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# Town of Pelham

## Arena Facility Provision Strategy

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***2015 Update***

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LeisurePlan International Inc.

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*The Corporation of the Town of Pelham*

***Arena Facility Provision Strategy***

***2015 UPDATE***

**June 2015**

**Prepared by  
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## EXECUTIVE SUMMARY

The Corporation of the Town of Pelham (“the Municipality”) retained LeisurePlan International Inc. in 2013 to determine the demand for indoor ice time and indoor ice facilities in Pelham for a ten year period and to prepare a business plan for future municipal indoor ice service provision.

Total additional demand for prime time and non-prime time ice was established for three time periods: “current” (2013), “short term future” (2014/15 to 2018/19), and “long term future” (2019/20 to 2023/24). Total ice time demand was established by analyzing: the results of a Survey of Arena User Groups and Associations; municipal ice pad utilization; demographic trends (e.g. historic population growth); and national, provincial and local trends in indoor ice related programs and activities. The findings of the 2013 research established that prime time ice on the existing ice pad was essentially utilized 100% and that non-prime time was utilized 45%.

The 2013 research concluded that based on an analysis of additional demand for prime time ice among existing ice user groups in Pelham, and incorporating consideration of the impact that proposed population growth in Pelham may have on the future demand for prime time ice utilization, a second ice pad would be required just beyond the long term future (2019/20 to 2023/24).

Since the 2013 research was completed, one of the major ice user groups (Pelham Minor Hockey) has changed their estimate of the amount of additional prime time ice they require, and a junior hockey club (Pelham Panthers Junior Hockey Club) was established. The junior hockey club’s ice time allocation displaced a number of hours of prime time ice from the allocations of four ice user groups (Pelham Minor Hockey, the Niagara Centre Skating Club, the Municipality’s public skating program and a men’s recreational hockey group), and the junior hockey club has requirements for additional ice time in the future.

Given these changes, the Municipality retained LeisurePlan International Inc. in 2015 to update the previous research to determine whether a second ice pad is required earlier than the “long term future” (2019/20 to 2023/24). The 2015 Update research included a survey of ice/arena user groups to identify any potential changes in groups’ ice time/arena requirements since 2013.

The results of the 2015 Update research identified that total demand (including current, short term and long term future demand) for additional prime time ice has increased since the 2013 research in the order of 26.0 – 28.0 hours of new additional prime time ice per week during a full ice season (28 weeks). This increase consists of:

- An increase of 18.0-20.0 hours (from 21.0 hours in 2013 to 39.0-41.0 hours in 2015) of total **current additional demand** for prime time ice per week during a full ice season (28 weeks) compared to that identified in 2013. Additional demand for prime time ice identified in 2015 by Pelham Minor Hockey accounted for 75% of this increase (an increase of 13.0-15.0 hours per week for 28 weeks) and 25% of the
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increase (5.0 hours per week for 28 weeks) is associated with ice user requests to recover previous prime time allocations that were reduced to accommodate the new junior hockey club's prime time ice allocations.

- An increase of 4.0 hours (from 8.0 hours in 2013 to 12.0 hours in 2015) of total **short term future additional demand** for prime time ice per week during a full ice season (28 weeks).
- An increase of 2.0 hours (from 13.75 hours in 2013 to 15.75 hours in 2015) of total **long term future additional demand** for prime time ice per week during a full ice season (28 weeks).

The increased demand for prime time ice per week during a full ice season (28 weeks) identified in the 2015 Update research resulted in a revised projection of potential prime time ice utilization on a proposed second ice pad.

It is considered a best practice that a municipal ice pad is not developed until the projected utilization of prime time ice on that ice pad reaches a rate of 75% during a full ice season. The 2013 research projected that a potential second municipal ice pad may not reach 75% utilization until just beyond the long term future (2019/20 to 2023/24). The 2015 Update research concluded that, based on the information provided by the ice user groups, a potential second municipal ice pad may achieve a 75% utilization rate of prime time ice during a full ice season by the end of the short term future time period (2018/19). As a result, the 2015 Update concluded that the Municipality should consider the provision of a second ice pad by 2018/19.

The 2015 Update also identified demand for 2 additional tournament events compared to the 2013 research, specifically during the "current" time period associated with Pelham Panthers Junior Hockey Club.

Pelham Panthers Junior Hockey Club and Pelham Minor Hockey Club also identified demand for prime time ice during the summer months. The analysis concluded the magnitude of this demand was such that it did not warrant consideration of expanding the ice-in seasons in Pelham and that these requirements could be best addressed through the Clubs' use of regional ice facilities that currently provide summer ice.

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## 1.0 INTRODUCTION

The Corporation of the Town of Pelham (“the Municipality”) retained LeisurePlan International Inc. in 2013 to determine the demand for indoor ice time and indoor ice facilities in Pelham for a ten year period and to prepare a business plan for future municipal indoor ice service provision.

Total additional demand for prime time and non-prime time ice was established for three time periods: “current” (2013), “short term future” (2014/15 to 2018/19), and “long term future” (2019/20 to 2023/24). The findings of the 2013 research established that prime time ice on the existing ice pad was essentially utilized 100% and that non-prime time was utilized 45%. **The 2013 research concluded that a second ice pad would be required in the long term future (2019/20 to 2023/24).**

Total ice time demand was established by analyzing: the results of a Survey of Arena User Groups and Associations; municipal ice pad utilization; demographic trends (e.g. historic population growth); and national, provincial and local trends in indoor ice related programs and activities.

The Survey of Arena User Groups and Associations focused on the following key factors and considerations related to current and future demand for ice time in Pelham:

- User groups’ past and “current” enrolment (number of participants) in ice related programs and activities, the capacity of these programs and activities, and whether they have the capacity to accommodate additional enrolment
- User groups’ level of service provision (e.g. number of practices provided per team/class)
- Whether users were utilizing their ice time allocation effectively (i.e. the number of participants on the ice at any one time)
- Waiting lists for user groups’ programs and activities
- Proposed new programs and activities
- Existing programs and activities that were cancelled or proposed to be cancelled in the future
- The suitability of the timing/scheduling of existing ice time allocations
- User groups’ current utilization of indoor ice facilities in the Region outside Pelham

Other considerations that were taken into account in the analysis of additional ice time demand included the potential impact that a lack of unused prime time ice in Pelham in the past few years had on community based ice user groups’ inability to accommodate new participants or expand their programs thereby suppressing potential participation.

Since the 2013 research was completed, one of the major ice user groups (Pelham Minor Hockey) has changed their estimate of the amount of additional prime time ice they require, and a junior hockey club (Pelham Panthers Junior Hockey Club) was established. The junior hockey club’s ice time allocation displaced a number of hours of prime time ice from the allocations of four ice user groups (Pelham Minor Hockey, the Niagara

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Centre Skating Club, the Municipality’s public skating program and a men’s recreational hockey group). Also, the Municipality has begun providing summer ice during the month of August to accommodate some of the junior hockey club’s training programs.

Given these changes, the Municipality retained LeisurePlan International Inc. in 2015 to update the previous research to determine whether a second ice pad is required earlier than the “long term future” (2019/20 to 2023/24).

The 2015 Update research included a survey of ice/arena user groups to identify any potential changes in groups’ ice time/arena requirements since 2013. Each group was sent a copy of their previous submission from the 2013 research and asked to identify any changes. The 2015 research survey also included the new Pelham Panthers Junior Hockey Club. Table 1 summarizes the groups that participated in the 2013 and 2015 research.

