



Joint Office of
**Energy and
Transportation**

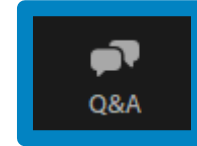
Explore the Public EV Charging Playbook

8/27/2024

driveelectric.gov

Zoom Tips and Housekeeping

- Controls are located at the bottom of your screen. If they aren't appearing, move your cursor to the bottom edge.
- Submit questions using the “Q&A” window



Disclaimer

Notice: This webinar is being recorded and may be posted on the Joint Office website or used internally.

If you speak during the webinar or use video, you are presumed to consent to recording and use of your voice or image.

Agenda

Introduction from the Joint Office

Presentations from panelists

Audience Q&A



Panelists



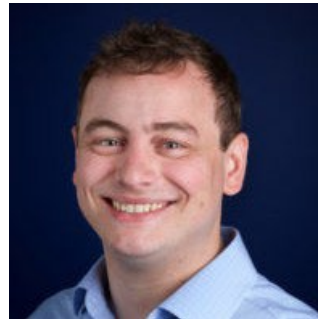
Lauren Reichelt

*National Renewable Energy
Laboratory (NREL)*



Kaylyn Bopp

NREL



Brian Booher

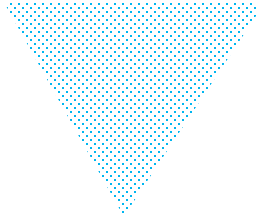
*Montgomery County
Dept. of Environmental
Protection*



Alana Wilson

NREL

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.

Programs Supported by the Joint Office



National Electric Vehicle Infrastructure (NEVI) Formula Program (U.S. DOT)
\$5 billion for states to build a national 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 for communities to build 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 for transit agencies to deploy low- and no-emission transit buses



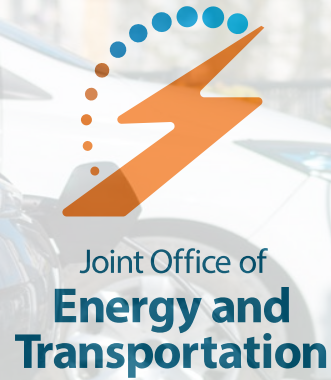
Clean School Bus Program (U.S. EPA)
\$5 billion in support of electric school bus deployments



Ride & Drive Funding Opportunity (Joint Office)
\$46.5 million to enhance charging resiliency and performance and enhance equitable access



Communities Taking Charge Funding Opportunity (Joint Office)
\$54 million to expand community e-mobility access



Technical Assistance for Communities

[DriveElectric.gov/communities](https://driveelectric.gov/communities)

driveelectric.gov

Webinars

Reports and Toolkits

Help Sheets and Checklists



[Webinar: Zero-Emission Bus Resources](#)

March 14, 2024

This webinar covered available resources from the Joint Office for school districts and transit agencies making the transition to zero-emission buses.



[Webinar: Workforce Development Tools and Resources](#)

March 5, 2024

This webinar focused on workforce training programs, job creation, and local and economic hiring preferences in the transition to electrified transportation.



[Webinar: Curbside EV Charging Strategies](#)

Feb. 27, 2024

Best practices, challenges, and strategies for effectively planning, deploying, and operating curbside electric vehicle (EV) charging projects.



The 2030 National Charging Network:

Estimating U.S. Light-Duty Demand for Electric Vehicle Charging Infrastructure

National Electric Vehicle Infrastructure Formula Program

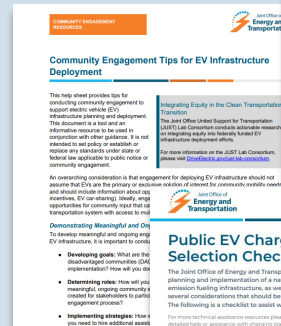
ANNUAL REPORT | Plan Year 2022-2023



CHARGING FORWARD

A TOOLKIT FOR PLANNING AND FUNDING RURAL ELECTRIC MOBILITY INFRASTRUCTURE

U.S. Department of Transportation



Community Engagement Tips for EV Infrastructure Deployment

The help sheet provides tips for conducting community engagement to support electric vehicle (EV) infrastructure planning and deployment. The document is a tool and an information resource to be used in conjunction with other guidance. It is not intended to set policy or establish or replace any standards under state or local law applicable to public review or community engagement.

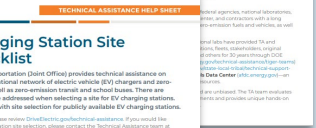
- Developing goals:** What are the discouragement objectives (DOAC) implementation? How will you do it?
- Identifying stakeholders:** How will you do it?
- Implementing strategies:** How will you do it?
- Establishing a process:** What is your level? How will you do it?



Technical Assistance 101 - How Can the Joint Office Support You?

The Joint Office of Energy and Transportation (Joint Office), in partnership with the Federal Highway Administration, Federal Transit Administration (FTA), and Environmental Protection Agency (EPA), offers free technical assistance (TA) on the planning, deployment, operation, and maintenance of a national network of electric vehicle (EV) charging, zero-emission fueling infrastructure, and zero-emission transit and school buses. TA is available to states, communities, tribal nations, school districts, and transit agencies.

- What is Technical Assistance?** It's a problem-solving, peer-to-peer planning and implementation support that helps you overcome barriers to EV infrastructure.
- Who can benefit from TA?** States, communities, tribal nations, school districts, and transit agencies.
- How can the Joint Office help you?** The Joint Office can help you get started and provide support—regardless of whether you are in the planning stage or further along in developing zero-emission vehicles and infrastructure.

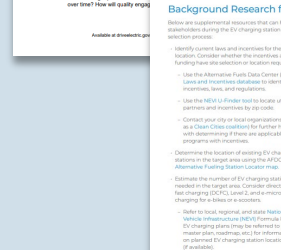


Public EV Charging Station Site Selection Checklist

The Joint Office of Energy and Transportation (Joint Office) provides technical assistance on planning and implementation of a national network of electric vehicle (EV) chargers and zero-emission fueling infrastructure, as well as zero-emission transit and school buses. There are several considerations that should be addressed when selecting a site for EV charging stations. The following is a checklist to assist with site selection for publicly available EV charging stations.

Background Research for EV Charging Station Site Selection

- Identify current laws and incentives:** Review the project location. Consider whether the incentives and funding have site selection or location requirements.
- Use the Alternative Fuels Data Center (AFDC) laws and incentives database:** Identify current incentives, laws, and regulations.
- Use the NEVI AFDC tool:** Identify local utility partners and incentives by zip code.
- Consult your state or local transportation authority:** Use the NEVI AFDC tool to identify utility partners and incentives by zip code.
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WE PROVIDE

Technical Assistance

Contact Us



JOCommunityTA
@nrel.gov

- Specialized assistance for **communities**.
- Come to us with your questions, and we'll connect you with the right resources.
- **Concierge service** (phone, email, web form) to efficiently route technical assistance requests.
- Technical assistance support team has **50 staff members across 10 organizations**.

Joint Office Concierge DriveElectric.gov/Contact



Concierge Service Contact Methods: 833-600-2751 | JOCommunityTA@nrel.gov | driveelectric.gov/contact/

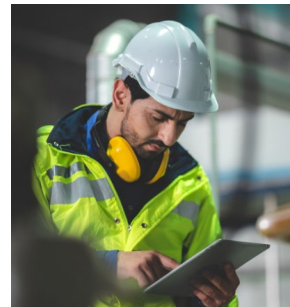
How can we help?



