



FY24 Resilient Maryland Program

Award Recipients

<u>Awardee</u>	<u>County</u>	<u>Award Amount</u>
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AREA OF INTEREST 1: PRECONSTRUCTION PLANNING

Enterprise Community Development, Inc.	Baltimore City, Baltimore County, Harford, Prince George’s, Anne Arundel, And Howard	\$120,000
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Enterprise Community Development, Inc. (“ECD”) is a substantial affordable housing provider across the Mid-Atlantic region of the United States. They develop, manage, and preserve properties, as well as provide services to residents that live in their communities. ECD will use their \$120,000 FY24 Resilient Maryland award to help fund preconstruction planning activities for solar and battery storage-powered resiliency hubs at ten (10) senior housing and family properties across Baltimore City, Baltimore County, Harford County, Prince George’s County, Anne Arundel County, and Howard County. This analysis will help ECD better understand the feasibility of placing solar and battery storage systems at these properties, and what potential barriers exist that must be overcome or otherwise mitigated. Solar system configurations for consideration include rooftop and carport (solar canopy).

Mt Calvary Baptist Church	Montgomery	\$30,000
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Mt Calvary Baptist Church (“MCBC”), located in Rockville, MD, is the first church of color that was established in Montgomery County. It is a trusted location in the community that is looking to enhance its sustainability and provide a safe location for congregants and underserved residents to locate during power outage situations. The church suffered a major power outage within the past twelve (12) months that, according to MCBC, “disrupted Sunday service and caused an economic loss.” MCBC will use their \$30,000 FY24 Resilient Maryland award to help fund preconstruction planning activities for a resilient facility power system (“RFPS”) to serve its campus. Technologies under consideration include solar PV, battery storage, and electric vehicle charging stations.

Salisbury University	Wicomico	\$125,000
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Salisbury University (“SU”) is a four (4) year, public university located on Maryland’s Eastern Shore in Salisbury, MD, that is part of the University System of Maryland. It is an important educational hub for the Eastern Shore that has a total current enrollment of 7,030 students. SU’s campus includes the Eastern Shore’s first LEED-certified new construction facility, and ten (10) additional campus buildings have followed that model. The university will use their \$125,000 FY24 Resilient Maryland award to help fund planning activities for a campus microgrid that will enhance sustainability and safeguard its critical operations and facilities from power outages. Technologies that will be considered include: solar PV, electric vehicle charging equipment, land-based wind, geothermal heating and cooling, anaerobic digestion for the creation of renewable natural gas (“RNG”), battery storage, and advanced microgrid controls.

Dots Energy, Inc**Baltimore City****\$30,000**

Dots Energy, Inc (“Dots Energy”) is a battery storage systems integration and community microgrid project development company. They have developed an innovative resilient power station model that includes flow battery technology. Flow batteries are alternatives to lithium-ion for stationary storage in underground facilities that are similar to underground gasoline tanks at gas stations. Dots Energy will use their \$30,000 FY24 Resilient Maryland award to help fund preconstruction planning activities for the construction of one of these resilient power stations at Stillmeadow Community Fellowship (“SCF”) in Baltimore City. This is a faith-based institution that presently serves as a Baltimore City Community Resilience Hub. This analysis would specifically look at adding a new, unique, and innovative resilient energy solution that may have high potential to be both replicable and scalable. The resilient power station will include a solar PV canopy, electric vehicle chargers, a flow battery, and community WiFi. The project can also serve as an emergency management staging area during disasters and other detrimental events that impact the surrounding community.

Allegany College of Maryland**Allegany****\$30,000**

Allegany College of Maryland (“ACM”) is a public higher learning institution that offers two (2) and four (4) year degrees, located in Cumberland, MD. They recently acquired a makerspace facility in LaVale, MD, which is known as the “Western Maryland Works Training Center and Makerspace” (“WMWTCM”). This makerspace provides ACM students a location where they can get hands-on learning and experience to prime them for future careers in advanced manufacturing and related disciplines. It helps enable a locally-trained workforce that keeps well-paying jobs in Western Maryland. Specifically, ACM will use their \$30,000 FY24 Resilient Maryland award to help fund planning activities for a clean energy RFPS at the WMWTCM facility to provide hands-on learning opportunities for clean energy careers, safeguard expensive equipment, enhance sustainability, and help maintain seamless operational integrity in dynamic conditions and grid instability. Technologies under consideration include solar PV, electric vehicle charging equipment, land-based wind, geothermal heating and cooling, biomass conversion technologies, battery storage, and advanced microgrid controls.

