

To: ma-eeac@mass.gov (Massachusetts Energy Efficiency Advisory Council)

Re: Public Comments for the 2022-2024 Three Year Plan

We would like to request that Mass Save create a rebate program for solar hot water systems. There is a great need, and solar hot water is well worth the investment.

As our state of Massachusetts seeks to dramatically reduce our carbon footprint, solar hot water is in a great position to help by filling a key niche in reducing the emissions related to domestic water heating. With respect to these carbon emissions, solar hot water excels well beyond any other existing alternatives. For example, it produces 3 - 4 times more energy 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 hot water has a 40 plus year proven track record, so we know the benefits will last for decades to come.

Solar hot water can create huge economic savings for Massachusetts rate payers as well. 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. Tied together with Solar electric generation, even greater financial and environmental savings are created.

Unfortunately, current incentives like the Massachusetts CEC rebate are either expiring or dwindling, leaving the solar hot water industry in a precarious state at best. We ask that Mass Save step up and (Mass) Save the day!

Thank you for your consideration,

Barry & Cheri Cherpiller