Existing MSEC Communities, Grant Amounts, and Project Descriptions

Baltimore City #1 – $55,000
The Department of General Service (DGS) for Baltimore City (the City) proposed eight different projects, seven of which are for energy efficiency efforts and one for roof-top solar PV. Project #1 involves a limited retro-commissioning of the HVAC system in the City's Police Department Headquarters at 601 E. Fayette St. It is expected that these efficiency measures will result in annual energy savings of 2,914 MMBtus (Million British Thermal Units) and cost savings of $41,217 per year.

Baltimore City #2 – $55,000
The City's Project #2 involves a limited retro-commissioning of the HVAC system in the City's Police Department Headquarters Annex, also located at 601 E. Fayette St. While the Police HQ building and the Annex are connected, they operate separate HVAC systems and are thus considered to be separate projects. It is expected that these efficiency measures will result in annual energy savings of 1,759 MMBtus (Million British Thermal Units), 85,813 kWh, and cost savings of $37,036 per year.

Baltimore City #3 – $54,000
For Project #3, the City's DGS is requesting funding to support the purchase of an 18 kW solar PV roof-top system for its Govans Multi-Purpose Center at 5225 York Road. It is expected that this project will produce about 25,000 kWh annually and provide annual savings of roughly $3,451.

Baltimore City #4 – $42,605
Project #4 involves retrofitting the lighting systems and improving the Govans Multi-Purpose Center building's envelope with air sealing and weatherization measures. It is expected that these efficiency measures will result in annual energy savings of 36,360 kWh, gas savings of 463 therms, and annual cost savings of $5,613.

Baltimore City #5 – $55,000
The City's Project #5 involves a limited retro-commissioning of the HVAC system in the City's Convention Center at 1 West Pratt St. This effort is part of a larger Energy Performance Contract (EPC) for the facility. It is expected that these efficiency measures will contribute to annual energy savings of 1,279 Mlbs/steam (or 1,322 MMBtus), 399,324 kWh, 107,170 ton-hrs/chilled water (or 1,286 MMBtus) and 1,190 Kgal/water, and cost savings of $73,013 per year.

Baltimore City #6 – $24,500
Project #6 involves exterior lighting retrofits at the Fort McHenry Fire Pier at 2698 Leahy St. It is expected that this effort will result in annual energy savings of 25,134 kWh, and cost savings of $3,519 per year.

Edmonston – Prince George's – $3,750
The Town of Edmonston would utilize MSEC funding to support the purchase of an electric vehicle (EV) for its Administration department. The Town will retire an older gas-powered vehicle (GPV)

resulting in expected reduction of annual petroleum fuel consumption of 180 gallons and cost savings of $450.

Frederick County – $54,050
Frederick County proposes to leverage MSEC funding for lighting upgrades to its outdoor lights at Pinecliff Park. It is anticipated that this project will reduce annual electricity consumption by roughly 48,881 kWh, resulting in savings of $3,910.

Hagerstown – Washington – $30,747
The City of Hagerstown continues its long-range plan to retrofit its streetlights and outdoor lighting. For this effort, the City plans to retrofit 86 lights at its Fairgrounds Park and Hamilton Run Trail, resulting in a consumption reduction of approximately 51,782 kWh annually, saving roughly $4,401 in annual costs.

Howard County #1 – $37,500
Howard County (the County) has submitted applications for seven different projects under the MSEC FY22 program. For Project #1, the County seeks funding to support the incremental costs (at $3,750 each) of purchasing five EVs for its administrative fleet. Five GPVs will be decommissioned and given to the County's Fire & Rescue division for occupant extraction training, thereby reducing potential emissions were the vehicles otherwise sold and kept in operation. Expected benefits include fuel reduction of 1,272 gallons and cost savings of $5,300 annually (including operations and maintenance).

Howard County #2 – $55,000
Howard County's Project #2 proposes to replace 128 inefficient T8 CFL lamps with LED fixtures throughout the Ascend One building in Columbia. Reduction of annual electricity consumption is expected to reach 77,664 kWh, saving the County roughly $7,766 in annual costs.

Howard County #3 – $55,000
Project #3 proposes to replace 375 inefficient T8 CFL lamps with LED fixtures throughout the County's Detention Center in Jessup. Reduction of annual electricity consumption is expected to reach 121,996 kWh, saving the County roughly $12,199 in annual costs.

Howard County #4 – $50,000
Project #4 involves a limited retro-commissioning of the HVAC system in the County's Carroll and Ligon Buildings, which are separate facilities that use one shared HVAC system. It is expected that these efficiency measures will result in annual energy savings of 170,000 kWh and cost savings of $17,000 per year.