**Table 1: Groups That Participated in the Research**

Pelham Arena User Groups	Groups That Participated in the Research	
	2013	2015
The Municipality	√	√
Pelham Minor Hockey	√	√
Niagara Centre Skating Club	√	√
Faith Tabernacle Hockey	√	√
Men’s Sunday Hockey	√	√
Sunday Oldtimers	√	√
Fonthill Fossils Oldtimers	√	√
Pelham Oldtimers	√	√
Pelham Pioneer Oldtimers	√	√
Arbour Thursday Hockey <sup>1</sup>	√	
Pelham Panthers Junior Hockey Club		√
E. L Crossley Secondary School		√
Marsh Hockey		√
Fonthill and District Kinsmen	√	√
Pelham Art Festival		√

This report contains the analysis, findings and conclusions of the 2015 Update research regarding ice time demand and arena facility requirements in Pelham.

<sup>1</sup> This group has disbanded since the 2013 research due to the re-allocation of their ice time.

**2.0 UPDATED ICE TIME REQUIREMENTS - CURRENT**

“Current” demand for additional ice time is comprised of the following:

- Accommodating potential additional participants on waiting lists for programs currently operating at capacity
- Moving programs provided outside Pelham back to the Town
- Re-scheduling ice time allocations
- Increasing the current level of service provision
- Provision of special events such as tournaments
- Provision of new programs

The following summarizes the updated “current” additional ice time requirements.

**2.1 Current Additional Demand – Programs at Capacity with Waiting Lists**

<b>2013 Research</b>	<b>2015 Update Research</b>
<ul style="list-style-type: none"> <li>• The Sunday Oldtimers requested additional prime time ice to accommodate potential participants on a waiting list.</li> </ul> <p>One half hour of additional prime time ice was required per week for 28 weeks during the fall, winter and spring ice season to expand the amount of time the group plays and to accommodate the potential additional participants on a waiting list.</p>	<ul style="list-style-type: none"> <li>• The demand for additional ice time identified by the Sunday Oldtimers in the 2013 research has not changed.</li> </ul> <p>In 2015, one half hour of additional prime time ice is required per week for 28 weeks during the fall, winter and spring ice season to expand the amount of time the group plays and to accommodate the potential additional participants on a waiting list.</p>
<ul style="list-style-type: none"> <li>• Faith Tabernacle Men’s Hockey requested one half hour of additional non-prime time ice per week for 28 weeks during the fall, winter and spring ice season to accommodate potential additional participants on a waiting list.</li> </ul>	<ul style="list-style-type: none"> <li>• The demand for additional ice time identified by Faith Tabernacle Men’s Hockey in the 2013 research has not changed.</li> </ul> <p>In 2015, one half hour of additional non-prime time ice per week is required for 28 weeks during the fall, winter and spring ice season to accommodate potential additional participants on a waiting list.</p>

**2.2 Current Additional Demand – Programs Provided Outside Pelham**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>• Pelham Minor Hockey required additional ice time to return a program held in St. Catharines to Pelham.</li> </ul> <p>In 2013, 4.5 additional hours of prime time ice were required per week for 16 weeks during the fall, winter and spring ice season to move Rep hockey games held in an arena in St. Catharines (due to a lack of unused prime time ice in Pelham) back to Pelham.</p>	<ul style="list-style-type: none"> <li>• The demand for additional ice time to return a program held in St. Catharines to Pelham identified by Pelham Minor Hockey in the 2013 research has not changed.</li> </ul> <p>In 2015, 4.5 additional hours of prime time ice per week for 16 weeks is required to move Rep hockey games held in an arena in St. Catharines to Pelham.</p>

The 2015 research also identified the following new demand for additional current ice time requirements associated with programs provided outside of Pelham that was not previously identified in the 2013 research:

➤ **New demand for additional ice time during the summer was identified by Pelham Minor Hockey.**

In 2015, Pelham Minor Hockey indicated that individual teams within the group rent a combined total of 88 hours of ice during the summer (May, June and August) in arenas throughout Niagara Region for practices and try-outs; they would like the Municipality to consider providing summer ice so that these activities could be provided in Pelham.

The Municipality has begun providing ice in the Pelham arena in August at the request of the Pelham Panthers Junior Hockey Club. The Club compensates the Municipality for the cost of this enhanced service.

If the Municipality were to provide ice during the months of May, June and August, a total of 1,554 hours of ice time would be provided (the ice pad operates between 5:30 am to midnight on weekdays and between 5:30 am to 12 am on weekends, representing 129.5 hours per week). Pelham Minor Hockey’s proposed use of 88 hours would result in a utilization of 6%. It is unreasonable to expect that the Municipality would provide ice during the months of May, June and August when only 6% of the ice time provided would be utilized. It would also mean that the municipal programs operated in the arena during the ice-out season would be displaced.

St. Catharines, Niagara Falls, Fort Erie and Port Colborne, all within a reasonable distance from Pelham provide summer ice and only Fort Erie reported that their summer ice is utilized 100%. A representative of Port Colborne indicated that Pelham groups such as minor hockey and adult leagues utilize summer ice in their facility. At present the Port Colborne facility is only providing summer ice in one ice pad and it is not utilized 100% and can accommodate additional use; if demand for summer ice increases they may begin to provide it

on their second ice pad. It is concluded that there is sufficient summer ice provided in the Region to accommodate any demand for summer ice among Pelham Minor Hockey.

➤ **New demand for ice time was identified by the Niagara Centre Skating Club.**

Since the 2013 research, the Niagara Centre Skating Club relinquished 1.5 hours of prime time ice per week at the Pelham Arena to the Pelham Panthers Junior Hockey Club. The Skating Club was able to acquire 1.5 hours of prime time ice per week in an arena in Welland. It is reasonable to assume that if unused prime time ice were available in Pelham, the Skating Club may return to the Pelham Arena, allowing participants in the Skating Club to participate close to home.

It is concluded that 1.5 additional hours of prime time ice per week for 28 weeks is required to move the Skating Club’s program back to Pelham.

**2.3 Current Additional Demand – Re-Scheduling Ice Time Allocations**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>• Pelham Minor Hockey requested that their early weekday morning ice time allocation be re-scheduled for later in the day (i.e. after 4 pm).</li> </ul> <p>It was concluded that if additional prime time ice is provided in Pelham in the future, the Municipality should consider re-scheduling Pelham Minor Hockey’s 10 hours of ice time from weekday mornings to a time period during prime time that is appropriate for children and youth.</p>	<ul style="list-style-type: none"> <li>• The request for re-scheduling ice time identified by Pelham Minor Hockey in the 2013 research has not changed.</li> </ul> <p>If additional prime time ice is provided in Pelham in the future, the Municipality should consider re-scheduling Pelham Minor Hockey’s 10 hours of ice time from weekday mornings to a time period during prime time that is appropriate for children and youth.</p>
<ul style="list-style-type: none"> <li>• Arbour Thursday Night Hockey requested moving their program from a non-prime time start time (i.e. 11 pm) to a prime time start time (i.e. 10:30 pm) in response to their participants’ concerns associated with the undesirable timing of their ice allocation and the negative impact it had on participation.</li> </ul>	<ul style="list-style-type: none"> <li>• The request for re-scheduling ice time identified by Arbour Thursday Night Hockey in the 2013 research has changed.</li> </ul> <p>The group relinquished their ice time in the Pelham Arena for the Pelham Panthers Junior Hockey Club and disbanded. If additional prime time ice is provided in Pelham in the future, it is reasonable to assume that a new adult recreational hockey group may form, requiring 1.0 hours of prime time ice.</p>

The 2015 research also identified the following new demand for additional ice time requirements associated with re-scheduling ice time allocations that was not previously identified in the 2013 research:

➤ **A new request for re-scheduling ice time was identified by the Pelham Panther Junior Hockey Club.**

The Pelham Panther Junior Hockey Club has been allocated 3.0 hours of prime time ice per week for practices from 4-5:30 pm on Tuesday and Wednesday evenings. The Club would like to re-schedule this ice time to 5-6:30 as they indicated that 4 pm is too early for their coaches to reach the arena after work. The 5-6:30 pm time slots on Tuesday and Wednesday are currently allocated to the Niagara Centre Skating Club and Pelham Minor Hockey. The Municipality could facilitate discussions between the Junior Hockey Club, the Skating Club and Minor Hockey regarding the potential for trading ice time allocations.