Infrastructure siting needs and support



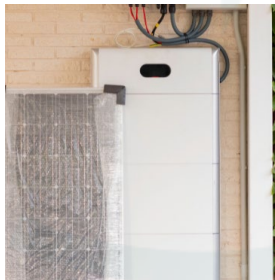
Planning for EV charging deployment



Training and workforce development



Community and stakeholder engagement



Battery energy storage solutions



Power needs analysis and working with the utility

PARTNERING WITH
**YOUR COMMUNITY
FOR A CLEAN
TRANSPORTATION
FUTURE**



The Joint Office of Energy and Transportation (Joint Office) helps communities across the United States advance the development of a zero-emission fueling network that is convenient, affordable, reliable, equitable, and safe.
[DRIVEELECTRIC.GOV/COMMUNITIES](https://driveelectric.gov/communities)



JOCommunityTA@nrel.gov

- Request assistance via online form

- Initial response within 48 hours

- General questions and feedback welcome!

The screenshot shows the 'Contact Us' page. At the top, there is a navigation bar with the logo and menu items: About, Technical Assistance, Data & Tools, Publications, News & Events, and Contact. The main heading is 'Contact Us'. Below it, a paragraph explains the form's purpose: 'Use this contact form to submit a media inquiry, ask a general question about Joint Office of Energy and Transportation resources and activities, or request technical assistance for states, tribal nations, or clean school buses or transit buses.' To the right, there is a 'Find Us on Social' box with icons for LinkedIn and YouTube. The form itself includes a note: 'Required fields are marked with an asterisk (*)'. The fields are: 'Inquiry type *' (a dropdown menu), 'Name *' (a text input), 'Email *' (a text input), 'Subject *' (a text input), and 'Message *' (a large text area). A blue 'Send' button is located at the bottom left of the form.

driveelectric.gov/contact

The screenshot shows the 'Subscribe to News and Updates' page. At the top, there is a navigation bar with the logo and menu items: About, Technical Assistance, Data & Tools, Publications, News & Events, and Contact. The main heading is 'Subscribe to News and Updates'. Below it, a paragraph explains the form's purpose: 'Subscribe to news and updates from the Joint Office of Energy and Transportation.' To the left, there is a list of categories: News, Webinars, and a highlighted 'Subscribe' button. The form itself includes a note: 'Sign up for news alerts *'. The fields are: 'name@example.com' (a text input), and a checkbox with the text: 'By checking this box, you consent to our [data privacy policy](#) *'. A blue 'Next' button is located at the bottom left of the form.

driveelectric.gov/subscribe



Lauren Reichelt and Kaylyn Bopp

NREL

Public Electric
Vehicle Charging
Infrastructure
Playbook

Get started



Joint Office of
**Energy and
Transportation**

INTRODUCTION

PLANNING

ENGAGEMENT

SITING

FUNDING

POLICIES

REGULATIONS

PROCUREMENT

REVENUE

Public EV Charging Playbook

driveelectric.gov/ev-infrastructure-playbook

driveelectric.gov

What are the origins of the Playbook?



C2C: Clean Energy to Communities

U.S. DEPARTMENT OF ENERGY

EV Cohort 2: Planning and Funding for Public EV Infrastructure Deployment

This planning-focused peer-learning cohort brings together participating local governments with Clean Cities coalitions to lay the groundwork for community-wide EV infrastructure planning and understand options for funding EV infrastructure deployment.



www.nrel.gov/c2c

Cohort Structure

Workshop Topics

1. The Role of Local Government in Accelerating EV Charging Infrastructure Deployment
2. Funding for EV Charging Infrastructure
3. Equitable Deployment
4. Local Municipal Codes
5. Contracting with EV Charging Providers and Setting Fee Structures
6. Peer Showcase with Consulting and Coaching



Clean Cities and Communities coalitions provided additional capacity and collaboration to cohort participants and conducted activities on their behalf to create meaningful outcomes and groundwork for their EV plans.

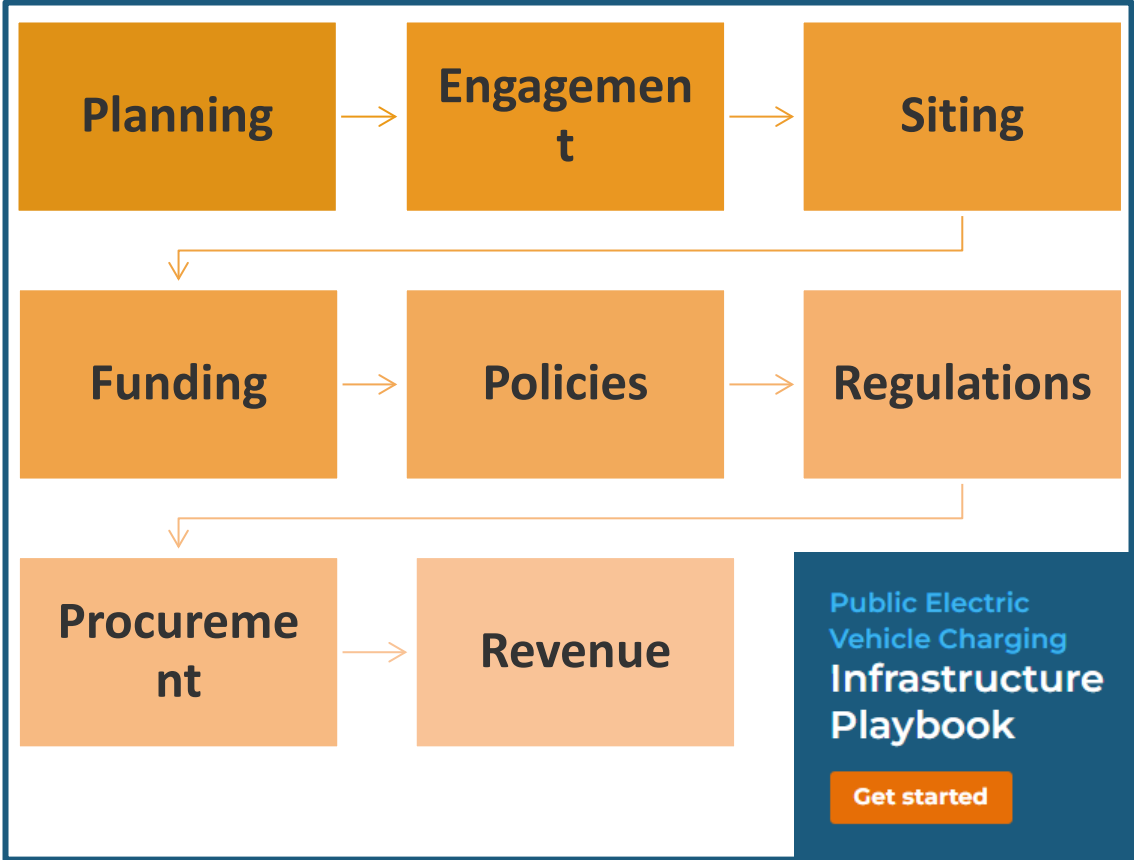
PUBLIC EV CHARGING INFRASTRUCTURE PLAYBOOK

- ❑ Interactive web-based resource to help communities plan and build public EV infrastructure.
- ❑ **Eight modules** with guiding questions, videos, worksheets, and library of additional resources.
- ❑ For use by any community wanting to plan and build EV infrastructure.

