

Installed Projects																									
Energy Storage System																				Generation					
DG WR Number	Common Project Name	Policy Source 1	Policy Source 2	Other - Source	Year Procured	Customer Type	City/Town	Technology Type	Other - Technology	Manufacturer	Energy kWh (DC)	Capacity kW (DC)	Energy kWh (AC)	Capacity kW (AC)	Installation Type	Application/ Intended Use #1	Application/ Intended Use #2	Application/ Intended Use #3	Other - Application/ Intended Use	DG WR Number	Storage Co-Located with DG/ Generation?	System Configuration Type	DG/ Generation Type	Capacity kW (DC)	Capacity kW (AC)
02270087		MA - Energy Efficiency/ DR Program			2018	Commercial	N. Dartmouth	Lithium Ion		Tesla (AMS)			390	195	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				Yes	AC Coupled	CHP, Wind, & Solar		
02198478		MA - Energy Efficiency/ DR Program			2017	Commercial	Holliston	Lithium Ion		Sungrow (Stem)			200	100	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No				
02277867		MA - Energy Efficiency/ DR Program			2018	Commercial	Woburn	Lithium Ion		Sungrow (Stem)			250	125	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No				
N/A		MA - Energy Efficiency/ DR Program			2018	Commercial	Boston	Thermal Storage		Ice Energy			80	20	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				Yes		Wind & Solar		
N/A		MA - Energy Efficiency/ DR Program			2018	Commercial	Boston	Thermal Storage		Viking Cold			160	40	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No				
N/A		MA - Energy Efficiency/ DR Program			2018	Commercial	Wilbraham/Springfield	Thermal Storage		Viking Cold			712	178	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No				
N/A		MA - Energy Efficiency/ DR Program			2018	Commercial	Chelsea	Thermal Storage		Viking Cold			216	54	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No				
2116571					2017	Residential	Brewster	Lithium Ion		Tesla			13.5	5						2116571	Yes		Solar		5
2124628					2017	Residential	W Yarmouth	Lithium Ion		Tesla			13.5	5						2124628	Yes		Solar		5
2168703					2016	Residential	Brewster	Lithium Ion		Tesla			6.4	3.3						2168703	Yes		Solar		6
2177462					2016	Residential	Watertown	Lithium Ion		Tesla			6.4	3.3						2177462	Yes		Solar		8
2195614					2017	Residential	N Falmouth	Lithium Ion		Tesla			13.5	5						2195614	Yes		Solar		6
2212394					2017	Residential	E Falmouth	Lithium Ion		Tesla			13.5	5						2212394	Yes		Solar		3
2215132					2017	Residential	Plymouth	Lithium Ion		Tesla			13.5	5						2215132	Yes		Solar		9
2219356					2017	Residential	Medway	Lithium Ion		Tesla			13.5	5						2219356	Yes		Solar		8
2220632					2017	Residential	Chestnut Hill	Lithium Ion		Tesla			13.5	5						2220632	Yes		Solar		9
2223934					2017	Residential	Arlington	Lithium Ion		Tesla			13.5	5						2223934	Yes		Solar		5
2224790					2017	Residential	Westwood	Lithium Ion		Tesla			13.5	5						2224790	Yes		Solar		3
2226090					2017	Residential	Needham	Lithium Ion		Tesla			13.5	5						2226090	Yes		Solar		9
2226319					2017	Residential	Burlington	Lithium Ion		Tesla			13.5	5						2226319	Yes		Solar		10
2226720					2017	Residential	Watertown	Lithium Ion		Tesla			13.5	5						2226720	Yes		Solar		9
2229703					2017	Residential	Wayland	Lithium Ion		Tesla			13.5	5						2229703	Yes		Solar		11
2230685					2017	Residential	Lexington	Lithium Ion		Tesla			13.5	5						2230685	Yes		Solar		13
2231386					2017	Residential	Cambridge	Lithium Ion		Tesla			13.5	5						2231386	Yes		Solar		8
2232943					2017	Residential	Waltham	Lithium Ion		Tesla			13.5	5						2232943	Yes		Solar		5
2233926					2017	Residential	Centerville	Lithium Ion		Tesla			13.5	5						2233926	Yes		Solar		11
2236252					2017	Residential	New Bedford	Lithium Ion		Tesla			13.5	5						2236252	Yes		Solar		6
2236665					2017	Residential	N Dartmouth	Lithium Ion		Tesla			13.5	5						2236665	Yes		Solar		6
2238643					2017	Residential	Bedford	Lithium Ion		Tesla			13.5	5						2238643	Yes		Solar		7
2240567					2017	Residential	Centerville	Lithium Ion		Tesla			13.5	5						2240567	Yes		Solar		9
2242604					2017	Residential	Hopkinton	Lithium Ion		Tesla			13.5	5						2242604	Yes		Solar		10
