



Massachusetts GAP III Energy Grant 2022 Grant Awardees

Date January 3, 2023

Table 1: Grant awards to Drinking water and Wastewater Utilities

Entity	Region	Project Description	Electric Utility Provider	Gap Grant Award (\$)
Adams (WW)	WERO	Upgrading of three mechanical aerators in aeration basin #2, with new variable frequency drives and dissolved oxygen instruments. Replacing two old water pumps with new efficient pumps.	National Grid	172,286
Auburn (WW)	CERO	Installing (4) 75 horsepower variable frequency drives (VFDs) to the Holstrom Court wastewater pump station and installing (4) 100 horsepower variable frequency drives (VFDs) to the Sword Street wastewater pump station.	National Grid	200,000
Braintree (DW)	SERO	Installing weatherization and building envelope energy efficiency measures (windows, walls, roof) during the construction of the new Tri-Town drinking water treatment plant serving Braintree, Holbrook and Randolph.	Braintree Electric Light Department	182,179

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Buckland (WW)	WERO	Installing a 49.9 kW rooftop and ground-mounted solar photovoltaic system and replacing the existing electric resistance heating system with an air-source heat pump. The project is estimated to result in a 36% reduction in total energy consumption.	Eversource	184,625
Burlington (WW)	NERO	Installing a 66.1 kW rooftop photovoltaic system in combination with new weatherization and window stripping measures at the Mill Pond water treatment plant.	Eversource	177,805
Charlton (WW)	CERO	Replacing the existing natural gas-fired HVAC and dehumidifier in the processing area with an electric water source heat pump system. Fuel switching project will result in ~ 11.5% reduction in total energy usage.	National Grid	53,494
Chicopee (WW)	WERO	Replacing a total of 16 outdated and inefficient pumps and several new variable frequency drives at the wastewater treatment plant.	Chicopee Municipal Lighting Plant	200,000
Dartmouth (WW)	SERO	Installing an Energy Management System and two ductless heat pumps in the lab area at the wastewater treatment plant.	Eversource	87,032
Deerfield (WW)	WERO	Replacing the single existing aging and inefficient floating aerator with four energy efficient floating aerators and two floating mixers.	Eversource	179,173
Easthampton (WW)	WERO	Replacing four aging mechanical aerators with new energy efficient aerators equipped with variable frequency drives at the wastewater treatment plant.	Eversource	179,173

Entity	Region	Project Description	Electric Utility Provider	Gap Grant Award (\$)
Edgartown (WW)	SERO	Replacing three primary sludge and three secondary waste pumps at the wastewater treatment plant.	Eversource	200,000
Essex (WW)	NERO	Replacing the existing 40-year-old boiler high-efficiency condensing boiler; replacing the original, 75kVA electrical transformer. Installing variable frequency drives to wastewater pumping stations #1 & #4.	National Grid	109,499
Franklin (WW)	CERO	Replacing existing pumps & installing variable frequency drives at the Grove Street #1 and 2, and Milliken wastewater lift stations.	National Grid	110,113
Gloucester (DW)	NERO	Installing VFDs, motors, and SCADA controls at two locations.	National Grid	80,203
Groton (DW)	CERO	Installing solar panels at new water treatment facility.	Groton Electric Department	103,500
Haverhill (DW, WW)	NERO	Installing VFDs, motors, and lighting at two locations.	National Grid	33,465
Hull (WW)	SERO	Upgrading five existing influent pumps with four new dry pit submersible pumps and associated influent force main piping.	Hull Municipal Light	90,000
Ipswich (WW)	NERO	Replacing the existing blowers with four 50 hp blowers (three duty plus one standby) and replacing the fine bubble diffuser system.	Ipswich Municipal Light Department	191,512
Leominster (WW)	CERO	Replacing three transformers at the WWTP. Installing new heat pumps and performing a facility wide update to the weatherization and sealing of the perimeter of the building.	National Grid	88,783

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Lowell (WW)	NERO	Replacing 11 transformers at the Wastewater Treatment Plant (WWTP) with high efficiency transformers.	National Grid	47,687
Manchester-by-the-Sea (WW)	NERO	Replacing all four (4) of the exiting dissolved oxygen (DO) probes with new probes, and upgrade of the SCADA systems and controls that regulate DO and blower speed in each of the four (4) aeration basins.	National Grid	60,671
Massachusetts Water Resources Authority (DW)	NERO	Installing air source heat pumps at the Canton wastewater pump station and water source heat pumps at the Brookline water pump station along with Smart thermostats.	Eversource	96,053
Maynard (WW)	CERO	Replacing an old oil-fired standard efficiency hot water boiler with a high efficiency (HE) 3-Pass boiler and new air separator and pumping systems as required.	Eversource	89,075
Melrose (WW)	NERO	Installing variable frequency drives on two pumps at both the Fellsway and Upham pump stations.	National Grid	19,833
Millbury (WW)	CERO	This project is a combination of 3 measures: adding an approximate 100 HP pony pump, adding pump coating, and increasing/adjusting tank floats.	National Grid	200,000
Montague (WW)	WERO	Upgrading the existing coarse bubble diffused aeration system to a fine bubble diffused aeration system.	Eversource	75,375

