

Climate Action Plan & Electric Vehicle Readiness Plan

2025 Annual Report

Rockville Mayor and Council

April 27, 2026



Outline

1. Overview
2. 2025 CAP Status Summary
3. CAP Community Highlights
4. 2025 EVRP Status
5. CAP and EVRP Municipal Projects
6. Next Steps



Climate Action Plan (CAP)



**Electric Vehicle
Readiness Plan (EVRP)**

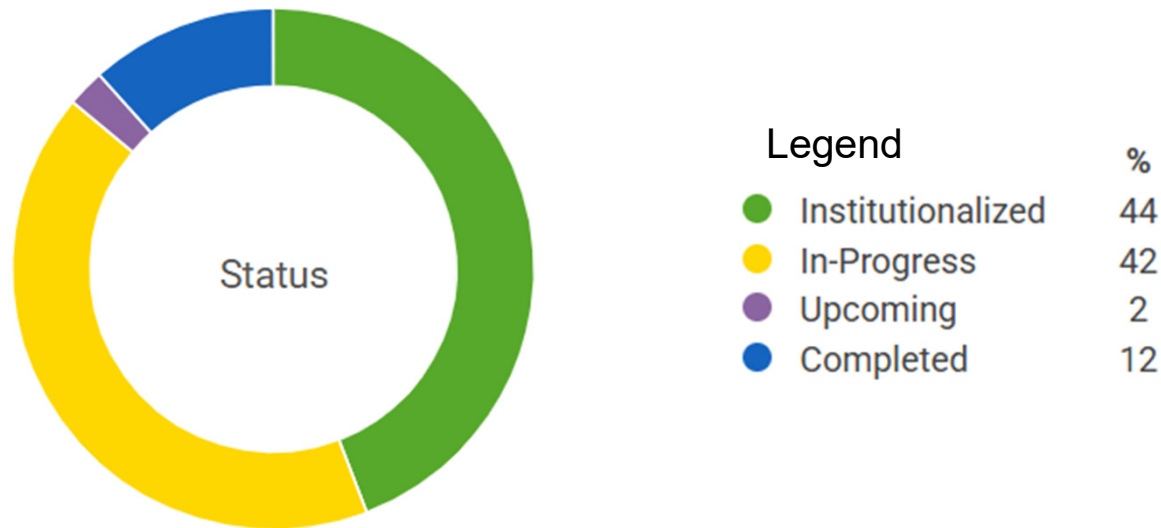
Explore plan dashboards at Results Rockville
<https://www.rockvillemd.gov/services/results-rockville/>



Climate Action Plan – 2025 Status

FY 2026 Budget Performance Measure: **45%** of Actions to be Completed or Institutionalized

