

# Community Sport Facility Needs Assessment Report

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Evidence for a Multi-Sport Hub in New  
Plymouth

Prepared by Sport Taranaki & New Plymouth District Council

November 2019



Te Kaunihera-ā-Rohe o Ngāmotu  
NEW PLYMOUTH  
DISTRICT COUNCIL  
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## Executive Summary

This report provides evidence to support development of a Multi-Sport Hub facility in New Plymouth based on the current provision, demand and use of facilities for community sport. The report also estimates the potential economic benefits of such a facility; it does not however investigate the wider social and health-related benefits that a sport and recreation hub could create.

Sport Taranaki has worked with different sport and recreation codes, the New Plymouth District Council, the New Zealand Secondary School Sport Council, and Venture Taranaki to collect, collate and assess the following:

- Participation data of individual sport and recreation codes and organisations based on actual competition registrations (not one-off events)
- Rates of facility utilisation, based on facility availability and participation rates provided by different codes
- TSB Stadium and field use data based on New Plymouth District Council booking records
- Challenges of existing facilities and code modifications required due to facility challenges as presented by codes
- Economic benefit estimates based on National Sports Organisation indications of potential events a Multi-Sport Hub facility in New Plymouth would attract
- Economic benefit estimates based on actual Secondary School sport tournament travel budgets

The 10 codes that providing data for this assessment have been selected based on one or more of the following:

- High participation numbers
- Participation growth trends
- Tested facility co-location models
- Current facility challenges that are impeding participation growth

Methods of collecting, storing, and extracting data varies widely across different codes depending on the formality of the competition, whether the code is administered by employees or volunteers, participation numbers, and the complexity of systems (manual records, databases, national capture systems etc). The quality and detail of data sets also varies, depending on the collection method (i.e. manual or electronic), registration processes, central points of collection, and whether administrators are paid employees or volunteers. Although it varies, this data has been used because it is based on actual competition registrations as opposed to data that relies on third-person reporting (i.e. Sports Coordinator), a limited view of the sector (i.e. in-school sport, youth only, adults only etc), or extrapolated figures from national data sets.

The key finding of this needs assessment is that many sport and recreation codes are not able to access appropriate facilities in the district. Additionally, the report finds that many existing facilities do not meet code specifications which impacts user safety and dictates competition formats. The quality of facilities is generally low impacting the user experience and much of the stock is aged and no longer fit for purpose.

This is particularly the case with regard to indoor court space (Netball, Basketball, and Volleyball), specialised field surfaces (Hockey and Football), and specialised spaces (Gymnastics). This has impacted

the effective running of some of these sports, limited growth potential, and in some cases has forced adaptation.

Based on this evidence, this report recommends commencing a master planning process that enables a staged approach to the development of a Multi-Sport Hub in New Plymouth that also considers future needs.

Additionally, the report recommends considering the needs of smaller or emerging sport and recreation codes, including but not limited to athletics, tennis, rock-climbing, martial arts, dance, boxing, group exercise and whether these can be met by a Multi-Sport Hub in New Plymouth.

It also recommends considering how using existing facilities to meet the needs of events impacts community sport and the potential for improved user experience, particularly in terms of commercial 'wellness' opportunities.

Based on this assessment, the report finds that there is sufficient justification to progress development of a Multi-Sport Hub Master Plan, including a facility specification, site selection, estimated cost, and recommended governance models.

# Background

## Taranaki Region

Taranaki is a region on the West Coast of the North Island with a population of approximately 118,200<sup>1</sup>. The region encompasses three districts – New Plymouth (approximate population of 81,600), Stratford (9,500), and South Taranaki (27,200)<sup>Error! Bookmark not defined.</sup>. New Plymouth District population is currently projected to increase by more than 10% over the next ten years<sup>1</sup>.

Of the total population of the region 17.3% are Maori; this is 2.9% higher than the national average while European account for 74.8% of the population. The population of Maori is projected to increase by 3.4% over the next ten years; the main area of population growth is anticipated to be in the New Plymouth district. Females make up 50.5% of the population, 20.8% are older adults, and 19.3% are young families (Nielsen Consumer and Media Insights for Regional Councils, 2017).

There are 95 schools in Taranaki; including 32 primary, 43 full primary, 4 intermediates, 9 secondary, 7 composites, and 1 Teen Parent Unit. Twenty schools are considered low decile (1 – 3) which accounts for 11% of all school-aged children in Taranaki. 65% of children in low decile schools are Maori, compared to a national average of 24%. Low decile schools are concentrated in Waitara, Patea, Hawera and surrounds, and the western suburbs of New Plymouth (Ministry of Education Directory, 2017).

## Regional Physical Activity Participation

The 2017 Active New Zealand Survey estimated that nearly half of the Taranaki population engaged in walking for sport and leisure in the previous 12 months; while almost a quarter (24.2%) participated in touch, rugby, netball, football, cricket, volleyball, basketball and/or badminton (this equates to approximately 27,000 participants). With the exception of rugby and touch all of the above sports codes had increased participation rates in 2017 compared to 2011 (Nielsen Consumer and Media Insights for Regional Councils).

