



November 23, 2012

Parkland County
53109A Highway 779
Parkland County, AB
T7Z 1R1

Attention: David Cross

Reference: Pembina Recreational Complex Arena Lighting Upgrades

In September 2012 Yellowhead County commissioned Genivar to provide us with a lighting assessment of our ice hockey rink at the Pembina Recreational Complex. The existing lighting and control systems for this rink were originally installed in 1992 with no major improvements to the system since that time. The quality of lighting today is sub-standard and as a result has impacted the facilities ability of attracting potential user groups. By improving our present lighting situation we will not only be able to capitalize on better technology by installing more energy efficient bulbs thus reducing our operating expenses, but we will also meet the minimum standard of lighting systems for ice hockey rinks as recommended by IESNA RP-6-09. This improvement should in turn, also help us attract user groups that require a better and more sophisticated luminous environment.

The report has come back (see attached) and they have recommended three options to us for improvements. The three options and corresponding costs are as follows:

- Option 1: \$123,000 (Metal Halide Low Bay Luminaires)
- Option 2: \$137,000 (Linear Fluorescent T5HO High Bay Luminaires)
- Option 3: \$166,000 (LED High Bay Luminaires)

We have applied for the Community Infrastructure Improvement Fund (CIIF) through Western Economic Diversification Canada to help offset some of these costs. We are submitting our application for option 3; however if we are unsuccessful in the application process we will be moving forward with option 2 pending approval of both Yellowhead and Parkland County 2013 budgets. Both options will enable us to meet RP-6-09 Class IV which is the minimum standard required for ice hockey facilities. Both options will also reduce energy costs, but a more significant savings would be seen using the LED lights in option 3.

Our estimated cost to complete this work was based on the two above options and are as follows:

Option 2:

Total Project Cost: \$137,000.00

Yellowhead County contribution: \$68,500.00

Parkland County contribution: \$68,500.00

Option 3:

Total Project Cost: \$173,550.00 (included in application was cost of Option 3, engineering fees and public communications as per application requirements)

CIIF funding: \$86,775.00

Yellowhead County contribution: \$43,387.50

Parkland County contribution: \$43,387.50

This facility is a focal point in our community and serves the needs of residents in both Yellowhead County and Parkland County, providing a venue for recreation and social events. These improvements will ensure that we continue to provide high quality, energy efficient facilities to our residents. We would greatly appreciate the support from Parkland County to help this project so we can improve the quality of service to both communities.

Sincerely,

Crystal McNernie
Parks/Rec Supervisor
Yellowhead County