Howard County Government**Howard****\$24,000**

Howard County Government’s Office of Community Sustainability (“HCOCS”) leads the County’s sustainability efforts and other matters. HCOCS has a mission to “protect and enhance [their] environment, economy, and overall quality of life for residents today and for generations to come.” Specifically, HCOCS will use their \$24,000 FY24 Resilient Maryland award to help fund preconstruction planning activities for two (2) resiliency hub sites in Howard County. These include the North Laurel Community Center in Laurel, MD; and the Gary J. Arthur Community Center in Cooksville, MD. All three (3) of these locations are County-owned community centers, as well as official warming and cooling centers for extreme temperature events. Combined, these facilities have space to accommodate around 9,000 community members during emergencies and other outage situations. Technologies under consideration include solar PV and battery energy storage.

City of Cambridge**Dorchester****\$125,000**

The City of Cambridge (“Cambridge”) is located in Dorchester County on Maryland’s Eastern Shore. It was founded in 1684, making it one of Maryland’s oldest communities. The population is currently just over 13,000 residents, and represented by individuals with diverse backgrounds and a shared sense of community and importance around maritime heritage. Cambridge’s location makes it particularly vulnerable to sea level rise, putting it at greater climate change risk than many other Maryland communities. Cambridge will use their \$125,000 FY24 Resilient Maryland award to help fund preconstruction planning activities for a city-wide distributed microgrid across four (4) separate city-owned sites that have critical and other important infrastructure and services. These sites include:

(1) City Hall, (2) the Watkins Public Safety Complex, (3) the Cambridge Public Works building, and (4) the Municipal Yacht Basin, which is a large source of economic activity for the community.

Easton Utilities Commission**Talbot****\$125,000**

The Easton Utilities Commission (“EUC”) is the municipal authority for utilities in Easton, MD, in Talbot County on Maryland’s Eastern Shore. They supply electricity, water, wastewater, natural gas, cable TV, and internet services for the Easton community. EUC is a community-owned nonprofit organization that is not subject to the same regulations as other utilities under the Maryland Public Service Commission (“PSC”). They will use their \$125,000 FY24 Resilient Maryland award to help fund preconstruction planning activities to convert its electricity infrastructure into a community microgrid—reducing its reliance on electricity supplied from the bulk power system. This innovative approach has been undertaken by other Maryland municipalities, including the Town of Williamsport in Western Maryland. Technologies under consideration include solar PV and battery storage.

**Laurel Holding Group, Inc.
(Cedar Hill General Store and Deli, LLC)****Wicomico****\$30,000**

Laurel Holding Group, Inc. (“Laurel Holding Group”) owns and operates the Cedar Hill General Store and Deli, LLC (“Cedar Hill General Store”) in Bivalve, MD. This store is the primary source of general goods for the surrounding communities, outside of large department stores that are at considerable distances from residences, in a largely rural area of Maryland’s Eastern Shore near the coast. Bivalve is located along the Chesapeake Bay, making it particularly vulnerable to sea level rise and severe tropical weather. This will only worsen with the compounding impacts of climate change. Laurel Holding Group will use their \$30,000 FY24 Resilient Maryland award to help fund preconstruction planning activities for a RFPS to serve the Cedar Hill General Store, enabling it to continue operations during grid outage events and serve as a safe haven for community residents during emergencies and other disasters. Technologies under consideration include solar PV and battery storage.

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<u>Awardee</u>	<u>County</u>	<u>Award Amount</u>
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AREA OF INTEREST 2: CAPITAL SUPPORT

Housing Opportunities Commission of Montgomery County (Hillandale Gateway)	Montgomery	\$1,500,000
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The Housing Opportunities Commission of Montgomery County (“HOCMC”) is a quasi-governmental affordable housing development nonprofit organization for the residents of Montgomery County, MD. HOCMC has collaborated with the Duffie Companies and PS Ventures to design the soon-to-be-constructed Hillandale Gateway mixed senior, affordable, and moderately priced dwelling unit (“MPDU”) multifamily high-rise community. This large development will provide affordable housing options for Montgomery County seniors and other residents, and will also offer some MPDUs. The building will be constructed to the Passive House Standard, and HOCMC will use their \$1,500,000 FY24 Resilient Maryland award to help pay for the microgrid equipment and construction costs. The technologies encompassing the microgrid include a 1,059-kW solar PV system, a 375-kW / 860-kWh battery storage system, and a 500 kW emergency backup generator. **Note: This is a prior Resilient Maryland preconstruction planning grant awardee. This project resulted from the MEA-funded analysis.**

Allegany College of Maryland	Allegany	\$750,000
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Allegany College of Maryland (“ACM”) is a public higher learning institution that offers two (2) and four (4) year degrees, located in Cumberland, MD. It is an important local educational institution key to training residents for well-paying, local careers. ACM proposes to install a microgrid at their main campus to safeguard critical operations, improve sustainability, and provide direct, hands-on learning opportunities for students to be trained in clean energy careers. This is especially important for the surrounding communities, which disproportionately experience socioeconomic challenges compared to other regions of the State. ACM will use their \$750,000 FY24 Resilient Maryland award to help pay for the microgrid equipment and construction costs. The microgrid will consist of 1,139-kW solar PV (multiple systems), six (6) electric vehicle charging stations, a 460-kW fuel cell combined cooling, heat, and power (“CCHP”) system, geothermal heating and cooling, metering infrastructure, and an advanced microgrid controller. **Note: This is a prior Resilient Maryland preconstruction planning grant awardee. This project resulted from the MEA-funded analysis.**