**2.4 Current Additional Demand – Increasing the Current Level of Service**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>The Municipality requested additional ice time to expand the public skating program.</li> </ul> <p>The Municipality identified a need for a total of 2.0 to 3.0 additional hours of prime time ice per week for 28 weeks during the fall, winter and spring ice season to provide two additional public skating sessions (one during the week and one on the weekend).</p> <p>Based on the number of participants during many public skating sessions approaching capacity and the projected growth in population, it was assumed that at least one additional session (1.5 hours) may be required per week to accommodate potential additional participants.</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time identified by the Municipality in the 2013 research associated with the public skating program has changed.</li> </ul> <p>The Municipality still requires at least 1.5 additional hours of prime time ice per week for 28 weeks to provide at least one additional public skating session. However, the Municipality re-allocated weekday public skating times (2.5 hours per week) to non-prime time in order to provide ice time for the Junior Hockey Club. It is concluded that a total of at least 4.0 additional hours of prime time ice per week may be required for 28 weeks during the fall, winter and spring ice season for the Municipality to once again provide public skating during prime time during the week and at least one additional public skating session.</p>
<ul style="list-style-type: none"> <li>Pelham Minor Hockey required additional ice time in 2013 to increase their level of service associated with practices and specialized clinics.</li> </ul> <p>The group’s hockey teams indicated that they use approximately 75 hours of prime time ice in communities in Niagara Region, primarily for practices and specialized clinics. The 2013 research allowed for 10.0 additional <i>prime time</i> hours of ice per week for 10 weeks during the winter ice season to provide for an increase in the number of practices</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time identified by Pelham Minor Hockey in the 2013 research associated with practices and specialized clinics has changed.</li> </ul> <p>An assessment of the group’s updated requirements results in a requirement for 9.0 to 11.0 additional prime time hours of ice per week for the full 28 weeks during the fall, winter and spring ice season to provide for an increase in the number of practices for each of the group’s</p>

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for each of the group's existing five Rep hockey teams from one hour per week to two hours per week; this represented 100 hours of prime time ice. This should accommodate all of the group's requirements for additional practices, specialized clinics and the occasional game.

existing five Rep hockey teams and some house league hockey teams. This should also accommodate all of the group's requirements for specialized Rep hockey clinics and the occasional game.

The 2015 research also identified the following new demand for additional ice time requirements associated with increasing the current level of service that was not previously identified in the 2013 research:

➤ **New demand for additional ice time was identified by Pelham Panthers Junior Hockey Club.**

The Pelham Panthers Junior Hockey Club would like to provide three new programs in Pelham, rookie skates, summer skates and summer weekly skills camp for their Club. The rookie skates would require 10.0 hours of prime time ice for one week during April, 3.0 hours of prime time ice for 10 weeks during the summer and 4.5 hours of prime time ice for 20 weeks during the summer. The Club has not been able to provide these programs to date as ice is not provided in the Pelham Arena during the spring after the month of March or in the summer before mid August.

It would not be reasonable for the Municipality to provide ice during its typical ice-out season for a relatively small number of hours per week. It should also be noted that most of the arenas in surrounding communities that provide ice during Pelham's ice-out season are not utilized 100% and can accommodate additional use. The Club is currently able to provide rookie skates and summer skates in arenas located outside of Pelham.

**2.5 Current Additional Demand – Provision of Special Events**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>• Pelham Minor Hockey hosts three tournaments each year. Over the years as the demand for prime time ice in Pelham increased, and the amount of prime time ice provided remained the same, Pelham Minor Hockey held an increasing proportion of their tournaments in arenas outside the Town. In the 2013 research, one of their tournaments was held entirely out of town and a small proportion of a second tournament was held out of town.</li> </ul> <p>30.0 additional hours of prime time ice were required over 3 weeks during the fall, winter, spring ice season for Pelham Minor Hockey to hold their hockey tournaments in Pelham.</p>	<ul style="list-style-type: none"> <li>• The demand for additional ice time associated with tournaments identified by Pelham Minor Hockey in the 2013 research has changed.</li> </ul> <p>In 2015, 18.0 additional hours of prime time ice is required over 1 weekend in December and 56.0 additional hours of prime time ice is required over 1 week in January (a total of 74.0 hours) for Pelham Minor Hockey to hold their hockey tournaments in Pelham.</p>
<ul style="list-style-type: none"> <li>• Faith Tabernacle Men’s Hockey indicated that they would like to hold a hockey tournament. The group had not been able to hold a tournament in the Pelham Arena due to a lack of unused prime time hours. They do not currently hold a tournament in any other indoor ice facilities in the Region.</li> </ul> <p>21.0 additional hours of prime time ice were required over one weekend during the winter ice season for the group to hold a hockey tournament.</p>	<ul style="list-style-type: none"> <li>• The demand for additional ice time associated with a tournament identified by Faith Tabernacle Men’s Hockey in the 2013 research has not changed.</li> </ul> <p>In 2015, 21.0 additional hours of prime time ice are required over one weekend during the winter ice season for the group to hold a hockey tournament.</p>

The 2015 research also identified the following new demand for additional ice time requirements associated with special events that was not previously identified in the 2013 research:

➤ **New additional ice time demand was identified by The Pelham Panthers Junior Hockey Club.**

The Pelham Panthers Junior Hockey Club would like to hold two hockey tournaments, a Midget tournament and a men’s tournament. The group has not been able to hold these tournaments in the Pelham Arena due to a lack of unused prime time hours. They do not currently hold a tournament in any other indoor ice facilities in the Region. 55.0 additional hours of prime time ice are required over two weekends during the fall, winter and spring ice season for the group to hold two hockey tournaments.

**2.6 Current Additional Demand – Proposed New Programs/Activities**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>The Municipality has not been able to develop new indoor ice related programs for years during prime time due to a lack of unused prime time ice.</li> </ul> <p>It was assumed that the Municipality may require at least 3.0 additional hours of prime time ice per week for 28 weeks during the fall, winter and spring ice season to develop new programs.</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time associated with new programs and activities identified for the Municipality in the 2013 research has not changed.</li> </ul> <p>At least 3.0 additional hours of prime time ice is required per week for 28 weeks during the fall, winter and spring ice season for the Municipality to develop new programs.</p>
<ul style="list-style-type: none"> <li>Pelham Minor Hockey wanted to develop two additional new programs for children and youth (a goalie school and powerskating) and two additional new programs for adults (a men’s hockey league and a women’s hockey league) but were not able to due to a lack of unused prime time ice.</li> </ul> <p>A total of 7.0 additional hours of prime time ice was required per week for 16 weeks during the winter ice season (5.0 hours per week for power skating for a projected 250 participants and 2.0 hours per week for a goalie school for a projected 16 participants) for the new children and youth programs.</p> <p>A total of 6.0 additional hours of prime time ice may be required per week for 28 weeks during the fall, winter and spring ice season for Pelham Minor Hockey to provide: a new men’s hockey league (3.0 hours per week) for a projected 68 participants and a new women’s hockey league (3.0 hours per week) for a projected 68 participants.</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time associated with new programs and activities identified by Pelham Minor Hockey in the 2013 research has changed.</li> </ul> <p>As identified in the 2013 research, Pelham Minor hockey still requires:</p> <ul style="list-style-type: none"> <li>- 2.0 additional hours of prime time ice per week for 16 weeks during the winter ice season for a new goalie school program</li> <li>- 5.0 additional hours of prime time ice per week for 16 weeks during the winter ice season for a new power skating program</li> <li>- 3.0 hours per week of prime time ice for 28 weeks during the fall, winter and spring ice season for a new men’s hockey program</li> <li>- 3.0 hours per week of prime time ice for 28 weeks during the fall, winter and spring ice season for a new women’s hockey program</li> </ul> <p>The 2015 research also identified that the number of girls participating in their program has increased such that a girls only hockey team could be developed; this new program would require 4.0 hours per week of prime time ice for 28 weeks during the fall, winter and spring ice season.</p>

