

Request Mass Save create a rebate program for solar domestic hot water systems.

As the Commonwealth of Massachusetts seeks to dramatically reduce Greenhouse gas emissions, solar thermal systems are positioned to greatly reduce GHG emissions related to fossil fuel powered domestic water heating. Solar thermal excels more than any other existing alternatives by capturing 3 - 4 times more energy (BTU) per square foot than solar electric. Also, since it only uses a small pump to collect energy, it has a co-efficiency of performance (COP) of 20, which is many times better than heat pump hot water heaters. Furthermore, solar thermal has a 40 plus year proven track record so benefits will last for decades to come.

Solar hot water creates huge economic savings for Massachusetts rate payers as well. Of course there are dollars saved by not burning fuels. Depending on the type of fuel being offset, a household of 4 could save up to \$1200 annually. Furthermore, solar hot water can help reduce upgrade costs to the grid. In our collective effort to stop burning fossil fuels, Massachusetts is pushing to electrify transportation, heating and cooling and processing. Undoubtedly, our grid is facing major upgrade costs to handle the additional loads. Solar hot water, similar to insulation, reduces the electrical energy needed in the first place, so there will be less stress on the grid and lower upgrade costs. Another way to look at it: solar hot water, with its large storage tank, is the solar that comes with an "off-grid" battery.

Unfortunately, current incentives like the Massachusetts CEC rebate are either expiring or dwindling. We ask that Mass Save step up and provide all residents the opportunity to reduce GHG by heating water with the SUN!

Thank you for your consideration,

Claire Chang
Solar Store of Greenfield