

#### **For Information Only**

Arena Renewal Strategy and Sudbury Community
Arena - Renewal Options

| Presented To: | City Council               |
|---------------|----------------------------|
| Presented:    | Tuesday, Mar 31, 2015      |
| Report Date   | Wednesday, Mar 18,<br>2015 |
| Type:         | Presentations              |

#### **Recommendation**

FOR INFORMATION ONLY

#### **Finance Implications**

No financial implications at this time.

#### **Background**

The Community Development has been undertaking a comprehensive review of ice facilities in the past 5 years. The Renewal Strategy has resulted in several strategic capital investments to the inventory of ice facilities in the City, including:

- Renewal of McClelland Arena (after fire damage)
- Renewal of Cambrian Arena
- 2nd ice pad at Gerry McCrory Countryside Sports Complex
- Renewal of Chelmsford Arena
- Pursuing opportunities to repair/replace the Sudbury Community Arena

#### Chronology

The following illustrates the chronology of Arena Renewal Strategy reports and activities since 2010:

#### **April 2010**

- Approval to construct 2nd ice pad at Gerry McCrory Countryside Sports Complex
- · Approval to conduct emergency repairs to Cambrian Arena
- Request for an Arena Renewal Strategy

#### **June 2011**

- Report to Council introduction to Arena Renewal Strategy
- Terms of Reference, timelines, principles and deliverables

#### February 2012

Report to Community Services Standing Committee summarizing results of Community Consultation

#### Signed By

#### **Report Prepared By**

Rob Blackwell Manager, Quality, Administrative and Financial Services Digitally Signed Mar 18, 15

#### **Recommended by the Department**

Real Carre Acting General Manager of Community Development Digitally Signed Mar 18, 15

#### Recommended by the C.A.O.

Doug Nadorozny Chief Administrative Officer Digitally Signed Mar 23, 15

#### January 2013

- Report to Community Services Standing Committee that provided:
  - · Summary of building lifecycle analysis
  - Cost recovery data
  - · Demand and ice usage for City facilities
  - General demographic data, population/trends, ice usage
  - Scenarios re: facility repairs/replacement

#### **July 2013**

- A staff report on the Arena Renewal Strategy was presented to Community Services Committee providing results of a community consultation regarding the Sudbury Community Arena
- Resolution was approved: "THAT opportunities be explored to replace the Sudbury Community Arena, including the consideration of Public-Private-Partnerships and Reserves".

#### October 2013

• The City of Greater Sudbury issued an Expression of Interest (EOI) re: the design, construction, development and/or operation of a new premier ice facility

#### February 2014

• Preliminary report on the EOI re: replacing the Sudbury Community Arena

#### August 2014

• Prior to exploring the EOI's and evaluating their merit, the option of renovating the existing facility, and enhancing it to include the amenities and capacity of a new facility were explored.

#### **Next Steps**

#### **Sudbury Community Arena**

In July 2013, a report on the Arena Renewal Strategy was presented to Community Services Committee, and the following recommendation was approved: "THAT opportunities be explored to replace the Sudbury Community Arena, including the consideration of Public-Private-Partnerships and Reserves".

In October 2013, the City of Greater Sudbury issued an Expression of Interest (EOI) from teams of designers, contractors and developers from the private sector and organizations interested in pursuing the design, construction, development and/or operation of a new premier ice facility.

In order to effectively provide the necessary information to assist Council in making a decision on the future of the Sudbury Community Arena, and based on discussions that occurred in 2013 with the Council of the day, the option of renovating the existing facility, and enhancing it to include the amenities and capacity of a new facility were explored. It was determined that this would be a prudent step, prior to exploring the EOI's and evaluating their merit.

Coldwell Banker Richard Ellis (CBRE) was retained as a consultant to provide expert opinion on the scope of work and cost of refurbishing the Sudbury Community Arena. In addition, they were tasked with providing a comparison to the scope of work and cost of replacing the facility. CBRE partnered with Maclennan Jaunkalns Miller Architects in the completion of the project.

The consultant met with staff and with the primary user of the facility (the Sudbury Wolves), and conducted

a detailed site visit. CBRE then developed a high level program that could address the challenges of the existing facility, and enhance the arena to current OHL standards. A high level estimate of probable cost, as well as comparison costing major arena refurbishments and new builds are also provided.

The consultant's findings should be a valuable tool in assisting City Council in the decision-making process regarding the next steps for the Sudbury Community Arena. The details of the consultant's findings will be presented with this report (Appendix A).

#### **Community Arena Renewal**

With respect to the inventory of community arenas in the City of Greater Sudbury (other than the Sudbury Community Arena), the following strategies have been identified:

- A capital program is included in the 2015 2019 Leisure and Citizen Services capital budgets to systematically maintain existing ice facilities based on identified priorities (BCA reports)
- Annual supply vs demand analysis
- Enhanced marketing strategy to increase usage (as part of a more broad marketing strategy for City programs and services)



Options Study February 11, 2015

PREPARED FOR







#### **Executive Summary**

In order to compare a 'new build' OHL arena with a 'refurbished' Sudbury Community Arena, an analysis of the existing area was made, and investigations conducted, to determine what new program areas ,needed to be added, and what internal elements of the existing arena, needed to be resolved operationally, in order to accommodate a 'typical' OHL program.

Significant area and operational deficits were identified with the existing facility.

It was established that the Arena must be able to continue in operation during the hockey season – construction and renovation would be limited from May to August. This also means that extensive demolition of the main arena space would not be possible.

