



REPORT

TO: Mayor Lawlor and Members of Council

FROM: Aaron Matthews, Director of Facilities

DATE: January 22, 2024

REPORT NO.: RP-2024-001

SUBJECT: Electric Ice Resurfacer Purchase, Single Source Approval

RECOMMENDATION:

THAT Report No. RP-2024-001 dated January 22, 2024 regarding the Electric Ice Resurfacer Purchase – Single Source be received;

AND FURTHER THAT staff recommend the award of a contract for one (1) 2024 Olympia Millennium E ice resurfacer machine and one (1) charging unit from Resurfice Corporation of 25 Oriole Parkway East, Elmira, ON for a total amount of \$147,895 plus applicable taxes;

AND FURTHER THAT the standardization of ice resurfacer units used at Town of Halton Hills facilities are manufactured and supplied by Resurfice Corporation of 25 Oriole Parkway East, Elmira, ON.

AND FURTHER THAT the Purchasing Policy requirement for competitive ice resurfacer pricing be waived for this purchase per the rationale outlined in Report RP-2024-001;

AND FURTHER THAT the Manager of Purchasing be authorized to issue a purchase order for the supply and delivery of one 2024 Olympia Millennium E ice resurfacing machine and one (1) charging unit from Resurfice Corporation of 25 Oriole Parkway East, Elmira, ON to an upset limit of \$147,895 plus applicable taxes;

KEY POINTS:

The following are key points for consideration with respect to this report:

- The new Ice Resurfacers Millennium E will replace a 2014 natural gas powered unit model that is at end of life.
- The electric model Ice Resurfacers Millennium Model E is a full electric powered unit.
- An electric ice resurfacers will contribute to the Greenhouse Gas (GHG) reduction targets as identified in 2021 Roadmap to Net Zero Ice Rinks Study-Mold-Masters SportsPlex.
- Standardizing equipment from the same manufacturer (Resurfacers-Olympia) contributes to efficiencies and cost savings when considering repairs, maintenance and equipment training for staff.
- According to the purchasing policy, a single source, sole source and standardization of product purchase greater than \$50,000 (including tax), must be approved by Council.
- An inclusive list of these exceptions to the competitive bid process may be found within the Purchasing Policy (PLCY-2022-003-03)-Schedule 1
- Under the same Schedule 1, Standardization is the adoption of a single product or group of products to be used by one department or more departments over a period of time. The replacement of a vendor for these goods or services cannot be made for economic or technical reasons and would cause significant inconvenience or substantial duplication of cost for the Town.

BACKGROUND AND DISCUSSION:

To adequately maintain 6 full ice surfaces and 1 leisure pad the Town operates and manages a fleet of 5 Ice Resurfacers, 3 at Mold-Masters SportsPlex and 2 at the Acton Arena & Community Centre. The current fleet is comprised of all Olympia model machines manufactured and supplied by Resurfacers of Elmira, Ontario. All the current units are powered by natural gas. To reduce Greenhouse Gas (GHG), and in an effort to move toward net-zero a recommendation was made in the Mayors Megawatt Challenge, Roadmap to Net Zero Ice Rinks-MMSP report to utilize electric versus gas powered ice resurfacers. After evaluation the selected manufacturer and model is the Olympia Millennium model E from Resurfacers which is a lithium ion battery powered electric model.

Several years ago, the Town standardized the Ice Resurfacers equipment used to be exclusively the Olympia model. Staff had reviewed the various makes and models available and determined that the Olympia unit manufactured by Resurfacers to be the most suitable and reliable. In reviewing the newer electric models that are now available in the industry and consulting with existing electric model users in the surrounding communities staff determined that the Olympia Millennium Model E electric machine remains as the best choice. Staff continue to be satisfied with Olympia's service and products, which have continued to provide reliable, affordable service and excellent ice production results.

