

1. Can you provide the vendor and model number of both the ~45K heat pumps currently deployed as well as the ones (100K) that will be promoted over the 5 years?

A: Requirements for heat pumps to meet both our program standards and the 100k initiative can be found on our website, [here](#). While we cannot speak for our future requirements for the next 5 years, applicability for tier 2 units that will be used in this pilot are:

- [AHRI-rated](#) HSPF 12.5 or greater
- Each system is single-zone
- Wall-mounted indoor unit
- Installed on or after 1/1/2020
- Home not served by natural gas

The [AHRI website](#) can be used to search for any individual model availability, and a list of our most commonly rebated units are found, [here](#). Efficiency Maine does not have a current list of all currently applicable units as the technology is frequently updating.

The Trust would emphasize that the pilot need not work with every heat pump eligible for the program.

2. Is each heat pump and thermostat expected to be internet connected?

A: No, internet connection is not a requirement of the pilot. However, Efficiency Maine is open to any ideas on how to satisfy the goals of the pilot which could include wi-fi technology.

3. How will both pilot and program participants be recruited?

A: Efficiency Maine will work with the awardee to establish a relationship with our registered vendors and provide the financial incentives to recruit participants. However, the recruitment and administration of this pilot will fall to the awardee.

4. What is the anticipated size of the pilot? / How many integrated thermostat installations are planned?

A: Efficiency Maine is waiting to work with the awardee to shape the final outline of the pilot. While this number is not finalized, we are currently predicting a pilot size of around 120 participants.

5. What are the locations (Zip Code) of the pilot(s)?

A: Any zip code within the state of Maine would be eligible for this pilot.

6. Regarding the anticipated Contract Term (Oct 2020 - Sep 2022), What data is being captured and measured? Is there an EM&V plan? What does success look like?

A: The awardee will be expected to meter the connected heat pump usage for all participants in the pilot. Efficiency Maine can provide Efergy E2 meters to accomplish this, or the awardee can present alternative methods of their own. The awardee is also expected to interview participants in this pilot to determine their own perceptions and overall comfort throughout the pilot. A success pilot would provide clean, usable heat pump usage data resulting from an integrated thermostat configuration that can be compared to previous baseline studies to determine whether the heat pump was used more often as a result of the pilot. It would also provide a small qualitative / quantitative analysis resulting from participant interviews conducted by the awardee. The final scripting and requirements of the interview will be determined in collaboration with the awardee.

7. The link for Contract Process (1.10) is not working, can you reshare?

A: Absolutely, here is the correct link:

<https://www.energymaine.com/docs/Chapter-1-Contracting-Process-for-Service-Providers-and-Grant-Recipients.pdf>

8. On top of the rebate for the heat pump, is there a rebate / incentive for thermostats?

A: Yes, Efficiency Maine is planning on providing an incentive for project participants that will be determined in collaboration with the awardee.

9. Does Maine run a winter DR program?

A: Maine does not currently run a winter DR program.

10. Can these devices participate in other DR programs at the same time? Both in winter and summer?

A: No.

11. Does Efficiency Maine envision the installation of integrated thermostats occurring in homes that already have heat pumps (retrofit) or in conjunction with newly installed heat pumps?

A: We envision this pilot would be easier to complete with new installations that are already sending electricians to the homes who can install meters at the same time. However, it is not a requirement and a pilot crafted to meet our terms focusing on existing installations would not be disqualified.

12. Would heat pump monitoring precede the installation of integrated thermostats (to establish a baseline in support of a pre-/post-upgrade savings analysis)?

A: Efficiency Maine believes we have sufficient baseline usage data for residential heat pumps at this point. This pilot will gather a large enough sample of post-upgrade data from to compare with our prior research.

13. Is Efficiency Maine open to alternative and/or above and beyond approaches to conducting the pilot? For example, would you consider a more robust monitoring approach that involves measuring the energy use of other heating systems in the house? Or a controller that works in conjunction with the existing thermostats (e.g. a Flair Puck), instead of replacing them? / Is Efficiency Maine open to exploring custom solutions, including custom hardware and/or software, in addition to commercially available solutions?

A: Efficiency Maine left the requirements of the pilot vague to leave the potential of alternative approaches to satisfy our requirements. The core requirements of the pilot are essential (RFP Section 3.3), however any technology and approaches to meeting them are purposefully left opened ended and can be proposed by the awardee.

14. Are you expecting a statistically significant participant size in the program?

A: Not necessarily. We are not overly concerned about statistical significance for this pilot, rather usable data to help us shape our future program decisions.

15. Please share any budget guidance you can for the project?

A: A final budget has not been determined for this pilot at this time. Efficiency Maine will work with the awardee to determine a scalable budget guided by the chosen technology that satisfies all the requirements outlined in Section 3 of the RFP.