

BALTIMORE METROPOLITAN PLANNING ORGANIZATION

BALTIMORE REGIONAL TRANSPORTATION BOARD

RESOLUTION #25-6

**ENDORSE APPLICATIONS FOR FEDERAL ASSISTANCE THROUGH
THE CARBON REDUCTION PROGRAM**

WHEREAS, the Baltimore Regional Transportation Board (BRTB) is the designated Metropolitan Planning Organization for the Baltimore region, encompassing the Baltimore Urban Area, and includes official representatives of the cities of Annapolis and Baltimore, the counties of Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne's, as well as representatives of the Maryland Department of Transportation, the Maryland Department of the Environment, the Maryland Department of Planning, the Maryland Transit Administration, and Central Maryland RTA as a representative of public transportation; and

WHEREAS, the Infrastructure Investment and Jobs Act establishes a Carbon Reduction Program (CRP) within the Federal Highway Administration (FHWA) to provide funds for projects designed to reduce transportation emissions, defined as carbon dioxide (CO₂) from on-road highway sources; and

WHEREAS, a portion of CRP funding is sub-allocated to Urban areas in proportion to their relative shares of the State's population and requires coordination with any Metropolitan Planning Organization that represents the Urban area prior to obligating CRP funds; and

WHEREAS, the Baltimore Regional Transportation Board as the Metropolitan Planning Organization for the Baltimore region has approved criteria for selecting projects as follows: 1) timeline for obligation, 2) greenhouse gas reduction potential, 3) environmental justice, and 4), alignment with state and regional priorities.

WHEREAS, projects will be consistent with the federally eligible activities identified for CRP funds which includes: 1) traffic monitoring, management and control facilities or programs; 2) certain public transportation projects; 3) transportation alternatives projects; 4) advanced transportation and congestion management technologies; 5) deployment of infrastructure-based intelligent transportation systems; 6) energy-efficient street lighting and traffic control device replacement; 7) projects reducing demand for roads; 8) projects to support deployment of alternative fuel vehicles; 9) diesel engine retrofits; 10) certain projects to improve traffic flow eligible under the Congestion Mitigation & Air Quality (CMAQ) Program that do not involve construction of new capacity; 11) projects that reduce transportation emissions at port facilities; and 12) other projects that can demonstrate reductions in transportation emissions over the project's lifecycle such as use of sustainable pavements and construction materials, climate uses of highway right-of-way, and projects that promote mode shift.

WHEREAS, twenty-six applications for funding from the Carbon Reduction Program for the Baltimore, Bel-Air Aberdeen, and Westminster regions were reviewed utilizing established criteria.

NOW, THEREFORE BE IT RESOLVED that the Baltimore Regional Transportation Board as the Metropolitan Planning Organization for the Baltimore region has approved the following applications (Attachment 1) for funding with the money allocated directly to the Baltimore region.

I HEREBY CERTIFY that the Baltimore Regional Transportation Board, as the Metropolitan Planning Organization for the Baltimore region, approved the aforementioned resolution at its July 23, 2024 meeting.

Date

Anthony Russell, Chair
Baltimore Regional Transportation Board

Applications to the 2024 Carbon Reduction Program

Baltimore Region Urban Area	
<i>Project name/limits:</i>	Anne Arundel County – Video Detection Upgrade
<i>Project sponsor:</i>	Anne Arundel County
<i>CRP request:</i>	\$252,000
<i>Total cost:</i>	\$302,400
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Baltimore City Electric Vehicle Transition
<i>Project sponsor:</i>	Baltimore City
<i>CRP request:</i>	\$4,015,006
<i>Total cost:</i>	\$6,792,006
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Public Charging at Howard County Parks
<i>Project sponsor:</i>	Howard County
<i>CRP request:</i>	\$752,368
<i>Total cost:</i>	\$940,460
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Broken Land Parkway – MD 32 Park and Ride Access Project
<i>Project sponsor:</i>	Howard County
<i>CRP request:</i>	\$910,000
<i>Total cost:</i>	\$1,704,000
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Light Duty Vehicles – MPA Electric Vehicle Purchase
<i>Project sponsor:</i>	Maryland Port Administration
<i>CRP request:</i>	\$472,320
<i>Total cost:</i>	\$590,400
<i>Project description:</i>	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.
<i>Suggested award:</i>	

