PURPOSE

Provide electrical power during grid outages until emergency support services can be provided

The program will incentivize, but not fully pay for development of the resiliency hub
REQUIREMENTS

- Must include solar plus energy storage
- Capable of islanded operations
- 50% probability of lasting 5 days at required loading
- May have backup AC or DC generator (if needed)
- Guarantee participation for at least 5 years
REQUIREMENTS

- Be within walking distance of serviced neighborhood
- Lighting for safety and security
- Plug loads (cell phones, computers, medical equipment)
- Refrigeration for temperature sensitive drugs
- Heating/cooling to prevent serious health effects
Incentive

- $2,000 per kW of required solar
- Up to $1,000 to offset county review charges for integration into the emergency plan
- $501,000 cap per project
Arrays may be owned, PPAs or Community Solar
Solar energy and battery use are free to the resiliency hub when the grid is down
Energy storage must be >95% before conditions capable of producing a grid outage
PROPOSAL REQUIREMENTS

- Site justification (LMI demographics)
- Site location (reason for specific building)
- County acceptance (initial discussions)
- System sizing (details and modeling)
- 1-line diagram of contemplated system
PROPOSAL REQUIREMENTS

Project timeline
Plan for hub operations and maintenance
Estimate of total cost
Request for grant funding
Application form identifying (site owner, site operator, system owner)
FUNDING

- $10,000 after engineering study
- Up to 55% of total grant amount when ordering equipment
- Remaining funds after “Permission to Operate”
Information on Maryland Energy Administration programs can be found at: www.energy.Maryland.gov
