



# Green Purchasing & Electric Vehicle Infrastructure in Maryland

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# Agenda

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1. The What and Why of “Green” Procurement
2. Maryland’s Green Purchasing Program
3. Green Procurements - What to Expect
4. After the Contract Award
5. DGS’ EV Infrastructure Program
6. Progress and Goals
7. Future Opportunities
8. Conclude

# What is “Green Purchasing”?

Maryland defines it as:

The procurement of “...products and services that have a **lesser or reduced effect on human health and the environment** when compared to competing products and services that serve the same purpose.”



AKA:

*Environmentally Preferable Purchasing (EPP)*

*Sustainable Procurement*

*“Buying Green”*

# What are Environmentally Preferable Products?

“Environmentally preferable product or service” means a product or service that throughout the full life cycle:

- is energy efficient, water efficient, bio-based, non-ozone depleting, made with recycled content, or nontoxic; or
- has other attributes recognized as environmentally preferable by the Maryland Green Purchasing Committee



*Maryland's State Finance & Procurement Article §14-405*

# Green Purchasing Benefits

## Environmental Benefits

- Climate protection (reducing GHG emissions), conserving natural resources, promoting biodiversity
- Reducing waste going to landfills and incinerators
- Preventing toxic chemical releases into the environment (protecting local air/water quality)

## Health Benefits

- Avoiding toxic chemicals of concern (to protect workers and building occupants)
- Improving indoor air quality

## Economic Benefits

- Initial Cost Savings (reducing upfront costs by eliminating disposables, choosing remanufactured products)
- Lower Total Cost of Ownership (long-term savings through procurement of more efficient products)
- Best Value (additional benefits such as training, recycling, etc.)

**Leading by Example & Helping Maryland meet its Sustainability Commitments!**

# Green Purchasing Requirements

Maryland agencies are **required to procure environmentally preferable products and services.**

***“All procurement agencies shall purchase environmentally preferable products and services unless purchasing environmentally preferable products and services would limit or supersede any requirements under any provision of law or result in the purchase of products and services that:***

- (1) Do not perform adequately for the intended use;*
- (2) Exclude adequate competition; or*
- (3) Are not available at a reasonable price in a reasonable period of time.”*

Maryland Regulation [21.11.07.09](#)

***“To encourage the maximum purchase of environmentally preferable products and services, the Maryland Green Purchasing Committee established under § 14–410 of this subtitle shall **establish environmentally preferable specifications to be adopted by State agencies.**”***

Maryland State Finance & Procurement Article [§14–405](#).

The Committee issues specifications that State Agencies must then use in their procurements.

# Maryland's Green Purchasing Program

- Est. 2010 by the Green Maryland Act
- Inter-Agency Green Purchasing Committee
  - General Services (Chair & Provides Staffing)
  - Budget & Management
  - Commerce
  - Education
  - Environment
  - Health
  - Information Technology
  - Natural Resources
  - Public Safety & Correctional Services
  - State Treasurer
  - Transportation
  - University System of Maryland



Promote



Train



Develop policies  
& guidelines



Coordinate



Publish  
Specs



Report

# Green Specifications

## Building Systems and Related Equipment

- HVAC Systems
- Plumbing and Other Water Using Fixtures
- Flooring and Adhesives

## Electric Vehicles and Related Equipment

- Electric Vehicle Supply Equipment

## Electronics and Other Equipment

- Electronic and IT Products
- Electronic and IT Product Disposal
- Appliances

## Food and Food Service Supplies

- Food Service Supplies
- Shell Eggs

## Janitorial Supplies and Services

## Landscaping Supplies

- Landscaping Aggregate
- Landscaping Compost
- Landscaping Mulch
- Landscaping Plants
- Landscaping Services
- Landscaping Soil Amendments
- Landscaping Supplies

## Lighting

## Office Supplies

- Office Supplies (general)
- Waste and Recycling Containers

## Organics Recycling

## Paints and Coatings

## Transportation and Related Maintenance

- Snow and Ice Control Products
- Engine Coolants (Antifreeze)
- Sealants

*Check out the [Specification Index](#) for a complete list of products/services!*



# No Greenwashing Allowed!

“A bidder or offeror for a procurement contract shall certify in writing that any claims of environmental attributes made relating to a product or service are consistent with the Federal Trade Commission’s Guidelines for the Use of Environmental Marketing Terms.”