The specific benefits for standardizing manufacturers for ice refinishing equipment and selecting the Olympia Millennium Model E specifically includes:

- It allows our Facility Operator personnel to be familiar with the operation of one type of machine. The Millennium E operates very similar to the Millennium H natural gas model currently in operation. As the Facility Operators may be assigned to any of our ice facilities at any given time to fill schedule requirements, it is preferred for operations to have the same manufacturer's machine at all facilities thus reducing the requirement of further training;
- Having the ice resurfer from one manufacturer allows the Town to stock parts for one type of machine as opposed to two. It also allows our staff to become more familiar and versed with the standardized equipment when trouble shooting and performing minor repairs. The Millennium E uses many of the same parts as the existing Millennium H model;
- The chassis and frame on the Olympia machines are made from stainless steel;
- The laser level system on the outgoing/retired model can be transferred to the Millennium E model resulting in savings.
- The lithium ion battery packs on the Millennium E require less frequent replacement than the lead acid batteries found on some competitor models.
- The width of the ice blades on the Olympia machines is 84 inches wide and wider than those available on other machines. If we were to have two different types of ice resurfacers, we would be required to replace a portion of our ice blade inventory at an additional cost. With our current inventory we can move blades from one arena to another when necessary, which helps our operations to continue uninterrupted. Millennium E uses the same blades as the other Olympia units in the Town inventory;
- The Olympia machine has a larger water and snow tank compared to competitors. The enhanced size of these features affords an operator greater flexibility with regards to tasks and decisions regarding ice maintenance;
- Ice making spray bar system used on current natural gas-powered machines is interchangeable onto the Millennium E unit.
- Resurface will respond to a service call within 4 hours and will often make the decision to make repairs on site. This reduces potential down time of a unit. Other suppliers do not service the machines on site. All repairs are made in their shop resulting in greater potential for extended down time and the automatic incurring of additional transportation charges;

- Resurface accepts their used machines for trade in value. This is of value to the operation in future years when units of this ice resurfacer fleet are being replaced. Resurface will trade in the outgoing gas powered model for \$10,000;
- The Staff feel that the Olympia machines are safer to operate as they offer good sight lines for the driver and can only be engaged to operate when the driver is safely seated. Other units do not have this feature to prevent drivers from standing during operation.

In conclusion, staff are recommending the award of contract for an Olympia Millennium E ice resurfacer machine from Resurface Corporation. Delivery is expected to take twelve to fifteen (12-15) months from the date the purchase order is issued.

STRATEGIC PLAN ALIGNMENT:

This report identifies infrastructure and asset management as one of the Town's Strategic priorities.

RELATIONSHIP TO CLIMATE CHANGE:

This report impacts and/or helps address climate change and the Town's Net Zero target through corporate energy savings.

PUBLIC ENGAGEMENT:

Public Engagement was not needed as this report is administrative in nature.

INTERNAL CONSULTATION:

Recreation and Parks staff consulted with the Manager of Purchasing on standardizing equipment and single sourcing a product and with its Financial Analyst in Corporate Services regarding capital budget implications.

FINANCIAL IMPLICATIONS:

This report will be funded through an existing approved budget source.

Through the 2024 capital budget, Council approved \$54,00 for project 8200-06-0104 and \$183,000 for project 8200-25-0101, for the purchase of an electric model Ice Resurfacer and charging station.

As presented in the table below, projects 8200-06-0104 and 8200-25-0101 have a remaining capital budget of \$220,000 after previous commitments. The project costs will

include equipment purchases provided by Olympia Millenium E and Resurface Corporation totaling \$147,895 plus \$2,603 non-recoverable HST at 1.76%. The total estimated project cost of \$150,498 can be fully funded within the approved budgets.

Description	Amount
Approved Budget	237,000
Previously committed expenses	17,000
Current balance	220,000
Estimated Expenses	
Olympia Millennium E	
Ice Resurfacer Machine	
Resurface Corporation	
Charging Station	147,895
Non-recoverable HST (1.76%)	2,603
Total estimated expenses	150,498
Remaining Budget	69,502

The Town will receive \$10,000 trade in value for the outgoing/retired machine.

Resurface Corporation have offered a 1% discount if paid in full within 7 days of delivery.

Reviewed and approved by,

Bethany Yew, Manager of Purchasing

Moya Jane Leighton, Director of Finance & Town Treasurer

Stephen Hamilton, Manager of Facility Capital Projects

Stephen Hamilton, Manager of Facility Capital Projects

Chris Mills, Chief Administrative Officer