Visit [Driveelectric.gov/ev-infrastructure-playbook](https://driveelectric.gov/ev-infrastructure-playbook)

The screenshot shows the website's navigation menu with tabs for INTRODUCTION, PLANNING, ENGAGEMENT, SITING, FUNDING, POLICIES, REGULATIONS, PROCUREMENT, and REVENUE. The 'ENGAGEMENT' tab is selected. Below the menu, the 'Module 2 – Engagement' section is visible, featuring a 'Videos' tab that is highlighted. The page content includes introductory text for the module and a list of 'Additional Resources' with checkboxes for 'All Categories' and 'Funding'. A 'Get started' button is prominently displayed in the bottom right corner of the page.

Eight Modules for Community EV Readiness Planning



Example Module

Module 1: Developing EV Infrastructure Plans

Activities

- ✓ Guiding questions for EV infrastructure planning
- ✓ EV readiness plan template
- ✓ Guidance for conducting a baseline assessment
- ✓ Planning process and timeline template

Videos

- ✓ City of Alexandria, VA – EV Planning Overview
- ✓ Charge Montgomery – Community EV Charging Infrastructure Plan
- ✓ Virginia Beach, VA – EV Community Charging Plan

Additional Resources

- ✓ Downloadable list of real examples of EV Infrastructure plans
- ✓ 7+ EV planning resources and tools from JO, DOT, Electrification Coalition, NREL

Module Activities

☐ Guiding questions

☐ Worksheets

☐ Templates

☐ Guidance

Module 4 – Costs and Funding

This module provides resources to help determine potential costs of proposed EV charging infrastructure, as well as how to identify available funding sources. These resources can help you navigate infrastructure ownership questions, as well as provide considerations to prepare for future funding opportunities to support infrastructure build-out.

Activities

Videos

Additional Resources

Activities

- Download the [guiding questions for EV infrastructure costs and funding](#) to better understand potential costs of proposed EV charging infrastructure, available funding sources, and how to prepare for funding opportunities and ask yourself questions such as:
 - What type of charging equipment (i.e., Level 2, DC fast charger) are you considering, and how many of each do you plan to install?
 - What are the key deadlines and requirements associated with each of those funding opportunities? If requirements are not yet released, are there past cycles of those opportunities that you could use as an example to help you prepare early?
 - Are there any cost-share requirements for any funding opportunity you are considering? If so, what local cost-share options might be available to you?

Module Videos



Community Charging Models- Sarah Cardinali

4/25/2023
driveelectric.gov

Community Charging Models
Presented by: Sarah Cardinali, NREL



Strategies for grid-friendly EV charger siting...
C2C: Clean Energy to Communities
U.S. DEPARTMENT OF ENERGY

4/25/2023
driveelectric.gov

Strategies for Grid-Friendly EV Charger Siting
Presented by: Joseph Womble, WRI



Electric Vehicle Charging Solutions for M...
Community Charging Models
Alexander Epstein, PhD

4/25/2023
driveelectric.gov


Electric Vehicle Charging Solutions for Multi-Family Housing Market Scan
Presented by: Alexander Epstein, PhD; US DOT Volpe Center



Developing EV Charging Station Grant Pr...
C2C: Clean Energy to Communities
U.S. DEPARTMENT OF ENERGY

4/25/2023
driveelectric.gov

Developing EV Charging Station Grant Proposals
Presented by: Alicia Cox



Community Transportation Needs Asses...
C2C: Clean Energy to Communities
U.S. DEPARTMENT OF ENERGY

4/25/2023
driveelectric.gov


Community Transportation Needs Assessment
Presented by: Sarah Stalcup-Jones and Cassandre Torres, Virginia Clean Cities



Western Riverside County Transportation...
C2C: Clean Energy to Communities
U.S. DEPARTMENT OF ENERGY

4/25/2023
driveelectric.gov

Western Riverside County Transportation Needs Assessment
Presented by: Taylor York, Western Riverside County Clean Cities Coalition



AFDC Station Locator 101

4/25/2023
driveelectric.gov

Alternative Fueling Station Locator
Presented by: Abby Brown, NREL



Engaging with your Utility on EVSE Deplo...
C2C: Clean Energy to Communities
U.S. DEPARTMENT OF ENERGY

4/25/2023
driveelectric.gov

Engaging with Your Utility on EVSE Deployment
Presented by: Gregg Kresge

Public Electric Vehicle Charging Infrastructure Playbook

Get started

Module Additional Resources

Module 3 – Deployment Strategies and Site Identification

This module provides resources to guide the determination of how and where to deploy EV charging infrastructure. These resources can be used to develop strategies for EV infrastructure build-out on both public and private property. A preliminary site assessment spreadsheet will help outline the process for identifying gaps and potential sites for new chargers.

Activities

Videos

Additional Resources

Additional Resources

- All Categories
- Retail Site Hosts
- Grid-friendly Sites
- Tools
- Workplace Charging
- Siting Case Study
- Multifamily Housing
- Mobility Hubs
- Accessible Site Design
- Siting Guidance
- Equity
- Curbside Charging

[Workplace Charging for Electric Vehicles](#)

Source: Alternative Fuels Data Center

Category: Workplace Charging

Provides resources to help communities evaluate, plan for, install, and manage workplace charging and engage employees around workplace charging.



Playbook Demo



Brian Booher

Montgomery County Department of
Environmental Protection

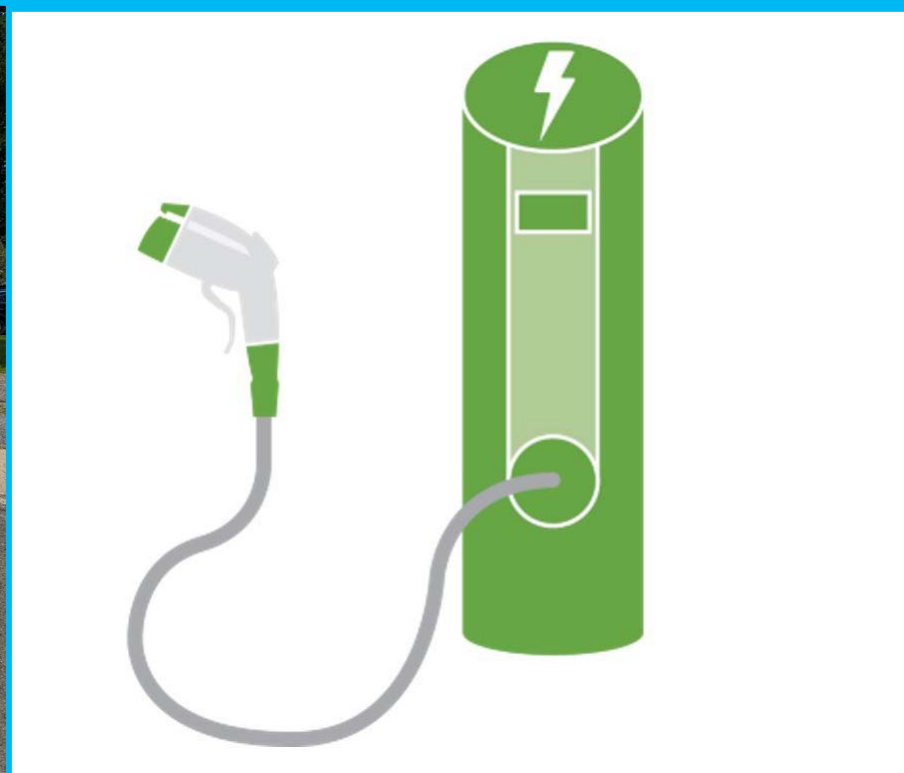


DEPARTMENT OF
**ENVIRONMENTAL
PROTECTION**
MONTGOMERY COUNTY • MARYLAND

Montgomery County, MD

Public EV Charging Infrastructure Playbook

August 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 70% lower emissions on local utility grid