The 2015 research also identified the following new demand for additional ice time requirements associated with proposed new programs and activities that was not previously identified in the 2013 research:

➤ **New demand for additional ice time associated with new programs and activities was identified by The Pelham Panthers Junior Hockey Club.**

The Pelham Panthers Junior Hockey Club would like to provide two new programs including a summer hockey camp, a March break hockey camp, and a weekly hockey skills camp:

- The Club currently provides a summer hockey camp in late August in Pelham, comprised of 20.0 hours of ice time for one week; the camp is available to children and youth throughout the Region of Niagara. According to the Municipality the Club pays a fee sufficient to recover the cost of providing ice during that time. The Club would now like to provide an additional hockey camp during the second week of August and is willing to pay a fee sufficient to recover the cost of this service. An additional 20.0 hours of ice time during one week in August is required to provide this new camp.
- The Club would like to provide a hockey camp during March Break. An additional 20.0 hours of ice time during one week in March is required to provide this new camp.

**2.7 Conclusions**

The total “current” demand for additional *prime time* ice per week has increased since the 2013 research.

2013 Research	2015 Update Research
• 21.0 hours of additional <i>prime time</i> ice per week for 28 weeks	• 39.0 to 41.0 hours of additional <i>prime time</i> ice per week for 28 weeks
• 11.5 hours of additional <i>prime time</i> ice per week for 16 weeks	• 11.5 hours of additional <i>prime time</i> ice per week for 16 weeks
• 10.0 hours of additional <i>prime time</i> ice per week for 10 weeks	• 20.0 hours of additional <i>prime time</i> ice per week for 2 weeks
• 51.0 hours of additional <i>prime time</i> ice per week over 4 weekends	• 150.0 hours of additional <i>prime time</i> ice per week over 6 weekends

The total “current” additional demand for 0.5 hours per week of *non-prime time* ice has not changed from the 2013 research.

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Table 2 summarizes the updated “current” additional ice time demand.

**Table 2: Updated Current Additional Ice Time Demand**

Reason for Demand	User	Program/Activity	2013 Research		Duration (# Weeks)	2015 Research		Duration (# Weeks)
			Additional Ice Time Demand			Additional Ice Time Demand		
			Prime Time	Non-Prime Time	Prime Time	Non-Prime Time		
Programs at capacity with waiting lists	Faith Tabernacle Men’s Hockey	Adult hockey		0.5	28		0.5	28
	Sunday Oldtimers	Adult hockey	0.5		28	0.5		28
Programs provided outside Pelham	Pelham Minor Hockey	Rep hockey games	4.5		16	4.5		16
		Novice, atom and peewee house league and rep	10.0		28	10.0		28
Ice time displaced by the new Pelham Panthers	Town of Pelham	Public skating				2.5		28
	Niagara Centre Skating Club	Figure skating				1.5		28
	Any New Adult Hockey Group	Adult hockey				1.0		28
Increasing the current level of service provision	Town of Pelham	Public skating	1.5		28	1.5		28
	Pelham Minor Hockey	Hockey practices	10.0		10	9.0-11.0		28
Proposed new programs/activities	Town of Pelham	New programs	3.0		28	3.0		28
	Pelham Minor Hockey	Power skating	5.0		16	5.0		16
		Goalie school	2.0		16	2.0		16
		Girls’ hockey				4.0		28
		Men’s hockey league	3.0		28	3.0		28
		Women’s hockey league	3.0		28	3.0		28
	Pelham Panthers Junior Hockey	Hockey skills				4.5		20
		Summer hockey camp				20.0		1
March break hockey camp					20.0		1	
<b>Sub-Total</b>			<b>21.0</b>	<b>0.5</b>	<b>28</b>	<b>39.0-41.0</b>	<b>0.5</b>	<b>28</b>
			<b>11.5</b>		<b>16</b>	<b>11.5</b>		<b>16</b>
			<b>10.0</b>		<b>10</b>	<b>40.0</b>		<b>2</b>
Provision of Special Events	Pelham Minor Hockey	3 tournaments	30.0		3*	74.0		3*
	Faith Tabernacle Men’s Hockey	1 tournament	21.0		1*	21.0		1*
	Pelham Panthers Junior Hockey	2 tournaments				55.0		2*
<b>Sub-Total</b>			<b>51.0</b>		<b>4*</b>	<b>150.0</b>		<b>6*</b>

Changed from 2013

\* denotes number of weekends

**3.0 UPDATED PROJECTED ICE TIME REQUIREMENTS – SHORT TERM FUTURE**

“Short term future” additional ice time demand is comprised of the following:

- Expansion of existing programs/activities
- Re-instituting previously cancelled programs/activities
- Proposed new programs/activities

**3.1 Short Term Future Additional Demand – Expansion of Existing Program/Activities**

<b>2013 Research</b>	<b>2015 Update Research</b>
<ul style="list-style-type: none"> <li>• The Municipality wanted to provide additional women’s learn to play hockey and shinny hockey sessions.</li> </ul> <p>3.0 additional hours of prime time ice may be required per week in the short term future for 28 weeks during the fall, winter and spring ice season for these programs.</p>	<ul style="list-style-type: none"> <li>• The demand for additional ice time associated with the expansion of women’s learn to play hockey and shinny hockey sessions identified for the Municipality in the 2013 research has not changed.</li> </ul> <p>In 2015, 3.0 additional hours of prime time ice may be required per week in the short term future for 28 weeks during the fall, winter and spring ice season for potential new programs.</p>
<ul style="list-style-type: none"> <li>• Pelham Minor Hockey should not require any additional ice time in the short term future to accommodate any potential growth in their programs due to population growth. The group’s existing programs operate under capacity and if participation increases at the rate of population growth each division will be able to accommodate the potential number of additional participants.</li> </ul>	<ul style="list-style-type: none"> <li>• The conclusion of the 2013 research that Pelham Minor Hockey should not require any additional ice time in the short term future to accommodate any potential growth in their programs due to population growth is unchanged.</li> </ul>
<ul style="list-style-type: none"> <li>• The analysis concluded that if the Municipality were to assist the Niagara Centre Skating Club to increase the organization’s capacity to provide their services there may be increased enrolment in the group’s Junior program (associated with the projected increase in the Town’s population), which currently operates at capacity.</li> </ul> <p>An additional hour (1.0) of prime time ice may be required in the short term future to accommodate potential increased enrolment in the group’s Junior program.</p>	<ul style="list-style-type: none"> <li>• The conclusions of the 2013 research concerning potential demand for additional ice time for the Niagara Centre Skating Club associated with potential growth in their program participation associated with population growth has not changed.</li> </ul> <p>An additional hour of prime time ice may be required in the short term future to accommodate potential increased enrolment in the group’s Junior program which currently operates at capacity.</p>

The 2015 research also identified the following new short term future demand for additional ice time requirements associated with the expansion of existing programs/activities that was not previously identified in the 2013 research:

- **New demand for additional ice time associated with potential growth in program participation due to population growth was identified by The Pelham Panthers Junior Hockey Club.**

The Pelham Panthers Junior Hockey Club indicated that participation in all of their hockey schools, camps and skills programs will double within the short term future. The Club indicated that as a result they would require additional prime time ice for each program, but did not indicate how much additional ice time would be required. These programs are available to youth from Pelham as well as outside the Town. Other junior hockey clubs in Niagara Region also provide similar types of programs, which indicates that they are competing for the same market. While participation in the Pelham Panthers' programs may increase, it is not likely that participation will double based on the amount of competition for this market segment in the Region. Therefore it is assumed that the Pelham Panthers may require at most an additional 20.0 hours of prime time ice per week for one week during one of the fall, winter or spring seasons for this component of their program.