The New Zealand Health Survey (2011 – 14) reported that 70.5% of Taranaki adults (aged over 15 years) were obese or overweight, 6.1% higher than the national average, and up 3% on 2006/07. Only 42.7% of adults met the recommended physical activity guidelines, down 17.6% from 2006/07; while rates of diagnosed diabetes in the region had increased by 2.5% (New Zealand Health Survey, 2011 – 14). Females were less likely to be active at 36.7% (down 21.2% from 2006/07) compared to males at 49% (also down by 14%). Maori who in the past have been more physically active than Non-Maori in Taranaki had decreased their activity levels by 31.5% since 2006/07 when compared to Non-Maori who have decreased by 15.4% (New Zealand Health Survey, 2017).

The New Zealand Secondary School Sport Council Annual Census (2017) showed that 58% of all Taranaki secondary students had a meaningful engagement with school sport, down 8.6% on 2011. Sport engagement decreased in low decile schools by 16% from 2011 (81.5%) to 2017 (65.5%), by comparison medium decile schools decreased by 7.7%. Across all secondary schools the four most popular sports in 2017 were rugby, basketball, netball, and football; in low decile schools football was replaced by touch rugby (NZSSSC Annual Census, 2017).

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<sup>1</sup> 2018 Census population night population count by territorial authority

## **New Zealand Sporting Facilities Framework**

These insights into the region enhance the rationale for facilities that increase participation in sport and recreation to improve the wellbeing of our communities that are poorly represented in physical activity, weight, and diabetes statistics. Physical activity is proven factor in improving physical, emotional, social, and mental wellbeing; thus a well-utilised network of spaces and places to be active must be central to building well communities.

Sport New Zealand's objective is to provide more New Zealanders with better places to play sport and recreate to enable participation to grow. Sport New Zealand is committed to better planning and design of facilities around New Zealand by encouraging the sharing of resources, collaborative planning, and leadership with respect to best practice design to reduce ongoing cost and provide better services to participants. As such Sport New Zealand has developed the New Zealand Sporting Facilities Framework; which acknowledges gaps and duplication in facility provision, isolated decision-making, facilities that are not fit-for-purpose, facilities that are too expensive to operate and maintain, facilities due for replacement, and a changing landscape of sport codes' requirements, user expectations, community standards, and volunteer involvement.

By 2020 Sport New Zealand hopes to achieve strategic decision making around facility development that ensures robust planning and the use of technical guidelines, sustainable facilities developed in the right locations, and investor collaboration at all levels of the facility hierarchy. Smart investment in sport and recreation facilities that make the best use of the limited resources available, is coordinated and aligned, and ensures that priority projects are funded. Thus, a network of facilities will exist that meet an identified need, are fit-for-purpose, accessible, sustainable, integrated, well utilised, and future-proof. These framework principals aim to improve all levels of decision making about sport and recreation facilities.

## **Taranaki Regional Sport and Recreation Facilities: A Strategic Approach**

In terms of the Framework implementation at a regional level, Sport New Zealand has led the initiation of a regional approach to facility planning via the development of Regional Facility Strategies across New Zealand which includes facility planning principals and criteria to improve decision making. In Taranaki, Global Leisure Group were engaged in 2016 to work alongside the local sector to develop a strategic region-wide view of the needs and priorities for future spaces, places, and facility development. The drivers for the regional approach was a desire from funders to invest wisely in projects that will have the most impact, an ageing network of facilities, changing community profiles, changing participation trends and volunteer involvement, increasing expectations of users, a growing acknowledgement of the hierarchy of facilities, and the inherent risks in responding to wants rather than prioritising needs. The Taranaki Regional Sport and Recreation Facility Strategy and Code-by-Code Analysis was developed and then further refined by the Steering Group into a Strategic Approach for the region. The Strategic Approach was adopted by the Steering Group in August 2018.

The Steering Group includes membership from New Plymouth, Stratford, and South Taranaki District Councils, Taranaki Electricity Trust, TSB Community Trust, NZ Community Trust, Sport New Zealand, and Sport Taranaki who all contribute funding to Sport Taranaki's Regional Facilities Advisor. Venture Taranaki also participates on the Group in an advisory capacity.

The agreed Approach identified that the majority of the region's facilities were developed over 30 years ago to meet the specific needs of individual sporting codes. The Approach suggested that the region has

some deficiencies due to facilities that are aged and not fit-for-purpose. New Plymouth is where demand for more provision from population growth will occur. As populations change facilities will need to be more adaptable, attractive, multi-purpose, and better meet the needs of a wider range of activities and users.

From the Approach an Implementation Plan is being implemented by the Steering Group to prioritise facilities planning region-wide. One of the key deliverables of the Implementation Plan is to investigate the need for a Multi-Sport Hub for New Plymouth.