*Maryland’s State Finance & Procurement Article §14-410*



# MD Approved Environmental Ecolabels



	Construction & Maintenance	Electronic & IT Products	Food Service Ware	Janitorial Supplies	Lighting Products	Office Supplies	Paints & Coatings
Biodegradable Products Institute							
Business and Institutional Furniture Manufacturers Association Level							
Carpet and Rug Institute (CRI) Green Label Plus							
Clear Roads Qualified Product List							
Compost Manufacturing Alliance							
Cradle to Cradle (Silver or Higher)							
DesignLights Consortium							
ENERGY STAR							
EPPEAT (Silver and Gold)							
EPA CPG							
Fair Trade Certified							
Forest Stewardship Council							
Green Seal							
Greenwise or Greenwise Gold							
MPI Green Performance Standard (e.g., Extreme Green, GPS-1, GPS-2)							
Rainforest Alliance							
Safer Choice							
Scientific Certification Systems Indoor (SCS) Advantage Gold or FloorSense							
UL ECOLOGO							
UL GREENGUARD							
UL GREENGUARD Gold							
WaterSense Certified							

# What's in a Green Solicitation?

1. Legislation, Statutes, Regulations
2. Prohibited Products
3. Minimum Requirements
4. Additional Environmentally Desirable Attributes
5. Environmentally Preferable Purchasing Language

- A list of requirements by category that need to be met in order to be offered as a good/service to the State.
- Green Specifications include all relevant laws, statutes, and regulations.
- Environmental certifications referenced in the specification do not contribute to greenwashing.
- May include Green submittal requirements, like a description of sustainability features or proof of ecolabel

# Potential Submittal Requirements

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In order to track and verify which of the offered products/services are green, additional green data points may be included in the solicitation submittals.

1. Environmental Certification
2. Post-Consumer Recycled Content
3. Total Recycled Content
4. Other Environmental Attributes

*\*\*Requests may be to include the link to environmental certification or submit the certificates (or other evidence) as part of the bid package.\*\**

# Reporting Requirements

## Quarterly Sales Reports On Purchases

*Including data on:*

Recycled Content, Environmental Certifications, Other Green Attributes

*The State of Maryland requires the Contractor to submit at a minimum **quarterly sales data** over the life of this contract per a schedule established and deemed reasonable by both parties, or by request of the Department of General Services. **This information must include details about the recycled content, third-party sustainability certifications, and other environmental attributes of products and services sold on this Contract per the contract specifications.** The Contractor must notify the State if a product contains mercury. To facilitate consistent reporting on this contract, the Contractor will be provided with a **CONTRACTOR GREEN SALES REPORT template** from the Green Purchasing Committee (GPC), the Office of State Procurement (OSP) or the Department of General Services (DGS).*

# Commodities

Vendors report by line item with products provided to State agencies through projects, including Construction.

Invoice DATE*	VENDOR*	State AGENCY or Entity*	Product CATEGORY *	Name of MANUFACTURER*	Product NUMBER *	Product DESCRIPTION*	Material Type*	Product Weight*	Environmental Certifications (Ecolabels)	Other Environmental Certifications	Link to Documentation	Post - Consumer Recycled Content (%)	Total Recycled Content (%)
<i>The date listed on the invoice for the purchase</i>	<i>The company providing the product/service</i>	<i>The agency purchasing the product/service</i>	<i>Ex. Janitorial supplies, office supplies, lighting, electronics &amp; IT, construction &amp; maintenance, paints &amp; coatings, food serviceware, landscaping supplies.</i>	<i>The name of the company who made the product</i>	<i>The unique ID number found on the product/service catalog</i>	<i>The name of the product (Ex. DELL 27 4K Monitor)</i>	<i>The material used to manufacture the product (Ex. paper, plastic, metal, mixed materials)</i>	<i>The weight of the product rounded to the nearest whole number</i>	<i>Third - party certifications that verify the environmental attributes of the product/service</i>	<i>Other third - party verifications not found in the dropdown menu</i>	<i>References to the certifier's registry, the company's product catalog, or other forms of verified documentation</i>	<i>The percentage of materials recovered from the waste stream during production or after consumer use</i>	<i>Pre-consumer recycled content + post-consumer recycled content</i>

Potential products include paint, flooring, lighting, plumbing fixtures, appliances, HVAC equipment and other products with approved ecolabels.