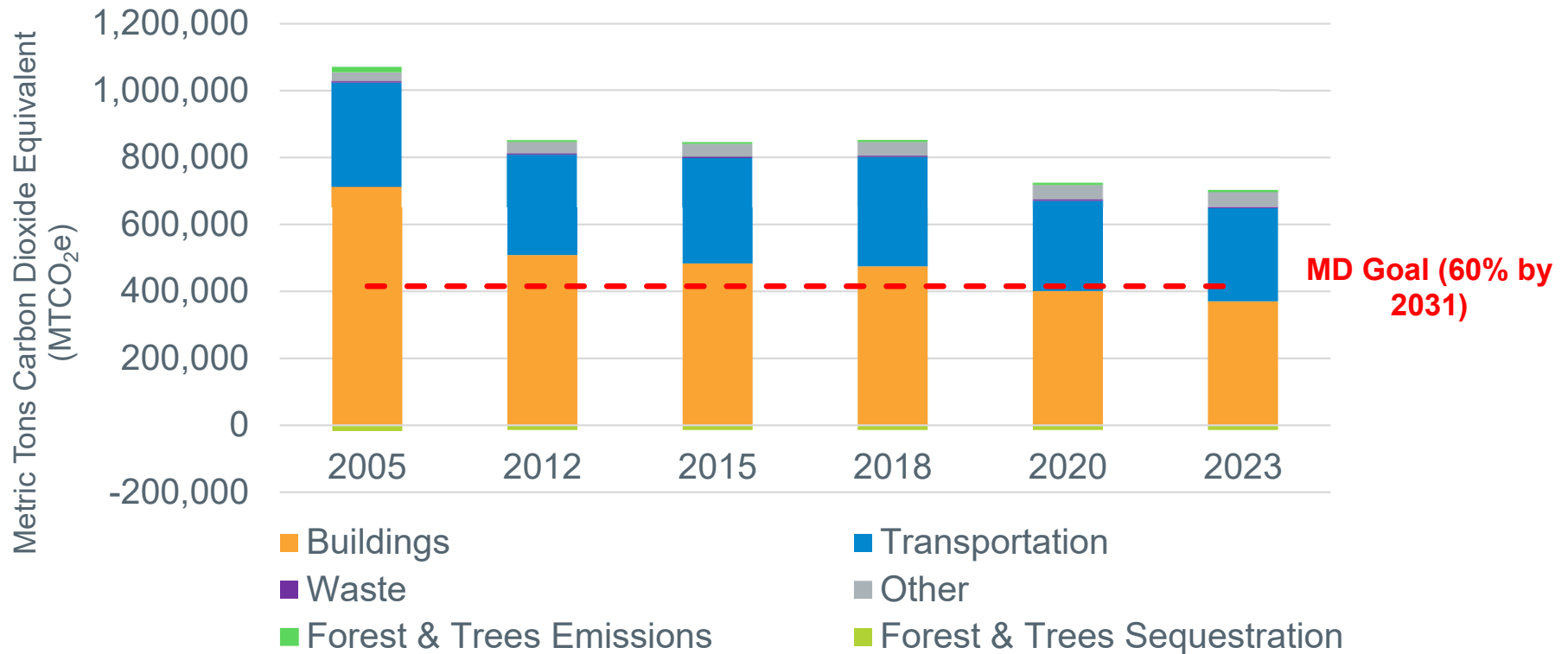
December 31, 2025 Status: **56%** of Actions were Completed or Institutionalized





Community Greenhouse Gas Inventory

Rockville emissions decreased 34% from 2005 – 2023
(MWCOG region emissions decreased 20%)



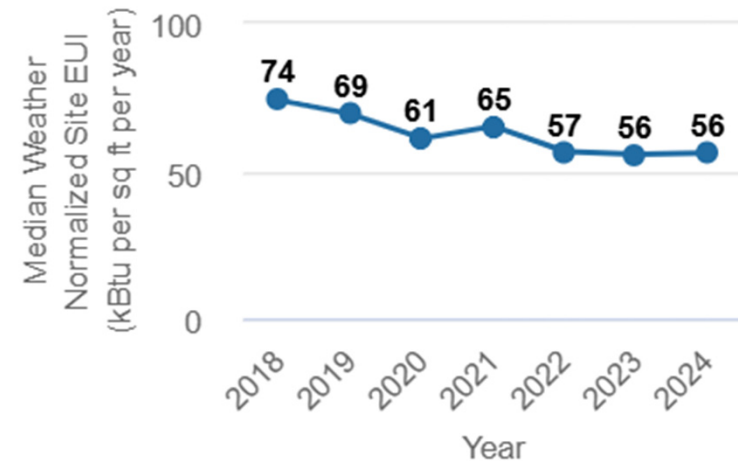


Energy Efficiency: Community

Montgomery County Building Energy Performance Standards (BEPS) (C-01)

- Final BEPS regulations adopted February 2025
- 245 buildings reported energy use in Rockville
- Median Site Energy Use Intensity (energy use per square foot) down 25% since 2018
- Montgomery County Green Bank provided 4 commercial solar or resiliency loans and 70 subsidies to assist with BEPS compliance

Rockville Benchmarked Buildings - Median Site Energy Use Intensity*



*Energy Use Intensity (EUI) refers to the amount of energy used per square foot annually.

