

## Form 1. Individual Project Proposal Descriptions and Justification

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Project Title: Summer Hot Water Heaters

Program Area: School Facilities

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**Project Description:** Summer demand for hot water within our school facilities is much lower than when school is in session; largely the need for hot water is for custodial cleaning and for small event/activity hand washing. As such, it would make sense to have an alternate supply of hot water from smaller, more energy efficient source such as an electric heat pump. An added benefit to this energy saving upgrade is that it would also serve as an emergency supply of hot water in “shoulder” months (low heating demand months) should we experience heating system problems that require shutting down boilers for repair during a school day.

Evaluation Category: IOE

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**Planning Context:** This idea is still in a conceptual phase; more investigative work would be necessary to determine extent of work and feasibility. The priority list for this work would be based on least efficient hot water supply: LHS, JWJ, GFS.

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**Schedule:** As this would be a supplemental supply, the majority of work could take place at any time, with final hookups taking place outside of school occupation so water supplies could be drained.

**Coordination:** This project is not dependent on other Capital projects.

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**Previous Town Meeting Action:** None

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**Project Priority:** (Note: The highest priority does not have to occur in the nearest year, and priorities do not necessarily follow in chronological order. It may be that your most important project may not be needed or be ready for action until three years from now.

  M   priority within department/program area

  L   risk of deferral

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**Estimated Cost:** 2018: \$5,000; 2019: \$5,000; 2020: \$5,000

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**Basis of Cost Estimate:** Check one of the following. If you want to provide more detail on the estimate, do so with a narrative after indicating the type of estimate.

- Cost of comparable facility or equipment
  - Rule of thumb indicator, unit costs
  - From the cost estimate from engineer, architect, or vendor
  - From bids received
  - Preliminary estimate, (e.g. no other basis for estimate, guesstimate)
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**Alternative Financing:** None

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