Investigation into the Downtown Sudbury Plan was undertaken to realize possible areas where the Arena could expand.

A space planning diagram was created to show how the components could be added in sequence.

Shortcomings of the diagrams were identified.

Costing and schedule exercises were undertaken to look at order of magnitude costs and time-frames of refurbished vs. new build vs. upgrades and retrofits.



#### **Overview**

Mandate

Refurbishment Features

Program Area: Recently Built Typical OHL Arena

Program Area: Existing Program Area & Existing Conditions

Characteristics of a New Build

Characteristics of a Refurbished Program

Cost & Schedule of a Refurbished Program

Market Comparable Refurbishments

New Build Comparable

**Comparison Summary** 

Retrofit option

**Next Step** 





#### **Mandate**

Provide guidance and recommendations regarding refurbishing the Sudbury Community Arena, build new or retrofit

Provide sufficient detail to allow City Council to make an informed decision

Consider costs and values associated with the options







#### Refurbishment Features

| Refurbished Features   |   |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|
| Typical Components of an OHL Arena                               | Show Requirements   |  |  |  |  |  |  |  |  |
| 6,000 seats (4,500 existing + 1500 new)                          | New Event Loading dock with direct access   |  |  |  |  |  |  |  |  |
| Concourse  | State-of-the-Art Mechanical and Electrical Systems inclusive of dehumidification system |  |  |  |  |  |  |  |  |
| Concessions & Merchandisers                                      | Change Rooms  |  |  |  |  |  |  |  |  |
| Increased circulation meeting all barrier free code requirements | 24 Suite (18 existing, 6 new) located at east end of Arena                              |  |  |  |  |  |  |  |  |

| Limitations  | Constraints   |
|--|---|
| Accommodate seasonal use of Existing Facility (construction limited may to August) | Working within existing building Structure,<br>Refrigeration, Ice Slab, Roof, Seating |



### **Typical New OHL Facility**

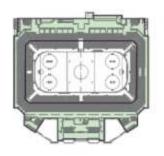
### Building Program Area range 160,000sf to 190,000sf







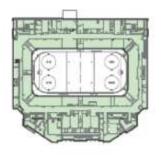
### Existing Community Arena Program Area 103,000sf







GROUND PLAN



BASEMENT PLAN

- o Constructed in 1951 (Retrofit ice-pad & life safety)
- Various upgrades since 2000 (Value: \$4.6M to 2012)
- 2013 BCR rating: Building is in marginally fair condition overall
- Maximum electrical power shows in 900 amps, three phase 208
- Event floor access has steep ramp with limited vehicular access
- o Customers mix wht users, and service areas on basement level
- Ground floor provide ticketing and vertical circulation and accessibility
- Upper concourse services, club lounge, and 18 suites (addition)

- o Ice surface: 200' x 85' (NHL standard)
- Open Roof Truss Structure System
- o Ice Level to Underside Truss: 46' 55'
- o Ice Level to Score Clock: 30'
- Maximum seating: 4,500 (standing: 5,100)
- Accessibility throughout facility is limited (2 person lift)
- Services: washroom and concession on basement level



#### **Characteristics of Refurbished Program**

Optimal Concourse / Bowl Configuration

Improved Ticketing

Good Access for Shows Add 68,500 sf New Building Area

All new Mechanical & Electrical Systems

Renovate 46,600 sf Existing Building Area

Completely Upgraded Change Rooms / Total Program Area 171,000 sf Concessions









#### **Current Facility Programming**

| Sudbury Community Arena              |                                   |                       | Reference                         | - 2008 data           |                                   |                       |                              |                                    |
|--------------------------------------|-----------------------------------|-----------------------|-----------------------------------|-----------------------|-----------------------------------|-----------------------|------------------------------|------------------------------------|
| User / Tenant                        | Annual<br>Number of<br>Event Days | Average<br>Attendance | Annual<br>Number of<br>Event Days | Average<br>Attendance | Annual<br>Number of<br>Event Days | Average<br>Attendance | K-Rock<br>Centre<br>Kingston | Essar<br>Centre Sault<br>Ste Marie |
| Lead Tenant (OHL Team)               | 38                                | 3,848                 | 39                                | 3,742                 | 39                                | 3,705                 | 37                           | 43                                 |
| Concerts                             | 11                                | 3,372                 | 6                                 | 4,014                 | 8                                 | 3,097                 | 19                           | 9                                  |
| Family Shows                         | 2                                 | 1,410                 | 2                                 | 2,150                 |                                   |                       | 14                           | 13                                 |
| Other Sports                         | 1                                 | 4,000                 | 1                                 | 2,312                 | 4                                 | 1,298                 | 5                            | 17                                 |
| Other Entertainment                  | 3                                 | 1,936                 | 6                                 | 2,960                 | 3                                 | 2,041                 | 9                            | 7                                  |
| Trade & Consumer Shows / Day Rentals | 8                                 | 2,201                 | 8                                 | 2,172                 | 8                                 | 2,333                 | 21                           | 21                                 |
| Total                                | 63                                | 213,544               | 62                                | 209,426               | 62                                | 199,244               | 105                          | 110                                |
|                                      |                                   |                       |                                   |                       |                                   |                       | Source: Deloitte 8           | Touch LLP                          |

- Stats on event programming not readily available
- There is no specific market benchmark for programming
- Each market is unique and competitive
- Business case is driven by hockey, concerts events and family shows K Rock targets 80 main event days
- Operating cost factors into the attractiveness of community usage





#### **Characteristics of a Refurbished Program**

To preserve optimal sight lines, extension to the bowl will result in areas toward the top of the bowl with dwindling seats, comprising 'feel' of the bowl as a sports venue.