Montgomery County reports 2024 data in 2025 (1-year reporting lag)



Energy Efficiency: Community

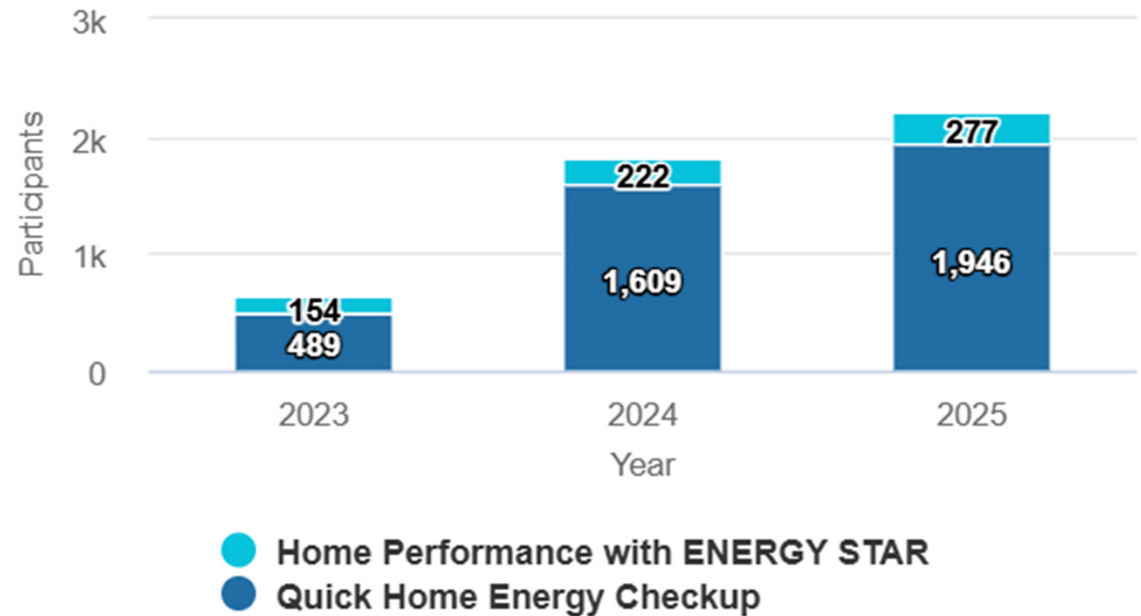


Home Energy Improvements (C-05)

- 2,223 homes participated in Pepco's home energy programs (21% increase)
- Residents received \$675,929 in incentives for 19,775 energy measures