# Ways to Help!

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Want to make things easier for State purchasers to find your green products?

Green Purchasing Guides

Online Sales Platforms with Green filters

Sales Catalogs with Green labeling data

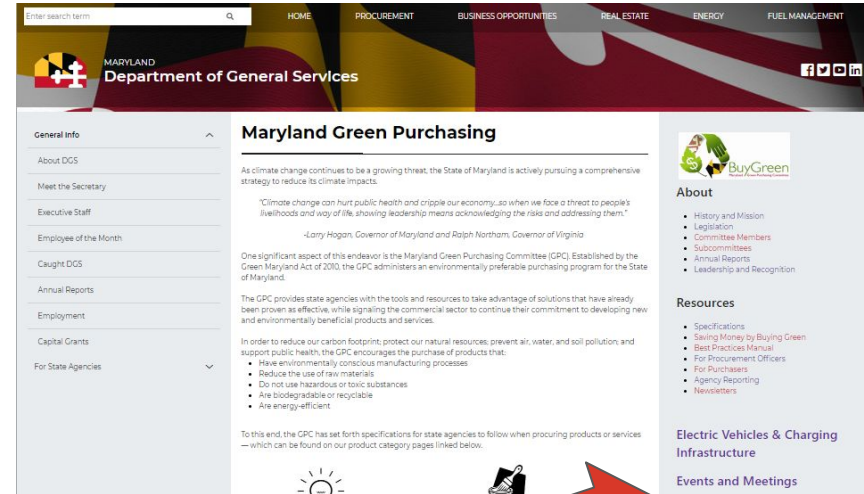
## Green Purchasing is GROWING!

- Green/Sustainable Purchasing Programs exist all over the country.
- Credible third-party green certifications cover a wide array of products.
- Growing registries of certified green products to choose from
- Cost of green products is coming down
- Improvements in manufacturer and vendor labeling of green products, making it easier to find them.



# Keep in Touch!

- Check out our Website
- Subscribe to our quarterly Newsletter
- Attend GPC Meetings
- Reach us by email:  
DGS.BuyGreen@maryland.gov



The screenshot shows the Maryland Department of General Services website. The header includes a search bar and navigation links for HOME, PROCUREMENT, BUSINESS OPPORTUNITIES, REAL ESTATE, ENERGY, and FUEL MANAGEMENT. The main content area is titled "Maryland Green Purchasing" and features a "BuyGreen" logo in the top right corner. A large red arrow points to this logo. The page content includes a "General info" sidebar, a main text area with a quote from Governor Larry Hogan, and a "Resources" sidebar with links to specifications, manuals, and reports.

# DGS' EV Infrastructure Program

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# Maryland State Fleet



*Pool Vehicles (Passenger)*

*Assigned Vehicles (Passenger)*

*Special Use Vehicles (Police, Transit, Medium & Heavy)*

*Fleet is managed by Dept. of Budget & Management (DBM)*

# History

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*2019: A need for a statewide coordinated approach to installing ZEV charging infrastructure to support an increasingly electric fleet.*

