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## SUMMARY

ADI Energy approached the Smithfield Ice Rink to identify and install energy efficiency measures including a new low emissivity ceiling and cooling improvements at the Town Ice Rink in Smithfield, Rhode Island.

Energy Efficiency Rhode Island

National Grid Project Expediter

**Annual Savings:** 141,976 kWh  
\$17,037

## SERVICES

- Energy engineering
- Commercial energy services
- Conservation solutions
- Design build energy consulting
- Energy analysis
- Energy audit
- Preliminary assessment for energy
- Energy engineering
- Energy financial analysis
- Energy conservation
- Utility Incentives

## MEASURES

- Low emissivity ceiling
- Refrigeration controls
- Refrigeration system improvements

# Smithfield Municipal Ice Rink Smithfield, Rhode Island



## UNIQUE VALUE TO CUSTOMER

The Smithfield Municipal Ice Rink rents ice time to the various youth, high school, and adult groups in the Town of Smithfield as well as other surrounding Northern Rhode Island Communities. They are the Home Ice for the Bryant University Bulldogs Hockey Team, the Smithfield Figure Skating Club, the Northern Rhode Island Viking Youth Hockey Program, and the Smithfield High School, Johnston High School, and Scituate High School varsity hockey teams.

The Ice Rink also provides public skating hours for the general public. Additionally, they provide rental ice and accommodations for all kinds of gatherings.

Already relatively efficient, the Town of Smithfield retained ADI Energy, a National Grid Project Expediter, to address energy efficiency opportunities during planned renovations at the rink and leverage National Grid Incentive dollars. The overall goal of the improvements was to improve the quality of the ice.

ADI installed a new low emissivity ceiling and new controls that automatically cycles the chiller to reduce the electrical energy used for refrigeration and better maintain the ice slab temperature. Additionally, ADI upgraded the refrigeration system to optimize equipment efficiency and reliability.