<i>Project name/limits:</i>	Mercury Vapor to LED Streetlight Conversion
<i>Project sponsor:</i>	Anne Arundel County
<i>CRP request:</i>	\$1,060,800
<i>Total cost:</i>	\$1,326,000
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	FCEB Procurement
<i>Project sponsor:</i>	Maryland Transit Administration
<i>CRP request:</i>	\$6,160,000
<i>Total cost:</i>	\$7,700,000
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	MD 2 Sidewalks from MD 710 (E Ordnance Road) to Walton Avenue
<i>Project sponsor:</i>	State Highway Administration
<i>CRP request:</i>	\$341,194
<i>Total cost:</i>	\$341,194
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	MD 450 (Baltimore – Annapolis Blvd/King George Street) from College Creek Bridge to USNA Bridge
<i>Project sponsor:</i>	State Highway Administration
<i>CRP request:</i>	\$309,540
<i>Total cost:</i>	\$309,540
<i>Project description:</i>	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.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Bloomsbury Crossing
<i>Project sponsor:</i>	Baltimore County
<i>CRP request:</i>	\$724,132
<i>Total cost:</i>	\$724,132
<i>Project description:</i>	The project will fund the construction of an at-grade crossing of Bloomsbury Avenue for the Short Line Trail, a pedestrian/bicycle trail in the former right-of-way of the Short Line Railroad in Catonsville.
<i>Suggested award:</i>	

<i>Project name/limits:</i>	Jumpers Hole Road Improvements
<i>Project sponsor:</i>	Anne Arundel County
<i>CRP request:</i>	\$10,000,000
<i>Total cost:</i>	\$10,000,000
<i>Project description:</i>	The project will design, acquire right-of-way, and construct a shared use path and sidewalks for Jumpers Hole Road between Benfield Road and Kinder Road, as well as address vehicular safety issues.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Odenton TOD Phase I MARC Garage
<i>Project sponsor:</i>	Anne Arundel County
<i>CRP request:</i>	\$49,000,000
<i>Total cost:</i>	\$49,000,000
<i>Project description:</i>	The project will create a comprehensive and integrated transportation hub that supports transit-oriented development and encourages modal shift at the Odenton MARC Station. The project includes the construction of a structured parking garage, installation of electric vehicle charging stations, improvements to kiss-and-ride facilities, bicycle parking, and enhancements to bicycle and pedestrian access to the garage.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Owings Mills Bus Circulator
<i>Project sponsor:</i>	Baltimore County
<i>CRP request:</i>	\$5,601,891.69
<i>Total cost:</i>	\$5,601,891.69
<i>Project description:</i>	The project will enable Baltimore County to add an additional bus service area, and includes purchasing vehicles, establishing stops, hiring drivers, and operational planning for the routes.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Parole Transportation Center
<i>Project sponsor:</i>	Anne Arundel County
<i>CRP request:</i>	\$12,900,000
<i>Total cost:</i>	\$12,900,000
<i>Project description:</i>	The project will construct a hub for commuter and local bus providers, and include bus berth bays, vehicles, pedestrians, bicycles and ride sharing drop-off and a ticketing building with interior waiting spaces, offices, lavatories, storage, and mechanical spaces.
<i>Suggested award:</i>	

<i>Project name/limits:</i>	RTA Bus Fleet Expansion
<i>Project sponsor:</i>	Howard County
<i>CRP request:</i>	\$960,000
<i>Total cost:</i>	\$1,200,000
<i>Project description:</i>	The project will purchase two new buses to expand the existing RTA Route 409 from its current terminus at the Elkridge Corners Shopping Center in Howard County to Lansdowne Station in Baltimore County.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	US 29 Bus Stations for Extending Flash Service between Columbia and Burtonsville
<i>Project sponsor:</i>	Howard County
<i>CRP request:</i>	\$1,500,000
<i>Total cost:</i>	\$8,800,000
<i>Project description:</i>	Howard County will construct six Flash bus stations to support the extension of Montgomery County's Flash Bus Rapid Transit along Rt. 29 from Burtonsville to Downtown Columbia.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	West County and Annapolis/Parole Microtransit
<i>Project sponsor:</i>	Anne Arundel County
<i>CRP request:</i>	\$3,100,000
<i>Total cost:</i>	\$3,100,000
<i>Project description:</i>	The project will include the purchase of electric bus vehicles and operating costs for two microtransit services in Anne Arundel County.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	MPA High Mast Lighting LED Upgrades
<i>Project sponsor:</i>	Maryland Port Administration
<i>CRP request:</i>	\$1,300,000
<i>Total cost:</i>	\$1,300,000
<i>Project description:</i>	The Maryland Port Administration will replace existing outdated and inefficient high mast lighting fixtures at a public marine terminal with energy-efficient LED units.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Baltimore Greenway Trails Network – Druid Hill Park to Lake Montebello
<i>Project sponsor:</i>	Baltimore City
<i>CRP request:</i>	\$2,000,000
<i>Total cost:</i>	\$2,500,000
<i>Project description:</i>	The project will complete the design and National Environmental Policy Act (NEPA) process for the Baltimore Greenway Trails Network that will connect Druid Hill Park to Lake Montebello in Baltimore City.
<i>Suggested award:</i>	

