

ST PAUL FOOTBALL
TODD TANASICHUK
BOX 646
ST PAUL, AB
TOA 3A0

RE: LIGHTS FOR REGIONAL HIGH TRACK

Dear County of St Paul;

Please accept this letter and the attached documents as a request for support and funding aid for the project of outdoor lights at Regional High's football field and track, on behalf of St Paul Football.

This project has a projected cost of \$160,000 to \$196,000, depending on the type of lighting purchased (standard vs LED). St Paul Football is asking for funding help in various ways, from grants, to the Town of St Paul, to St Paul Education, to the County of St Paul.

WHY LIGHTS AND WHO BENEFITS?

The field at Regional High is used by many County citizens. Beginning each spring, the track is used by many people for recreational purposes. Many people walk and run at the track each evening, but of course once it gets dark everyone stops and goes home. This means that at certain parts of the year, the track goes unused past 7:00 PM. For many outside of St Paul, it is difficult to make it to town after work and get a walk or run completed before it's dark. Lights would allow this to change. Timers can be used to allow lighting until 9:00 or 9:30, depending on the time of year, allowing those who use the track to do so later on into the evenings. This would give an opportunity for all County residents to improve their health.

Other groups that use the track and the field is Regional High School and other area schools, and the North East Alberta Track Club (NEAT). This would allow for those groups to use the area later in the spring and fall when natural lighting is less. Please see the attached letters of support from St Paul Regional High School and from NEAT.

The third group that would benefit from lighting is St Paul Football. Lighting would allow us to have home games in the evenings, which we have done previously with portable lights. Those games are very well attended but it takes a tremendous effort to coordinate those games and consequently we do so only once every 2 seasons. Those games allow more residents to attend games, as otherwise we often play high school games on Friday afternoon, beginning at 4 PM. Lighting would also allow us to have practices later in the evening. One of our obstacles is getting volunteer coaches as they often work until 5 PM, while we are practicing by 4 PM. This would make us more flexible and increase our coaching numbers. The other issue we've had is that once daylight savings time begins in November, it's dark by

4:30 and really limits how we can practice, at a time when we are in championship games and entering provincials. Lighting would allow us to have regular practices. St Paul Football is entering our 34th season (est. 1984). We provide football for kids aged 12-18 and have an annual budget close to \$50,000 between the Bengals and Lions. We provide all equipment except cleats, all transportation, referees and many other costs. Registration fees are only \$300 for the Lions and \$250 for the Bengals, so we do an excellent job of budgeting and utilizing our resources efficiently to keep fees low for kids. Over our history, we have had players from Two Hills, Ashmont, Mallaig, Elk Point, Myrnam and St. Paul.

Please review all attached documentation. It shows a good comparison between the costs and benefits between standard lighting and LED lighting, which produces less carbon but is more expensive. Depending on our fundraising ability, we may decide to go with the LED option. For any questions or concerns, please contact me at 780-646-3815.

Thank you for your time and consideration.

Sincerely,

Todd Tanasichuk

St Paul Football



St Paul Football
St Paul, AB
Date: January 24, 2017

Budget Estimate: Metal Halide Light Source

Musco's Light Structure Green™ as described below and delivered to the job site \$160,000.00 CND.

***Sales tax, labor, and unloading of the equipment is not included as part of this budget estimate.
Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.***

Equipment Description

Light-Structure Green™ System delivered to your site in Five Easy Pieces™

- (4) Pre-cast concrete bases
- (4) 80' Galvanized steel poles
- Remote electrical component enclosures
- Pole length wire harnesses
- (36) Factory-aimed and assembled luminaires

Also Includes:

- Energy savings of more than 50% over a standard lighting system
- 50% less spill and glare light than Musco's prior industry leading technology
- Musco Constant 25™ warranty and maintenance program that eliminates 100% of your maintenance costs for 25 years, including labor and materials
- Guaranteed constant light level of 300lux/30fc for 25 years
- (1) group re-lamp at the end of the lamps' rated life, 5000 hours
- Control Link® Control & Monitoring System for flexible control and solid management of your lighting system
- Contactors and Lighting Contactors

Payment Terms

Standard payment terms are 25% with order and 75% N30 from shipment.