Pepco Home Energy Efficiency Participation





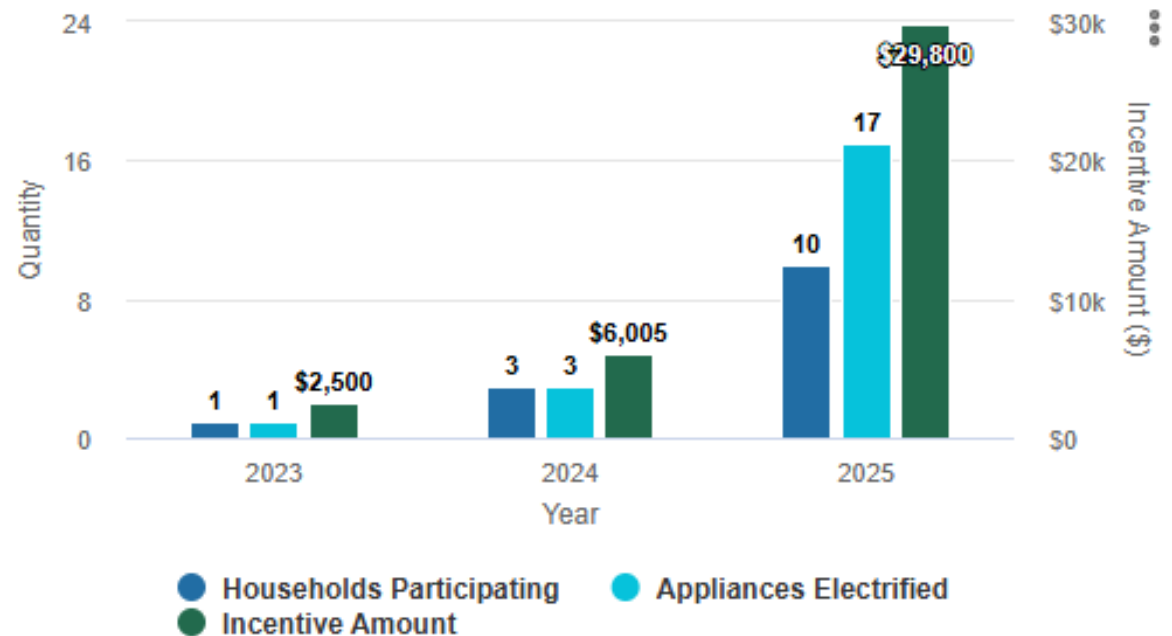
Energy Efficiency: Community



Home Electrification (C-06)

- Promoted “Electrify MC” Montgomery County home electrification program
- 10 Rockville homes electrified 17 appliances, receiving \$29,800 incentives

Electrify MC Program Participation in Rockville



MEET THE ELECTRIFY MC TEAM

 Jim Conlon Founder, President Jim will be helping to answer questions about electrification. Before Jim jumped into the deep end of sustainability, many people are surprised to learn he performed stand up comedy.	 Megan Murray Program Manager Megan will be answering your calls and questions, and scheduling your appointments. Megan loves being in the woods and checking out new trails and cabins. She dreams of one day convincing her coworkers to adopt a goal for the office.	 Sunita Pathik Contracting Director Sunita will be answering your calls and questions, and scheduling your appointments. Sunita has a goal of visiting all of the National Parks in the country, and likes to play fiddle with her family.
 Thomas Richards Energy Auditor Thomas will be performing energy audits at your home. Thomas liked Mount Doom from Lord of the Rings when he visited New Zealand.	 Julio Jovel Crew Chief Julio will be supervising the work at your home. Julio enjoys riding his motorcycle and playing with his son and dog, though not at the same time.	 Ralph VanVeen Electrician Ralph will be performing the electrical work in your home. Ralph is a former state champion in Madeford for golf and holds a regional record in distance.
 Joe Cabrera HVAC Technician Joe will be installing your new heat pumps and water heaters. Joe enjoys playing sports like basketball, baseball, riding his road bike, and now he enjoys his freedom even more.	 Elliot Firestone Program Manager Elliot will be performing energy audits as well as electrification and HVAC assessments at your home. Elliot enjoys music, the outdoors, and reading about history.	 Martin Hood HVAC Specialist Martin will help guide you through your HVAC replacements. Martin's quest is to understand how everything works, and he's fascinated when it's 72 degrees and 50% relative humidity.

Have questions about what to do to electrify your home? Contact Electrify MC at 301-830-5767 or email the team at electrifymc@belvianenergy.com