<i>Project name/limits:</i>	Jones Fall Gateway
<i>Project sponsor:</i>	Baltimore City
<i>CRP request:</i>	\$497,290
<i>Total cost:</i>	\$621,500
<i>Project description:</i>	The project will complete the design and National Environmental Policy Act (NEPA) process for the Jones Falls Gateway Project (JFGP) in Baltimore City.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	World Trade Center LED Lighting Upgrades
<i>Project sponsor:</i>	Maryland Port Administration
<i>CRP request:</i>	\$1,600,000
<i>Total cost:</i>	\$2,000,000
<i>Project description:</i>	The Maryland Port Administration will replace all compact fluorescent lighting (CFL) to LED at the World Trade Center in Baltimore City.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	eGSE Charging Infrastructure
<i>Project sponsor:</i>	Maryland Aviation Administration
<i>CRP request:</i>	\$21,675,000
<i>Total cost:</i>	\$21,675,000
<i>Project description:</i>	The Maryland Aviation Administration (MAA) will provide on-site utility infrastructure, additional electrical capacity, and purchase charging ports to serve airport operators utilizing electric ground support equipment (eGSE) at the Baltimore/Washington International Thurgood Marshall Airport.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	MPA Cruise Terminal HVAC Replacement
<i>Project sponsor:</i>	Maryland Port Administration
<i>CRP request:</i>	\$150,000
<i>Total cost:</i>	\$150,000
<i>Project description:</i>	The project will enable planning and design to replace the existing heating, ventilation and air conditioning (HVAC) system to improve efficiency and reduce energy consumption at the South Locust Point Cruise Terminal.
<i>Suggested award:</i>	
<i>Project name/limits:</i>	Martin State Airport Solar Project
<i>Project sponsor:</i>	Maryland Aviation Administration
<i>CRP request:</i>	\$1,500,000
<i>Total cost:</i>	\$1,666,666
<i>Project description:</i>	The project will install a solar photovoltaic (PV) array that will be located on undeveloped land at the entrance to the Martin State Airport.
<i>Suggested award:</i>	

Aberdeen Bel-Air Region Urban Area	
<i>Project name/limits:</i>	Bel-Air Aberdeen Area Street Light LED Conversions
<i>Project sponsor:</i>	Harford County
<i>CRP request:</i>	\$400,000
<i>Total cost:</i>	\$500,000
<i>Project description:</i>	Harford County will replace existing, older generation streetlights with energy-efficient LEDs, accelerating an already on-going multi-year project.
<i>Suggested award:</i>	

Westminster Region Urban Area	
<i>Project name/limits:</i>	Level III Charger and EVs
<i>Project sponsor:</i>	Carroll County
<i>CRP request:</i>	\$298,000
<i>Total cost:</i>	\$298,000
<i>Project description:</i>	Carroll County will design, purchase, and install one electric vehicle charger at the County Office Building, and purchase three electric vehicles to replace three gasoline-fueled fleet vehicles. The project will serve as the starting point for transitioning the County's fleet assets to zero-emission vehicles.
<i>Suggested award:</i>	

Baltimore Urban Area	
Available	\$13,480,370
Requested	\$126,781,542
Recommended	
Aberdeen Bel Air Urban Area	
Available	\$1,307,736
Requested	\$400,000
Recommended	
Westminster Urban Area	
Available	\$299,895
Requested	\$298,000
Recommended	