needs and become more energy resilient.	July 10, 2024
Clean Bus Planning Awards	States and local governments providing bus service. Tribes, Tribal organizations, or Tribally controlled schools responsible for the purchase of school buses or providing school bus service	Provides school and transit bus fleets with free technical assistance to develop comprehensive and customized fleet electrification transition plans.	Open now, rolling applications.

[Stay Updated via the State and Local Solution Center:](https://www.energy.gov/scep/slsc/about-state-and-local-solution-center)
<https://www.energy.gov/scep/slsc/about-state-and-local-solution-center>

Electric Transportation Resources

EECBG Program Resources

- [Blueprint 4A: Electric Vehicles and Fleet Electrification](#) (How-to-Guide coming soon!)
- [Blueprint 4B: Charging Infrastructure for Your Community](#) (How-to-Guide coming soon!)

Joint Office of Energy and Transportation

- [Technical assistance and resources for communities](#)
- [Technical assistance and resources for Tribes](#)
- [Data and Tools](#)
- [Subscribe to the Joint Office newsletter](#)
- [Upcoming and past webinars](#)
- [Open funding opportunities](#)
- [Public Electric Vehicle Charging Infrastructure Playbook](#)

Other Transportation Resources

- [US National Blueprint for Transportation Decarbonization](#)
- [Benefits of Electric Vehicles for Local Governments](#)
- [Electrifying Transportation in Municipalities: A Policy Toolkit for Electric Vehicle Deployment and Adoption at the Local Level](#)
- [Electrification Coalition Resources](#)
- [US DOT Webinar: Climate Change and Transportation 101](#)

Your EECBG Support System | If you have questions about

Your Grant or Voucher Application:

- ✓ The status of your application
- ✓ Eligible uses and application requirements (e.g., BABA, NEPA, Davis Bacon)
- ✓ Project-specific questions



Grant Management Team
EECBG@hq.doe.gov

Voucher Team DL-EECBGVouchers@hq.doe.gov

TA Team
TechnicalAssistance@hq.doe.gov

Attend EECBG Program Office Hours! [Sign up here](https://forms.office.com/g/yc3H3xQeEE)
Every Friday in May at 2:30pm ET
<https://forms.office.com/g/yc3H3xQeEE>

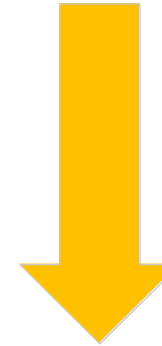
Technical Assistance:

- ✓ Blueprints & Blueprint Cohorts
- ✓ Community Energy Fellowship
- ✓ Other technical assistance
E.g., "How do I incorporate J40 principles into my project?"



Application Portals:

Get voucher and grant application portal technical help



Voucher Portal Administrator (ICF)
EECBGVouchers@icf.com
PAGE platform PAGE-Hotline@hq.doe.gov

Your EECS:

Get support developing your Energy Efficiency Conservation Strategy (EECS)



National Renewable Energy Laboratory (NREL)
EECS_TA@nrel.gov
• 10-20 Hours

Thank You !!