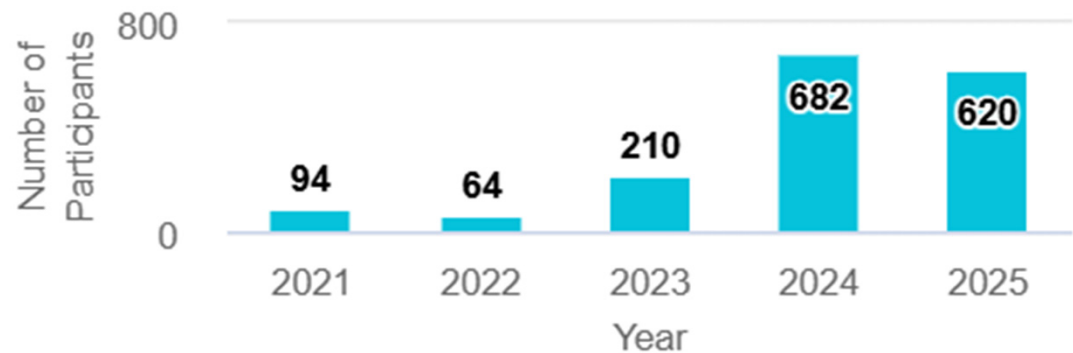


Renewable Energy: Community

Promote Solar Installations (C-09)

- Solar Switch Together (Solar Co-op) recruited 620 Rockville participants
- Cumulative 1,312 city solar permits
- Launched SolarApp+ permit streamlining application
- Solar Green Fee Waiver, April 2025

Solar Switch/Co-op Participants in Rockville



● Solar Switch Registrations





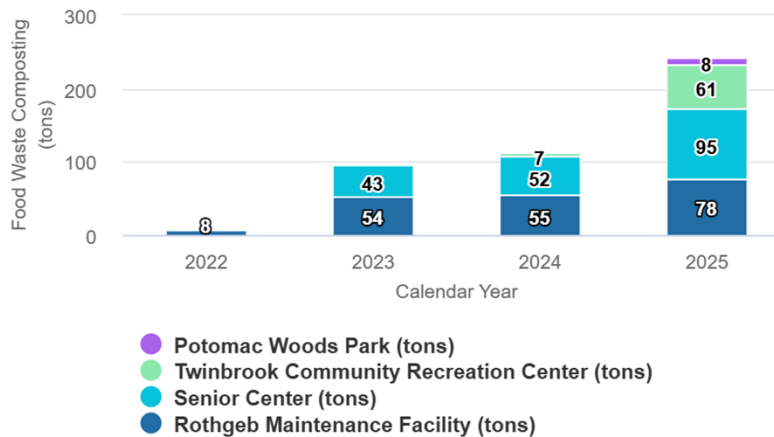
Materials and Waste



Residential Food Waste Composting (C-18)

- Opened fourth compost drop-off station at Potomac Woods Park November 2025
- Collected 242 tons of food waste for composting (112% increase)

Food Waste Composting (tons)



Recycling and Waste Reduction (C-19)

- Percent of waste recycled/diverted from landfill remained at 43%
- Adopted provisions of Montgomery County's Bring Your Bag Law to reduce plastic waste and distributed 500 free reusable bags at community centers





Land Management



Green Space Management Plan (M-09)

Scope: Assess the health and biodiversity of more than 1,058 acres of city-owned parkland and green spaces (parks, urban forests, stormwater management areas, stream buffers, etc.).

Purpose: Integrate environmental analysis and community input to prioritize management strategies for non-native invasive species (NNI), climate change threats, urban forestry and habitat restoration.

Anticipated Timetable

- FY 2026: Appropriate funds for consulting services (Q1). Contract award anticipated (Q4).
- FY 2027: Launch community engagement (Q2/Q3). Begin field assessments (Q4).
- FY 2028: Draft Plan for public comment (Q3). Adopt Final Plan (Q4).