Suites currently located at the west end of the ice. Suites would be arranged along north or south edges of ice. Current roof configuration does not allow for this.

Current proposal keeps the existing ice slab and refrigeration system. Probable replacement in 10 - 12 years vs. 20 - 30 years on a new build.

In order to keep the existing facility operational the new build and renovation would have to be done in phases.

To keep the existing building operational, total construction time 9 - 12 months longer than a new build. Space and access would be compromised throughout construction.

Compromise on ideal spatial configuration due to nature of additions required. New concourse requires an extension of the existing building; support structure will be required for the existing structure, compromising clear views of the ice from the concourse.

Supported on pile foundations. Extensive geotechnical investigation required to determine effect of new construction on existing structure.

Addition has potential to dwarf existing building in terms of size. Would not alter the primary façade. Would substantially alter the experience of the building to an arena user.



## **Existing Condition**







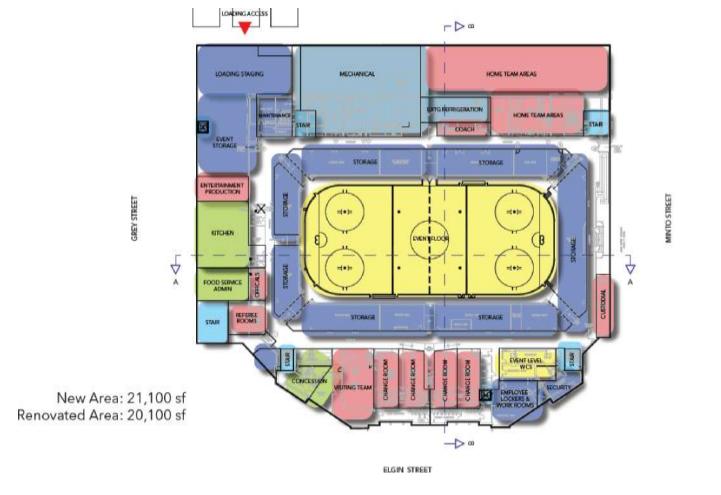
### Additional Area & Loading







## Proposed Refurbished Lower Level Plan

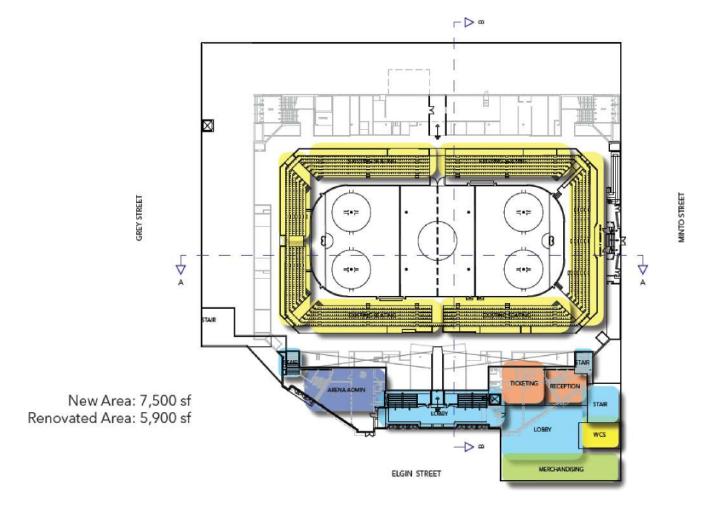




maclennan jaunkalns miller architects

3 ACCESS

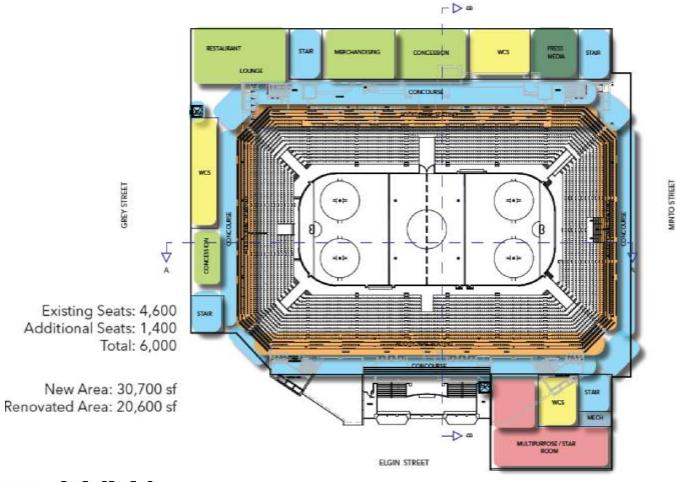
## Proposed Refurbished Entry Level Plan







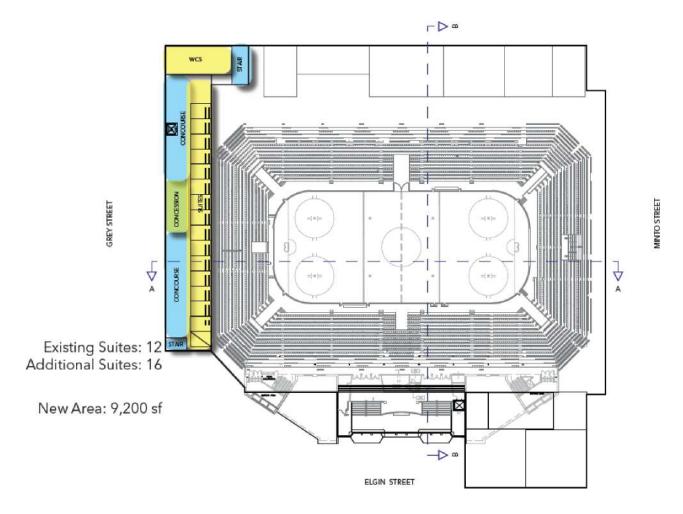
### Proposed Refurbished Concourse Level Plan