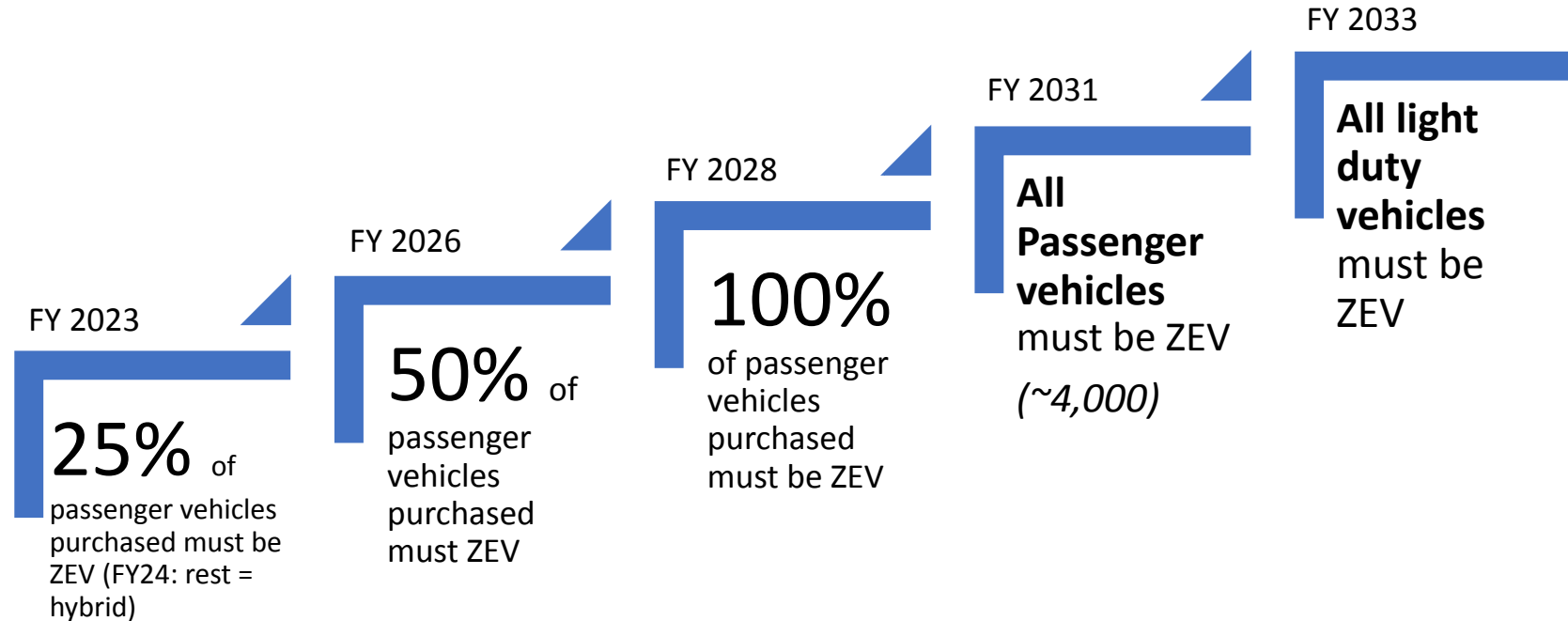
*2022: Reinforced by Statutory Requirement - Climate Solutions Now Act of 2022*

*100% of the Passenger Vehicle Fleet must be ZEV by 2031 (~4,000)*

*100% of Light Duty Vehicle Fleet must be ZEV by 2036 (Unknown #)*

***DGS is responsible for EV Charging Infrastructure for State's ZEV fleet***

# Climate Solutions Now Act Requirements



## DGS Electric Vehicle Infrastructure Program:

*A centralized program for State government's EV fleet charging needs*

- Continuity of Operations*
- Training and Guidance*
- Stakeholder Collaboration*



