

# Maryland Energy Administration Resiliency Hubs

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Administration



# 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



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# 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



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# USE

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



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# 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”



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# MORE INFORMATION

Information on Maryland Energy Administration programs can be found at:

[www.energy.Maryland.gov](http://www.energy.Maryland.gov)

Resiliency hub page:

<https://energy.Maryland.gov/Pages/Resiliency-Hub.aspx>



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A large blue crab is crawling across a surface of vertical, weathered wooden planks. The crab's shell is a mottled greenish-blue, and its legs and claws are a vibrant blue with orange-tipped pincers. A white speaker icon with three radiating lines is positioned near the crab's right claw, suggesting audio content.

# Maryland Energy Administration

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