## Proposed Refurbished Box Level Plan







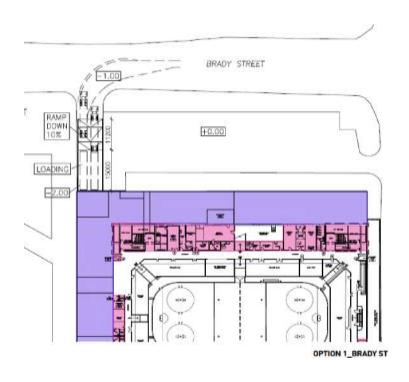
## Proposed Refurbished Total Area

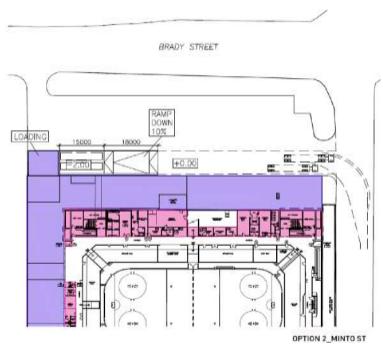
| Total New           | 68,500 sf  |
|---------------------|------------|
| Total Renovated     | 46,600 sf  |
| Total Proposed Area | 171,000 sf |



## Proposed Refurbished Loading Area Options

#### OPTION 1- Brady St OPTION 2 – Minto St.

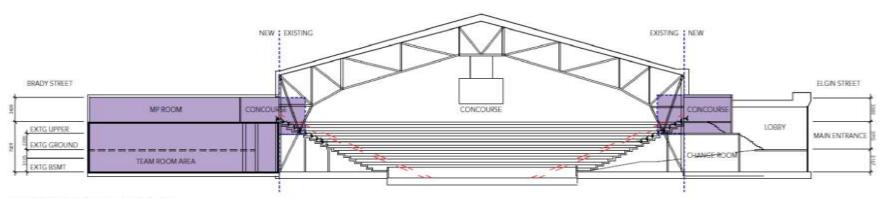




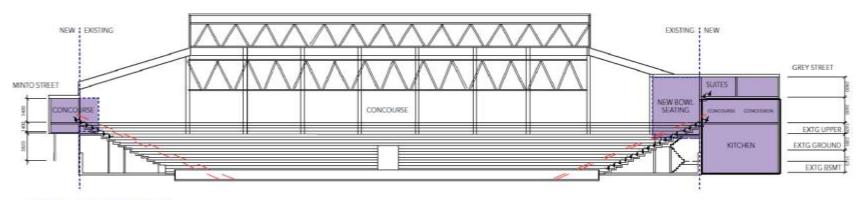




### **Proposed Refurbished Sections**



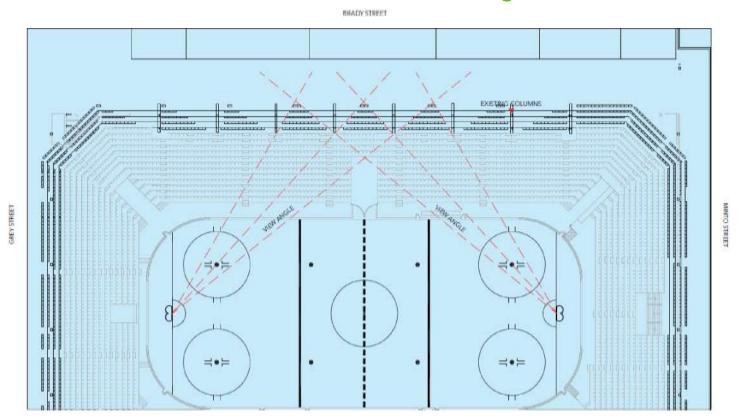
SECTION B-B: NORTH-SOUTH SECTION



SECTION A-A: EAST-WEST SECTION



#### Proposed Refurbished Additional Bowl Seating



Additional Bowl Seating - Approx. 550 Seats would have obstructed views. These have been revised in the New Seat Total.





#### Cost & Schedule - Refurbishment

The above program of proposed additions and renovations was priced at a high level to identify an order of magnitude cost and implementation schedule

The scheduled time of work was set to maintain the Wolves operations.