# EV Infrastructure Program



Planning & Project  
Development



Program  
Strategy & Policy



Design, Procurement &  
Construction



State Agency  
Coordination



Data Collection  
& Reporting



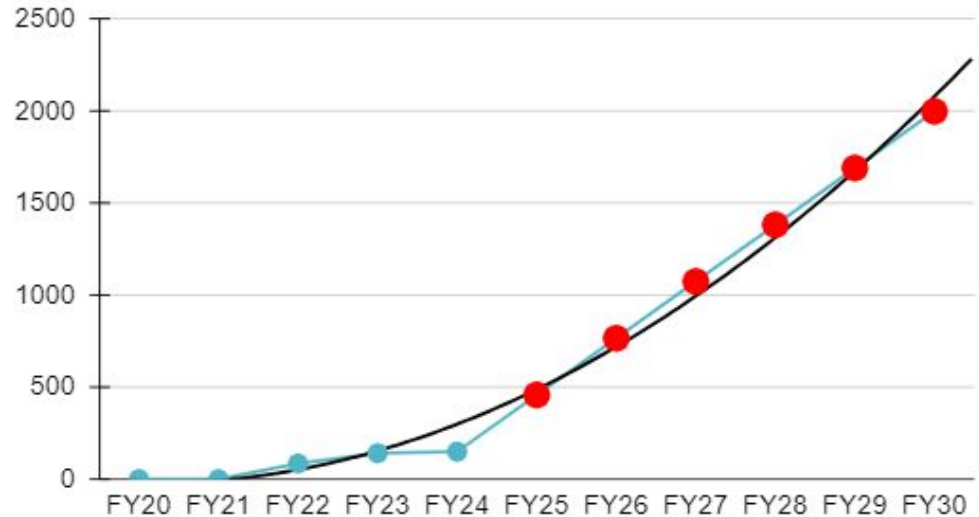
Education &  
Support

# Progress and Goals

257 EV Charging Ports  
installed since FY22




Goal: ~2,000 ports  
installed by 2031

Cumulative Ports Forecast





# State EV Charging Map

 **Charging & Fueling at ...**  


DGS EV Infrastructure Program


▼ This map includes Electric Vehicle (EV) charging stations located at Maryland State facilities and State owned fueling sites. The intent is to assist 29,887 views  
Published on October 22

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ICE Fueling Stations

EV Charging Stations

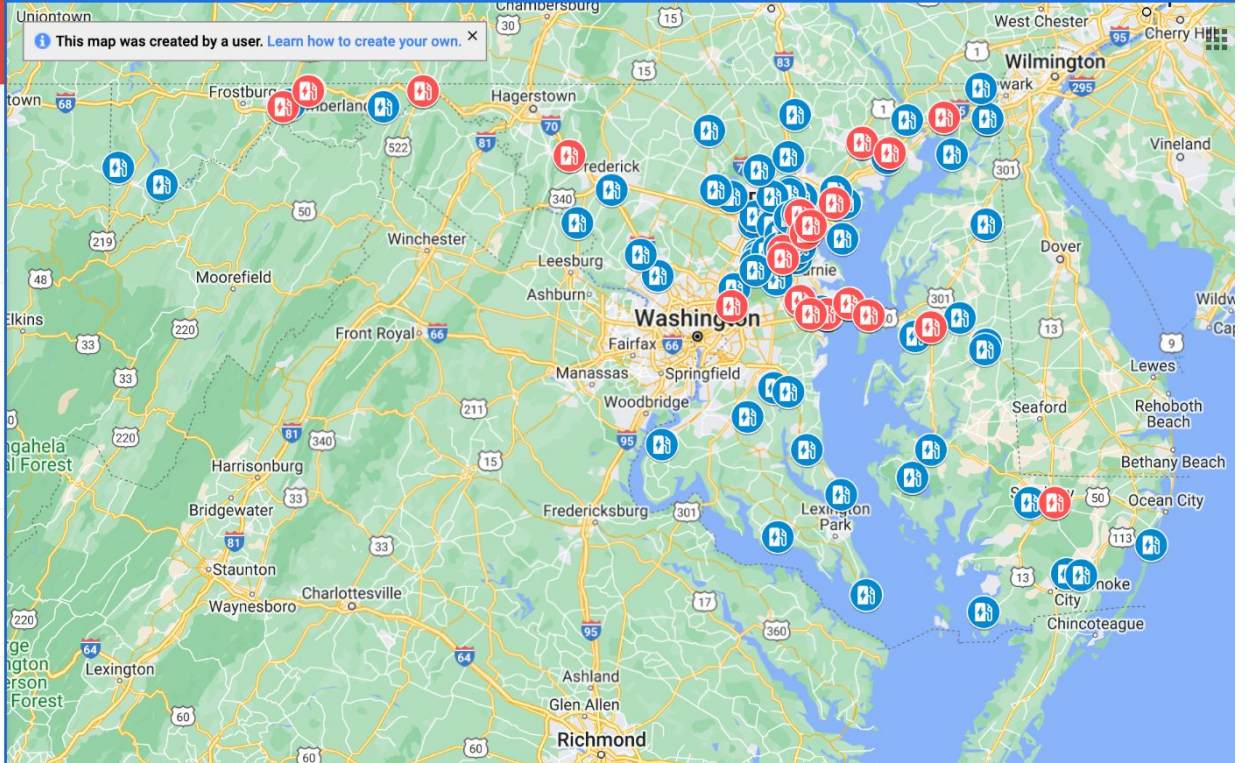
▼  All items



Fast Chargers

▼  All items

This map was created by a user. [Learn how to create your own.](#)



# Areas of Opportunity

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*\*EV Charging repair and maintenance*

*\*Data aggregation*

*\*Cost effective workplace charging options*

*\*Ways to make charging easier and more reliable*

# Contact Information



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