

Applicant	Contact	Critical Facility	Technology Considered	Project Description
Acton	Dean Charter dcharter@acton-ma.gov	Public safety building	PV/Battery/CHP/Absorption Chiller	The project is looking to incorporate solar PV with storage at the public safety building and the DPW. The consulting team will also explore whether natural gas is available at the public safety building and if so, whether (small) natural gas CHP and absorption chilling would be suitable there and will focus on powering the fueling capability as the critical load at the department of public works.
		Department of Public Works	PV/Battery	
Acton Boxborough Regional School District	Kate Crosby kcrosby@abschools.org	High School - Shelter	Biomass heating/ CHP/PV/Storage	The project goal is to determine the feasibility of adding inverters, controls and battery storage to two facilities (schools serving as shelters during emergencies) with existing PV arrays. The consulting team will look at the feasibility of incorporating CHP or renewable thermal generation where it might be applicable.
		RJ Grey Junior High School - Shelter	Biomass heating/ CHP/PV/Storage	
Amherst/Umass	Stephanie Ciccarello ciccarellos@amherstma.gov	Microgrid: Wastewater treatment plant, Fire Station, Champion Center	CHP/PV/Battery	This project is looking to enhance the existing UMass Microgrid with the goal of potentially adding three facilities to existing CHP microgrid and considering the incorporation of solar PV and storage to the system.
Andover	Janet Nicosia jnicosia@andoverma.gov	Water treatment plant	NG Turbines	The project will explore resilient clean energy generation sources to serve the critical loads at the water treatment facility and examine an on building solar power system with storage in order to provide community services at the Center at Punchard (Andover Senior Center). Natural gas CHP generator may also be included in the plan for the Center to augment heat and power during an emergency for continuous service.
		Senior Center - Shelter	CHP/Absorption Chiller	
Barnstable	David Anthony david.anthony@town.barnstable.ma.us	Middle School - Shelter	CHP	Technical assistance would review the Barnstable Intermediate School, the town's emergency shelter, for islandable and black start natural gas cogeneration.
Beverly-MAPC	Ani Krishnan akrishnan@mapc.org	Regional emergency supply cache site	PV/Battery	This project at the Beverly Cache Site, looks to primarily explore the potential of i) implementing on-site renewable energy generation such as solar PV or solar thermal, ii) energy storage options, and iii) assessing the feasibility of islanding mechanisms such as EMS upgrades that would allow any renewable energy generation sources to be used to power the four critical facilities in the event that the power grid is not operational.
Boston	Joe Larusso joseph.larusso@boston.gov	Microgrid: Boston Medical Center	CHP	The City of Boston has two project goals for technical assistance: exploration of a 2 MW CHP at Boston Medical Center, potentially tied to the adjacent emergency communication infrastructure in a microgrid configuration; and analysis of converting an existing CHP system at a Boston public school to synchronous generation that would be able to black start and island from the grid.
		Madison Park High School - Shelter	CHP/PV/Battery	
Cambridge	John Bolduc jbolduc@cambridgema.gov	Sullivan water treatment plant	PV/Battery	The City of Cambridge seeks to improve resiliency at the Sullivan Water Treatment Plant (which also serves as the Emergency Operations Center) and Cambridge Rindge and Latin School, two critical facilities for the city. The technical assistance would consider technology options to serve the WTP and look to add to existing solar at the school with the further addition of storage while considering the possibility of incorporating natural gas CHP.
		Cambridge Rindge & Latin School	CHP/PV/Battery	

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Chicopee	Jeff Cady jcady@celd.com	Safety Complex	CHP/PV/Battery	Chicopee would like to examine the use of solar PV + storage and/or CHP (either biomass or natural gas, depending on availability) for critical power services during an outage as well as for peak shaving purposes on blue sky days. The technical assistance consulting team will work with the municipality to determine exactly which facilities to examine.
		Wastewater treatment plant	CHP/PV/Battery	
CVEC	Liz Argo largo@cvecinc.org	High School - Shelter	PV/Battery	The CVEC project plans to bring battery backup, energy management and islanding equipment to the DY Regional High School solar project thereby supporting the designated regional emergency shelter.
Falmouth	Marcel Sanchez msanchez@falmouth.k12.ma.us	High School - Shelter	PV/Wind/Battery/CHP	The goals of the project are to determine the best battery storage unit and interface with renewable energy system available that can provide back up power for the shelter and also provide voltage regulation for the incoming power to the school, as there are frequent power surges and irregularities that impact the equipment at the school.
Greenfield	Carole Collins energy@greenfield-ma.gov	Wastewater treatment plant	AD/CHP or Gas Turbine	The Town's new high school (LEED certified) is being constructed to accept a 150kW PV array on the roof as well as employ energy management systems that are already programmed to serve identified critical areas in the event of a power outage. This facility is identified as a community shelter and the new capacity can serve the community in a central location. The systems are already in place to harden the high school into becoming a black-start capable, islandable renewable energy generating shelter to meet the community's emergency needs so this is an excellent candidate for resiliency under the Initiative. Greenfield would also like to look at the possibility of adding resiliency to its wastewater treatment plant.
		High School - Shelter	PV/Battery	
Holyoke	Claire Ricker rickerc@holyoke.org	Dean School - Shelter	PV/Battery	Holyoke provided an extensive prioritized list of critical facilities to consider resiliency the TA support will evaluate the most viable of these and model appropriate solutions.
		Fire Station	PV/Battery	
		Mt. Tom Tower	PV/Battery/Wind	
Lawrence	Brian Pena bpena@CITYOFLAWRENCE.COM	Water treatment plant	PV/Battery	Lawrence is pursuing technical assistance to explore the possibility of solar islanding at the water treatment facility, through the addition of battery storage, inverters and the identification of critical loads. The intended outcome of the technical assistance is to augment, complement, and/or remove the need for the current 1250kW diesel backup generator.
Leverett	Marjorie McGinnis townadministrator@leverett.ma.us	Public safety building	PV/Battery	Leverett proposes to utilize this grant to help decide the best way to create a renewable back-up energy source for two critical facilities (the safety complex and the elementary school), creating better resiliency during emergency events and reducing the Town's use of fossil fuels during these events. A 15kW solar installation has recently been installed between the buildings, which will serve the safety complex.
		Elementary School - Shelter	PV/Battery/Biomass CHP	