Frederick County, Maryland	Frederick	\$1,000,000
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Frederick County, Maryland (“Frederick County”) acquired its Prospect Center building a few years ago, which is now being retrofitted to become home to critical County emergency operations, IT infrastructure, and other vital County services. It is located in Frederick, MD. Frederick County will use their \$1,000,0000 FY24 Resilient Maryland award to help fund the installation of a resilient facility power system to provide clean, resilient, sustainable energy to safeguard critical operations and services for residents as well as enhance the sustainability of County operations. Specifically, the RFPS will consist of 1,977-kW solar PV and a 2,000-kW / 2,294-kWh battery storage system. An emergency backup generator is required for the 911 center, and there will be an additional 1,500-kW generator to help part of the facility serve as a resiliency hub for the surrounding community. **Note: This is a prior Resilient Maryland preconstruction planning grant awardee. This project resulted from the MEA-funded analysis.**

Award list continues on next page.

Bowie State University**Prince George's****\$1,050,000**

Bowie State University (“BSU”) is a Historically Black College and University (“HBCU”) located in Bowie, MD, in Prince George’s County. BSU originated from a school originally opened in Baltimore because of the State’s failure to provide for its citizens of color. BSU provides high-quality, nationally renowned undergraduate, graduate, doctoral, and specialty certificate programs to its students. BSU will use their \$1,050,000 FY24 Resilient Maryland award to help fund the installation of a campus microgrid that will bolster the resilience of its crucial facilities, improve its sustainability, benefit the surrounding Bowie community, and provide direct, hands-on learning opportunities. Specifically, the campus microgrid will be composed of 3,347-kW solar PV (inclusive of a 144.4-kW-ac rooftop system, a 1,203-kW-ac parking solar PV canopy, and an off-campus ground-mount 2,000-kW-ac system); 460-kW CCHP system; thirty (30) refrigerant ton (RT) geothermal heating and cooling system; 200-kW / 1,000-kWh battery storage system; campus-wide metering; and an advanced microgrid controller. **Note: This is a prior Resilient Maryland preconstruction planning grant awardee. This project resulted from the MEA-funded analysis.**

Montgomery County, Maryland**Montgomery****\$1,500,000**

Montgomery County has enacted a policy that sets County operations on the path to 100% greenhouse gas emissions reduction by 2035. Many projects are underway across the County to help facilitate the clean energy transition and meet their established climate goals. The Equipment Maintenance and Transit Operations Center (“EMTOC”) in Rockville, MD is a critical County facility where large portions of the Montgomery County bus fleet are housed, as well as the maintenance and support equipment necessary to keep the buses running. Montgomery County began to transition its bus fleet to full-electric a few years ago, and a major accomplishment in that endeavor was at the Brookville Bus Depot, which included the installation of a clean energy microgrid. Montgomery County now wants to replicate its successes at Brookville and improve on the model, and in doing so will use their \$1,500,000 FY24 Resilient Maryland award to help fund the installation of a highly advanced, clean energy microgrid at the EMTOC. Specifically, the microgrid will consist of 5,680-kW-dc of solar PV canopy systems, a 2,000-kW / 6,900-kWh battery storage system, ten (10) 180-kW electric bus chargers and one (1) 360-kW charger, and a mix of plug-in and pantograph chargers. **Note: This is a prior Resilient Maryland preconstruction planning grant awardee. This project resulted from the MEA-funded analysis. Equity Note: This project will deliver substantial equity benefits, by way of reduced point-source vehicle emissions in communities, as well as providing clean, reliable, well-maintained buses for County residents that depend on public transportation. Many LMIOU communities rely on these services because of the financial barriers to personal vehicle ownership.**

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AREA OF INTEREST 3: RESILIENCY HUBS

HOC at Gregorian Court, LLC	Montgomery	\$386,100
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HOC at Gregorian Court, LLC (“HOCGC”) is owned and managed solely by the Housing Opportunities Commission of Montgomery County (“HOCMC”). HOCGC is an affordable housing multifamily community located in Aspen Hill, MD. This community is in a highly vulnerable area of Montgomery County—approximately eighty percent (80%) of the population rent their homes, and seventy percent (70%) of residents experience low-to-moderate income. Further, the U.S. Census Bureau reports significant percentages of the population within Aspen Hill’s census tract who are unable to pay their energy bills, struggle with household expenses, suffer from food scarcity, disproportionately experience hardships from inflation, face eviction from or foreclosure of their homes, receive child food assistance services, and more. HOCGC will use their \$386,100 FY24 Resilient Maryland award to help fund the installation of a 128.7-kW-dc solar PV and 80-kW / 372-kWh battery storage system that will enable the property’s Community Room to serve as a resiliency hub for the community.