Final payment terms will be as approved by Musco's Finance Department.

Delivery to the job site from the time of order, submittal approval, and confirmation of order details including voltage and phase, pole locations is approximately 30-45 days. Due to the built-in custom light control per luminaire, pole locations need to be confirmed prior to production. Changes to pole locations after the product is sent to production could result in additional charges.

Notes

Pricing is based on:

- Shipment of entire project together to one location
- Structural code and wind speed = 2009 AASHTO, 90 MPH.
- Confirmation of pole locations prior to production

Thank you for considering Musco for your sports-lighting needs. Please feel free to contact me with any questions.

Brad Harrison
Sales Representative

Phone: 866-695-8162 (TF)

Phone: 403-695-8162 (Local)

E-mail: brad.harrison@musco.com

Fax: 403-695-9019



St Paul Football
St Paul, AB
Date: January 24, 2017

Budget Estimate: LED Light Source

Musco's Light Structure Green™ as described below and delivered to the job site \$196,000.00 CND.

***Sales tax, labor, and unloading of the equipment is not included as part of this budget estimate.
Pricing furnished is effective for 60 days unless otherwise noted and is considered confidential.***

Equipment Description

Light-Structure Green™ System delivered to your site in Five Easy Pieces™

- (4) Pre-cast concrete bases
- (4) 80' Galvanized steel poles
- Remote electrical component enclosures
- Pole length wire harnesses
- (36) Factory-aimed and assembled LED luminaires

Also Includes:

- Energy savings of more than 50% over a standard lighting system
- Musco Constant 25™ warranty and maintenance program that eliminates 100% of your maintenance costs for 25 years, including labor and materials
- Guaranteed constant light level of 300lux/30fc for 25 years
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Notes

Pricing is based on:

- Musco design 179563A
- Shipment of entire project together to one location
- Structural code and wind speed = 2009 AASHTO, 90 MPH.
- Confirmation of pole locations prior to production

Thank you for considering Musco for your sports-lighting needs. Please feel free to contact me with any questions.

Brad Harrison
Sales Representative

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St Paul Football

| | Light-Structure GREEN Metal Halide | Light-Structure GREEN TLC-LED-1150 |
|------------------------------|--|--|
| Warranty * | 25 Years | 25 Years |
| Guaranteed Light Levels ** | 25 Years | 25 Years |
| Spot Maintenance * | Included | Included |
| Group Relamp ** | Included | N/A |
| Spill/Glare Light Control | Great | Exceptional |
| Monitoring /Control Services | Included | Included |
| Energy Usage (Average Kw) | 56.3 | 41.4 |
| Equipment (Delivered) *** | \$160,000 | \$196,000 |

Notes:

- * Includes parts and labor
- ** Based on 200 hours of annual usage
- *** Does not include applicable taxes, unloading or installation

Musco MH (1500W) vs. LED Power Comparison Cost

| | \$0.07kWh | \$0.08kWh | \$0.09kWh | \$0.10kWh |
|---------------------------|-------------|-------------|-------------|-------------|
| Number of 1500W fixtures | 36 | 36 | 36 | 36 |
| Hourly cost per fixture x | 0.109* | 0.125* | 0.141* | 0.1564* |
| Hourly energy cost | \$3.92 | \$4.50 | \$5.08 | \$5.63 |
| Hours operated per year x | 200 | 200 | 200 | 200 |
| Annual energy cost | \$784.80 | \$900.00 | \$1,015.20 | \$1,126.08 |
| Life of system x | 25 | 25 | 25 | 25 |
| Life-Cycle energy cost | \$19,620.00 | \$22,500.00 | \$25,380.00 | \$28,152.00 |