| REFURBISHMENT - CM DELIVERY                               |                          | GENERAL EXCLUSIONS |                      |  |
|---|--------------------------|--------------------|----------------------|--|
| New Build 68,500sf / Renovation Space 46,600 sf           |                          |                    | All Development Fees |  |
| Construction  | \$31,655,000             | \$25,964,24        | 40                   | All Land Transfer Fees                   |
| Contingency Design & Construction & Escalation            | \$6,840,000              | \$7,200,00         | 00                   | Site Plan Approvals                      |
| Insurance GL only & Bonding                               | \$445,000                | \$450,00           | 00                   | Removal of Hazardous and/or Contaminants |
| Construction Fee  | \$2,060,000 \$1,8        | 375,000            |                      | (including abatement)                    |
| Subtotal  | \$41,000,000             | \$35,489,24        | 40                   | Furnishing, Fittings & Equipment (FF&E)  |
| Professional Fees Design, PM, Studies, Legal other- @ 15% | \$6,150,000              | \$6,150,00         | 00                   | 3rd Party Commissioning Agent Fees       |
| Inspection & Testing @1%                                  | \$400,000                | \$400,00           | 00                   | Removal Underground Services             |
| Permits, Insurance, Utilities, Others @ 1.5%              | <u>\$620,000</u> \$62    | 20,000             |                      | Premiums - Accelerating Schedule         |
| Subtotal  | \$48,170,000             | \$42,659,240       |                      | Premiums – Single Source Products        |
| Project Contingency @4.0%                                 | <u>\$1,830,000</u> \$1,7 | 706,370            |                      |  |
| Estimated Cost  | \$50,000,000             | \$44,365,6         | 10                   |  |