2247498					2017	Residential	Waltham	Lithium Ion		Tesla			13.5	5						2247498	Yes		Solar		3
2247504					2017	Residential	Newton Hld	Lithium Ion		Tesla			13.5	5						2247504	Yes		Solar		9
2250174						Residential	Marstons Mills	Lithium Ion		Tesla			13.5	5						2250174	Yes		Solar		10
2251464					2017	Residential	Frammingham	Lithium Ion		Tesla			13.5	5						2251464	Yes		Solar		10
2252725						Residential	Natick	Lithium Ion		Tesla			10	5						2252725	Yes		Solar		0
2258128					2018	Residential	Sharon	Lithium Ion		Tesla			13.5	5						2258128	Yes		Solar		12
2258561					2017	Residential	E Falmouth	Lithium Ion		Tesla			13.5	5						2258561	Yes		Solar		10
2260420					2018	Residential	W Harwich	Lithium Ion		Tesla			13.5	5						2260420	Yes		Solar		5
2261482					2018	Residential	Mashpee	Lithium Ion		Tesla			13.5	5						2261482	Yes		Solar		7
2262671					2017	Residential	Watertown	Lithium Ion		Tesla			13.5	5						2262671	Yes		Solar		4
2263833					2018	Residential	Newton	Lithium Ion		Tesla			13.5	5						2263833	Yes		Solar		0
2264618					2018	Residential	Eastham	Lithium Ion		Tesla			13.5	5						2264618	Yes		Solar		6
2266401						Residential	Somerville	Lithium Ion		Tesla			13.5	5					Backup, Solar Self Consumption	2266401	Yes		Solar		4
2273606					2018	Residential	Dedham	Lithium Ion		Tesla			13.5	5						2273606	Yes		Solar		9
2274048					2018	Residential	Winchester	Lithium Ion		LG Chem	10	5	4.875	19.3	BTM	Reliability and Resiliency				2274048	Yes		Solar		8
2282190					2018	Residential	Bourne	Lithium Ion		LG Chem	10	5	4.875	19.3	BTM	Reliability and Resiliency				2282190	Yes		Solar		9

Pipeline Projects																											
Energy Storage System																					Generation						
DG WR Number	Common Project Name	Policy Source 1	Policy Source 2	Other - Source	Interconnection Status	Customer Type	City/Town	Year	Technology Type	Other - Technology	Manufacturer	Energy kWh (DC)	Capacity kW (DC)	Energy kWh (AC)	Capacity kW (AC)	Installation Type	Application/ Intended Use #1	Application/ Intended Use #2	Application/ Intended Use #3	Other - Application/ Intended Use	DG WR Number	Storage Co-Located with DG/ Generation?	System Configuration Type	DG/ Generation Type	Capacity kW (DC)	Capacity kW (AC)	
	Martha's Vineyard					Utility-Owned Distribution	Oak Bluffs		Lithium Ion					20000	4900		T&D Asset Deferral	Reliability and Resiliency		Islanding							
	Cape Cod					Utility-Owned Distribution	TBD		Lithium Ion					38,000	25000		Reliability and Resiliency	Peak Shaving/ Load Leveling	Wholesale Market (i.e., Energy Capacity, Ancillary Services)	Renewable integration, voltage support, power factor control							
		MA - DOER/ MassCEC Funded Projects					New Bedford	2018	Lithium Ion					3000	1500		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Boston	2018	Lithium Ion					1044	520		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Boston	2018	Other - Please explain	latent heat battery				1840	181		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Boston	2018	Lithium Ion					1820	500		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Somerville	2018	Lithium Ion					500	250		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Acton Boxborough	2018	Lithium Ion					4000	2000		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Martha's Vineyard	2018	Lithium Ion					1020	600		Renewable Energy Shifting					Yes	Solar				
		MA - DOER/ MassCEC Funded Projects					Lexington	2018	Lithium Ion					2500	1250		Microgrid										
		MA - DOER/ MassCEC Funded Projects					Amherst	2018	Lithium Ion					4000	1000		Microgrid										
		MA - DOER/ MassCEC Funded Projects					Martha's Vineyard	2018	Lithium Ion					1400	500		Other - Please elaborate	Transit									
02274017		MA - Energy Efficiency/ DR Program				Commercial	N. Dartmouth	2018	Lithium Ion		Tesla (AMS)			650	325	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				Yes	AC Coupled	CHP, Wind, & Solar			
