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June 22, 2017

Town of Riverview
30 Honour House Court
Riverview, NB E1B 3Y9

Attention: Mr. Colin Smith, CAO

VIA EMAIL

Dear Mr. Smith,

**Re: Byron Dobson Arena Phase 1 - Facilities Upgrade and Improvement,
Package R1 (TOR 17-41A) - Refrigeration Plant Motor Control Center Upgrade
Tender Evaluation and Letter of Recommendation
MCW Project No. 11-17-120**

Introduction

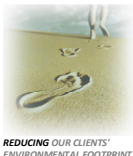
The tenders have closed for the work for Refrigeration Plant Motor Control Center Upgrade (Package R1) at Byron Dobson Arena, Riverview, New Brunswick.

The following is a summary of the tenders and our recommendation.

1. Scope of the Work

The work in the tender documents generally includes:

1. Specialized refrigeration, electrical, and controls services related to the design, implementation, and commissioning of a turn-key Motor Control Center and controls system upgrade for the existing Upper Rink and Lower Rink ammonia refrigeration plants at the Byron Dobson Arena.
2. Each of the two (2) plants will include the supply and install of new stand-alone motor control center panels and new control systems. Each plant will include separate systems and will include:
 - Remove the existing Motor Control Centers within the plant. Decommission the existing systems.
 - Supply and install new soft starter systems for the compressor No.1 and No.2. The Upper Rink ice plant soft starters on the compressors can be re-used.



- Supply and install new Motor Control Centers for each plant. The centers will replace all existing systems and provide as a minimum equipment services for alarms, and controls. Panels to be designed and fabricated by a CSA panel shop for field mounting.
 - The new Motor Control Centers must provide the necessary safety, reliability, and operator specific features which are required to run the plant in a safe, efficient manner.
 - Supply and install a new Variable Frequency Drive (stand-alone) for control over the Evaporative Condenser Fan on each cooling tower.
 - Supply and install a new ice plant control system. The control system shall be supplied to be integrated into the new Motor Control Center and coordinated as part of the CSA assembly and certification at a panel shop. The controls provider to work with the CSA panel shop to integrated the new hardware into the panel assembly.
3. Provide Training on the new automation and controls.
 4. Provide commissioning for all field instruments, loop testing, operational test, alarm simulation and documentation.
 5. This Contractor will be considered the Prime Contractor for this work. They are responsible for all trades, materials and coordination aspects of the job. Errors or omissions by sub-trade will be the responsibility of this Contractor.

The budget for the work is:

Measure	Cost
Refrigerant Plant Motor Control Center Upgrade	\$200,000
Total	\$200,000

2. Tender Process

MCW Maricor prepared the technical drawings and specifications. MCW provided the contract requirements and general conditions ('front-end') specifications based on the Town of Riverview front end tender documents. The information was advertise and made available publically. There was a non-mandatory bidders meeting held at the site. One Addendum was issued.

The Tenders were received at the Town Hall of Town of Riverview on June 22, 2017 and opened in public immediately after the close.

The Bidders were as follows:

1. Black & McDonald Ltd.

3. Tender Results

The summary of Tender responses from the Bidders and the Lump Sum bids were submitted as follows:

1. Black & McDonald Ltd. \$188,450.00 + HST

The detailed Tender results are in the attached Tender Evaluation spreadsheet.

4. Tender Analysis

Price – There was only one bidder from Black & McDonald Ltd.

Schedule – The required construction completion date is September 8th, 2017. B&M matched the required schedule.

Cash Allowance – None.

5. Tender Analysis

Budget Comparison

The total budget for the work is \$200,000 plus HST.

The recommended scope of work and comparison to construction cost budget with the low bidder is as follows:

Base Award Recommendation

Recommended Award Pricing	Budget	Cost	Variance (\$)	Variance (%)
1. Bid Price - Lower Rink Ice Plant		\$97,600.00		
2. Bid Price - Upper Rink Ice Plant		<u>\$90,850.00</u>		
3. Recommended Award Pricing	\$200,000	\$188,450.00	\$11,550.00	5.8%
			Under budget	

The price for the recommended work is \$11,550 or 5.8% under the budget. The current scope of this Tender Approval is covered by the current budget.

6. Tender Recommendation

The low responsive Bidder and the recommendation for award is as follows:

Black & McDonald Ltd. \$188,450.00 + HST

We recommend the work be awarded to **Black & McDonald Ltd.**

Please review this evaluation and recommendation at your earliest convenience. Please contact me if you have any questions or comments.

Sincerely,

MCW Maricor

A handwritten signature in blue ink, appearing to read "C. Travis".

Carman Travis, CET, CEM, LEED AP
Partner

Attachments (1):

1. Tender Analysis from MCW Maricor dated June 22, 2017 (2 pages)

Copy: MCW Maricor – Stephen Perry
MCW Maricor – Dave Knickle
MCW Maricor – Munjung Choi-Osmond
Town of Riverview – Gerry Cole

Town of Riverview Byron Dobson Arena – Phase I Facility Upgrade and Improvement Refrigeration Plant Motor Control Center Upgrade (R1)		TENDER ANALYSIS Project No.: 11-17-120 Package No.: R1 (TOR 17-41A) Closing Date: Jun. 22, 2017 By: MC/CT
Tender Results		
	Budget / Required	Black & McDonald Ltd.
BUDGET (less HST)		
Refrigerant Plant Motor Control Center Upgrade	\$200,000	
TENDERS		
1. Bid Price - Lower Rink Ice Plant		\$97,600.00
2. Bid Price - Upper Rink Ice Plant		<u>\$90,850.00</u>
3. Sub-Total		\$188,450.00
4. HST (15%)		\$28,267.50
5. Total Bid Price		\$216,717.50
Addenda Acknowledged & Signed:	1	1
Sub-Contractors:		
Sub-Trade		Arena Control System
Sub-Contractor		TechCold Int.
Address		Moncton, NB
Reference provided:	Yes / No	Yes
Machinery & Equipment:		N/A
Machine		
Make Model No. & Year		
License No.		
Gas / Diesel		
Net Engine HP		
Bucket Size or G.V.W.		
Foreman/Superintendent provided:	Yes / No	Yes
Commencement and Completion Dates:		
Anticipated Project Start Date	1 wk of contract award	Jul. 04, 2017
Anticipated Project Completion Date	Sep. 08, 2017	Sep. 08, 2017
Security Deposit:		
Bid Bond (10%)	Yes / No	Yes
Perf., Labour & Mat. Bonds (50%)	Yes / No	Yes
Submittals:		
Certificate of Insurance	\$2,000,000	No
WorkSafe NB letter of good standing		No
NBCSA letter of good standing / certificate of recognition of OHS program		No

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Tender Results			
	Budget / Required	Black & McDonald Ltd.	
Properly Signed Tender Corporate Sealed Resolution of Signature		Yes No No	
<u>EVALUATION WITH SEPARATE PRICES</u>			
1. Bid Price - Lower Rink Ice Plant		\$97,600.00	
2. Bid Price - Upper Rink Ice Plant		<u>\$90,850.00</u>	
3. Total		\$188,450.00	
<u>RECOMMENDATION (Less HST)</u>		Black & McDonald Ltd.	
1. Recommended Award Price	<u>Budget</u> \$200,000	\$188,450.00	
	Variance (\$)	\$11,550.00	
	Under Budget (%)	5.8%	