Victory Woods, LLC	St. Mary’s	\$477,000
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Victory Woods, LLC (“Victory Woods”) owns and operates the Victory Woods Apartments multifamily housing community located in Lexington Park, MD. It is exclusively offered to seniors facing challenges from low-to-moderate income, and presently serves 375 individuals. Further, residents can only qualify for housing if they make below 60% of Area Median Income. St. Mary’s County has substantially fewer clean energy project investments than the majority of the State, and many LMIOU populations. Victory Woods will use their \$477,000 FY24 Resilient Maryland award to help fund the installation of a 159-kW-dc solar PV and 350 kWh battery storage system that will enable the Community Room to serve as a resiliency hub for the community.

Victory Crest, Inc.	Prince George’s	\$498,000
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Victory Crest, Inc. (“Victory Crest”) owns and operates the Victory Crest Apartments multifamily housing community located in Hyattsville, MD. It is exclusively offered to individuals and families facing challenges from low-to-moderate income, and presently provides sixty (60) units. Further, residents can only qualify for housing if they make below 60% of Area Median Income. Many residents are part of minority communities, and many are also senior residents. Victory Crest will use their \$498,000 FY24 Resilient Maryland award to help fund the installation of a 166-kW-dc solar PV and 350 kWh battery storage system that will enable the Parlor Room to serve as a resiliency hub for the community.

Baltimore Arts Realty Corporation Inc	Baltimore City	\$285,600
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Baltimore Arts Realty Corporation Inc (“BARC”) owns and operates the Open Works makerspace in Baltimore City; specifically, in the Greenmount West community. This community has been historically redlined and suffers from substantial and disproportionate underinvestment. There are some alarming socioeconomic indicators—twenty-five percent (25%) of Greenmount West community residents do not have home internet access, twenty-nine percent (29%) do not have access to a vehicle, and sixty-six percent (66%) of community residents rent their homes. This means that residents are more severely impacted by emergency, weather, and other disaster events. BARC will use their \$285,600 FY24 Resilient Maryland award to help fund the installation of a 95-kW-dc solar PV canopy and 200-kWh flow battery system at Open Works that will enable its facilities to serve the Greenmount West community as a resiliency hub in times of grid outage.

Takoma Tower, LP**Montgomery****\$229,200**

Takoma Tower, LP (“Takoma Tower”) owns and operates the Victory Tower Apartments multifamily housing community located in Takoma Park, MD. It is exclusively offered to individuals and families facing challenges from low-to-moderate income, and presently provides 225 units. Presently, all residents are seniors. Further, residents can only qualify for housing if they make below 60% of Area Median Income. Takoma Tower will use their \$229,200 FY24 Resilient Maryland award to help fund the installation of a 76.4-kW-dc solar PV and 150 kWh battery storage system that will enable the Community Room to serve as a resiliency hub for the community.

Victory Crossing, LP**Montgomery****\$500,000**

Victory Crossing, LP (“Victory Crossing”) owns and operates the Victory Crossings Apartments multifamily housing community located in Silver Spring, MD. It is exclusively offered to individuals and families facing challenges from low-to-moderate income, and presently 105 units. Presently, all residents are seniors. Further, residents can only qualify for housing if they make below 60% of Area Median Income. Victory Crossing will use their \$500,000 FY24 Resilient Maryland award to help fund the installation of a 225.5-kW-dc solar PV and 350 kWh battery storage system that will enable the Community Room to serve as a resiliency hub for the community.

The People’s Foundation**Montgomery****\$430,000**

The People’s Foundation is a 501(c)(3) nonprofit organization that was “established to be a mechanism to further the philanthropic endeavors of individuals and organizations in the Greater Washington, DC metropolitan region and the surrounding communities.” They will use their \$430,000 FY24 Resilient Maryland award to help fund the installation of a solar and battery storage system that will enable The People’s Community Baptist Church in Silver Spring, MD to serve as a resiliency hub for its surrounding communities. The People’s Foundation reports that the church membership is approximately 2,600 individuals from surrounding communities, forty percent (40%) of which face challenges with low-to-moderate income. Specifically, funds will be used for a 267.3-kW-dc solar PV system, of which 178.2-kW-dc will serve the site as a resiliency hub in terms of grid outage. The battery is 27-kW / 153.9-kWh. The resiliency hub will bring a safe, easily accessible location for community residents to congregate during grid outages and other emergency situations.

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