Lower cost of ownership from electricity and maintenance costs



Convenient charging at home, work, or your destination

Zero Emission Vehicle Planning



Objectives

1. Accelerate EV adoption to rapidly reduce GHG emissions
2. Encourage equitable EV adoption for all residents
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

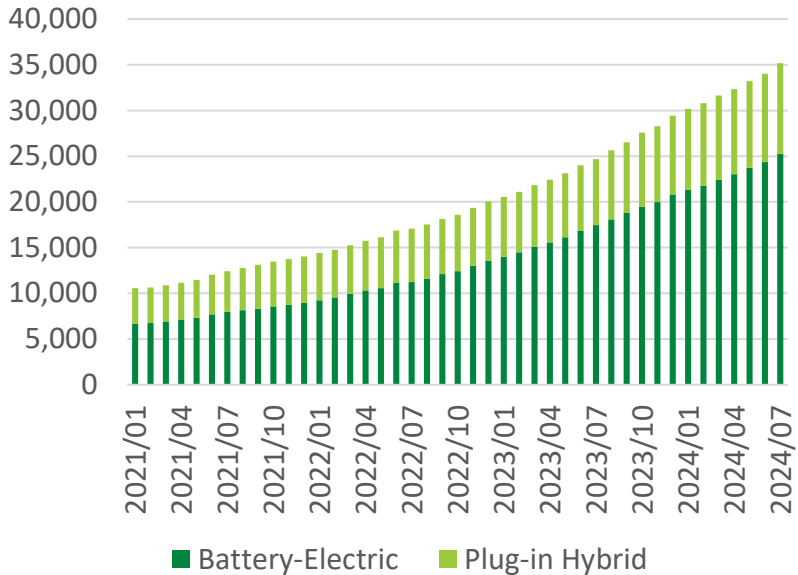


Key Strategies

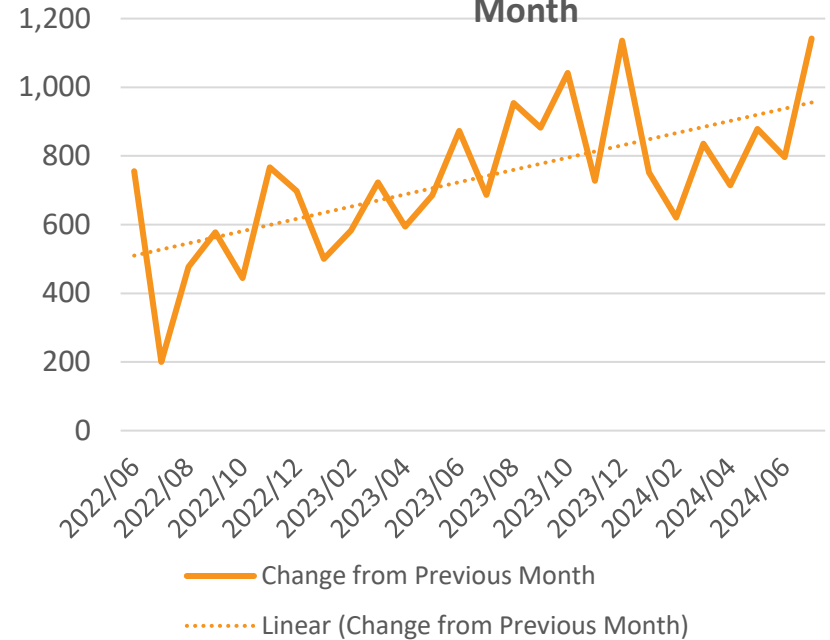
1. Expand community charging through grants and partnerships
2. Offer EV charging planning & technical support for workplaces and multifamily communities
3. EV-ready building codes and standards for community charging
4. EV Co-op: cost savings, education, and experiences
5. Education and engagement for 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- July 2024, Monthly)