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Lincoln/Wayland- MAPC	Cammy Peterson cpeterson@mapc.org	Public safety building	PV/Battery	This MAPC regional resiliency project comprised of Wayland and Lincoln – neighboring communities that have worked together often – invites the possibility of greater shared services, both in public safety resiliency and in community sheltering. MAPC seeks to gain technical assistance for the exploration of islanding capability, advanced switches, and/or battery storage in the planned solar installations at these critical facilities.
		Middle School - shelter	PV/Battery	
Medford	Alicia Hunt ahunt@medford.org	Medford City Hall	PV/Battery	Medford provided an extensive prioritized list of critical facilities to consider resiliency the TA support will evaluate the most viable of these and model appropriate solutions. Priorities have been made to look at public safety and community resources (fire station, DPW, school as a shelter).
		Department of Public Works	PV/Battery	
		Andrews School - Shelter	PV/Battery	
Melrose	Martha Grover mgrover@cityofmelrose.org	Microgrid: City Hall, Main St. Fire Station, Memorial Hall - Shelter	PV/Battery (solar canopy)	Melrose City Hall, Main Street Fire Station, and Memorial Hall are located in a row on Main Street in downtown Melrose. The City requests technical assistance to explore the possibility of installing a combined heat and power (CHP) system and/or a microgrid system that would energize all three facilities in the event of an extended power outage.
New Bedford	Scott Durkee scott.durkee@newbedford-ma.gov	High School - Shelter	CHP/PV/Storage	Technical assistance through this program constitutes a first step in long term community microgrid plan. This step involves establishing detailed designs and cost proposals for on-site generation and associated grid components for selected critical facilities and verifying feasibility and content of the phased roadmap for the city and community facilities.
		City Yard	Interconnect w/ High School	
		Hillman Complex	CHP/PV/Storage	
Newton	Rob Garrity rgarrity@newtonma.gov	Waban Comms Facility	PV/Battery	Newton is seeking technical assistance to determine the proper sizing for the battery system and appropriate control technologies, as well as the optimal solar array size for a generation unit at the emergency communications site adjacent to the Waban Hill reservoir. A second project would consist of creating an islandable system at the Newton City Hall, allowing the building to continue to provide services in the case of prolonged power outages.
		City Hall	PV/Battery	
Northampton	Chris Mason cmason@northamptonma.gov	Microgrid: High school - shelter, Department of Public Works, Hospital	CHP/PV/Battery	Northampton is interested in exploring the potential of a micro-grid that would incorporate existing PV and biomass CHP with battery storage and potential additional natural gas CHP.
Sandwich	Brian Gallant bgall3473@aol.com	High School - Shelter	CHP/PV/Battery	Sandwich is considering energy resiliency at its high school (shelter) and human services building (emergency operations center). The municipality is open to any technology recommendations that may come out of the technical assistance offered.
		Emergency Operations Center	PV/Battery	
Saugus	Robert Luongo rluongo@saugus-ma.gov	Senior Center - shelter	PV/Battery	Saugus is requesting technical assistance support to look at clean energy generation to support the public safety building and senior center (shelter). The municipality is open to RE (electric and/or thermal) and CHP.
		Public safety building	PV/Battery	
Scituate	Albert Bangert abangert@scituatema.gov	Public safety building	PV/Battery	Scituate is looking to add energy resiliency to the town's new emergency management complex to be constructed on Chief Justice Cushing Highway. This facility will combine police and fire services, join emergency 911 dispatch response, and an emergency command center.

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Shirley	Bryan Dumont bgd123@comcast.net	Police Department	Biomass/PV/Battery	Shirley is considering options for the police station. The primary focus is geothermal energy, but other technologies may need to be considered by the consulting team to support electricity generation at the facilities.
Somerville	Oliver Sellers-Garcia ogarcia@somervillema.gov	Public safety building	PV/Battery	Somerville's intended outcomes from technical assistance are: 1) A tested process for identifying, evaluating and prioritizing resiliency strategies with mitigation benefits, singly and in combination, as the City prepares to improve all of its critical buildings; 2) Readiness to apply to DOER for implementation project funding for the three critical pilot buildings as the next step in using these three buildings as test cases for increasing climate resilience in all Somerville buildings; and 3) A much clearer understanding of feasibility, scope and timing for implementing adaptation and mitigation strategies city-wide.
		Early Childhood Center	CHP/PV/Battery	
		Department of Public Works	PV/Battery	
West Boylston	Jonathan Fitch JFitch@wbmlp.org	Microgrid: 3x schools, DPW, Fire Dept., Library	Fuel Cell	West Boylston is very interested in exploring a 1.5-2MW natural gas powered microgrid. This would connect all of the town's critical facilities in a configuration that could island during a broader outage and ensure that all critical loads are served during an outage.