



*"The energy savings are phenomenal."*  
Paul Moore, President, Falmouth Youth Hockey

## Putting High Energy Costs on Ice

If you want to ice skate in the middle of the summer on Cape Cod, head to the Falmouth Ice Arena which can now remain open 12 months a year thanks to the building's unique, energy-efficient design.

Ice arenas require significant energy to cool the ice, warm the spectators and light the skaters. The Falmouth Ice Arena, built and operated by Falmouth Youth Hockey, was designed from the ground up to ease energy expenses. A super-tight building envelope, state-of-the-art heating, cooling and ice control systems, and a nearly 1 MW (megawatt) solar array on its roof and parking shelters all contribute to making this facility cost effective to operate year round.

### HOW CAPE LIGHT COMPACT HELPED

Cape Light Compact awarded \$243,410 in incentives to Falmouth Youth Hockey for above-code efficiency measures, lighting and controls and building performance.

### THE RESULTS

Despite covering twice the area of the old arena (60,000 square feet vs. 30,000), the Falmouth Ice Arena's estimated annual electric savings is over 500,000 kWh. This arena is one of the most energy efficient ice arenas in the nation.

### CASE STUDY

## Falmouth ICE ARENA EAST FALMOUTH, MA

### FACTS at a GLANCE

- Each wall is constructed with 3½" thick foam insulated panels creating an airtight rink with control of ideal temperature and humidity levels.
- A state-of-the-art chiller system minimizes power used to keep the surface of the ice in the proper condition for various activities.
- A hot water recovery system eliminates the need for electricity to melt snow.

## A System By:

### What can Cape Light Compact do for you?

The Cape Light Compact Energy Efficiency Program offers generous incentives for energy efficient new or retrofit building projects.

To learn how Cape Light Compact can help you save energy and money call 508.375.6886 or visit [www.capelightcompact.org](http://www.capelightcompact.org).

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