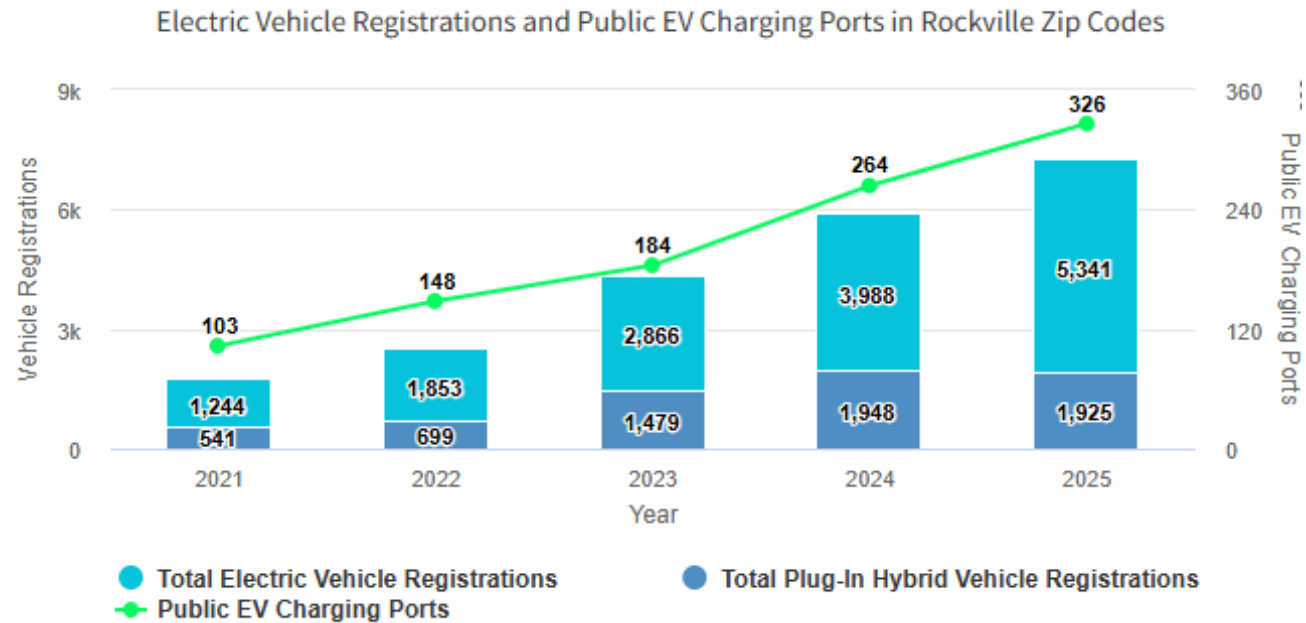


Transportation: Community



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)



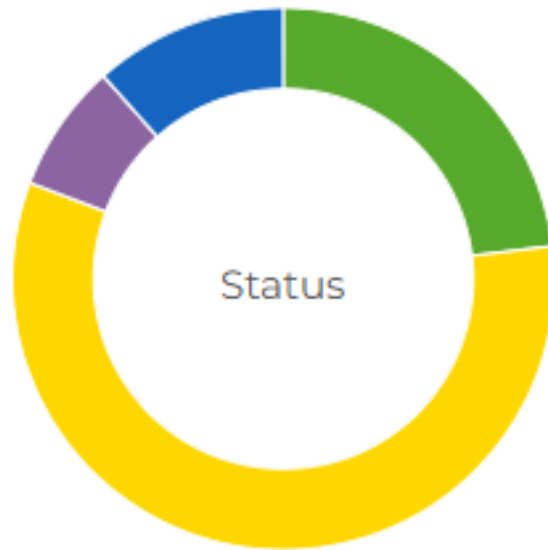


2025 EVRP Status



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

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



Status	%
Institutionalized	23
In-Progress	58
Upcoming	8
Completed	12



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)



