Massachusetts Department of Energy Resources -
Community Clean Energy Resiliency Initiative: Round 2 Project Implementation Awards

Applicant	Project Title	Grant Amount	Brief Description	Factility(ies)	Technology(ies)
Barnstable	**Cogeneration Plant at Barnstable Intermediate School**	$ 406,000	Islanding equipment for a 60kW CHP system to support town's emergency shelter with both electric and thermal power.	Barnstable Intermediate School	Islandable CHP
Boston	**BMC Menino Campus CHP Plant Project**	$ 3,680,000	Engineering, controls, electrical switchgear and wiring required for a 2MW CHP system black start at BMC and interconnection of city emergency communications infrastructure system.	BMC, Emergency communications	Islandable CHP
Cambridge	**Cambridge Water Supply Resilience**	$ 851,868	Battery storage to complement the planned 170kW solar PV system and other equipment to enable the system to island during an outage event.	Sullivan WTP	Islandable PV + Storage
Chelmsford	**McCarthy Middle School, Emergency Power Generation**	$ 74,941	Retrofit exisitng solar PV to provide emergency generation in island mode. Provide automated controls for grid and island mode.	McCarthy Middle School	Islandable PV + NG generator
Cape & Vineyard Electric Cooperative	**Dennis-Yarmouth High School Regional Shelter**	$ 1,479,193	Incorporation of two PV systems (641kW and 715kW, both VNM) with battery back-up, an energy management system and islanding equipment.	Dennis-Yarmouth High School	Islandable PV + storage

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Greater Lawrence Sanitary District	**Organics to Energy**	$ 4,389,000	GLSD is aiming to develop an islandable and black start capable self-sustaining wastewater treatment facility. Project funding will support different aspects of the following: biogas metering, monitoring, collection and safety improvements, high pressure transfer pumps, an outside waste acceptance and blending tank, two 1550 kW CHP units, electrical feeds from the main plan to the pump station as well as the addition of a fourth anaerobic digester.	Wastewater treatment plant	Biogas storage, dual fuel CHP, anearobic digestors
Greenfield	**Greenfield Resiliency Plan for High School**	$ 367,310	Battery storage to complement the planned solar PV system and other equipment to enable the system to island during an outage event.	Greenfield High School	Islandable PV + storage
Holyoke	**Resiliency at Holyoke Facilities - Fire HQ, Mt. Tom Tower, Dean School**	$ 1,013,794	Battery storage to complement the planned solar PV system and other equipment to enable the system to island during an outage event.	Fire HQ, Mt. Tom Tower, Dean School	Islandable PV + storage + wind at Mt. Tom
MAPC - Beverly	**Energy Resiliency at Beverly Regional Cache Site**	$ 526,180	Battery storage to complement the planned solar PV system and other equipment to enable the system to island during an outage event.	Beverly Regional Cache Site	Islandable PV + storage
MAPC - Wayland	**The MAPC Solar Resiliency Project**	$ 264,627	Islanding capability and advanced switches that will augment a proposed PV carport at the school that would allow solar to decrease the burden on the diesel back-up during an event.	Wayland Middle School	Islandable PV + diesel generator

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Medford	**Medford Resiliency Project**	$ 833,366	Battery storage to complement the planned solar PV systems and other equipment to enable the system to island during an outage event at two sites in Medford.	DPW and Andrews Middle School	Islandable PV + storage
Northampton	**Micro-grid with island-able PV at Smith Vocational and Agricultural High School, Northampton DPW and Cooley Dickinson Hospital**	$ 3,078,960	A microgrid with on-site renewable energy and batterty storage to serve the interconnected facilities during an outage.	Smith Vocational and Agricultural High School, Northampton DPW and Cooley Dickinson Hospital	Microgrid - solar PV, battery, poss other generation at CDH
Sterling	**Implementing a Resiliency Plan through Clean Storage for a Municipal Microgrid**	$ 1,463,194	Battery storage project would deliver multiple layers of resiliency benefits to the Sterling community. First, it would be designed to ensure that the battery array is sized to allow for islanding of critical services within the Sterling police station and dispatch center. Second, the battery array will be used daily to provide real-time demand response, frequency regulation services, and off-peak to on-peak load shifting to increase the resiliency of Sterling's solar-reliant microgrid.	Police and Communication Facility	Utility scale battery storage
Total		**$ 18,428,433**			