- **New demand for additional ice time associated with potential growth in Midget level program participation was identified by Pelham Minor Hockey.**

The 2015 research identified that the number of potential participants trying out for Pelham Minor Hockey's Midget level hockey teams (3 teams at present) has been increasing since the 2013 research such that the group believes that there will be a sufficient number of participants in 2015 to add an additional team. In the previous few years potential participants trying out for Midget level of play went to other communities to participate in this activity. A total of 4.0 additional prime time hours would be required per week (2 hours for games and 2 hours for practices) to accommodate a fourth Midget hockey team.

**3.2 Short Term Future Additional Demand – Re-instituting Previously Cancelled Programs/Activities**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>Pelham Minor Hockey would like to re-start their Juvenile level hockey team. This program was provided by the group until 2012 when it was discontinued due to a lack of a sufficient number of participants. The group reported that they believe that, given the increasing number of participants among the younger age groups that within the next five years there will a sufficient number of participants to justify re-starting the Juvenile hockey program and that a total of 4.0 additional prime time hours will be required per week (2 hours for games and 2 hours for practices).</li> </ul>	<ul style="list-style-type: none"> <li>The demand for additional ice time identified by Pelham Minor Hockey in the 2013 research has changed.</li> </ul> <p>The Ontario Minor Hockey Association is currently considering abolishing the Juvenile level of play. If this occurs, the additional 4.0 prime time hours per week (2 hours for games and 2 hours for practices) will not be required.</p>

The 2015 research did not identify any new short term future demand for additional ice time requirements associated with re-instituting previously cancelled programs/activities that was not previously identified in the 2013 research.

**3.3 Short Term Future Additional Demand – Proposed New Programs/Activities**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>Men’s Sunday Hockey would like to develop an oldtimers hockey team to play other such teams in the Region.</li> </ul> <p>However the group indicated in the 2013 research that they may reduce the number of teams in their existing program from 2 to 1 due to a projected decrease in participation in the short term future associated with the higher cost for ice time in Pelham compared to other communities in the Region. The cost of ice time in Pelham was assessed in the 2013 research.</p> <p>For the purposes of this analysis, it was assumed that if the number of teams in Men’s Sunday Hockey decreased by 1, the team should still have a sufficient amount of ice time to develop an oldtimers hockey team.</p>	<ul style="list-style-type: none"> <li>The findings of the 2013 research remain unchanged. Men’s Sunday Hockey should have a sufficient amount of ice time within their current allocation to develop an oldtimers hockey team.</li> </ul>

The 2015 research did not identify any new short term future demand for additional ice time requirements associated with proposed new programs/activities that was not previously identified in the 2013 research.

### **3.4 Short Term Future Additional Demand – User Groups That Did Not Participate in the Research**

#### *A. 2013 Research*

The following groups either did not require additional ice time or did not respond to the survey due to a lack of interest:

- Marsh Hockey
- E. L. Crossley Secondary School
- Elementary schools

For the purposes of the research, it was assumed in the 2013 research that E. L. Crossley Secondary School, despite not participating in the survey, may require one additional hour of non-prime time ice per week in the future based on municipal staff having received period requests from the school for additional time in the past.

#### *B. 2015 Update Research*

In 2015 all current ice user groups responded to the survey. The following groups indicated that they do not require additional ice time at present or in the short term future:

- Sunday Oldtimers
- Fonthill Fossils Oldtimers
- Pelham Oldtimers
- Pelham Pioneer Oldtimers
- Marsh Hockey
- E. L. Crossley Secondary School
- Elementary schools

As a result, the demand for an additional hour of non-prime time ice per week in the future associated with E.L. Crossley Secondary School provided for in the 2013 research is no longer valid and the 2015 demand analysis should be adjusted accordingly.

**3.5 Conclusions**

The total short term future demand for additional *prime time* ice per week has increased since the 2013 research. The total short term future demand for additional *non-prime time* ice per week has decreased since the 2013 research.

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>8.0 hours of additional <i>prime time</i> ice per week for 28 weeks</li> </ul>	<ul style="list-style-type: none"> <li>8.0-12.0 hours of additional <i>prime time</i> ice per week for 28 weeks</li> </ul>
<ul style="list-style-type: none"> <li>1.0 hours of additional non-prime time ice per week for 28 weeks</li> </ul>	<ul style="list-style-type: none"> <li>20.0 hours of additional <i>prime time</i> ice per week for 1 weekend</li> <li>0.0 hours of additional non-prime time ice per week</li> </ul>

Table 3 summarizes the short term future additional ice time demand.

**Table 3: Updated Short Term Future Additional Ice Time Demand, 2014/15 to 2018/19**

Reason for Demand	User	Program/Activity	2013 Research			2015 Research		
			Additional Ice Time Demand		Duration (# Weeks)	Additional Ice Time Demand		Duration (# Weeks)
			Prime Time	Non-Prime Time		Prime Time	Non-Prime Time	
Expansion of existing programs	Town of Pelham	Women’s learn to play hockey and shinny hockey	3.0		28	3.0		28
	E.L. Crossley Secondary School	Hockey games		1.0	28			
	Niagara Centre Skating Club	Instructional skating	1.0		28	1.0		28
	Pelham Minor Hockey		Midget hockey games				2.0	
Midget hockey practices						2.0		28
Re-instituting previously cancelled programs/activities	Pelham Minor Hockey	Juvenile hockey games	2.0		28	0.0-2.0		28
		Juvenile hockey practices	2.0		28	0.0-2.0		28
Expansion of existing programs	Pelham Panthers Junior Hockey	Hockey skill development				20.0		1
<b>Total</b>			<b>8.0</b>	<b>1.0</b>	<b>28</b>	<b>8.0-12.0</b>		<b>28</b>
						<b>20.0</b>		<b>1</b>

Changed from 2013

**4.0 UPDATED PROJECTED ICE TIME REQUIREMENTS – LONG TERM FUTURE**

“Long term future” additional ice time demand is comprised of the following:

- Expansion of existing programs/activities
- Provision of additional special events
- Expansion of new programs/activities developed in the short term future
- Proposed new programs/activities

Most of the demand for additional ice time that was established for the long term future has not changed from the 2013 research. The following summarizes the long term future ice time requirements.