02280855		MA - Energy Efficiency/ DR Program				Commercial	Waltham	2018	Lithium Ion		Tesla (AMS)			1560	780	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Boston	2019	Lithium Ion		Sungrow (Stem)			500	250	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	(2) Sites (EMA & WMA)	2018	Lithium Ion		Sungrow (Stem)			264	132	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	(2) Sites (EMA & WMA)	2018	Lithium Ion		Sungrow (Stem)			264	132	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Boston		Lithium Ion		Sungrow (Stem)			250	125	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Arlington		Lithium Ion		Sungrow (Stem)			500	250	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Boston		Lithium Ion		Sungrow (Stem)			132	66	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Multiple WMA Sites	2018	Thermal Storage		Ice Energy			320	80	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	WMA	2018	Thermal Storage		Ice Energy			240	60	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Winchester	2018	Thermal Storage		Ice Energy			40	10	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	(2) Sites (EMA & WMA)	2018	Thermal Storage		Ice Energy			240	60	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Hopkinton		Thermal Storage		Ice Energy			120	30	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Boston		Thermal Storage		Ice Energy			80	20	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Springfield		Thermal Storage		Ice Energy			80	20	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Boston		Thermal Storage		Ice Energy			80	20	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Plympton	2019	Thermal Storage		Viking Cold			1500	375	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	New Bedford	2019	Thermal Storage		Viking Cold			1172	293	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	New Bedford		Thermal Storage		Viking Cold			76	19	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Boston		Thermal Storage		Viking Cold			1168	292	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	New Bedford		Thermal Storage		Viking Cold			600	150	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	New Bedford		Thermal Storage		Viking Cold			232	58	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
		MA - Energy Efficiency/ DR Program				Commercial	Springfield		Thermal Storage		Viking Cold			520	130	BTM	Peak Shaving/ Load Leveling	Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)				No					
2244400						Residential	Wayland		Lithium Ion		Tesla			13.5	5							2244400	Yes		Solar		5
2247742						Residential	Falmouth		Lithium Ion		Tesla			13.5	5							2247742	Yes		Solar		0
2251238						Residential	Waltham		Lithium Ion		Tesla			27	10							2251238	Yes		Solar		6
2251299						Residential	Newton Ctr		Lithium Ion		Tesla			13.5	5							2251299	Yes		Solar		0
2263583						Residential	Sudbury	2018	Lithium Ion		Tesla			13.5	5							2263583	Yes		Solar		13
2273596						Residential	HOLLISTON		Lithium Ion		Tesla			13.5	5		Wholesale Market (i.e., Energy Capacity, Ancillary Services)			Backup, Solar Self Consumption	2273596	Yes		Solar		8	

REDACTED

Policy Source	Interconnection Status	Customer Type	Technology Type	Installation Type	Application/ Intended Use	Storage Co-Located with DG/ Generation	System Configuration Type
MA - SMART Program	Application Submitted	Residential	Lithium Ion	FTM	Wholesale Market (i.e., Energy, Capacity, Ancillary Services)	Yes	AC Coupled
MA - Energy Efficiency/ DR Program	ISA Issued	Commercial	Lead Acid	BTM	Peak Shaving/ Load Levelling	No	DC Coupled
MA - DOER/ MassCEC Funded Projects	Full Payment Received	Utility-Owned Transmission	Sodium Chemistry		Generation Support (e.g., Peaker Replacement)		
MA - Section 83 (c) or 83 (d)		Utility-Owned Distribution	Flow Battery		T&D Asset Deferral		
Utility-Owned Storage - R&D			Pumped Hydro		Power Quality (e.g., Voltage/VAR Support)		
Utility-Owned Storage - T&D			Compressed Air Energy Storage		Customer Bill Savings (e.g., Demand Charge Management, TOU Arbitrage)		
Other			Thermal Storage		Renewable Energy Integration (e.g., Ramping, Smoothing)		
			Flywheel		Renewable Energy Shifting		
			Ultracapacitor		Reliability and Resiliency		
			Other - Please explain		Microgrid		
					Other - Please elaborate		