

Impacts of Dual-Use Solar on Crop Productivity and the Agricultural Economy in Massachusetts and Beyond

Description and Status of Solar Arrays and Site Trials

(Not all projects will participate in this research project - final list TBD)

Business and Farm			Dual-Use Technology			Site Status		
Solar Developer	Property Owner	Project Location (MA Town)	Commodity(ies)	PV Capacity for Full Array	PV Technologies Used	Anticipated Construction Completion	Site Trial Activity	Links to Site Photos for Completed Arrays
AES (project owner), BlueWave Solar (project developer), official project entity name is "BWC Lake Ripple, LLC"	Knowlton Farms Nominee Trust (Paul Knowlton, Kimberly Scofield and Patricia Knowlton Trustees)	Grafton	Winter squash, lettuce	0.33 MW DC	Fixed-Tilt (SE facing) + Bi-Facial Panels	Mechanically complete 2021	Preliminary site monitoring Agricultural Year 2022; full site trial monitoring anticipated AY 2023.	Grafton site vegetable crops
			Grazing	2.8 MW DC	Fixed-Tilt (SE facing) + Bi-Facial Panels	Mechanically complete 2021	Preliminary site monitoring Agricultural Year 2022; full site trial monitoring anticipated AY 2023.	Grafton grazing site cover crop
BlueWave Solar. Project entity name is "BWC Greene Brook, LLC"	JEC Nominee Trust, James E. Cabral, Trustee (farming operation called Cabral Farms, Inc.)	Dighton	Squash	3.9 MW DC	Single-Axis Tracker + Bi-Facial	Spring 2023	TBD	
PineGate Renewables	Solar Carver 1, LLC (formerly Weston & Wainio)	Carver	Cranberry	10 MW DC	Single-Axis Tracker; Battery Storage	Summer/Fall 2023	TBD	
PineGate Renewables	Solar Carver 3, LLC (formerly Perry, Shores, Wainio)	Carver	Cranberry	3.5 MW DC	Single-Axis Tracker; Battery Storage	Summer/Fall 2023	TBD	
Greenbacker (project owner), NextSun Energy (project developer), project under the name of "Ring Road Solar,	Dunham, Correira (potential project sale to Greenbacker Capital)	Plympton	Cranberry	6.2 MW DC	Single-Axis Tracker; Battery Storage	Summer/Fall 2023	TBD	
Sun Bug	Reddy Fox Farm	Monson	Hay	250 kW	Fixed Tilt	completed 2020	Preliminary site monitoring Agricultural Year 2022; full site trial monitoring anticipated AY 2023.	Monson site agrivoltaics
Hyperion Systems	Czajkowski	Hadley	Vegetables	388 kW DC	Fixed Tilt, Post Driven Mounting	Spring 2023	TBD	

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