

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

I encourage the Mass Save program offer rebates for solar hot water systems. Solar hot water is an excellent low-maintenance investment.

Increased installation of solar thermal will accelerate the ability for the state of Massachusetts to meet emissions reduction goals. Domestic hot water heating is a major generator of carbon emissions. Solar hot water is an excellent alternative to fossil fuel-based systems. It only uses a small pump to collect energy, and it has a co-efficiency of performance (COP) of 20, which is many times better than heat pump hot water heaters. Solar hot water has a 40 plus year proven track record- its reliable and durable.

Solar hot water can create 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. An added benefit of solar hot water is that, similar to insulation, it reduces the energy needed in the first place. Another way to look at it: solar hot water, with its large storage tank, is the solar that comes with an "off-grid" battery.

Current incentives like the Massachusetts CEC rebate are either expiring or dwindling, leaving the solar hot water industry in a precarious state at best. Mass Save must keep the momentum going and support the industry.

Thank you for your vision -

Sincerely

Laurie Boosahda

Deerfield Energy Committee