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# Carbon Reduction Program (CRP) Applications

Baltimore Regional Transportation Board

July 23, 2024



# About the Carbon Reduction Program

The Infrastructure Investment and Jobs Act of 2021, also known as the Bipartisan Infrastructure Law, established the Carbon Reduction Program. Administered by FHWA, the program provides \$6.4 billion in formula funding over five years for states to **develop carbon reduction strategies** and for **projects to reduce transportation carbon dioxide emissions**, including traffic management, public transportation, pedestrian facilities, alternative fuels, and port electrification. The Carbon Reduction Program is a formula program, meaning that federal funding is apportioned among the states and states have broad discretion over how they spend the funds.

# CRP Applications



- **Funds Available: Baltimore region**
  - \$13,480,370 available between FY 2022 – FY 2024
- **Funds Available: Aberdeen/Bel Air**
  - \$1,307,736 between FY 2022 – FY 2024
- **Funds Available: Westminster**
  - \$299,895 between FY 2022 – FY 2024
- **We received 26 applications throughout the region**
  - More information about each of the projects is included in the Resolution

# Anne Arundel County – Video Detection Upgrade



## 1. Total Cost

- \$302,400
- CRP request: \$252,000

## 2. Summary

- The project will upgrade existing video detection equipment for traffic management to improve and support implementation of adaptive control technologies on major County Road corridors.



# Baltimore City - Electric Vehicle Transition

## 1. Total Cost

- \$6,792,006
- CRP Request: \$4,015,006

## 2. Summary

- The project will enable the purchase of electric vehicles and electric vehicle charging infrastructure to support the transition of City Fleet vehicles from internal combustion engines to electric.

# MD Port Administration - Light Duty Vehicles: Electric Vehicle Purchase

## 1. Total Cost

- \$590,400
- CRP Request: \$472,320

## 2. Summary

- The Maryland Port Administration (MPA) will replace eleven gasoline-fueled fleet vehicles with eleven zero emission electric vehicles. The vehicles proposed for replacement are primarily used as fleet vehicles on and around MPA-owned terminals and properties in the Baltimore area.

# Anne Arundel County – Mercury Vapor to LED Streetlight Conversion

## 1. Total Cost

- \$1,326,000
- CRP Request: \$1,060,800

## 2. Summary

- The project supports conversion of County-owned streetlights to energy-efficient LED streetlights in to help reduce the County's carbon footprint and operating costs.

# Howard County - Public Charging at Howard County Parks

## 1. Total Cost

- \$940,460
- CRP Request: \$752,368

## 2. Summary

- Howard County will expand publicly accessible electric vehicle charging infrastructure at permanent sites on County-owned properties throughout the County to accelerate the adoption of electric vehicles.

# Howard County - Broken Land Parkway and MD 32 Park-and-Ride Access Project

## 1. Total Cost

- \$1,704,000
- CRP Request: \$910,000

## 2. Summary

- The project will design and construct a shared-use path on the west side of Broken Land Parkway, extending from Patuxent Woods Drive to the park and ride lot. The path will serve as a crucial last-mile connection to the regional commuter bus network and carpool opportunities and will integrate with the local trail system.

# Anne Arundel County - MD 2 Sidewalks from MD 710 to Walton Avenue

## 1. Total Cost

- \$1,450,000
- CRP Request: \$341,194

## 2. Summary

- The project includes design for reconstructing non-compliant sidewalks and installing new ADA-compliant sidewalks along both sides of MD 2 for the entire project limits. This project will also include intersection reconstruction, as needed, to facilitate pedestrian crossings.

# Anne Arundel County – MD 450 from College Creek Bridge to USNA Bridge

## 1. Total Cost

- \$1,300,000
- CRP Request: \$309,540

## 2. Summary

- The project includes design of bicycle and pedestrian facilities along MD 450/King George Street and MD 435 to Taylor Avenue. The proposed improvements include constructing new sidewalk or shared-use path, reconstructing existing sidewalk to meet ADA standards, upgrading signs and pavement markings, pedestrian signal upgrades, installing drainage and stormwater management facilities, and landscaping.

# MD Transit Administration – (Hydrogen) Fuel Cell Electric Bus Procurement

## 1. Total Cost

- \$7,700,000
- CRP Request: \$6,160,000
- Recommended award: \$5,367,142

## 2. Summary

- The project includes the procurement of four hydrogen fuel cell buses (FCEBs) and supports state goals to transition to a zero-emission bus fleet. This project will be the MTA's first deployment of FCEB technology.

# Flexed to TA

- **Bloomsbury Crossing**

Total Cost: \$724,132, Request: \$579,305

- **Baltimore Greenways Trails Network – Druid Hill Park to Lake Montebello**

Total Cost: \$2,500,000, Request: \$2,000,000

- **Jones Falls Gateway**

Total Cost: \$621,500, Request: \$497,200

# For more information

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**Anna Marshall** | Environmental Planner

410-732-0500 x1050 | [amarshall@baltometro.org](mailto:amarshall@baltometro.org) | [www.baltometro.org](http://www.baltometro.org)



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