



PSU Ice Arena – Sustainability Highlights

- Building is flood-proofed above the required 100 year flood level
- Building will meet LEED (Leadership in Energy and Environmental Design) silver certification
- An integrated ice-making/heating/cooling system is the most energy efficient system on the market today
 - Geothermal system
 - Saves energy
 - Provides heating, cooling and hot water for building
 - Eliminates the need for use of fossil fuels
 - Ice refrigeration system is integrated with the Geothermal and
 - Uses non toxic glycol instead of toxic ammonia
 - Radiant heat is provided through waste heat
- Low energy lighting – interior and exterior – saves energy and preserves the night sky
- Energy costs are 30% less than traditional ice arenas
- Bioswales in the parking area control and filter storm water, improving the overall quality of water returning to the aquifer
- Water efficient plumbing fixtures reduce water use
- Shuttle service, bike storage, and changing rooms encourage alternative transportation
- Construction of the ice arena uses sustainable methods such as recycling construction waste, Forest Stewardship Council (FSC) Certified wood products, and use of local materials and contractors

By signing the American College and University Presidents Climate Commitment, PSU has made a commitment to achieve carbon neutrality. The PSU Office of Sustainability works in partnership with the PSU President's Commission on Environmental Sustainability and the University Environment Committee to advance the University's goals on sustainability.

About the Plymouth State University Ice Arena

The first phase of Plymouth State University's ALLWell Center is the construction of an ice arena. The Ice Arena will serve as a teaching facility for instruction and research in ice activities, a home for Panther varsity men's and women's ice hockey teams, and a site for student recreation as well as community skating. The new arena will seat 850 spectators. The Ice Arena will also feature a Welcome Center with an expansive lobby and facilities that will provide an attractive meeting place for prospective students, parents, and visitors to the campus and towns of Plymouth and Holderness and the wider region.