ADOPTED BY MAYOR
AND COUNCIL
MARCH 24, 2025

Electric Vehicle Readiness Plan

A community-wide roadmap for the City of Rockville

Department of Public Works
www.rockvillemd.gov/climate
240-314-8870





CAP and EVRP Municipal Projects



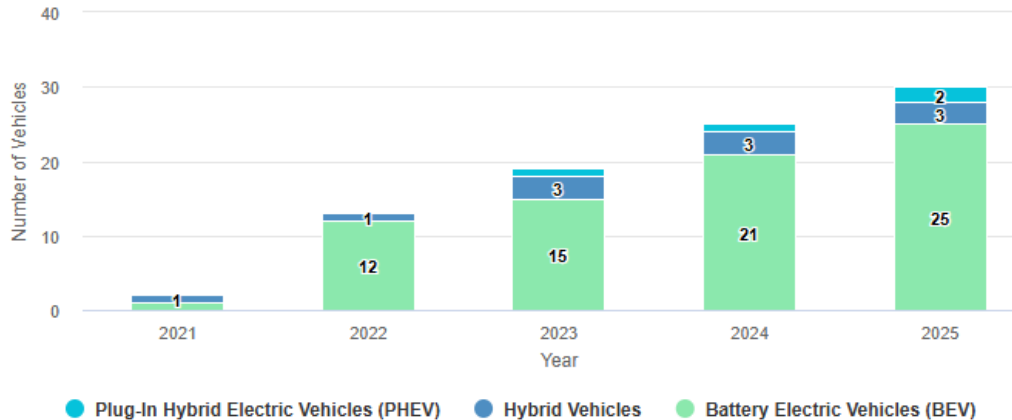
Transportation: Municipal



City Fleet (M-06) (EVRP 3.1.1)

- 25 battery electric, 2 plug-in hybrid, and 3 hybrid vehicles
- Awarded \$160,000 MEA grant for 2 Senior Center EV Transit Buses

Rockville Fleet - Alternative Fueled Vehicles



EV Charging Infrastructure CIP (M-07) (EVRP 3.2.1)

- **Fleet Charging:** Installed 6 ports for City Hall, 1 port for Police; designing 4 ports for Recreation Services; planning 5 ports for 6 Taft Court and 2 Direct Current Fast Charging (DCFC) ports for Rothgeb
- **Public Charging Ports:** Partnering with Montgomery County to plan 28 ports at 7 sites





Energy Efficiency: Municipal



Facility Energy Efficiency (M-01)

Converted 1,022 lights to LED:

- F. Scott Fitzgerald Theater
- Thomas Farm Community Center
- Croydon Creek Nature Center
- Rothgeb
- Police Station (2026)

Total Cost: \$196,954

- \$41,365 from MEA grants
- \$146,900 from Pepco rebates
- City share: \$8,698





Energy Efficiency: Municipal



LED Streetlight Conversion (M-02/CIP TA22)