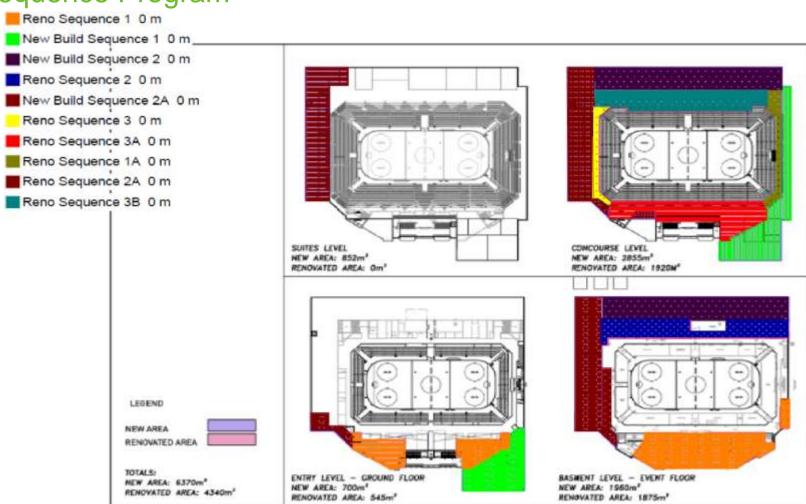


#### **OHL Season Work Around**

|  |          |          |               |   |     |        |     |   |   |          | -     |        |        |   |   |     |           |     |        |               | _   |        |          |   |     |        |   |    |               |        |              |     |   |        |     |     |   | _   |     |   |
|--|----------|----------|---------------|---|-----|--------|-----|---|---|----------|-------|--------|--------|---|---|-----|-----------|-----|--------|---------------|-----|--------|----------|---|-----|--------|---|----|---------------|--------|--------------|-----|---|--------|-----|-----|---|-----|-----|---|
|  |          | <u> </u> | ,             |   |     | 201    |     |   |   |          | 4     |        |        |   |   | 201 |           |     |        |               |     |        |          |   |     | 2017   |   | Ь. | _             | _      |              |     |   |        |     | 018 |   |     | _   |   |
| SUDBURY ARENA  | MONTHS   | J        | F             | M | A M | 3      | J A | S | 0 | N        | D     | J I    | F M    | A | м | J   | J         | A S | 0      | N             | D J | I F    | м        | A | м . | J      | A | s  | 0 1           | N D    | 1            | I F | м | A B    | e J | J   | A | 5 0 | D N | D |
| SUDBURY ARENA  |          |          |               |   |     |        |     |   |   |          | _     |        |        |   |   |     |           |     |        |               |     |        |          |   |     |        |   |    |               |        |              |     |   |        |     |     |   |     |     |   |
| REFURBISHMENT PROGRAM  |          |          |               |   |     |        |     |   |   |          |       |        |        |   |   |     |           |     |        |               |     |        |          |   |     |        |   |    |               |        |              |     |   |        |     |     |   |     |     |   |
| (CONSTRUCTION MANAGEMENT DELIVERY)                           |          |          |               |   |     |        |     |   |   |          | - 1   |        |        |   |   |     |           |     |        |               |     |        |          |   |     | Т      |   |    |               |        |              |     |   |        |     |     |   |     |     |   |
|  |          |          |               |   |     |        |     |   |   |          |       |        |        |   |   |     |           |     |        |               |     |        |          |   |     | Т      |   |    |               |        |              |     |   |        |     |     |   |     |     |   |
| AFPROVAL   |          | П        |               |   |     |        |     |   |   | П        | п     | Т      | Т      |   |   |     | П         |     | Т      | П             |     | Т      |          |   |     | Т      |   |    |               | Т      | Т            |     |   | т      |     |     |   |     |     |   |
| PLANNIG  | 5        | П        |               |   |     |        |     |   |   | П        |       | Т      |        |   |   |     | П         |     |        |               |     |        |          |   |     | т      |   | П  |               |        | Т            |     | П |        |     |     |   |     |     |   |
| INVESTIGATIONS   | 7        | П        |               |   |     |        |     |   |   | П        | П     | $\neg$ |        |   |   |     | П         |     |        |               |     |        | П        |   |     | Т      |   |    |               | Т      |              |     | П |        |     |     |   |     |     |   |
| DESIGN   | 8        | П        | П             |   |     |        |     |   |   |          |       | $\neg$ |        |   |   |     | $\neg$    |     |        |               |     |        |          |   |     |        |   |    |               |        |              |     |   | $\top$ |     |     |   |     |     |   |
| PROCUREMENT  | 3        | П        |               |   |     |        |     |   |   | П        | 7     |        |        |   |   |     | $\exists$ |     |        |               |     |        |          |   |     | $\top$ |   |    |               |        |              |     | П |        |     |     |   |     |     |   |
| CM - CONSTRUCTION  |          |          | $\neg$        |   |     | П      |     |   |   | П        |       | Т      |        |   |   |     | $\neg$    |     |        |               |     |        |          |   |     | Т      |   |    |               | Т      |              |     |   |        |     |     |   |     |     |   |
| NEW BUILD SEQUENCE 1   | 5        | П        | $\neg$        |   |     |        |     |   |   | П        | 7     | $\top$ | $\top$ |   |   |     |           |     | $\top$ |               |     | $\top$ |          |   |     | $\top$ |   |    | $\neg$        | $\top$ |              |     | П |        |     |     |   |     |     |   |
|  |          | $\Box$   | $\neg$        |   |     |        |     |   |   | П        | -1    |        |        |   |   |     |           |     |        |               |     |        |          |   |     |        |   |    |               |        |              |     |   |        |     |     |   |     |     |   |
| RENOVATION SEQUENCE 1  | 5        | $\Box$   | $\neg$        |   |     | П      |     |   |   | П        | -1    | $^{+}$ | $\top$ | П |   |     |           |     | +      | $\Box$        |     | $\top$ |          |   |     |        |   |    | $\neg$        | $\top$ |              |     | П |        |     |     |   |     |     |   |
|  |          | $\Box$   | $\neg$        |   |     | П      |     |   |   | П        | 7     | $\top$ | $\top$ |   |   |     | _         |     | $\top$ |               |     | $\top$ | П        |   |     | $\top$ |   | П  | $\neg$        | $\top$ |              |     | П | $\neg$ |     |     |   |     |     |   |
| RENOVATION SEQUENCE 1A (east bleachers)                      | 3        | П        | $\neg$        |   |     | П      |     |   |   | П        | -1    | $^{-}$ | $\top$ |   |   |     |           |     | $^{+}$ | $\Box$        |     | $\top$ | П        |   |     |        |   | П  | $\neg$        | $\top$ |              |     | П | $^{-}$ |     |     |   |     |     |   |
|  |          | $\Box$   | $\forall$     |   |     | $\Box$ | _   |   |   | Н        | _     | $^{+}$ | +      |   |   |     | 7         |     | +      | +             |     | +      | П        |   |     |        |   | П  | $\rightarrow$ | $\top$ | $^{\dagger}$ |     | П | $^{+}$ |     |     |   |     |     |   |
| NEW BUILD SEQUENCE 2 (M8E switch over Aug 31, 2017)          | 12       |          | $^{+}$        |   |     | Н      | _   |   |   |          | -1    | $^{+}$ | +      |   |   |     | _         |     |        |               |     |        |          |   |     |        | _ | Н  | $\neg$        | +      | +            |     | П | _      |     |     |   |     |     |   |
|  |          | Н        | $\neg$        |   |     |        |     |   |   | Н        | -1    | $^{+}$ | +      |   |   | Н   | $\exists$ |     | _      | ш             |     |        |          |   |     |        |   |    | $\neg$        | $^{+}$ |              |     | П |        |     |     |   |     |     |   |
| RENOVATION SEQUENCE 2  | 6        | $\Box$   | $\forall$     |   |     | ш      | _   |   |   | Н        | -1    | +      |        |   |   | Н   | _         |     | _      |               |     | +      |          |   |     |        | _ | Н  | $\neg$        | +      | $^{+}$       |     | П | _      |     |     |   |     |     |   |
|  |          |          | $\forall$     |   |     |        |     |   |   | Н        | -1    | $^{+}$ |        |   |   |     | _         |     |        |               |     |        | П        |   | •   |        |   |    |               | $^{+}$ |              |     | П |        |     |     |   |     |     |   |
| NEW BUILD SEQUENCE 2A  | 13       | $\Box$   | $\dashv$      |   | _   | $\Box$ | _   |   |   | Н        | -1    | $^{+}$ | +      |   |   | Н   | _         |     | +      | $\overline{}$ |     | +      | Н        |   |     |        | _ |    |               |        |              |     |   |        |     |     |   |     |     |   |
|  |          | $\Box$   | $\neg$        |   | _   | $\Box$ | _   |   |   | Н        | _     | $^{+}$ | +      |   |   | Н   | $\neg$    |     | +      | $\vdash$      |     | +      | Н        |   |     |        | _ |    | _             | Ť      |              |     |   | _      |     |     |   |     | +   |   |
| RENOVATION SEQUENCE 38 (Suites unavailable for 16/17 season) | 4        | $\vdash$ | $\dashv$      |   | +   | Н      | _   |   |   | Н        | -1    | +      | +      |   |   |     | _         |     | +      | +             |     | +      |          |   |     |        | _ |    | $\pm$         | +      |              |     | П | _      |     |     |   |     |     |   |
|  |          | $\Box$   | $\rightarrow$ |   | +   |        | -   |   |   | $\vdash$ | -1    | +      | +      |   |   | Н   | _         |     | +      | +             |     | +      |          |   | -   | •      | • |    | $\pm$         | +      |              |     | П | _      | +   |     |   |     |     |   |
| RENOVATION SEQUENCE 3  | 4        | $\vdash$ | $\rightarrow$ |   | +   | Н      | _   |   |   | $\Box$   | -     | +      | +      |   |   | Н   | $\dashv$  |     | +      | +             |     | +      | Н        |   |     |        |   | Н  | $^{+}$        | +      | +            |     | Н | _      | +   |     |   |     |     |   |
|  |          | $\Box$   | +             |   | +   | Н      | -   |   |   | Н        | -1    | +      | +      |   |   | Н   | -         | _   | +      | +             |     | +      | Н        |   | -   |        | - | Н  | _             | +      | +            |     | Н | -      |     |     |   |     |     |   |
| RENOVATION SEQUENCE 3A                                       | 4        | $\vdash$ | +             | _ | +   |        | -   |   |   | Н        | -     | +      | +      |   |   | Н   | _         | _   | +      | +             |     | +      | Н        |   | +   | +      |   | Н  | +             | +      | +            | +   | Н |        |     |     |   |     |     |   |
|  |          | $\vdash$ | +             |   | +   | Н      | -   |   |   | $\vdash$ | -     | +      | +      |   |   | Н   | -         |     | +      | +             |     | +      |          |   | +   | +      | - |    | +             | +      | +            | +   | Н | -      | +   |     |   | +   |     |   |
| NEW MECHANICAL & ELECTIFICAL INSTALLATION                    | 29       | $\vdash$ | $^{+}$        | _ | +   |        | _   |   |   | $\vdash$ | -     | +      | +      |   |   |     | _         | _   |        |               |     |        |          |   |     | -      | _ |    |               |        |              |     |   |        |     |     |   |     |     |   |
|  |          |          | +             |   |     |        |     |   |   | Н        | -     |        |        |   |   |     |           |     |        |               |     |        |          |   |     |        |   |    | $\neg$        |        |              |     |   |        |     |     |   |     |     |   |
| REMOVE / DISMANTLE EXISTING MECHANICAL & ELECTRICAL          | 12       |          | +             |   |     |        |     |   |   | $\vdash$ | -     |        |        |   |   |     |           |     |        |               |     | +      | $\vdash$ |   |     |        |   |    |               |        |              |     |   |        |     |     |   |     |     |   |
|  |          | +        | +             |   |     |        |     |   |   | $\vdash$ | $\pm$ | +      |        |   |   |     |           |     |        |               |     | +      | Н        |   | +   | +      |   |    | $\dashv$      |        |              |     |   | -      |     |     |   | +   |     |   |
| FINAL COMMISSIONING  | 4        |          | $\pm$         |   |     |        | -   |   |   |          | -     | +      | +      |   |   |     | -         |     |        |               |     | +      |          |   | +   |        |   |    | +             | +      | +            |     |   | -      |     |     |   |     |     |   |
|  | <u> </u> | +        | +             |   |     |        |     |   |   | $\vdash$ | +     | +      | +      |   |   |     | -         |     | +      |               |     | +      | $\vdash$ |   |     |        |   |    | +             | +      | +            |     |   |        |     |     |   |     |     |   |
| PROJECT CLOSE OUT  | 3        | $\vdash$ | +             |   |     |        |     |   |   | $\vdash$ | -     | +      | +      |   |   |     | -         |     | +      |               |     | +      | $\vdash$ |   |     | +      |   |    | +             | +      | +            |     |   |        | +   |     |   |     |     |   |
| FROZELI CEOSE OUI  |          |          | _             |   |     |        |     |   |   | ш        | _1    |        |        |   |   |     |           |     |        |               |     |        |          |   |     |        |   |    |               |        |              |     |   |        |     |     |   |     |     |   |



