

Overview

Project Background and Description

Rink #2 Heating Source: \$72,000

The Norway Savings Bank Arena is in the process of growing into a true multi-use facility. Over the past three years, it has become evident that providing a heating source to Rink #2 will allow the facility to become more attractive to event organizers in need of a venue with 60,000 square feet of event space. Adding an Advanced Modular CHP system to arena would provide a sustainable heat source for Rink #2 while also offsetting electrical costs. This natural gas system generates a total of \$62,928 in KWh with a heating value of \$42,149. The annual estimated savings for the facility would be \$33,008 creating a payback of 2.18 years. The addition of a heating unit will also assist in maintaining a steady air temperature of 55 degrees to 68 degrees Fahrenheit. Achieving these temperatures during ice skating will further create a more consistent and comfortable skating experience.

Project Scope:

Outline equipment to be installed and follow City Purchasing Procedures.

Work within the proposed amount of \$72,000 for project completion

Facilitate equipment installation prior to October 1st, 2017

The new system must include the following:

- Ability to provide an ambient air temperature of 55 to 65 degrees
- Ability to interface with the existing operational controls and software
- Ability to Utilize existing ductwork

Deliverables

Norway Savings Bank Arena – Greater marketability for Large indoor events

Hockey - Improved consistency of ice quality (comparing Rink #1 and Rink #2)

Public Skate – Improved atmosphere for skaters during recreational skating engagements

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RealICE: \$27,500

Norway Savings Bank Arena is currently utilizing an additive in our ice making water that permits the facility to conduct cold water ice makes. This was done to reduce the heat load on the ice arena's refrigeration equipment and to assist in reducing our utility costs. RealICE installs within the water supply line to the ice resurfacer and provides demineralized water with a low oxygen content while maintaining lower utility costs. The product would effectively improve our ice quality while adding a quality control measure. This would eliminate a \$7,000 per year expense and would create a four year ROI while eliminating human error.

Project Scope:

Contract with Cypress Unlimited for product and installation

Work within the proposed amount of \$27,500 for project completion

Facilitate equipment installation prior to October 1st, 2017

The new system must include the following:

- No maintenance equipment
- User friendly
- Improve and or maintain consistent ice quality

Deliverables

Norway Savings Bank Arena – Relieve supplies and Utilities budget

Hockey – Improve ice skating and play experience

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Keyless Door Entry: \$11,980

Safety and security is always a priority at Norway Savings bank Arena. As part of a continued effort to keep areas secured, Protection 1 Security Solutions put together a proposal to provide measurable controlled access points for five key facility areas. This system will also provide the ability to monitor key card swipes and provide more controllable access to sensitive areas.

Project Scope:

Key areas identified and quote procured

Work within the proposed amount of \$11,980 for project completion

Provide a more secure environment for sensitive areas

Facilitate equipment installation prior to October 1st, 2017

The new system must include the following:

- 5 key strike plates
- 40 programmable key cards
- Management software with reporting functions

Deliverables

Norway Savings Bank Arena – Provide measurable security controls to sensitive areas of the building.