**4.1 Long Term Future Additional Demand – Expansion of Existing Program/Activities**

<b>2013 Research</b>	<b>2015 Update Research</b>
<ul style="list-style-type: none"> <li>• National and provincial trends suggest that participation in figure skating and learn to skate programs should increase at the rate of population growth. By the long term future the population of the Town is projected to have increased by a further 16%. The Niagara Centre Skating Club’s Starskate programs operate at 50% capacity or less. Therefore these programs should still be able to accommodate any potential additional participants due to population growth. However, the group’s basic skill development programs such as learn to skate currently operate at 70% to 80% capacity. Given the population growth projected to occur in Pelham during the long term future and trends, the group may require an additional 1.75 hours of prime time ice during the fall, winter and spring ice season to accommodate potential additional participants in their basic skill development programs.</li> </ul>	<ul style="list-style-type: none"> <li>• The demand for additional ice time identified for the Niagara Centre Skating Club in the 2013 research has not changed.</li> </ul> <p>The group may require an additional 1.75 hours of prime time ice in the long term future for 28 weeks during the fall, winter and spring ice season to accommodate potential additional participants in their basic skill development programs.</p>

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<ul style="list-style-type: none"> <li>A total of 7.0 additional hours of prime time ice may be required per week in the long term future for 28 weeks during the fall, winter and spring ice season for Pelham Minor Hockey to accommodate additional participants in their house league and Rep hockey games due to projected population growth during the long term future. The group's existing programs are operating at 80% to 85% capacity. By the short term future their existing programs may be operating just over capacity and by the long term future their programs may operate well over capacity with waiting lists.</li> </ul> <p>A total of 5.0 to 10.0 additional hours of prime time ice may be required per week in the long term future for 28 weeks during the fall, winter and spring ice season for Pelham Minor Hockey to accommodate additional participants in their house league and Rep hockey practices due to projected population growth. 5.0 hours may be required to provide 1 hour of practice time per week per team, however if the group provides 2 hours per week per team, a requirement they expressed as "current" unmet demand, an additional 10 hours may still be required.</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time identified for Pelham Minor Hockey in the 2013 research has not changed.</li> </ul> <p>A total of 7.0 additional hours of prime time ice may be required per week in the long term future for 28 weeks during the fall, winter and spring ice season to accommodate additional participants in their house league and Rep hockey games, and a total of from 5.0 to 10.0 additional hours of prime time ice may be required per week in the long term future for 10 weeks throughout the fall, winter and spring ice season to accommodate additional participants in their house league and Rep hockey practices.</p>
<ul style="list-style-type: none"> <li>It was assumed that no additional ice time may be required by the Municipality in the long term future. Additional ice time demand in the short term future for public skating, women's learn to play hockey and shinny hockey should accommodate any potential future participants through the long term future due to population growth and trends in participation.</li> </ul>	<ul style="list-style-type: none"> <li>The assumption in the 2013 research that the Municipality will not require additional ice time in the long term future has not changed.</li> </ul> <p>Demand for additional ice time in the short term future for public skating and women's learn to play hockey and shinny hockey should accommodate any potential future participants through the long term future.</p>

The 2015 research did not identify any new long term future demand for additional ice time requirements associated with expansion of existing programs/activities that was not previously identified in the 2013 research.

**4.2 Long Term Future Additional Demand – Provision of Additional Special Events**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>It is reasonable to assume that if sufficient unused prime time ice was available during the long term future, a user group within the community may provide an additional tournament, such as Pelham Minor Hockey, which has proposed the development of a women’s hockey league and a men’s hockey league.</li> </ul> <p>Therefore a provision for 25.0 additional hours of prime time ice over one weekend during the fall, winter and spring ice season may be required in the long term future.</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time identified for a new tournament in the 2013 research has not changed.</li> </ul> <p>A total of 25.0 additional hours of prime time ice over one weekend during the fall, winter and spring ice season may be required in the long term future to enable any existing ice user group in Pelham to provide a new tournament.</p>

The 2015 research did not identify any new long term future demand for additional ice time requirements associated with the provision of additional special events that was not previously identified in the 2013 research.

**4.3 Long Term Future Additional Demand – Expansion of New Programs/Activities Developed in the Short Term Future**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>A total of 2.0 additional hours of prime time ice may be required per week in the long term future for 16 weeks during the fall, winter and spring ice season for Pelham Minor Hockey to accommodate additional participants in their proposed new power skating program due to projected population growth.</li> </ul> <p>A total of 3.0 additional hours of prime time ice may be required per week in the long term future for 28 weeks during the fall, winter and spring ice season for Pelham Minor Hockey to accommodate additional participants in their proposed new men’s hockey league (1.0 hour) and women’s hockey league (2.0 hours) due to projected population growth and trends in activity participation.</p>	<ul style="list-style-type: none"> <li>The demand for additional ice time identified for Pelham Minor Hockey in the 2013 research has not changed.</li> </ul> <p>Pelham Minor Hockey may require a total of 2.0 additional hours of prime time ice per week in the long term future for 16 weeks during the fall, winter and spring ice season to accommodate additional participants in their proposed new power skating program, and a total of 3.0 additional hours of prime time ice may be required per week in the long term future for 28 weeks during the fall, winter and spring ice season to accommodate additional participants in their proposed new men’s hockey league (1.0 hour) and women’s hockey league (2.0 hours).</p>

The 2015 research identified the following new long term future demand for additional ice time requirements associated with the expansion of new programs/activities developed in the short term future that was not previously identified in the 2013 research:

- **New demand for additional ice time associated with expansion of new programs/activities developed in the long term future was identified for Pelham Minor Hockey.**

A total of 2.0 additional hours of prime time ice may be required per week in the long term future for 28 weeks during the fall, winter and spring ice season for Pelham Minor Hockey to accommodate additional participants in their proposed new girls' hockey program due to projected population growth and trends in activity participation.

**4.4 Long Term Future Additional Demand – Proposed New Programs/Activities**

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>• A total of at least 2.0 additional hours of prime time ice may be required per week for 28 weeks during the fall, winter and spring ice season for the Municipality to provide new programs.</li> </ul>	<ul style="list-style-type: none"> <li>• The demand for additional ice time identified for the Municipality in the 2013 research has not changed.</li> </ul> <p>A total of at least 2.0 additional hours of prime time ice may be required per week for 28 weeks during the fall, winter and spring ice season for the Municipality to provide new programs.</p>

The 2015 research did not identify any new long term future demand for additional ice time requirements associated with proposed new programs/activities that was not previously identified in the 2013 research.

**4.5 Conclusions**

The total long term future demand for additional prime time ice per week has increased by 2.0 hours since the 2013 research.

2013 Research	2015 Update Research
<ul style="list-style-type: none"> <li>• 13.75 hours of additional <i>prime time</i> ice per week for 28 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• 15.75 hours of additional <i>prime time</i> ice per week for 28 weeks</li> </ul>
<ul style="list-style-type: none"> <li>• 2.0 hours of additional <i>prime time</i> ice per week for 16 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• 2.0 hours of additional <i>prime time</i> ice per week for 16 weeks</li> </ul>
<ul style="list-style-type: none"> <li>• 5.0 to 10.0 hours of additional <i>prime time</i> ice per week for 10 weeks</li> </ul>	<ul style="list-style-type: none"> <li>• 5.0 to 10.0 hours of additional <i>prime time</i> ice per week for 10 weeks</li> </ul>
<ul style="list-style-type: none"> <li>• 25.0 hours of additional <i>prime time</i> ice per week for 1 weekend</li> </ul>	<ul style="list-style-type: none"> <li>• 25.0 hours of additional <i>prime time</i> ice per week for 1 weekend</li> </ul>

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The 2015 research confirmed the 2013 research conclusion that there was no additional demand for non-prime time ice per week during the long term future.

Table 4 summarizes the updated long term future demand for additional ice time.