Phase 1

- 1,900 lights - completed 2024

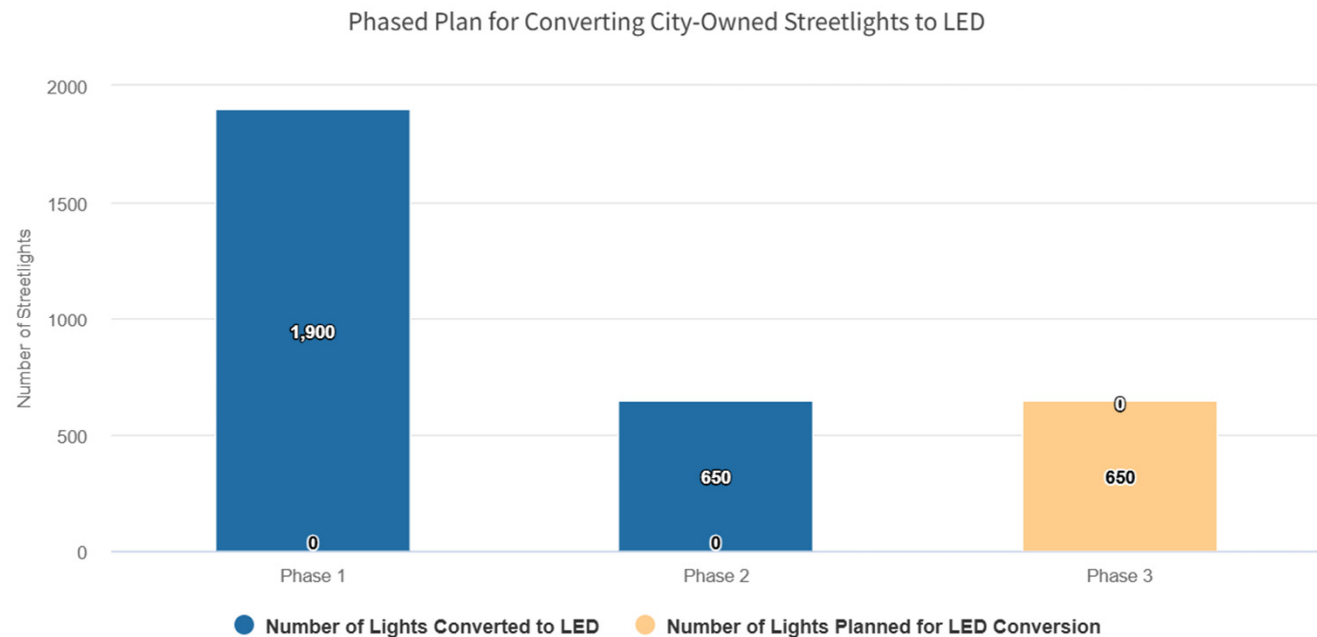
Phase 2

- 650 lights - completed 2025

Phase 3

- 650 lights - planned in 2026

Leveraged \$1,022,875 from MEA grants and Pepco rebates





Energy Efficiency: Municipal



NEW FY 2027 CIP: Building Energy Performance Improvements (BEPI) (M-01)

- Developed the Building Energy CIP in alignment with FY26 & FY27 MEA grants, and Montgomery County Building Energy Performance Standards (BEPS)
- The BEPI CIP plans, designs, and delivers building energy modernization at City facilities to improve energy efficiency and expand the City's on-site renewable energy generation
- **\$454,000** of MEA grants awarded
- Notable Target Projects:
 - Solar PV Rooftop and Carports across 7 facilities
 - Energy submetering at City Hall and Swim & Fitness
 - Swim & Fitness Indoor Pools Hybrid Heat Pump Design





Renewable Energy: Municipal



City Facilities (M-09)

- **Lincoln Park Community Center Rooftop Solar:** Funded by US Department of Energy grant. Contract awarded March 2026 and in design.
- **Multi-Facility Solar Rooftop and Carport Solar RFP:** Seeking proposals for Power Purchase Agreement or City purchase in 2026 for seven sites:
 - 6 Taft Ct
 - City Hall
 - Rothgeb Maintenance
 - Recreation Services
 - Swim & Fitness
 - F. Scott Fitzgerald Theatre
 - Senior Center





Next Steps

FY 2027 Budget Appropriation*

- Ongoing operating funding for programs
- New Building Energy Performance Improvement CIP

Project Implementation

- Solar Rooftop – Lincoln Park Community Center
- Multi-Facility Solar Contract Award*
- EV Charging Station Installations
- Senior Center Electric Shuttle Buses & Fast Charging Stations Award*
- LED Streetlight Conversion Award*
- Building Energy Performance Improvement CIP Projects

Plan Development*

- Flood Resiliency Master Plan
- Green Space Management Plan

Policies and Code Amendments*

- Chapter 10, Floodplain Ordinance
- Chapter 19, Sediment Control & Stormwater Management
- Chapter 21, Streets, Roads, Rights-of-Way, and Public Improvements
- Chapter 23, Traffic
- Chapter 25, Zoning Ordinance

**Denotes items that require future Mayor and Council adoption or award*



Acknowledgements

Thank you to the many partners in these advancements including Rockville Mayor and Council, Rockville Environment Commission, government partners, City departments, Boards and Commissions and residents and businesses in Rockville for your continuing CAP support and dedication.



Rockville
Environment
Commission