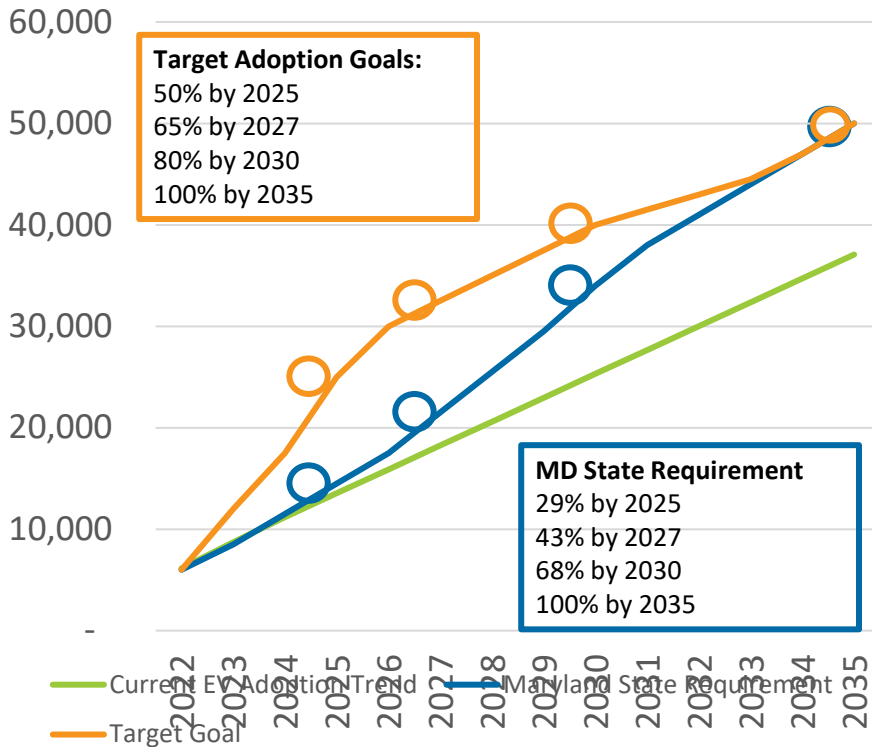


Newly Registered Plug-in Vehicles by Month

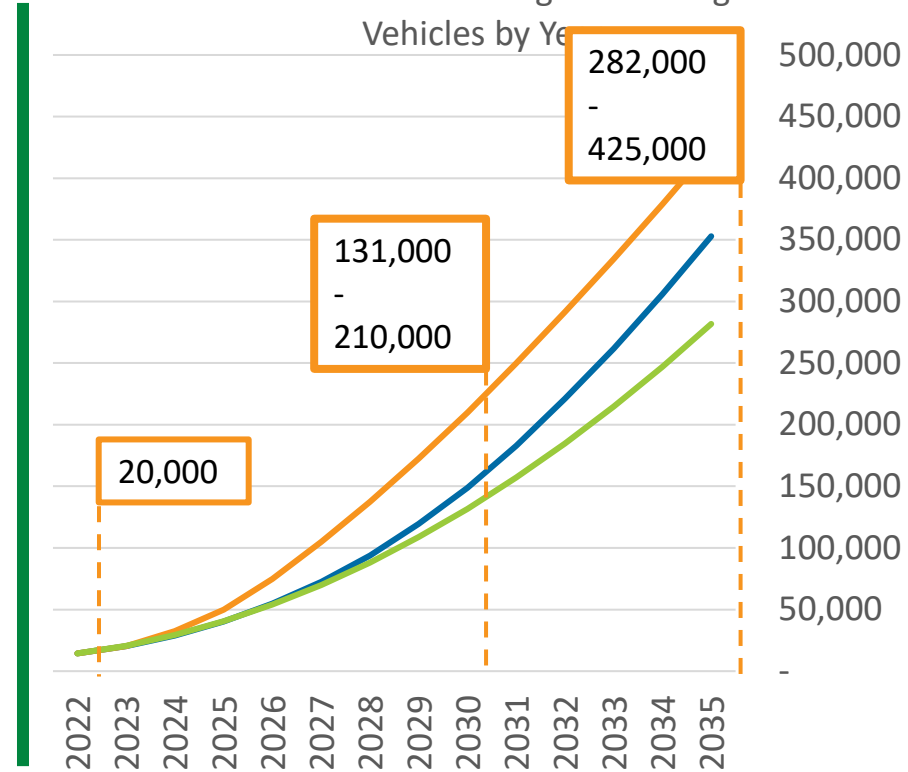


Plug-in Vehicle Projections for Montgomery County

New Plug-in Vehicles Registered Each Year



Cumulative Total of Registered Plug-in Vehicles by Year



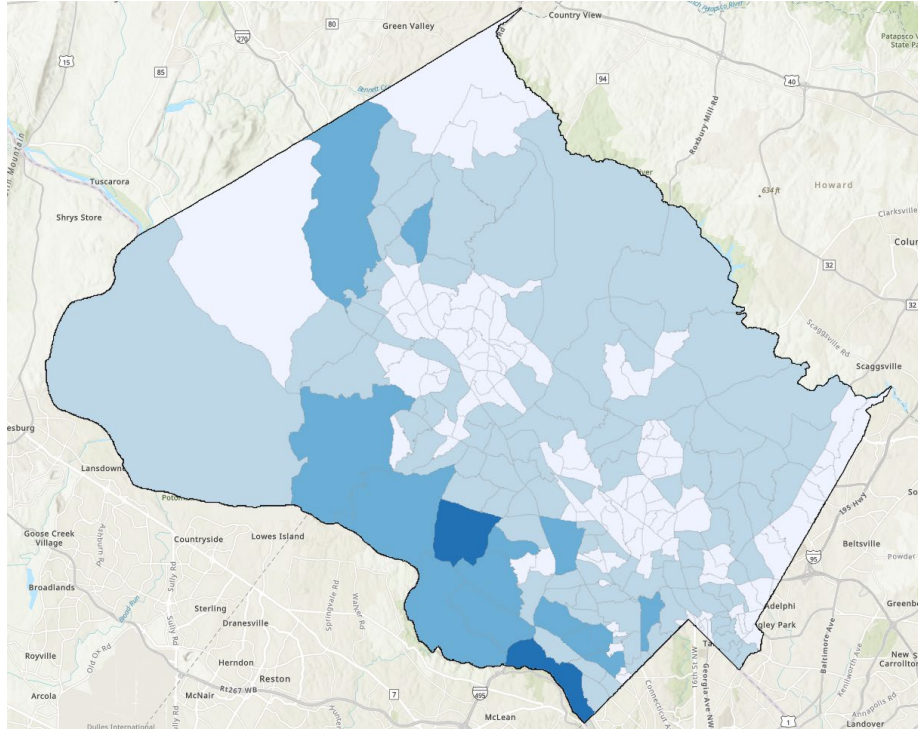
Projected EV Charging Demand

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:

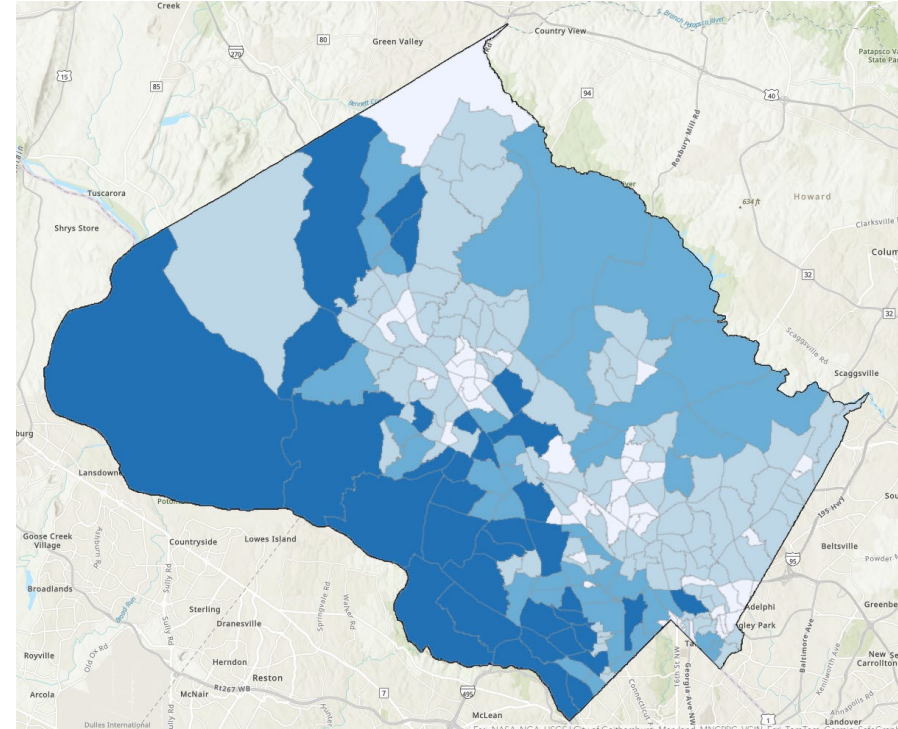
Years	Number of Plug-in Vehicles	Private Workplace Level 2 Ports	Multi-Unit Dwelling Level 1 and 2 Ports	Public Level 2 Ports	Total Level 2 Ports	Public Level 3 Ports
Market Today	36,000	<100	<100	618	~800	123
2026	50,000	1,829	807	2,872	5,500	208
2027	75,000	2,745	1,213	4,300	8,200	313
2028	100,000	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

