

Residential Curbside Charging

MWCOG Regional Electric Vehicle Deployment Workgroup

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Rockville Plans



Climate Action Plan (CAP)



**Electric Vehicle
Readiness Plan (EVRP)**

Explore plan dashboards at Results Rockville
<https://www.rockvillemd.gov/services/results-rockville/>

EV Readiness Goals



Goal 1: EV Ready Codes, Policies and Procedures

Update and align codes, policies, guidelines, permitting and inspection processes to reduce barriers, streamline and expedite EV charging infrastructure development.



Goal 2: Robust and Equitable Charging Network

Expand access to EV charging to equitably serve residents, workers, visitors, and the municipal fleet.



Goal 3: Clean Municipal Fleet

Implement a multi-year fleet electrification strategy that aligns with fleet vehicle replacement schedules, duty cycles, and EV infrastructure.



Goal 4: Inclusive Public Engagement and Oversight

Conduct inclusive and equitable public engagement to support EV adoption and monitor plan implementation.

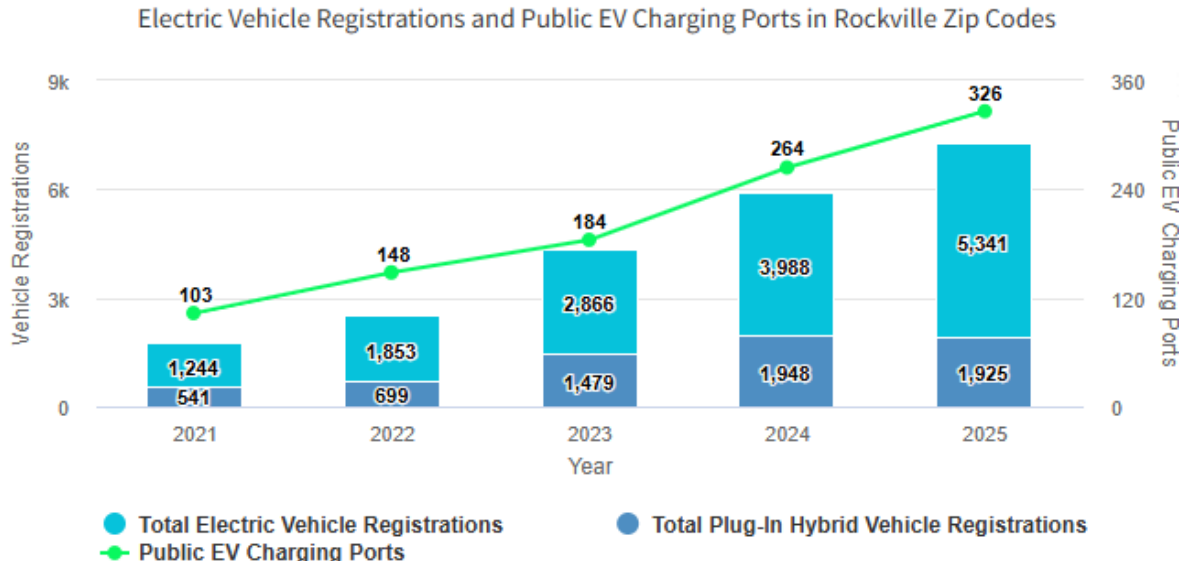


Transportation: Community



Electric Vehicle Readiness Plan (C-11)

- Adopted Rockville's first EV Readiness Plan with 26 actions and input from 432 individuals
- Electric vehicles and hybrids registered in Rockville zip codes rose to 7,266 (22% increase).
- 326 public EV charging ports (23% increase)



Potential Options for M&C Feedback



1: Vendor Installed Pedestal

Rockville/Pepco partnership for on-street charging.

Washington DC public space permit for vendors.

Residents work with neighbors and a vendor.

Provides public charging.

Converts space to EV charging; may pose a challenge in areas with limited parking



2: Resident Installed Pedestal

Montgomery County/Takoma Park have guidelines for resident installed EV charging in the ROW.

Offers residents L2 charging options

Most costly. Requires permit

Does not prevent other cars from blocking private charger

Charger could be damaged during ice/snow events.



3: Resident Installed Channel

Allow residents to hire a contractor to insert a channel/duct into the sidewalk/ pavement to create a flush conduit to hold Level 1 or 2 charging cables.

Charging asset is flush with sidewalk, cord can be removed when not in use or during ice/snow events.

Does not prevent other cars from blocking private charger. Requires permit.



4: Cord Over Sidewalk

Washington DC/Vancouver have guidelines for Level 1 cords across sidewalks.

Least costly option for a resident; allows flexibility in EV parking space locations.

