



## **Maryland Resiliency Hub Grant Program - \$1 Million Awarded to Three Organizations**

During Fiscal Year 2021 (FY21) the [Maryland Energy Administration \(MEA\)](#) provided \$1 million in awards to build new solar plus energy storage resiliency hubs at three locations in Baltimore City. These projects were conceptually designed under a FY20 grant to Groundswell, Inc. under MEA's [Resilient Maryland Program](#). Each of the three resiliency hub projects will be able to isolate from the grid when the grid is down, and are designed to have at least a 50% probability of lasting a full 3 days with all critical loads being energized. Funding for these projects was made possible by the MEA [Resiliency Hub Grant Program](#) which was funded by the [Strategic Energy Investment Fund](#).

The Resiliency Hub Grant Program supports costs associated with the design and construction of solar plus energy storage microgrids on buildings in high density, Low and Moderate Income (LMI) neighborhoods. During periods of grid outage, the solar plus energy storage system (with or without emergency generator) will be used to provide a no-cost resiliency center for the surrounding neighborhood. During grid operation, the solar and energy storage resources may be operated to reduce the cost of electricity to the hosting site.

Resiliency hubs are designed to provide emergency heating and cooling capability; refrigeration of temperature sensitive medications and milk from nursing mothers; plug power for charging of cell phone and computer batteries; certain durable medical equipment, as well as emergency lighting. Resiliency Hubs may also be designated locations (by the city, county, or state) for the distribution of emergency services during extended grid outages.

The three sites selected to receive Resiliency Hub Grants were:

City of Refuge, located at 3501 7th Street in Baltimore, will receive a 110- kW solar system (split between rooftop and a solar canopy), as well as a 430-kWh battery system. This facility will serve as a hub in Baltimore City's Community Resiliency Hub program.

Empowerment Temple, located at 4217-4221 Primrose Ave in Baltimore, will receive a 120-kW rooftop solar system paired with a 450-kWh battery system. This facility will also serve as a hub in Baltimore City's Community Resiliency Hub program.

Miracle City Church, located at 100 S. Rock Glen Road in Baltimore, will receive a 110-kW solar system (split between rooftop and a solar canopy), as well as a 420-kWh battery system. As with the other two projects, this facility will serve as a hub in Baltimore City's Community Resiliency Hub program.

Sun Light Old Line Solar II, LLC will own each of the solar and battery systems, selling electricity to the site at a predetermined price. However, when the grid is down, the energy provided by the solar and battery systems are provided without charge to the associated resiliency hub. Groundswell, Inc. developed the projects with the technical assistance of A.F. Mensah. This is the second year of the Resiliency Hub Grant program.

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The [Maryland Energy Administration \(MEA\)](#) advises the governor and general assembly on all energy matters. MEA develops and administers programs and develops policy to support and expand all sectors of Maryland's

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