**Table 4: Updated Long Term Future Additional Ice Time Demand, 2019/20 to 2023/24**

Reason for Demand	User	Program/Activity	2013 Research		Duration (# Weeks)	2015 Research		Duration (# Weeks)
			Additional Ice Time Demand			Additional Ice Time Demand		
			Prime Time	Non-Prime Time	Prime Time	Non-Prime Time		
Expansion of existing program/activities	Niagara Centre Skating Club	Canskate and Juniors	1.75		28	1.75		28
	Pelham Minor Hockey	Rep hockey practices	5.0 - 10.0		10	5.0 - 10.0		10
		Houseleague and Rep hockey games	7.0		28	7.0		28
Expansion of new program/activities	Pelham Minor Hockey	Rep hockey practices	5.0 - 10.0		10	5.0 - 10.0		10
		Power skating	2.0		16	2.0		16
		Men's hockey league	1.0		28	1.0		28
		Women's hockey league	2.0		28	2.0		28
		Girls' hockey league				2.0		28
Proposed new programs/activities	The Municipality	Potential new programs	2.0		28	2.0		28
<b>Sub-Total</b>			<b>13.75</b>		<b>28</b>	<b>15.75</b>		<b>28</b>
			<b>2.0</b>		<b>16</b>	<b>2.0</b>		<b>16</b>
			<b>5.0 – 10.0</b>		<b>10</b>	<b>5.0 – 10.0</b>		<b>10</b>
Provision of additional special events	Any	1 tournament	25.0		1*	25.0		1*
<b>Sub-Total</b>			<b>25.0</b>		<b>1*</b>	<b>25.0</b>		<b>1*</b>

Changed from 2013

\* denotes weekends

## 5.0 UPDATED INDOOR ICE PAD FACILITY REQUIREMENTS

### 5.1 Current 2015/2016 Ice Season Facility Requirements

Based on the 2015 Update research there may be “current” additional demand for prime time ice per week in the fall, winter and spring ice season consisting of:

- 39.0 to 41.0 *prime time* hours per week for 28 weeks
- 11.5 *prime time* hours per week for 16 weeks

For the purposes of this analysis it has been assumed that the demand for an additional 11.5 prime time hours per week for 16 weeks, comprised of 4.5 hours for rep hockey games, 5.0 hours for power skating, and 2.0 hours for a goalie school will occur consecutively resulting in the equivalent of 6.0 hours of prime time ice per week for 28 weeks<sup>2</sup>.

Therefore it is assumed that there is current additional demand for 45.0 to 47.0 hours of prime time ice per week for 28 weeks.

There is also current additional demand in the order of 168.0 hours of prime time ice over 4 weekends for tournaments and 20.0 hours of prime time ice over 2 weeks for hockey camps.

The 2013 research identified that the existing ice pad was utilized 83% during *prime time*; however, the ice time that was unused generally occurred before 7 am on weekends and after 11 pm throughout the week. These time periods were previously identified by Pelham Minor Hockey and Arbour Thursday Night Hockey as time they are not able or willing to use either because their participants are children and youth for whom this time period is inappropriate or their participants are adults that are not willing to participate that late in the evening. Given consideration of the timing of unused prime-time ice, it has been assumed for the purposes of this analysis that the existing prime ice time in the Pelham Arena is utilized 100% and cannot accommodate any additional current demand.

If a 2<sup>nd</sup> ice pad were to be developed in Pelham, the supply of *prime time* ice would increase by 77 hours per week and the supply of *non-prime time* ice would increase by 52.5 hours per week based on current designations. Based on current demand that cannot be accommodated in the existing ice pad, a 2<sup>nd</sup> ice pad would be utilized 58% to 61% during *prime time* during the fall, winter and spring ice season during the 2015/2016 ice season. Given that current demand for additional *non-prime time* ice can be accommodated in the existing ice pad, utilization of a 2<sup>nd</sup> ice pad during *non-prime time* would likely be minimal.

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<sup>2</sup> An increased allowance from 2.0 hours of prime time ice per week for 28 weeks in the 2013 research.

The Pelham Panthers Junior Hockey Club identified a demand for summer ice in Pelham during the ice-out season (i.e. April to July). St. Catharines, Niagara Falls, Fort Erie and Port Colborne, all within a reasonable distance from Pelham provide summer ice and only Fort Erie reports that their summer ice is utilized 100%. A representative of Port Colborne indicated that Pelham groups such as minor hockey and adult leagues utilize summer ice in their facility. At present the Port Colborne facility is only providing summer ice in one ice pad and it is not utilized 100% and can accommodate additional use; if demand for summer ice increases they may begin to provide it on their second ice pad. It is concluded that there is sufficient summer ice provided in the Region to accommodate any potential future demand for summer ice among Pelham groups.

## **5.2 Short Term Future Facility Requirements (2014/15 to 2018/19)**

In the fall, winter and spring ice season there may be short term future additional requirements in the order of a total of 8.0 to 12.0 hours of prime time ice for 28 weeks during the fall, winter and spring ice season and 20.0 hours of prime time ice for 1 week during one of the fall, winter or spring ice seasons.

It has been assumed that the existing indoor ice pad in the Town is generally utilized 100% at present during the fall, winter and spring ice season and cannot accommodate additional demand (see previous Section).

If a 2<sup>nd</sup> ice pad is developed in Pelham, the supply of *prime time* ice in the Town would increase by 77 hours per week and the supply of *non-prime time* ice would increase by 52.5 hours per week.

Based on a combination of current additional demand of 45.0 to 47.0 prime time hours per week during the fall, winter and spring ice season that cannot be accommodated in the existing ice pad in the Town, and a short term future demand of 8.0 to 12.0 additional prime time hours per week during the fall, winter and spring ice season (a total additional demand of 53.0 to 59.0 hours per week), a 2<sup>nd</sup> ice pad would be utilized 69%-77% during *prime time* during the fall, winter and spring ice season by the end of the short term future (2018/19).

Given that no demand for *non-prime time* ice was identified, utilization of a 2<sup>nd</sup> ice pad during *non-prime time* would likely be minimal during the short term future.

### 5.3 Long Term Future Facility Requirements (2019/20 to 2023/24)

Based on the 2015 Update research there may be long term future additional demand for prime time ice per week in the fall, winter and spring ice season consisting of:

- 15.75 *prime time* hours per week for 28 weeks
- 2.0 *prime time* hours per week for 16 weeks
- 5.0-10.0 *prime time* hours per week for 10 weeks

For the purposes of this analysis it has been assumed that the 2.0 prime time hours per week for 16 weeks and 5.0 to 10.0 prime time hours per week for 10 weeks will have to occur consecutively resulting in the equivalent of 2.0-5.0 hours of prime time ice per week for 28 weeks

Therefore it is assumed that there may be additional demand for 17.75 to 20.75 hours of prime time ice per week for 28 weeks during the long term future.

There may also be long term future additional demand in the order of 25.0 hours of prime time ice over 1 weekend for a tournament.

It has been assumed that the existing indoor ice pad is generally utilized 100% at present and cannot accommodate additional demand, and that if a 2<sup>nd</sup> ice pad were developed, it would be utilized 69%-77% in the short term future to accommodate combined current and short term future unmet demand.

Based on a combination of current and short term future additional demand of 53.0 to 59.0 prime time hours per week during the fall, winter and spring ice season that cannot be accommodated in the existing ice pad, and a long term future demand of 17.75 to 20.75 additional prime time hours per week during the fall, winter and spring ice season (a total additional demand of 70.75 to 79.75 hours per week), a 2<sup>nd</sup> ice pad may be utilized 92%-100% during the long term future 2019/20 to 2023/24, with a small amount of unmet demand during *prime time* during the fall, winter and spring ice season.

Given that no additional demand for *non-prime time* ice was identified for the long term future, utilization of a 2<sup>nd</sup> ice pad during *non-prime time* would likely be minimal during the long term future.

**5.4 Summary**

It is concluded that based on the 2015 Update research there may be sufficient additional prime time ice requirements by the end of the short term future (2018/19) to justify the provision of one additional indoor ice pad to accommodate current, short term and eventually long term future demand.

The following Tables summarize the projected ice time utilization from the 2013 research compared to the 2015 research.

