



DIVISION OF ENERGY & ENVIRONMENT

FY24 Highlights

Empowering Frederick County with resilient, equitable solutions to environmental challenges, the Division of Energy and Environment partners with our community to mitigate climate risks, enhance watershed quality, modernize energy systems, and ensure that sustainability is for everyone.

CLIMATE & ENERGY

Leads County Government's response to the climate crisis and ensures alignment with regional goals and state regulations. Provides interagency support, data-driven strategies, and equitable programs to build adaptable operations, a resilient community, and a decreased impact on the environment.

- 60** Households renovated through our grant-funded Power Saver Retrofits program, each saving ~\$780 in energy costs per year and reducing our community's GHG emissions.
- 588,000 kW hours** The amount of energy our Building Energy Performance setbacks and grant funded energy-efficient lighting upgrades will save FCG in the next year.
- 4,372 gallons** The annual fuel savings attained through our collaboration with Fleet Services to retire 9 vehicles and replace them with EVs, using grant assistance.
- 16** New publicly accessible EV chargers at County facilities funded through partnerships with MWCOG and the Maryland Clean Energy Center.

STORMWATER

Provides ecologically responsible management of the County's portion of the Chesapeake Bay watershed. Structured by Maryland's Municipal Separate Storm Sewer System (MS4) permit, this work includes water quality monitoring, watershed restoration, pollutant reduction, and stormwater infrastructure enhancement.

In this first year of the new Municipal Separate Storm Sewer System Permit:

- 667** Septic pump-out rebates issued to incentivize clean tanks and reduce pollution.
- 90.58** Tons of litter removed from the environment.
- 11.29** Acres of land were reforested with native species.
- 34.99** Acres of impervious surface area mitigated with stormwater best management practices.

ENVIRONMENTAL EQUITY

Recognizes that the impacts of climate change are not distributed equally and works to ensure that our programs and services understand and meet the needs of everyone in our community. Builds partnerships and leverages grant funding to increase participation in local sustainability initiatives.

- 75** Frederick County residents "navigated" to beneficial sustainability programs.
- 12** Rebates issued in the brand new Energy-Star appliance program.
- 50** Partnerships with individuals and organizations to support sustainability initiatives.

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Recent Grant Funding Brought Into Frederick County

AMOUNT	PROGRAM	UTILIZATION
\$1,050,717	Chesapeake & Coastal Grants Gateway	Creek ReLeaf Reforestation Program 2024 - 2026
\$571,948	MEA Low-to-Moderate Income Households Grant	Power Saver Retrofits Program 2023
\$1,000,000	Resilient Maryland Grant	Prospect Center Microgrid
\$1,255,475	MEA Energy Equity Efficiency Program	Power Saver Retrofits Program 2024
\$262,432	Medium Duty & Heavy Duty ZEV Program	Electric Fire Truck (Procurement in 2025)
\$54,060	MD Smart Energy Communities Grant	Pinecliff Park Energy-Efficient Parking Lights Phase 2
\$30,775	Streetlight & Outdoor Lighting Efficiency Grant	Middletown, Libertytown, Fountain Rock LED Lighting
\$241,500	MSEC Energy Efficiency & Transportation	Thurmont Library Energy-Efficient Lighting
\$81,250	Energy Efficiency & Conservation Block Grant	Energy Efficiency Outreach Program
\$817,200	FEMA BRIC Grant (Congressionally Directed)	Point of Rocks Stream Restoration
\$997,266	EPA Environmental Justice G2G Grant	Building Frederick County Together (Green Homes Program)
\$1,275,000	Congressionally Directed Appropriation	Prospect Center Resiliency Facility
\$80,000	MWCOG CFI Discretionary Grant Program	Publicly Accessible EV Chargers for the Thurmont Library
\$2,278,327	MD Equitable Charging Infrastructure Partnership	Montevue, Courthouse & Prospect Center DC Fast Chargers



\$9,995,950 OF GRANT FUNDING RECEIVED.



\$20,000,000 grant applications submitted, in progress.

PLUS

\$64,861

Rebates received in 2023 for energy upgrades to County facilities.



DEE staff participated in 70 community events, classes, sustainability programs, and public meetings in CY24.

23,100 social media views and 14,133 digital content subscribers reached.

We employed three interns, helping develop future local government leaders.