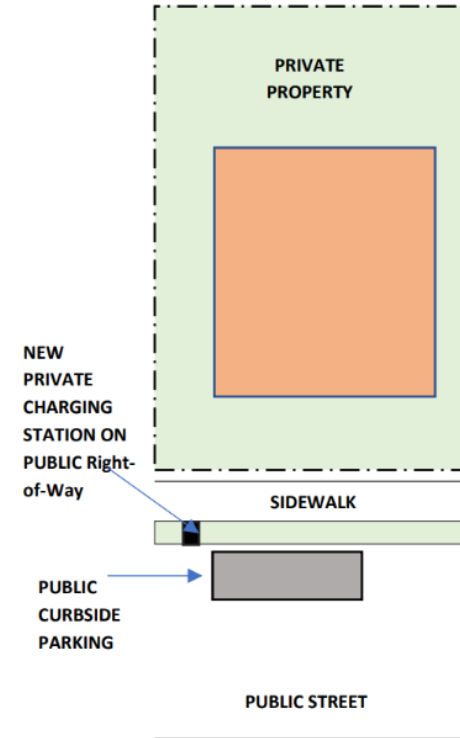
Potential safety and sidewalk safety/accessibility concerns.

Level 1 charging not usually suitable as only charging source.

Permitting Process*

1. Public Works Permit (PWK)
2. Electrical Permit
3. If a pedestal or footer: Building Permit may be required.
4. Site drawing
5. Notarize and sign “Declaration of Covenants and Maintenance Agreement” document
6. Record Agreement in the Montgomery County Land Records.
7. Bond (\$250 for sidewalk channel; \$2,500 for pedestal charger)
8. Pay permit application fees (homeowner exempt) and recordation fees.
9. Pre-construction meeting
10. Inspection

*Use MGO online permitting system



Reviewing Process



Departments/Divisions involved:

- Public Works (Engineering)
- City Forester
- Community Planning and Development Services (Building, Electrical)

Reviews:

- Ensure no conflicts with utilities, other elements in the right of way, existing parking restrictions, etc.
- Ensure not impacting street trees
- Review construction plan with Owner and contractor
- I.e. Close sidewalk during construction







Next Steps

- Post Standards and Guidance online
- Communicate to public
- Fall Open House
- Create separate permit type
- Happy charging for Clark and his dog!





2025 EVRP Status

FY 2026 Budget Performance Measure: **15%** of Actions to be Implemented

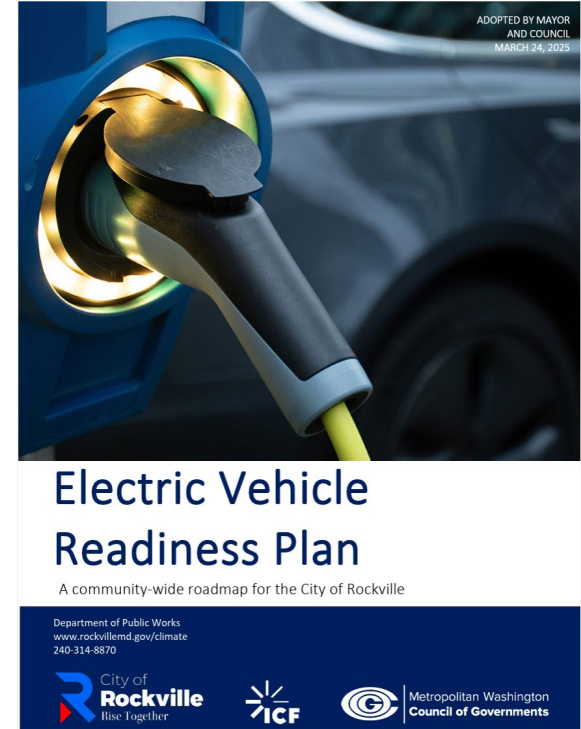
CY 2025 Status: **12%** of Actions were Completed
23% of Actions were Institutionalized





2025 EVRP Progress

- ✓ Updated the Building Code and Property Maintenance Regulations (Chapter 5) (EVRP 1.1.1)
- ✓ Updated the Forest and Tree Preservation Ordinance (Chapter 10.5) (EVRP 1.1.2)
- ✓ Approved Curbside Charging Agreement Template and developing guidelines (EVRP 1.2.2)
- ✓ Coordinating with Montgomery County/leverage outside funding to expand public chargers (EVRP 2.1.3, 2.1.5)
- ✓ Coordinated with Pepco to expand charging (EVRP 2.1.4)
- ✓ Transitioned city landscaping equipment (electric leaf blowers, batteries, charging stations and an electric charging landscape trailer) (EVRP 3.1.4)
- ✓ Leveraging outside funding for fleet (Pepco rebates, MEA grants for electric Senior buses and charging stations (EVRP 3.2.2)
- ✓ Launched EV Readiness Plan online dashboard (EVRP 4.2.1)



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... and all the EV Readiness Plan partners, below:



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Environment
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