# CORPORATE REPORT

<table>
<thead>
<tr>
<th>DEPARTMENT:</th>
<th>Community Services</th>
<th>REPORT NO.</th>
<th>2016.96</th>
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</thead>
<tbody>
<tr>
<td>DATE PREPARED:</td>
<td>December 5, 2016</td>
<td>MEETING DATE:</td>
<td>December 12, 2016</td>
</tr>
<tr>
<td>NO. OF PAGES</td>
<td>1 of 1</td>
<td></td>
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<td>SUBJECT:</td>
<td>NorWest Recreation Centre – Water for Making Ice</td>
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**RECOMMENDATION**

**FOR COUNCIL DIRECTION**

**PURPOSE**

To obtain council approval to install a RO membrane system at the NorWest Recreation Centre to reduce the mineral content of the ice making water.

**BACKGROUND**

At the Council Meeting (2017 Operating and Capital Budget) meeting held on November 22, 2016, it was noted a complaint had been received regarding the puck sticking on the ice at the Arena. It was suggested at that time a treatment system for the ice making water be looked into.

**REPORT SUMMARY**

The water has been tested and it is very high in mineral content. The ideal mineral content for ice making is < 100 mg/l and the water at the arena is 775 mg/l, so after the flooding now it takes longer than normal for the ice to set up. Jet Ice has been contacted for a quote and their system is $30,000. A local company quoted $9,000 for a RO membrane system that will bring the mineral content down to 75 mg/l which is well below the standard for ice making water. This system will take care of the current ice issues.

If approved this item would need to be added to the 2017 Capital Budget.

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**PREPARED BY:** Kyle Bushby, Community Services Supervisor

**REVIEWED BY:** [Signature]

Margaret (Peggy) Dupuis, Chief Administrative Officer/Clerk