



Existing Maryland Smart Energy Communities

Anne Arundel County — \$50,000

Funding will assist Anne Arundel County to continue its lighting retrofit project from 2018 that aims to replace outdated fluorescent lighting at the County's Heritage Office Complex. The building at 2664 Riva Road will have all interior lighting replaced with LEDs, and dimmer switches will further reduce the building's energy usage. The project is expected to reduce annual electricity consumption by 150,400 kWh and produce annual savings of \$15,792 dollars.

Baltimore City — \$50,000

Baltimore City's Department of General Services requested funding to support its purchase of 19 electric vehicles (EVs) to replace a comparable number of gas-powered vehicles. The funds will cover the incremental costs of the new EVs. The project will result in an annual reduction of approximately 7,900 gallons of gasoline, and estimated CO₂ emissions reduction of 157,000 pounds.

Baltimore County — \$100,000

Baltimore County sought funding involving two projects: lighting system upgrades, and HVAC upgrades, at its Reisterstown Library. The project is expected to reduce annual energy consumption of approximately 340,703 kWh, which translates to a 50% improvement in the overall building energy efficiency.

Bel Air (Harford County) — \$10,000

Bel Air will utilize MSEC funds to support the purchase of a plug-in hybrid vehicle (PHEV) for its parking enforcement department. The town will retire an older gas powered vehicle that used a large percentage of its fuel while idling. The project expects to reduce annual petroleum fuel consumption by 1,054 gallons.

Cottage City (Prince George's County) — \$10,000

Cottage City will use funds to support the purchase of an EV for its Code Enforcement Department and discontinue use of an older gas powered vehicle. The project expects to reduce annual petroleum fuel consumption by more than 700 gallons.

Frostburg (Allegany County) — \$10,000

Frostburg will use funds to support the purchase of a police EV, primarily to serve the school resource officer. The new EV will save approximately 2,600 gallons of fuel, be highly visible to the public and enable the retirement of an older gas powered vehicle.

Galena (Kent County) — \$38,000

Galena will use funds on a project which will support the purchase and installation of a roof-top solar photovoltaic (PV) system on the town hall. The project is expected to produce a minimum 17,600 kWh annually, saving the town more than \$1,750 dollars in electricity costs.



Garrett County — \$15,480

Garrett County will use MSEC funding to replace 81 exterior lights at its health center. The LED project will result in an annual reduction of approximately 60,465 kWh, and a cost savings of nearly \$4,000 dollars.

Hagerstown (Washington County) — \$30,212

Hagerstown aims to complete its retrofit project for the exterior lighting in its city parks updating 47 existing exterior lights with LED lamps. The anticipated energy savings is more than 28,000 kWh annually or \$2,250 dollars.

Howard County — \$100,000

Howard County will use funds on two projects for FY20. The first is to retrofit existing lighting systems at five facilities, including three public libraries, the public safety building, and a soon-to-be renovated village center. Annual electricity reduction is expected to reach 121,480 kWh or \$15,000 dollars. The second project will support the incremental purchase costs of five EVs for its administrative fleet which will replace five gas powered vehicles that will be given to Howard County Fire & Rescue division for occupant extraction training. Reusing these vehicles for vital first responder training reduces emissions significantly as they will no longer be in operation. Expected benefits for these five EVs include fuel reduction of 1,220 gallons of gasoline and cost savings of \$7,600 annually.

Hyattsville (Prince George's County) — \$100,000

Hyattsville will use funds on two projects for FY20. The first project will be the purchase and installation of a roof-top solar PV system on its new administration and vehicle maintenance building. The building is being constructed to robust environmental standards, and will incorporate a solar PV system large enough to produce roughly 130,000 kWh per year. The second project will support the incremental cost of purchase of a fully-electric garbage truck. Hyattsville aims to be the first community in Maryland to employ a clean-energy vehicle for trash and recycling collection. The proposed vehicle would have an 85-mile range per charge and incorporate regenerative braking to extend the range. The current diesel-powered garbage truck will be retired and the change will reduce the city's annual petroleum consumption by approximately 1,250 gallons and CO₂ emissions by roughly 9,000 pounds.

North Beach (Calvert County) — \$10,000

North Beach will use their funding to support the purchase of a fully-electric multi-purpose vehicle for its code enforcement department. The EV will replace an older gas powered pick-up truck, reducing annual petroleum consumption by 215 gallons.

Rockville (Montgomery County) — \$27,122

Rockville plans to replace all 157 interior lighting fixtures in its Lincoln Park Community Center with LEDs, and install occupancy controls with sensors. Reduction of annual electricity consumption is expected to reach 54,058 kWh, and save nearly \$7,231 dollars in electricity and maintenance costs.



Salisbury (Wicomico County) — \$50,000

Salisbury will use their FY20 grant to continue a previous MSEC project to convert to all LED streetlights. This effort would involve retrofitting another 151 fixtures around the city. Annual expected electricity savings is 122,092 kWh, or \$7,150 dollars.

Taneytown (Carroll County) — \$22,284

Taneytown proposes to replace 78 of its city streetlights with LED fixtures. The annual electricity savings is expected to be about 30,983 kWh, or \$4,150 dollars.

Thurmont (Frederick County) — \$48,925

Thurmont will use MSEC funds to replace 103 of its city streetlights with LED fixtures for an estimated annual energy savings of 66,635 kWh or \$5,565 dollars.

Upper Marlboro (Prince George's County) — \$10,000

Upper Marlboro will use MSEC funds to support the incremental purchase cost of an EV for its code enforcement department. The EV will replace an older gas powered vehicle, realizing an annual petroleum savings of approximately 700 gallons or \$1,750 dollars.

New Maryland Smart Energy Communities

Charles County — \$50,000

As part of a larger effort involving an energy services company (ESCO), Charles County will use MSEC funds to supplement the cost of a county-wide lighting upgrade to its many facilities. It is anticipated that the \$4.4 million dollar lighting project will reduce annual electricity consumption by roughly 2,346,000 kWh across all county facilities.

Hurlock (Dorchester County) — \$22,250

Hurlock will use MSEC funds to establish an official energy baselines for its facilities, and replace three out-of-date HVAC units, one at the town hall and two at the wastewater treatment plant (WWTP). The town already employs a solar PV system at its WWTP as well as a geo-thermal unit for other facilities. The project is expected to improve energy efficiency at the facilities by at least 25%.

Note, new MSEC communities have begun to implement policies and full project details are not available at this time. Awarded funding may differ from actual disbursements based on the community's ability to spend the grant money on the eligible award. All projects require a historical preservation review before work can begin.