

Scott Seaman Sports Rink



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Annual Electricity Consumption: 720,123 kWh
Annual Heat Consumption: 00,000 Therms

Energy Center Solution

- 3 x XRG1® 25
- Rooftop Solar Photovoltaic System
- Demand Control Ventilation with Energy Recovery

Commissioned 2025

Energy Center Performance

Grid Electricity Consumption:	720,123 kWh/a
Electricity Consumed On Site:	550,200 kWh/a
Electricity Coverage:	79 %
Generated Heat:	00,000 Therms
Heat Coverage:	00 %
Projected Generation / Solar:	42,225 kWh
Projected Generation / XRG1® CHP:	524,113 kWh
Total Projected Generation / XRG1® CHP:	566,338 kWh

Outcome

Annual Carbon Reduction:	65 %
Annual Cost Reduction:	approx. \$70,000

Creating A Better Future The Efficient Energy Center at Scott Seaman Sports Rink

The Scott Seaman Sports Rink (SSSR) in Foothills County, Alberta, has emerged as a benchmark for sustainable recreation infrastructure. Driven by a comprehensive design strategy from King Engineering, the facility has undergone a major modernization that integrates an XRG1® 25 Combined Heat and Power (CHP) system, a rooftop solar photovoltaic system, demand control ventilation with energy recovery fresh air unit upgrades and intelligent building automation.

Together, these upgrades are projected to deliver transformative environmental, financial, and community benefits. Supported by the Green and Inclusive Community Buildings (GICB) program, the project demonstrates how rural recreation facilities can dramatically reduce operating costs while improving environmental performance and community well-being.

AK Brown's expertise was crucial to successfully integrating the XRG1® CHP systems at the Scott Seaman Sports Rink. John Brown, CEO of AK Brown shares, "Completing this project demonstrates the efficacy of CHP systems and their ability to be retrofitted into existing infrastructure."