* Average fixture kW consumption is 1.564

Average Kw = 56.3
Maximum Kw = 61.2

| | \$0.07kWh | \$0.08kWh | \$0.09kWh | \$0.10kWh |
|-----------------------------------|-------------|-------------|-------------|-------------|
| Number of TLC-1150 Field fixtures | 36 | 36 | 36 | 36 |
| Hourly cost per TLC-1150 fixture | \$0.08 | \$0.09 | \$0.10 | \$0.12 |
| Hourly energy cost | \$2.90 | \$3.31 | \$3.73 | \$4.14 |
| Hours operated per year x | 200 | 200 | 200 | 200 |
| Annual energy cost | \$579.60 | \$662.40 | \$745.20 | \$828.00 |
| Life of system x | 25 | 25 | 25 | 25 |
| Life-Cycle energy cost | \$14,490.00 | \$16,560.00 | \$18,630.00 | \$20,700.00 |

Maximum Kw = 41.4

Based on the above:

| | | |
|--------------------|------------|-----------------------------------|
| Metal Halide usage | 281,500kWh | 198 Metric Tons of Carbon Dioxide |
| LED usage | 207,000kWh | 145 Metric Tons of Carbon Dioxide |
| LED Savings | 74,500kWh | 53 Metric Tons of Carbon Dioxide |

Source for CO2 calculations: <http://www.epa.gov/cleanenergy/energy-resources/refs.html>



4701-44 Street
St. Paul, Alberta
T0A 3A3
(780)645-4491 Phone
(780)645-3279 Fax

Mr. Mark Tichkowsky, Principal
Mrs. Angela Noel, Assistant Principal
Mr. Corey deMoissac, Assistant Principal

March 8, 2016

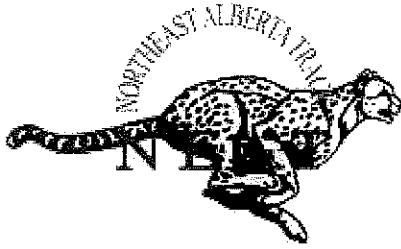
Dear St. Paul Education Regional Division No.1:

It is my pleasure to write a letter of support for the proposal of the outdoor lighting project for the Regional Football Field being submitted by Todd Tanasichuk on behalf of the St. Paul Football club.

I fully support the efforts of the St. Paul Football Club as they seek external funding to support the lighting project. This project would allow parents, family members and community stakeholders a chance to be involved in a program that has and will continue to impact students in a positive way.

Sincerely,

Mark Tichkowsky
Principal
St. Paul Regional High School
4701-44street
St.Paul, AB T0A 3A3
ph.780-645-4491 fax.780-645-3279



March 9, 2016

Mr. Todd Tanasichuk
Racette Junior High School
4638 – 50th Ave
St. Paul, AB

Dear Mr. ^{Todd}~~Tanasichuk~~,

Lighting of the Football Field and Athletic Park behind St. Paul Regional High School

Thank you for contacting the Northeast Alberta Track and Field Club (NEAT) regarding the idea about lighting the football field and athletics track. NEAT would endorse this idea, as it will provide extended hours of use for this facility during low light conditions.

The lighting would provide a benefit not only for our two organizations but also for many other community users. These users include youth, families and seniors who use the athletics track for walking / training because this location provides a safe surface to walk/run on and vehicular traffic is non-existent.

Another benefit of lighting the facility is the increased safety provided to users choosing to use the area just before sunset or shortly after sundown. With the field/track being extremely dark, this could place an individual in harm's way if that individual is not prepared to deal with a possible unsafe situation.

Please accept this letter of support on behalf NEAT towards securing a lighting solution for the football field and athletics track.

Sincerely,

Robb Foote
Vice President / Coach
Northeast Alberta Track and Field Club

Cc: Tom Starosielski, President
Reg Green, Coach
Rob Hurtubise, Coach
Albert Harmse, Coach