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Natick (DW)	NERO	Installing variable frequency drives (VFDs) on air stripper fans, replacement of electric heaters with air-source heat pumps, and replacement of fluorescent lights with LEDs.	Eversource	105,210
Orange (WW)	WERO	Aeration upgrades include replacement of two 50 HP positive displacement blowers with two 35 HP energy efficient hybrid mixers/blowers.	National Grid	188,345
Orleans (DW)	SERO	Upgrading/optimizing the HVAC at the Water Treatment plant with a split air-cooled system, two FCUs, two dehumidifiers, and supplemental heating. Addressing ventilation needs in the chemical and electric rooms.	Eversource	104,876
Pittsfield (WW)	WERO	Installing three reciprocating engines and a new gas conditioning skid in the WWTP CHP system. This clean energy project has an estimated 35% reduction in electric utility bill.	Eversource	200,000
Plymouth (WW)	SERO	Installing Sequential Batch Reactor Instrumentation and a variable frequency drive at the wastewater plant.	Eversource	97,795
Rockport (DW, WW)	NERO	Installing VFDs and update program controls at two pump stations; installing VFDs, installing temperature switches, and installing a heat pump motor at the WWTP; and replacing a low-lift pump and repairing a discharge head at the DWTP.	National Grid	107,483
Rutland (DW, WW)	CERO	Installing VFDs at the WTP and five pump stations; removing Parco valves at the WTP; and replacing water pump motors at two pump stations.	National Grid	86,859

Entity	Region	Project Description	Electric Utility Provider	Gap Grant Award (\$)
Scituate (WW)	SERO	Replacing the aeration blower with high-efficiency compressor blower and replacing the hot water boiler with an efficient condensing hot water boiler at the WWTP.	National Grid	160,735
South Essex Sewage District (WW)	NERO	Replacing five constant speed plant water pumps with five new pumps with variable-speed drives at the wastewater treatment plant.	National Grid	200,000
Stoughton (DW)	SERO	Replacing water pump motors at two pump stations and two lift stations and replacing a natural-gas fueled heater with a 93% efficient condensing unit heater. This fuel-switching project will result in 6,211 kWh saved.	National Grid	92,755
Upper Blackstone Clean Water (WW)	CERO	Replacing the chiller with high-efficiency unit in the administration building and replacing 2 belt filter press feed pumps with 2 new units that reduce the motor horsepower by over 50% at treatment plant.	National Grid	181,211
Weymouth (DW)	SERO	Installing VFDs on the 2 main 50HP high-efficiency finish water pump motors at the drinking water treatment plant.	National Grid	48,200
Whately (DW)	WERO	Installing a 20.16 kW rooftop solar photovoltaic system and upgrading lighting components at the Water Department's Pump House. This clean energy project provides energy savings and increases climate resiliency.	Eversource	67,567
Yarmouth (WW)	SERO	Installing two energy efficient transformers and installing vapor-tight LED fixtures	Eversource	13,787

Table 2: Grant awards to Nonprofit and Small Businesses

Entity	Region	Project Description	Electric Utility Provider	Gap Grant Award (\$)
Allston Brighton Community Development Corp (Nonprofit/Affordable Housing), Allston	NERO	Installation of a 97 kW rooftop solar photovoltaic system at five affordable housing buildings, containing 53 units, in Allston.	Eversource	200,000
Cambridge Community Center (Nonprofit/Food Pantry), Cambridge	NERO	Installation of a 103.2 kW Resilient Power Microgrid system, consisting of 43.2 kW rooftop solar photovoltaic and a 60 kW combination battery power and biodiesel generator system.	Eversource	150,868
Cascap Inc (Nonprofit/Affordable Housing), Newton	NERO	Installation of a 35.3 kW solar photovoltaic and battery storage system at Nonantum Village Place - providing 35 affordable housing units for seniors of limited means in Newton.	Eversource	171,833
Catholic Charities Worcester County (Nonprofit/Food Share Pantry), Southbridge	CERO	Replacing the 40+ year-old oil-fired boiler and tank and installing a new high-efficiency natural gas-fired boiler and hot water system.	National Grid	35,804
Dismas House of Massachusetts (Nonprofit/Agricultural Farm), Oakham	CERO	Replacing the existing pellet and combination oil heating system with an energy-efficient air-source heat pump system.	National Grid	43,146
Elliot Farm LLC (Small business/Agricultural Farm), Lakeville	SERO	Installation of a 68.4 kW solar photovoltaic and battery storage system with an Active Demand Response program with Eversource.	Eversource	200,000
Farmer Dave's LLC (Small business/Agricultural Farm), Dracut	NERO	Installation of a 48kW solar photovoltaic and a geothermal heating and cooling system on its new food processing and commercial kitchen and distribution facility.	National Grid	164,808