#### Sequence Program







### Market Comparable Refurbishments

#### **North Bay Memorial Gardens**

| Built in 1955           | Super Suite - 10 open air rooms overlooking the ice surface - 60 capacity |
|-------------------------|---|
| Ice Surface - 200' x 85 | Spectator Capacity - 4,250 for hockey events & 5,000 for concerts         |

#### \$16.5M Refurbishment - Completed 2013

| ·  |   |
|--|---|
| Additional 140 standing-room locations   | New seats, including the addition of 570 seats in south end and 180 rink-side seats |
| Installation of an HVAC system   | An expanded entrance between the existing access doors and the north end            |
| A reconfigured ice surface measuring 200' x 85'  | 10 suites and a media box on the west side  |
| A Batallion dressing-room complex incorporating two levels that will house a fitness rooms, study area, and lounge; team administrative; video boards above centre ice | A new elevator and common meeting rooms   |

#### **Risks**

Mitigate Scope Creep, Contain Cost, Maintain Schedule





### Market Comparable Refurbishments

#### **Peterborough Memorial Centre**

| Built in 1956           | 24 luxury box suites                                  |
|-------------------------|---|
| Ice Surface - 200' x 85 | Spectator Capacity - 3,729 (4,329 with standing room) |

#### \$13.3M Refurbishment - Completed 2003

| ·                                       | •                                |
|---|----------------------------------|
| Creation of New Modern Concession Areas | Group Sales Viewing Area         |
| 24 Luxury Suites                        | Licensed Restaurant              |
| Club Seating Section                    | Installation of Air Conditioning |
| New Seats Throughout                    | New Rink Boards                  |
| New Sound System and Time Clock         | Renovated Box Office             |

