

Have you heard?

The Commonwealth Solar Hot Water Commercial Program has been launched.

The Massachusetts Clean Energy Center (MassCEC) has announced a new grant program for the development of commercial solar hot water systems.



Zapotec Energy Inc. would like to offer our professional engineering services to help you take advantage of the incentives being offered through the Commonwealth Solar Hot Water Commercial Program, including determining the feasibility of solar hot water at your facility, and assisting you with the MassCEC grant application process.



Large Scale Solar Thermal Installation¹

The Commonwealth Solar Hot Water Commercial Program was recently established as part of the MassCEC's mission to encourage the deployment of clean energy in Massachusetts. With a reserved budget of \$1,000,000, this program provides building owners with financial incentives for the installation of solar hot water systems at their commercial facilities.

For more information about the Commonwealth Solar Hot Water Commercial Program, visit the MassCEC website: <http://www.masscec.com/>

Commonwealth SHW Commercial Program

The \$1,000,000 allocated to the SHW Commercial Program will be divided into Pre-Design Grants and Construction Grants.

Pre-Design Study Grants

- Grant Criteria:
 - An experienced consultant has been chosen for the Pre-Design Study
 - Project location has adequate solar resource and year round hot water consumption
 - Proposed timeframe and budget are reasonable
- \$350,000 allocated for Pre-Design Studies to determine feasibility of Solar Hot Water systems
- Grants of up to \$10,000 for each Pre-Design Study
- Cost share requirement:
 - Private facilities: 25% by owner
 - Public facilities: 0% by owner
- Three month timeframe to complete study from date of grant approval

Construction Grants

- Awarded based on favorable results of Pre-Design Studies
- Grants caps:
 - Public facilities - \$30,000 or 30% of construction cost, whichever is lower
 - Private facilities - \$25,000 or 15% of construction cost, whichever is lower
- Additional \$1,000 grant available for installation of monitoring equipment
- Solicitation for construction grant applications expected to begin September 2011

Benefits for Facility Owner

- No obligation to continue with construction after completion of Pre-Design Study
- Large portion of design and installation costs of SHW system paid for by grant program
- Lower fuel bills after SHW system is installed
- Online monitoring system provides quantitative evidence of fuel savings
- Solar preheating aspect increases reliability of existing DHW system
- Positive public relations aspect of “going solar”

What Zapotec Energy Can Provide

- Be your qualified consultant to satisfy the first grant criteria
- Help coordinate the grant application process with the MassCEC
- Perform and manage the Pre-Design Study
- Provide recommendations and engineering support, including SHW system design and specifications
- Provide outline project economics
- Assist with the Design/Build construction process



Interior Solar Hot Water Piping²

Zapotec Energy’s Experience

Zapotec Energy is a local solar engineering consulting and development firm with over 14 years of experience in the solar industry. Through a variety of projects, Zapotec Energy has developed a working knowledge of industry standards, in addition to local building codes applicable to solar energy systems. We continually work with state and local authorities, inspectors, communities, and solar professionals to ensure safe installation and operation.

The company has performed services for over 5 MW of solar projects in Greater Boston and Massachusetts, including design and construction of PV systems at the Bank of New York Mellon offices in Everett, multiple affordable housing sites in Greater Boston, and the Massachusetts Institute of Technology. Recently, Zapotec Energy performed Owner’s Engineering services for three National Grid projects in Massachusetts.

Zapotec’s staff includes two Professional Engineers, and NABCEP-certified PV Installers. In addition, all of our employees have a minimum of OSHA 10-Hour training. To learn more about the team at Zapotec Energy, visit our website.



Solar Storage Tank at Castle Square Apartments, Boston, MA³

For more information, please contact Paul Lyons at Lyons@ZapotecEnergy.com

- (1) Photo courtesy of NREL PIX
- (2) Photo courtesy of Northern State Solar Services LLC
- (3) Current Zapotec Energy Design/Build Project (Summer 2011)



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