Entity	Region	Project Description	Electric Utility Provider	Gap Grant Award (\$)
Heading Home Inc (Nonprofit/Affordable Housing), Dorchester	NERO	Installation of an efficient central Variable Refrigerant Flow heating and cooling system in a new (ENERGY STAR rated), affordable housing multifamily building to house 20 families in Boston.	Eversource	200,000
Hebrew SeniorLife (Nonprofit/Affordable Housing), Brookline	NERO	Installation of a 39.5 kW rooftop solar photovoltaic system and building envelope treatment that will achieve Passive House construction standards.	Eversource	200,000
Home City Development Inc (Nonprofit/Affordable Housing), Springfield	WERO	Installing 4.8 kW rooftop solar array and energy efficiency measures that meet Mass Save All Electric Level 2 Program requirements at a 40-unit affordable townhouse condominium development in Springfield.	Eversource	200,000
Housing Assistance Corp (Nonprofit/Affordable Housing), Bourne	SERO	Installing a 40.3kW rooftop solar photovoltaic system at a 44-unit affordable housing complex designed for families.	Eversource	99,686
Housing Nantucket (Nonprofit/Affordable Housing), Nantucket	SERO	Installation of a rooftop solar photovoltaic system on 22-units of multifamily affordable housing across eight buildings.	National Grid	200,000
Island Housing Trust (Nonprofit/Affordable Housing), Tisbury	SERO	Installation of a 176 kW rooftop solar photovoltaic system and building envelope improvements across five duplexes - providing affordable housing (rental and ownership) to 60 residents and their families.	Eversource	200,000
Nantucket Boys & Girls Club (Nonprofit/Affordable Housing), Nantucket	SERO	Installation of 34.4 kW of rooftop solar photovoltaic arrays on four buildings to provide affordable staff housing and maintain a highly-skilled based workforce.	National Grid	107,726
Natick Community Organic Farm (Nonprofit/Agricultural Farm), Natick	NERO	Installing a 13.2 kW solar photovoltaic system on a new barn.	Eversource	36,511

Entity	Region	Project Description	Electric Utility Provider	Gap Grant Award (\$)
POAH Inc (Nonprofit/Affordable Housing), Weymouth	SERO	Installing a 43 kW solar photovoltaic system at a 20-unit, income-based, multifamily-housing complex.	National Grid	99,240
Stratford Street United Church (Nonprofit/Food Pantry), West Roxbury	NERO	Installing a 27.8 kW rooftop solar photovoltaic system that will complement new heat pumps. The Food Pantry serves 650-800 families/month in Boston and delivers food to veterans outside the City.	Eversource	82,764
The Farm School (Nonprofit/Agricultural Farm), Athol	WERO	Installation of a 15.8 kW rooftop solar photovoltaic system on two barns on the Farm School.	National Grid	124,110
Townsend Ecumenical Outreach (Nonprofit/Food Pantry), Townsend	CERO	Installation of a 38.4 kW rooftop solar photovoltaic system that will jump-start the conversion of their oil furnace to highly-efficient “mini-splits”.	Unitil	130,137
Veterans Benefits Clearinghouse Development Corp (Nonprofit/Affordable Housing), Roxbury	NERO	Perform air sealing to the building envelope and insulate pipes in the boiler; install a variable speed drive on the boiler pumps; and install a 48 kW rooftop solar photovoltaic system for hybrid ownership.	Eversource	192,010
We Grow Microgreens LLC (Small Business/Agricultural Farm), Hyde Park	NERO	Installing a thermal efficiency condensing natural gas boiler with modulating technology to support the in-floor heating system and replace the current conventional boiler.	Eversource	49,408
Young Women’s Christian Assoc of Newburyport (Nonprofit/Affordable Housing), Methuen	NERO	Installation of a 143.5 kW rooftop solar photovoltaic system that will support the new construction of 48 affordable housing units, with Passive House Institute and Energy Star standards, for the lowest income seniors.	National Grid	200,000