

Green Innovation Grant Program

Project Title: War Memorial Arena Rainwater Reuse System

Grant Recipient: Onandaga County

Location: Onandaga County, NY

Green Infrastructure Practice: Rainwater Harvesting & Reuse, Green Roof

EFC Grant Amount: \$750,000

Total Project Amount: \$1,793,962

GIGP ROUND 2



Project Completed 03/2012

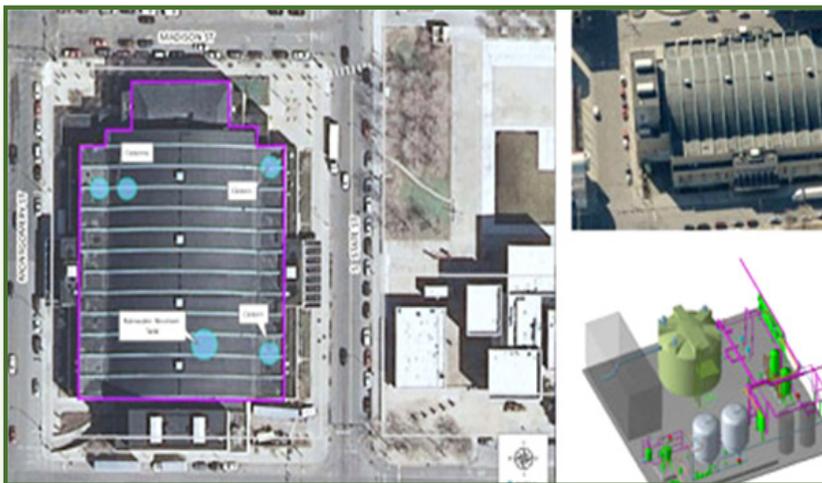
Project Description:

The roof drains and downspouts at the Onandaga County War Memorial Arena, a large event space in downtown Syracuse, used to empty into the City's combined sanitary storm system. This green infrastructure project now allows the complex to capture rain water and snow melt from the roof to produce ice for skating events. The collected water is also used for grounds maintenance, irrigating plants and washing streets.

A downspout collection system, with a 14,000-gallon capacity rainwater storage tanks,

filters, pumps, a water heat exchanger and roof leader collection pipes, allow the complex to collect large quantities of stormwater runoff in the arena's basement and store it for reuse.

The captured rainwater replaces domestic potable water for ice-making at the arena, reducing annual consumption by approximately 366,000 gallons. The project also provides energy savings, since ice can be produced at a higher temperature when using pure water.



Source: <http://savetherain.us>



The War Memorial Arena, a three-city-block long event facility located in Syracuse, New York, is capturing and storing rainwater for reuse on site.