Projected EV Charging Demand





Plug-in Registrations July 2022

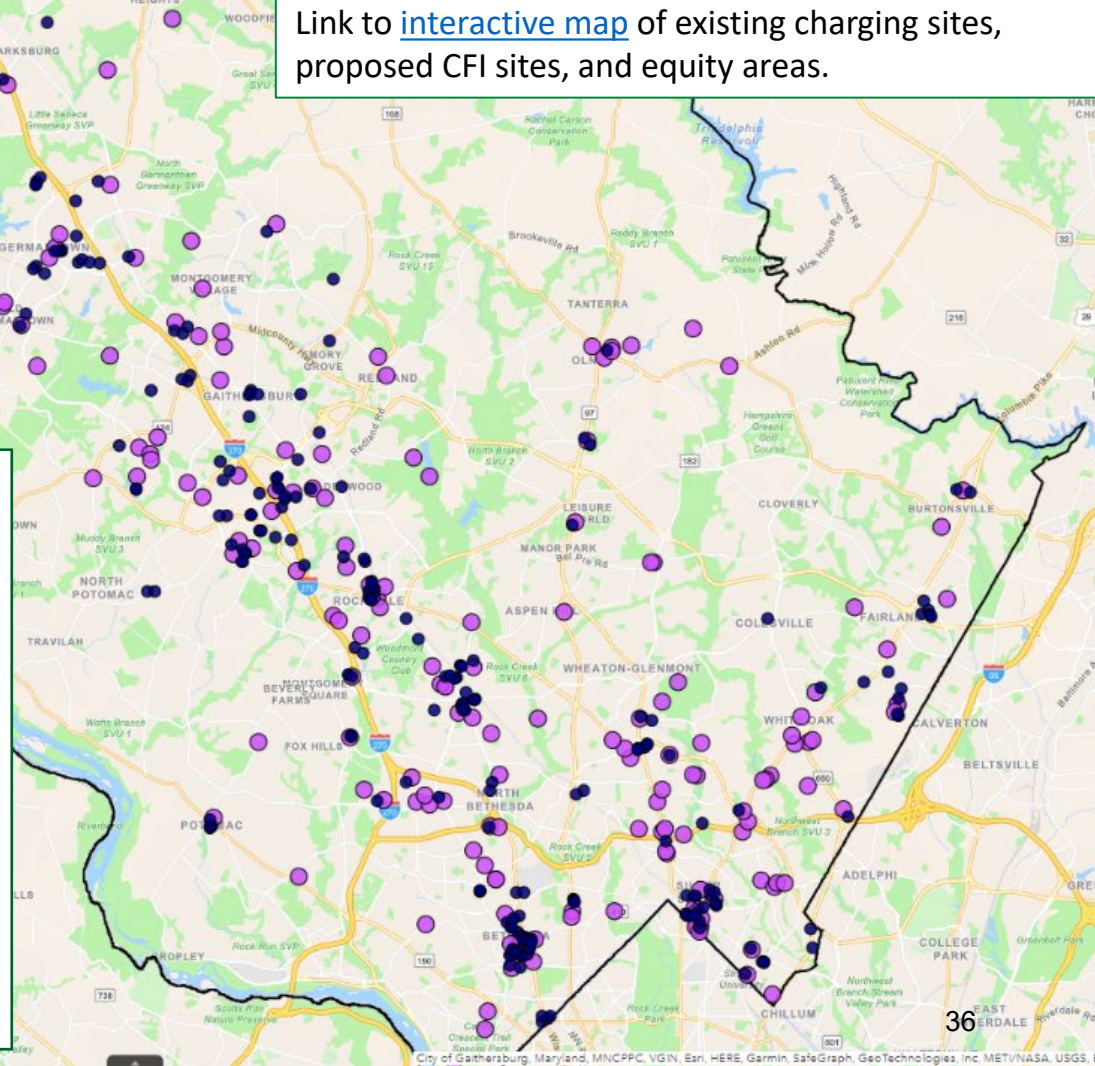


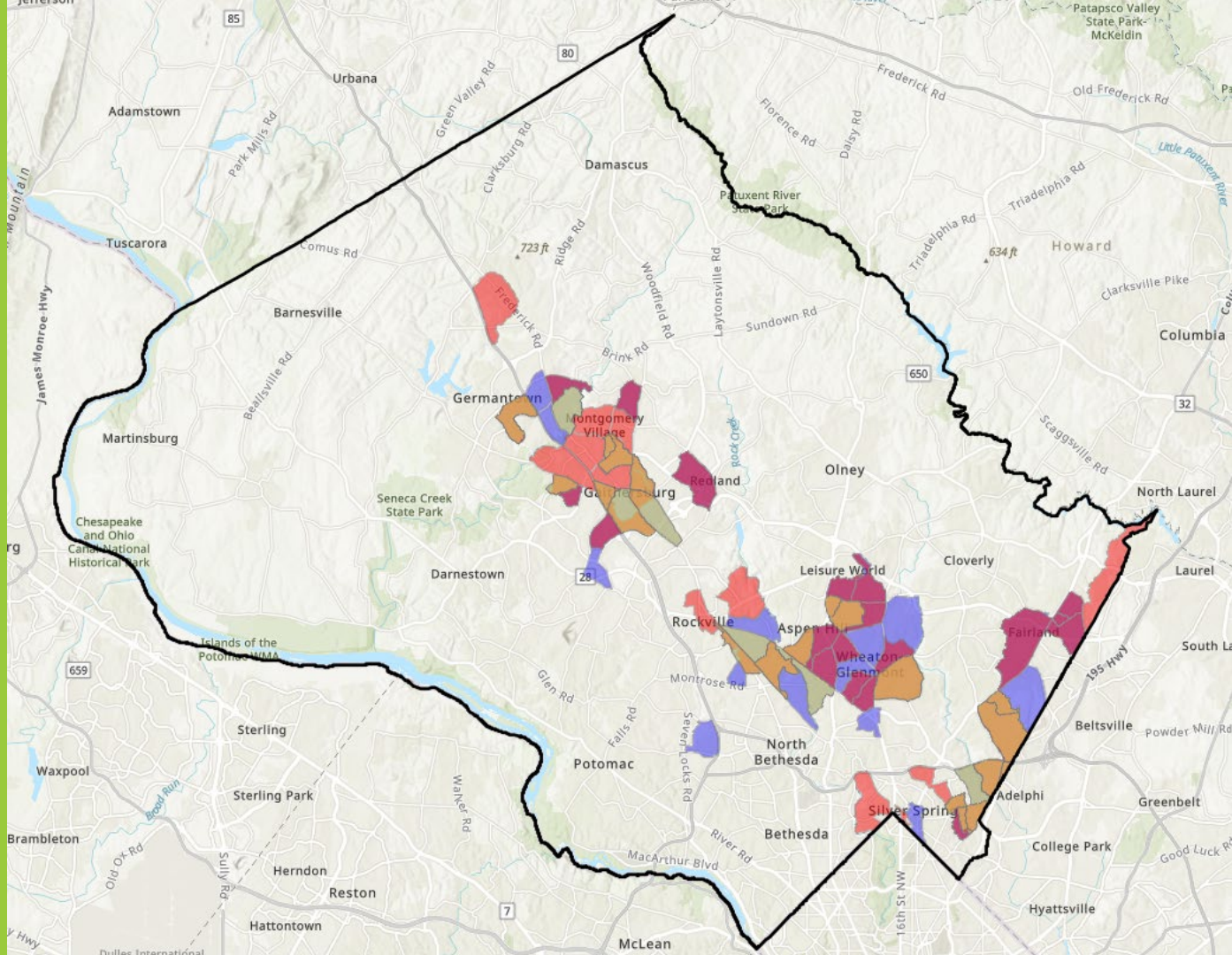
Plug-in Registrations July 2024

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




Existing EV Charging and EV Registration

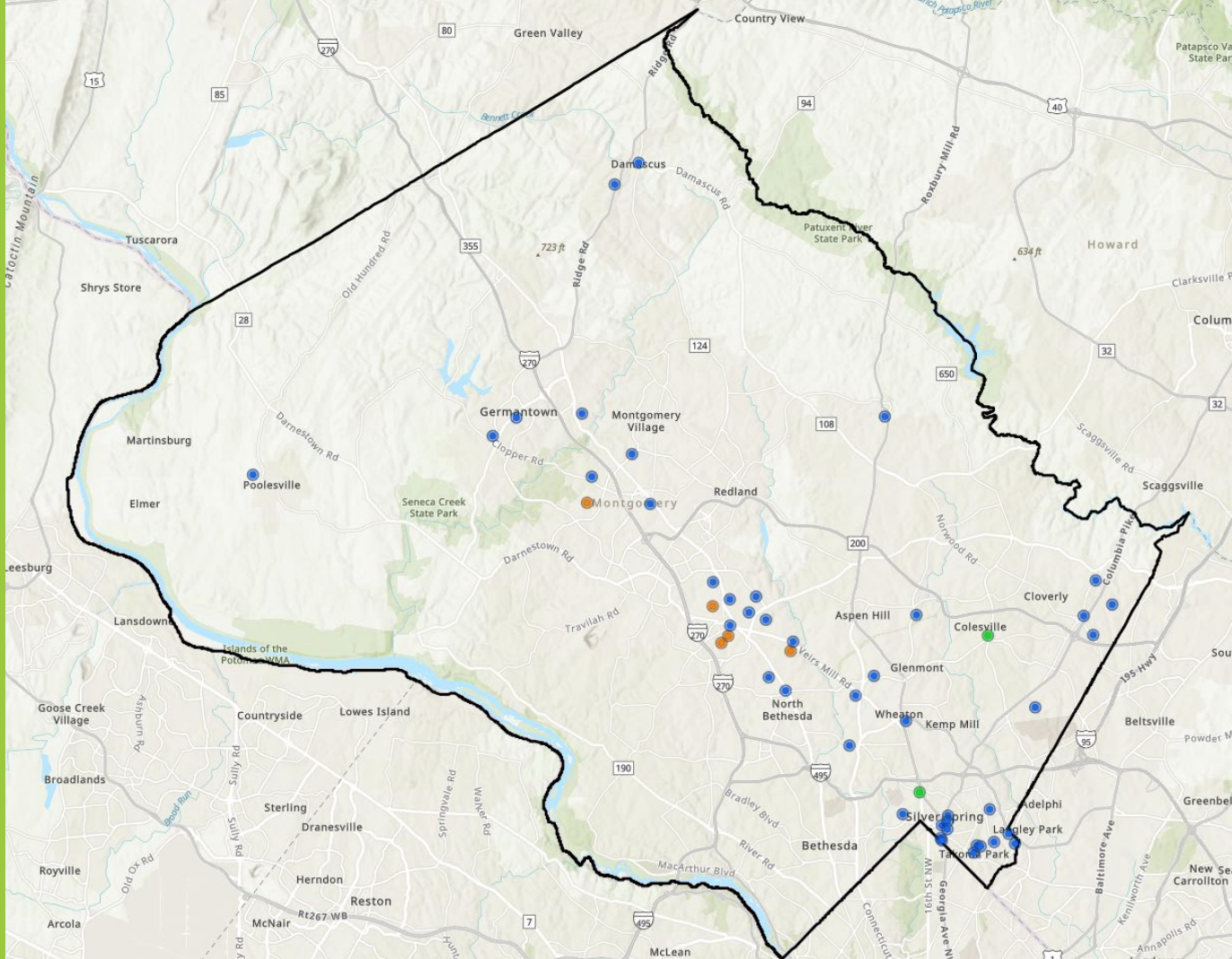
-  Existing charging sites
-  Sites suggested in Community Charging Survey








Equity Based Census Tracts

-  Equity Focus Areas
-  Equity Emphasis Areas
-  Justice 40 Census Tracts



Grant Status

-  Proposed by County
-  Proposed by Other
-  Selected for Funding (Conditional)

Questions?

Contact: Brian Booher

Senior Planning Specialist – Zero Emissions Vehicles

Brian.Booher@MontgomeryCountyMD.gov

240-506-6075

www.montgomerycountymd.gov/ZEV



DEPARTMENT OF
ENVIRONMENTAL PROTECTION
MONTGOMERY COUNTY • MARYLAND



Dr. Alāna Wilson
JUST Consortium



JUST Cross-Lab Equity Consortium

Alāna Wilson, NREL

Lab Leads: Alāna Wilson, NREL; Marcy Rood, ANL; Margaret Taylor, LBNL

www.driveelectric.gov/just-lab-consortium

JUST Lab Consortium

Three Labs: NREL, ANL, LBNL

Equity and Community Expert Group

Equity Research

Synthesize:

- State Plans
- Best/Emerging Practices in:
 - Program Implementation
 - Community Engagement
 - Impacts Assessments (Justice40)
- Academic resources on transportation equity frameworks

Landscape of Equitable Impacts and Siting Tools



Pilot state equity impacts and siting analyses



Justice40 Metrics

Support the Delivery of TA for JO Constituents

Inform Justice40 Implementation

Equity Technical Assistance Delivery Channels



Technical Accomplishments and Progress

Resources available at:
www.driveelectric.gov/just-lab-consortium

1. *Synthesis of Approaches for Incorporating Equity into Clean Transportation*

- Review of NEVI State Plans
- Best practices and lessons learned from past deployment
- Transportation equity and justice literature review

2. *Analysis Capabilities for Equity Program Design and Evaluation*

- Gap assessment and technical resources inventory
- Piloting DOE lab tools with NEVI location data
- Justice40 federal metrics framework support

3. *Equity and Community Expert Group and dissemination of JUST Lab Consortium resources*

- Help sheets: embedding equity into EV charger planning, siting, and engagement
-

Major Insights from Case Studies

Respect the community's culture and members' time; limit requests to priority "asks" and reimburse attendees for their time.