#### **Risks**

Mitigate Scope Creep, Contain Cost, Maintain Schedule



### Market Comparable Refurbishments

| Kitchener Memorial Auditorium Complex |   |  |  |  |  |  |  |  |
|---------------------------------------|---|--|--|--|--|--|--|--|
| Built in 1951                         | 26 luxury suites  |  |  |  |  |  |  |  |
| Ice Surface - 200' x 85               | Spectator Capacity – 7,234 for hockey events & 8,462 for concerts |  |  |  |  |  |  |  |

| \$12.0M Refurbishment - Completed 2012                     |  |  |
|--|--|--|
| 7 stage construction program maintaining the OHL schedule. | Concessions and washrooms  |  |
| Expanded seating (968)                                     | Dressing room  |  |
| New concourses   | Medical and training facilities  |  |
| Media areas  | New heating and cooling system to improve fan comfort and ice quality. |  |

#### **Risks**

Contain Scope, Contain Cost, Maintain Schedule



## **New Build Comparable**

|                  | St. Catharines<br>Meridian Centre (2014)   | Medicine Hat<br>Regional Event Centre (2015)  |
|------------------|--|---|
| Building Program | 160,000 sf   | 194,000 sf  |
| Game Seats       | 5,300 seats (4,500 fixed, 800 retractable)   | 5,890 seats   |
| Concert Seating  | 6,000 seating  | 7,055 seating   |
| Suites           | 25   | 22  |
| Dressing Rooms   | OHL Home & Visitors Dressing Rooms (tenant IceDogs)  | WHL Home & Visiting Dressing Rooms (tenant Tigers)  |
| Ceiling Height   | 52ft (current entertainment standard   | 52ft (current entertainment standard)   |
| Stalls           | 60 stalls on site & 4 bus parking (links to city owned parking)  | 1,400 parking spaces & 6 bus parking  |
| Project Delivery | Design / Build<br>Project Management & Advocacy  | Design / Build<br>Project Management & Advocacy   |
| Schedule         | Duration: 32 Months<br>PM Awarded: Feb. 2012   Occupancy: Oct. 2014  | Duration: 42 Months<br>PM Awarded: Feb. 2012   Occupancy (forecast): Aug. 2015  |
| Cost             | Design / Construction: \$47.5M (Building \$46.5M + Site \$1.0M)<br>Other: \$4.5M (FFE, Contingencies, Other)<br>Total Capital Budget: \$52.0M (\$8,775 per seat building cost) | Design / Construction: \$61.4M (Building \$56.4M + Site \$5.0M)<br>Other: \$13.4M (FFE, Contingencies, Other)<br>Total Capital Budget: \$74.9M (\$9,575 per seat building cost) |
| Funding Source   | Capital Reserves (\$46.0M) Grants (\$1.0M) Fundraising (\$5.0M)  | Capital Reserves (\$62.5M) Grants (\$2.4M) Fundraising (\$10.0M)  |



### **Retrofit Option**

# Selected Upgrades to the existing Community Arena 10 year time horizon

| Accessibility – Improvements & new elevator/lift   | \$630,000                                  | CCI - BCA 2013 estimate – elevator is assumed to be external to the existing structure  |
|--|--|---|
| Washrooms additions and upgrade  | \$1,350,000                                | Scope includes adding 3,900sf or 15% of existing space to the service function. Cost does not include infrastructure work for new sanitary system.  |
| Install a dehumidification system  | \$750,000                                  | Cost is an based on a recent City estimate for the installation   |
| New backup generator system (life & safety system)   | \$275,000                                  | Existing electrical distribution system has been upgraded over time – may be difficult to tie-in  |
| Enhancements/improvements to loading / unloading/docking area for events                           | \$3,000,000                                | A new exterior ramp to event level would be installed – newly created staging and transfer areas would displace existing functional areas   |
| Building Condition Report CCI (2013)     a. Short term 1 to 5 years     a. Long term 6 to 10 years | \$1,745,000<br>\$1,450,000                 | Includes internal building system and building envelop areas. Items identified electrical, mechanical, plumbing system, refrigeration plan, repairs and replace items, life / safety, roof, exterior walls and grounds. |
| Subtotal Design, PM and contingencies (at 30%) Total   | \$9,200,000<br>\$2,760,000<br>\$11,960,000 | The opinion of cost provided is a desktop estimate based on the cost to perform similar work and on estimates provided by CCI in their 2013 BCR 2013.   |





#### Comparison Summary

#### **REFURBISHED OPTION**

Approx. \$50M

Project > 5 years (Phased Construction 48 months)

Significant Cost & Schedule Risk

**Construction Management** 

New Construction Envelop Existing Building Envelop, Seating Structure & Refrigeration plant & ice pad

Cost / Benefit Value Proposition
Difficult to Justify

#### **RETROFIT OPTION**

Approx. \$12M

Over 10 years

Moderate Cost Risk

Construction Management &

Design Bid Build

**Building Condition Report** 

- Life Safety
- Capital Replacement
- Accessibility

Remains primarily an Arena with limited event opportunity growth

#### **NEW BUILD OPTION**

Approx. \$55M to \$65M

Project > 2 1/2 to 3 1/2 years (Construction 24 - 30 months)

Normal Construction
Cost and Schedule Risk
Design Bid Build
or
Design - Build (Comparables)
or
Public Private Partnership (PPP)
(DBO-F-M)

PPP - Project Screening Required
Value For Money Analysis (Go-No Go)
Planning & Procurement 12 to 18
months lead time
Construction same as Design - Build

Provides new opportunities for events
– facility designed as multi-purpose



#### Next Step

- 1.Pursuant to a Refurbishment Option > validate assumption and attempt to mitigate risk through site investigations
- 1.Pursuant to a New Build options > assess project delivery methodology > screen the proposed new build for a PPP
- 1.Pursuant to a Retrofit Option > develop a workplan based on priorities



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