

# COMMERCIAL & MULTI-FAMILY SOLAR HOT WATER GRANTS



## Wheaton College's athletic pool is 81° with Solar Hot Water

The Wheaton College solar hot water system features 1,248 square feet of SunEarth flat plate collectors on the roof of the Haas Athletic Building. The collectors deliver heat for the swimming pool and the hot water needs throughout the building, including the locker rooms. With a \$87,410 grant from the Massachusetts Clean Energy Center, Wheaton College hired Renewable Energy Systems, LLC of Cohasset to design and install the system, which was completed in August 2017. The system is projected to save over 3,900 therms annually or approximately 40% of the facility's demand for water-heating.



## System Requirements and Eligibility

1. System must serve a year-round domestic hot water or process heat load.
2. Solar collectors must be certified to the OG-100 or OG-300 standard by the Solar Rating and Certification Corporation (SRCC).
3. Property must be located in the Massachusetts electric service territory of Eversource, National Grid, Unitil, Ashburnham MELP, Holden MLD, Holyoke Gas & Electric, Russell MLD, or Templeton Municipal Light.
4. Project economics will be evaluated against MassCEC's cost effectiveness criteria. (see section 2.4 of the Program Manual <http://bit.ly/manualSHW>)

## Grant Calculation

	Standard Rebate	Non-Profit/Public Entity Rebate	Affordable Housing Rebate
Base Rebate Formula	SRCC OG-100 rating x # of collectors x \$50	SRCC OG-100 rating x # of collectors x \$100	SRCC OG-100 rating x # of collectors x \$135
Base Rebate Adders	If applicable: + Solar PV Co-location adder (\$500)		
Maximum Rebate before Metering	30% of Eligible Project Costs, limited to \$100,000	50% of Eligible Project Costs, limited to \$100,000	75% of Eligible Project Costs, limited to \$100,000
Metering Adder	100% of metering equipment costs, limited to \$1,500		
Maximum Total Rebate	\$101,500		






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## How to Participate

1. Review detailed program requirements, including eligibility for the non-profit/public entity or multifamily affordable housing incentives, in the appropriate program manual:
  - Systems using up to 8 solar collectors: refer to the *Small-Scale Program Manual*
  - Systems using 9 or more collectors: refer to the *Commercial-Scale Program Manual*

These manuals can be found at <http://bit.ly/BizSHW> under “How Do I Apply?”
2. If the project is a retrofit (i.e., not a new building or major renovation) and the facility has not had an energy-efficiency walk-through completed within the last four years, schedule a free assessment with MassSave ([www.masssave.com](http://www.masssave.com) or 1-866-527-7283).
3. Find an installer who is participating in the program <http://bit.ly/SHWInstaller>, or advise your preferred installation company that it must become a program participant.
4. Installer designs the system.
5. Installer submits an application and supporting materials through an online application portal ([www.powerclerk.com](http://www.powerclerk.com)) on system owner’s behalf. Supporting materials include:
  - a. A Participant’s Agreement (available at <http://bit.ly/BizSHW>, signed by system owner
  - b. A schematic design
  - c. A copy of a recent electric bill for the property
  - d. For systems with 9 or more collectors, a feasibility study with an energy model
  - e. Documentation of eligibility for the non-profit/public or affordable housing incentive rate, if applicable
6. Receive an award letter from MassCEC *before* installer begins installation.
7. Install the system in compliance with all design and technical specifications in the Program Manual.
8. Installer submits project completion materials through [www.powerclerk.com](http://www.powerclerk.com) within nine months of the award letter to release the rebate payment to the designated payee. The rebate paid directly to the installer or the system owner, as specified in the application.

 <http://bit.ly/BizSHW>  
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