Co-design projects with communities for increased community satisfaction and better utilization and long-term outcomes.

Engage the community regularly and reflect back what is understood about their goals. Engagement is not a task—it's an ongoing process.

Empower community members: appoint them to steering committees, hire them as contractors or apprentices, and/or provide other economic development opportunities.

Provide funds, coaching, and training opportunities upfront to help small CBOs understand proposal requirements, hire staff, and interpret and comply with contracting, invoicing, and other requirements.

Build flexibility into contracting and funding disbursement to enable swift response to changes in project details and payment needs.

Metrics Development – How does Justice40 apply?

Objective:

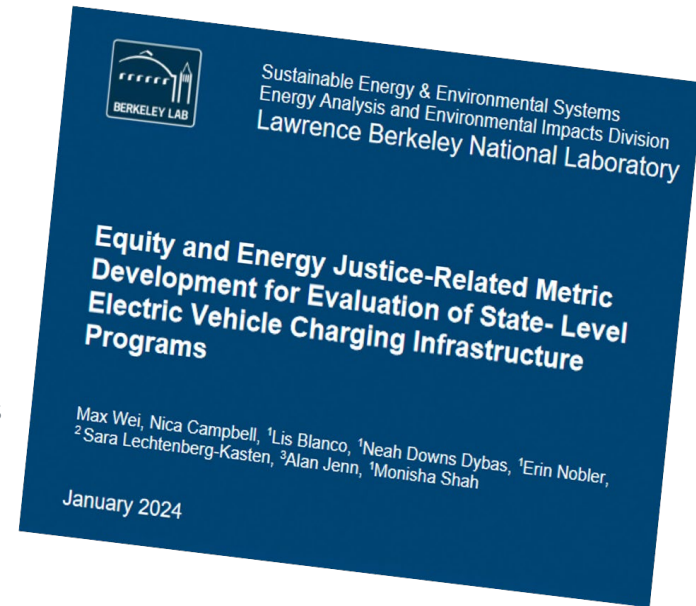
- Inform metrics and measurement considerations for equitable deployment of EV charging infrastructure.

Outcome:

- White paper of potential equity metrics and examples relevant to each Justice40 policy priority category (economic opportunity, environmental benefits, accessibility, energy democracy)
 - Includes methodology, data, tools, and implementation.

Key insights:

- Investment in EVSE and adoption of EVs are intertwined and interrelated;
 - Focusing on infrastructure without attending to need for equitable access to technologies (e.g. vehicles, e-bikes) is limiting
- Common challenges include data availability, attribution of impact,
- Focusing on beneficial distributive justice impacts may lead to a misunderstanding of the net benefits or disbenefits to a community
- Meaningful community engagement is critical
- For non-vehicle owning households, electric transit, micromobility, and ride-hailing can make the electrification transition accessible



JUST Website – Resources!



energy.gov | transportation.gov

About ▾

Technical Assistance ▾

Data & Tools ▾

Publications

News & Events ▾

Contact

www.driveelectric.gov/just-lab-consortium

Joint Office United Support for Transportation Lab Consortium

The Joint Office of Energy and Transportation (Joint Office) established the Joint Office United Support for Transportation (JUST) Lab Consortium to conduct actionable research on integrating equity into federally funded EV infrastructure deployment efforts. This consortium comprises three U.S. Department of Energy (DOE) national laboratories:

- Argonne National Laboratory
- Lawrence Berkeley National Laboratory
- National Renewable Energy Laboratory.

