

- Hi I'm Mathew Parent.
- Thank you for letting me speak tonight. I work for a Solar Thermal company in MA, RES Solar
- We install 200-300 hundred solar thermal collectors every year for residential and commercial projects

Did you know

- Domestic Hot Water accounts for 18% of a single family homes energy usage. 23% for multi-family buildings
- Solar hot water can reduce that usage by 75% with just 2-3 collectors in a single family home
- Solar hot water is a proven efficiency measure already supported by MassCEC, DOER and MassSave (Custom projects / MassSave loan)

Just to give you an idea of size and production

- A one ton air source heat pump is equivalent to 1100 kwh, right?
- A residential solar hot water system (typically 3 collectors) saves = 6 tons or 6600 kwh/yr, according to SRCC (Solar Rating Certification Corp)
- The COP of a solar hot water system is 4.15
- A solar hot water system lasts 20+ years. In comparison to other systems that last 10 years

If we want to Eliminate Oil, Propane and Natural Gas

- We can run a residential solar hot water system, eliminating those three.... And just use electric back-up.
- Typically a furnace runs 6-7 months a year just to heat hot water. Right? You can turn your furnace off for half the year by installing solar hot water.

Incentive

- So ultimately, since the MassCEC rebate is going away at the end of this year we are looking to MassSave for support.
- On the MassSave website an ASHP receives a \$1250 rebate per ton
- If Solar Hot Water received the equivalent per ton, we would be looking at \$7500 per system, because SHW produces 6 tons.
- However our industry would be happy if we received \$650 per ton. Half of what ASHP receives.
- That would be for residential and commercial projects.

Thank you...

Mathew Parent

RES Solar

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