Howard County #5 – $55,000
Project #5 also involves a limited retro-commissioning of the HVAC system, this one in the County's George Howard building. It is expected that these efficiency measures will result in annual energy savings of 160,000 kWh and cost savings of $16,000 per year.

Howard County #6 – $55,000
Project #6 also involves a limited retro-commissioning of the HVAC system, this one in the County's Warfield building. It is expected that these efficiency measures will result in annual energy savings of 50,000 kWh and cost savings of $5,000 per year.

Howard County #7 – $36,000
For Project #7, the County seeks funding to support the costs (at $6,000 each) of purchasing six EV charging stations for its administrative fleet. Each station will have two charging ports, so there will be 12 charging ports in all.

Montgomery County – $55,000
The Montgomery County project proposal involves a retro-commissioning of HVAC systems in 17 county facilities. This county-wide effort (called MBCx-17) will identify and implement roughly 150 low-cost energy conservation measures and it has major funding support from Montgomery County's operational budget. It is expected that these measures will result in annual energy savings of up to 3,439,000 kWh and cost savings of up to $378,302 per year.

New Carrollton – Prince George's – $55,000
New Carrollton is requesting funding to support the purchase of a 190 kW solar PV roof-top system for its Municipal Center at 6016 Princess Garden Parkway. It is expected that this project will produce about 239,142 kWh annually and provide annual savings of roughly $20,693.

Rockville – Montgomery – $55,000
The City of Rockville proposes to follow upon an MSEC FY21 grant project involving energy efficiency measures on the 2nd floor of its City Hall building by installing three efficiency measures on the 3rd floor of the building. These measures will include lighting fixture retrofits, window film on south-facing windows, and occupancy controls and sensors. Reduction of annual electricity consumption is expected to reach 139,451 kWh, saving the County roughly $16,734 in annual costs.

Salisbury – Wicomico – $34,896
The City of Salisbury seeks funding to continue previous MSEC grants to replace its city street lights with LED fixtures. This year's effort involves retrofitting another 90 fixtures around the City. Annual electricity consumption is expected to be reduced by 47,800 kWh, saving roughly $2,390 in annual electricity costs.

Sykesville – Carroll – $7,500
The Town of Sykesville has applied for funding to support the purchase of an electric vehicle for its police department. The Town proposes to purchase a longer range EV for this purpose, replacing an older police GPV that will be retired and resulting in reduced annual fuel consumption of 1,000 gallons and cost savings of $2,900.

Taneytown – Carroll – $42,380
The City of Taneytown requests funding to retrofit the lighting system (52 metal halide fixtures) for its baseball field at the public Memorial Park on Park Drive. It is expected that annual energy reductions will be approximately 51,220 kWh and cost savings will be $5,815.

Thurmont – Frederick – $53,010
The Town of Thurmont proposes to utilize MSEC funding to retrofit 93 (or half of the total 186) existing metal halide street lights in its Gateway subdivision. This effort is expected to reduce electricity consumption by 66,295 kWh annually, saving the Town $5,667 per year.

Westminster – Carroll – $55,000
The City of Westminster proposes to retrofit lighting fixtures in numerous facilities. Reduction of annual electricity consumption is expected to reach 384,030 kWh, saving the City roughly $49,924 in annual costs.

New MSEC Communities, Grant Amounts and Project Descriptions

Havre de Grace – Harford – up to $40,000
The City of Havre de Grace agrees to adopt energy efficiency and renewable energy policies, to complete an energy baseline and an action plan, in accordance with requirements for participating in the MSEC program and receiving funds for clean energy projects. The City proposes to utilize MSEC funding to perform an inventory of its indoor and outdoor lighting systems, and to commence on a five-year plan to replace all lighting systems with LED fixtures.

Keedysville – Washington – up to $20,000
The Town of Keedysville agrees to adopt energy efficiency and renewable energy policies, to complete an energy baseline and an action plan, in accordance with requirements for participating in the MSEC program and receiving funds for clean energy projects. The Town proposes to utilize MSEC funding to perform an energy audit of its facilities, to consider replacing streetlights, and to consider a future potential roof-top solar PV system on its Town Hall.

Luke – Allegany – up to $20,000
The Town of Luke agrees to adopt energy efficiency and renewable energy policies, to complete an energy baseline and an action plan, in accordance with requirements for participating in the MSEC program and receiving funds for clean energy projects. The Town proposes to utilize MSEC funding to perform an energy audit of its facilities, to consider replacing streetlights, and to consider a future potential roof-top solar PV system on its Town Hall.

** Note, New MSEC communities adopt energy policies and produce energy plans first, so their 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.*