The JUST Lab Consortium provides technical support to Joint Office staff and its constituents with a focus on an equitable and clean transportation transition. This consortium builds on national lab expertise in providing technical assistance to DOE's [Clean Cities and Communities](#). This includes state-of-the-art analysis capabilities to inform the planning and implementation of clean transportation policies and programs that maximize benefits for underserved communities.

JUST Resources

- [Case Studies: Centering Equity in Community-Based E-Mobility Projects](#)
- [Community Engagement Tips for EV Infrastructure Deployment](#)
- [Electric Vehicle Program Designs and Strategies to Enhance Equitable Deployment](#)
- [Equity and Energy Justice-Related Metric Development for Evaluation of State-Level Electric Vehicle Charging Infrastructure Programs](#)
- [Embedding Equity: EV Station Design](#)
- [Embedding Equity: EV Readiness Planning](#)
- [Webinar: Community Engagement in Transportation](#)
- [Webinar: Minority-Owned Business Outreach and Partnerships for EV Infrastructure](#)
- [Webinar: Centering Equity in Community-Based E-Mobility Projects: An Expert Panel](#)

Public EV Charging Infrastructure Playbook

- Equity isn't siloed in the Public EV Charging Infrastructure Playbook, it's woven throughout
 - Guiding questions
 - Each module's Activities section has guiding questions, including several that ensure equity is being considered in that phase.
 - Example from Planning module:
 - » Has any entity in or near your region undertaken a holistic transportation needs assessment or created a transportation master plan that identified local priorities?
 - If so, what priorities were identified and what is the plans to reflect these priorities in local policies/actions?
 - If not, what are the main transportation priorities of your community members?
 - Example from Siting module:
 - » Are there opportunities to leverage EV charging stations and associated infrastructure to support other e-mobility strategies such as multimodal hubs, e-bike-share stations, and/or e-car-share, or to support shared-use fleets or services?

Module 2 – Engagement

This module provides resources on how to effectively engage community members and stakeholders around EV infrastructure plans in your community. Input from community members and stakeholders should inform where and how EV chargers are installed. Appropriately identifying, approaching, and building relationships and creating dialogue with these partners will strengthen your plans.

[Activities](#)[Videos](#)[Additional Resources](#)

Activities

- [Download the guiding questions for community and stakeholder engagement](#) to help you develop a strategy for engaging community members and stakeholders. Ask yourself questions such as:
 - Why is engagement a priority for your upcoming EV infrastructure planning process or project?
 - How will you define and identify underserved communities?
 - How will you use the inputs from engagement activities to inform your plan or project?
- [Download an interactive engagement planning worksheet](#) to identify who might be impacted by EV charging infrastructure development and to begin planning your engagement activities.

Public EV Charging Infrastructure Playbook

- Equity isn't siloed in the Public EV Charging Infrastructure Playbook, it's woven throughout
 - Sorting function
 - The “Additional Resources” search function has an equity category coded for equity in the Community Engagement, Siting, Policies, Regulations, and Procurement modules

INTRODUCTION

PLANNING

ENGAGEMENT

SITING

FUNDING

POLICIES

REGULATIONS

PROCUREMENT

REVENUE

Module 2 – Engagement

This module provides resources on how to effectively engage community members and stakeholders around EV infrastructure plans in your community. Input from community members and stakeholders should inform where and how EV chargers are installed. Appropriately identifying, approaching, and building relationships and creating dialogue with these partners will strengthen your plans.

Activities Videos **Additional Resources**

Additional Resources

- All Categories
- Equity
- Example Plans
- Stakeholder Engagement
- Tools
- Utility Engagement

[Best Practices for Meaningful Community Engagement](#)

Source: Groundwork USA

Category: Stakeholder Engagement, Equity

Provides tips for engaging historically underrepresented populations in visioning and planning.

[Climate and Economic Justice Screening Tool \(CEJST\)](#)

Source: White House Council on Environmental Quality

Category: Equity, Tools

U.S. Department of Energy-recommended tool to identify disadvantaged communities in your region.

[EV Program Designs and Strategies to Enhance Equitable Deployment](#)

Source: JUST Lab Consortium

Category: Stakeholder Engagement, Equity

Synthesizes and categorizes information from more than five dozen sources published between 2015 and 2023—

Public EV Charging Infrastructure Playbook

- Equity isn't siloed in the Public EV Charging Infrastructure Playbook, it's woven throughout
 - Engagement module has lots of relevant content about considering community priorities
 - Guiding question example: How will you use inputs from your engagement activities to inform your plan or project?
 - Interactive engagement planning worksheet
 - Consider negative externalities and ways to communicate

AutoSave Off M2-Stakeholders-and-Engagement-Activities-Matrix(1).xlsx General (Default) Saved to this PC

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat

Clipboard Font Alignment Number Styles Cells Editing

Clipboard: Cut, Copy, Paste, Format Painter

Font: Arial, 10, Bold, Italic, Underline, Text Color, Background Color

Alignment: Wrap Text, Merge & Center

Number: General, Currency, Percentage, Decimals

Styles: Normal, Good, Bad, Neutral

Cells: Insert, Delete, Format

Editing: AutoSum, Fill, Clear, Sort & Filter

	A	B	C	D	E	F	G	H	I
1	Stakeholder Identification								
2	Stakeholders include individuals, organizations, and entities who may be affected by or have an effect on a specific project, plan, or effort. A full stakeholder engagement map should include internal stakeholders, external stakeholders like utilities, and representatives of the broader community.								
3	Instructions: Fill out the below table with information about key stakeholders to engage. Modify as needed to meet local context.								
4									
5	Stakeholder Type	Example Stakeholders	What is the goal for engagement?	Why is it important to engage with this group around EV infrastructure plans and projects?	How could the stakeholder benefit from EV charging infrastructure?	What negative externalities could the stakeholder face as a result of EV charging infrastructure?	How can we best communicate with the stakeholder and make engagement activities accessible to them?	Do we have contact info or will we need to find it?	Has our organization engaged with this stakeholder before? If so, what did we learn?
6	<i>Example: Big box retailers</i>	<i>Walmart, Giant</i>	<i>Gauge interest in being a site host</i>	<i>Retailers are commonly frequented locations, popular places to install chargers</i>	<i>Increased foot traffic and sales</i>	<i>Costs related to electricity and operations and maintenance</i>	<i>Surveys and in-person meetings</i>	<i>Need contact info</i>	
7	<i>Example: Anchor institutions/employers</i>	<i>University of Mississippi, Baptist Memorial Hospital-North Mississippi</i>	<i>Gauge interest in being a site host; develop workplace charging program</i>						
8	<i>Example: Small business owners with parking</i>		<i>Gauge interest in being a site host</i>						
9	<i>Example: Utility account representative</i>		<i>Understand interconnection processes; identify areas that can support EV chargers and areas where distribution grid upgrades may be needed to support EV chargers</i>						

Activities

Videos

Additional Resources

Videos

Watch videos that feature transportation needs assessments, equity, and how to engage with utilities.

The video titles are:

- Community Transportation Needs Assessment
- Western Riverside County Transportation Needs Assessment
- Engaging with Your Utility on EVSE Deployment



Community Transportation Needs Assessment



Western Riverside County Transportation Needs Assessment

Thank you!

driveelectric.gov/just-lab-consortium/

Thank you!

Today's Presentation:

Explore the Public EV Charging Playbook

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