**Table 5: Projected Ice Pad Utilization Based on 2013 Research**

<b>2013 Research</b>	<b>Current Prime Time Ice Utilization Pelham Arena</b>	<b>Projected Ice Pad Utilization 2015/2016 Ice Season</b>	<b>Projected Ice Pad Utilization Short Term Future 2014/15 To 2018/19</b>	<b>Projected ice Pad Utilization Long Term Future 2019/20 to 2023/24</b>
Prime Time Ice Pad 1	100%	100%	100%	100%
Prime Time Ice Pad 2		42%	49%-51%	59%-64%
Non Prime Time Ice Pad 1	45%	46%	46%	46%
Non Prime Time Ice Pad 2		0%	0%	0%

**Table 6: Projected Ice Pad Utilization Based on 2015 Update Research**

<b>2015 Research</b>	<b>Current Prime Time Ice Utilization Pelham Arena</b>	<b>Projected Ice Pad Utilization 2015/2016 Ice Season</b>	<b>Projected Ice Pad Utilization Short Term Future 2014/15 To 2018/19</b>	<b>Projected ice Pad Utilization Long Term Future 2019/20 to 2023/24</b>
Prime Time Ice Pad 1	100%	100%	100%	100%
Prime Time Ice Pad 2		58%-61%	69%-77%	92%-100%
Non Prime Time Ice Pad 1	45%	46%	46%	46%
Non Prime Time Ice Pad 2		0%	0%	0%

It is important to note the following:

- That the requirement for an additional indoor ice pad in the short term future is contingent upon the realization of projected population growth in the Town and the requirements of a new user group since the 2013 research (Pelham Panthers Junior Hockey Club).
- A proportion of current, short term future, and long term future additional prime time ice requirements per week are related to increasing the current number of practices for Pelham Minor Hockey's hockey teams (from one practice per week to two practices per week). The provision of this additional ice time represents an increase in the level of municipal service provided to this group for this activity. However, if the ice time requirements related to increasing the number of practices is not included in the analysis, there would still be sufficient additional ice time requirements for basic ice related activities to justify the provision of one additional indoor ice pad by the long term future (2019/20 to 2023/24) to accommodate current, short term and long term future unmet demand. This is an important consideration given that the majority of practices that currently occur outside of Pelham are held in Wainfleet, where the user fee for prime time ice is significantly lower than the user fee in Pelham.
- It is reasonable to conclude that the current state of municipal indoor ice service provision may have had a negative impact on participation in ice related activities among residents of the Town. This conclusion relates to the poor physical condition of the arena facility, the size of facility areas including the size of the ice pad, the size and condition of the dressing rooms, and general user and spectator environment. As a result it may be reasonable to expect an increase in use in the future if the existing facility were to be replaced with a new facility with up to date user and public amenities.
- Ideally, and assuming population growth occurs based on current projections (amount of growth, age characteristics and composition of new residents), a new twin pad arena facility should be developed such that it is operational by 2018/19.

**6.0 UPDATED INDOOR ICE PAD RELATED EQUIPMENT AND FACILITY REQUIREMENTS**

A number of characteristics and features of any potential new indoor ice pads that may be developed in Pelham were reviewed in the 2013 research and updated based on the findings of the 2015 research; they are based on the opinions of indoor ice pad users in Pelham obtained through the updated Survey of Arena User Groups and Associations<sup>3</sup>, the best practices of indoor ice pads provided in the Region, and national and provincial trends in arena facility design.

Facility Component	2013 Research	2015 Update Research
<b>Spectator Seating</b>	<p>User groups that participated in the 2013 research indicated that they required spectator seating for up to 250 persons.</p> <p>All new multi-pad arenas in the Region that host tournaments and special events provided spectator seating for at least 500 in one ice pad to support these activities and therefore the 2013 research recommended that the Municipality should consider providing spectator seating for 500 in one ice pad and standing room only in the other if two ice pads were developed in the Town in the future.</p>	<p>The 2015 Update research identified two user groups, one of which is the new Junior Hockey Club, that require additional seating, 600-800 for minor hockey tournaments and 1,200 for junior hockey games.</p> <p>The majority of multi-pad arenas in the Region that are used by Junior Hockey teams provide spectator seating for 1,000 to 1,600.</p>
<b>Dressing Rooms - Number</b>	<p>The 2013 research recommended that future ice pads include six dressing rooms per ice pad plus an additional multi-purpose dressing room that could accommodate female participants in hockey programs. This multi-purpose dressing room could also function as a family change room during other ice related activities in the arena such as public skating.</p>	<p>Based on the findings of the 2015 Update research, the Pelham Panthers Junior Hockey Club will require a dedicated dressing room, which represents an increase of 1 dressing room compared to the recommendations of the 2013 research.</p>
<b>Dressing Rooms – Shower Heads</b>	<p>The 2013 research recommended that the Municipality consider providing shower facilities with at least 4 shower heads in dressing rooms developed as part of any new arena developed in Pelham.</p>	<p>The need for this service was confirmed in the 2015 Update research - nine of the ice user groups indicated a need for more showers in dressing rooms than are currently provided in the existing arena facility.</p>

<sup>3</sup> The opinions of the Pelham Art Festival and the Fonthill and District Kinsmen were include as these group use the arena annually for major non-ice related special events and have requirements related to the support services that may be provided in any new arena developed in the Town.

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<b>Dressing Rooms - Lockers</b>	The 2013 research recommended that the Municipality consider providing one locker in each dressing room developed as part of any new arena.	The need for this service was confirmed in the 2015 Update research - three of the ice user groups indicated a need for a locker.
<b>Food and Beverage</b>	The 2013 research recommended that the Municipality maintain the current level of municipal service of providing the opportunity for food and beverage services in any new municipal arena however the facility should be slightly larger than that currently provided to accommodate the increased level of use associated with two indoor ice pads.	The need for this service was confirmed in the 2015 Update research - six of the ice user groups indicated a need for access to food and beverage services.
<b>Warm Viewing Area</b>	The 2013 research recommended that the Municipality consider the development of a warm viewing area within the lobby of any potential new municipal arena.	The need for this service was confirmed in the 2015 Update research - seven of the ice user groups indicated a need for access to a warm viewing area.
<b>Hospitality Room and Meeting Room</b>	The 2013 research recommended that a large multi-purpose/hospitality room be developed in association with a new ice pad to complement special events hosted in the arena.	The need for a large multi-purpose/hospitality room was confirmed in the 2015 Update research - three groups indicated a need for access to a large multi-purpose/hospitality room.
<b>Storage Space and Administrative Space for User Groups</b>	The 2013 research recommended that the Municipality consider the provision of storage and administrative space in any potential new arena in Pelham for use by for the Niagara Centre Skating Club and Pelham Minor Hockey.	The 2015 Update research identified that the Pelham Panthers Junior Hockey Club will also require storage and administrative space.
<b>Ticket Booth</b>	The 2013 research recommended that the provision of a separate ticket booth in any potential new arena developed in Pelham should not be considered given that none of the groups identified the requirement for this service.	The 2015 Update research identified that the Municipality, the Pelham Panthers Junior Hockey Club, and Pelham Minor Hockey now require this type of space.

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<b>Skate Sharpening and Pro Shop</b>	The 2013 research recommended that the provision of a pro shop and skate sharpening service in any potential new arena developed in Pelham not necessarily be considered given that only a few groups indicated an interest, and they are increasingly unprofitable ventures for the private sector.	This recommendation has not changed from the 2013 research.
<b>Music/PA System</b>	The 2013 research recommended that the Municipality provide a music/PA system in any potential new indoor ice pads developed in Pelham.	The need for this service was confirmed in the 2015 Update research where six of the user groups indicated a need for a music/PA system.
<b>Display Board</b>	The 2013 research recommended that the Municipality consider the provision of a display board in any potential new indoor ice pads developed in Pelham to promote user groups' programs and activities and to support special events such as hockey tournaments.	The need for this service was confirmed in the 2015 Update research where seven of the ice user groups indicated a need for a display board.
<b>Size of Ice Pad</b>	Any future ice pads developed by the Municipality should be 85' by 200', the NHL standard.	This recommendation has not changed from the 2013 research.