An integrated multi-sport facility can offer the opportunity for improved quality of delivery, increased facility utilisation, reduced burden on volunteers by reducing the duplication of efforts, consolidation of provision leading to reduced operating costs, economies of scale, shared spaces and services, energised destinations that are attractive to participants and provide for economic benefits, shared resources and learning, and a sufficient scale of facility to provide management and operational expertise across multiple users. However, it is important to note that 'hubbing' will not resolve all facility challenges for New Plymouth and will only provide part of the solution.

The challenge is to ensure that multi-use facilities are of an appropriate scale and suitably resourced to not perpetuate the burden on volunteers. The Approach noted that where new hub facilities may be created these should not be considered as new or additional but rather as replacement to enable rationalisation of the existing facilities network to provide modern, multi-use, fit-for-purpose facilities. The Approach recommended that where agreement cannot be reached to rationalise then the development of a new facility should be given a lower priority, thus the impact of a Multi-Sport Hub on local-level delivery should be considered as part of the regional facility hierarchy.

The National Indoor Sports Facility Strategy (2013) data shows that along with Westport, Taranaki is one of only two regions without a 6 court facility (or access to 6 courts in close proximity). The benchmark comparison indicates that not only are there not enough facilities to meet current needs, but that Taranaki is falling behind in facility provision relative to its population.

The Approach identified that while there is a good spread of facilities across the region to ensure the whole region has good access to quality facilities and events, this has resulted in several sports having an over-supply in one area and an undersupply in another (i.e. hockey and athletics). This has resulted in under-utilisation of some facilities that are not located near the main population centre. The Approach advised that greater coordination and planning to ensure facilities of significance are located within close proximity of the majority of potential users to meet the need and maximise use is required.

The Approach demonstrates that traditional codes including rugby, netball, football, and cricket continue to maintain a strong level of participation; while bowls, golf, and tennis are examples of codes with falling membership levels. Informal and individual codes such as mountain biking, triathlon, and surfing are increasing in popularity along with a growth in secondary school participation in badminton, basketball, and volleyball all of which have limited pathways in the region beyond school.

One of the initial deliverables of the Steering Group was the development of a review and assessment process for facility challenges and proposals aligned to the Framework principals. The process allows the Group to provide advice to applicants about improving their proposals and recommendations to local funders, but does not replace funders own decision making processes.

## **New Plymouth Multi-Sport Hub**

In early 2019, the Taranaki Turf Trust submitted a Brief Report to the Steering Group for the development of a second hockey turf in New Plymouth to deal with the significant growth of their junior competition. The Trust requested that this be considered within any future Multi-Sport Hub planning. Since then New Plymouth District Council have also submitted a Preliminary Notification to the Steering Group for the completion of a Master Plan for a Multi-Sport Hub in New Plymouth. Both applications were supported by the Steering Group and the Group also recommended that other applicants engage in this process.

This also aligns with and builds on the June 2019 recommendation from the New Plymouth District Council Long-Term Plan to - *“Work with Sport Taranaki and the Taranaki Regional Sports Facilities Framework to assess the future requirements for indoor and outdoor court space across all relevant codes in New Plymouth District and report back on development options, funding models and sponsorship opportunities to minimise the impacts on ratepayers.”*

In April 2019, Sport Taranaki supported a number of sport and recreation codes through the submission process for the repair and development of Yarrow Stadium. During this process the codes developed some commonality around their facility needs and concerns for the future; thus the Taranaki Sport and Recreation Facility Collective was developed initially with representatives from 16 codes and organisations. A sub-set of the Collective, with support from NPDC and Sport Taranaki, has since progressed with the planning for the New Plymouth Multi-Sport Hub Master Plan; the key steps have been identified as:

- *Collate evidence for the need for facility development*
- Secure funding to appoint the necessary experts to undertake the Master Plan (including Project Manager and Expert Consultant(s))
- Refine the Master Plan scope (including a review of past-documentation and evidence for need, consultation with stakeholders, site selection review, bulk and form design for recommended site relative to identified needs, recommended governance model, and estimated development and operational budget)
- Complete Master Plan
- Socialise the Plan with stakeholders and the community
- Utilise the Plan to inform the next New Plymouth District Council planning cycle

Sport Taranaki has worked with individual sport and recreation codes, the New Plymouth District Council, the New Zealand Secondary School Sport Council, and Venture Taranaki to collect and collate the information found within to evidence the need to progress the planning for a Multi-Sport Hub in New Plymouth.



## Needs Assessment

This section provides an assessment of needs by code. Please refer to Appendix 1 for a more detailed code by code analysis.

### Participation Growth by Code

Overall participation in the 10 codes that have been reviewed has grown by 11% over the past four years in New Plymouth. Touch has the highest percentage of growth at 75%; Gymnastics and Volleyball follow closely at 46 – 48%, while Netball, Cricket, and Badminton have seen a slight reduction of 5% or less. However, Netball maintains the greatest number of overall participants, in excess of 3,500 in New Plymouth.

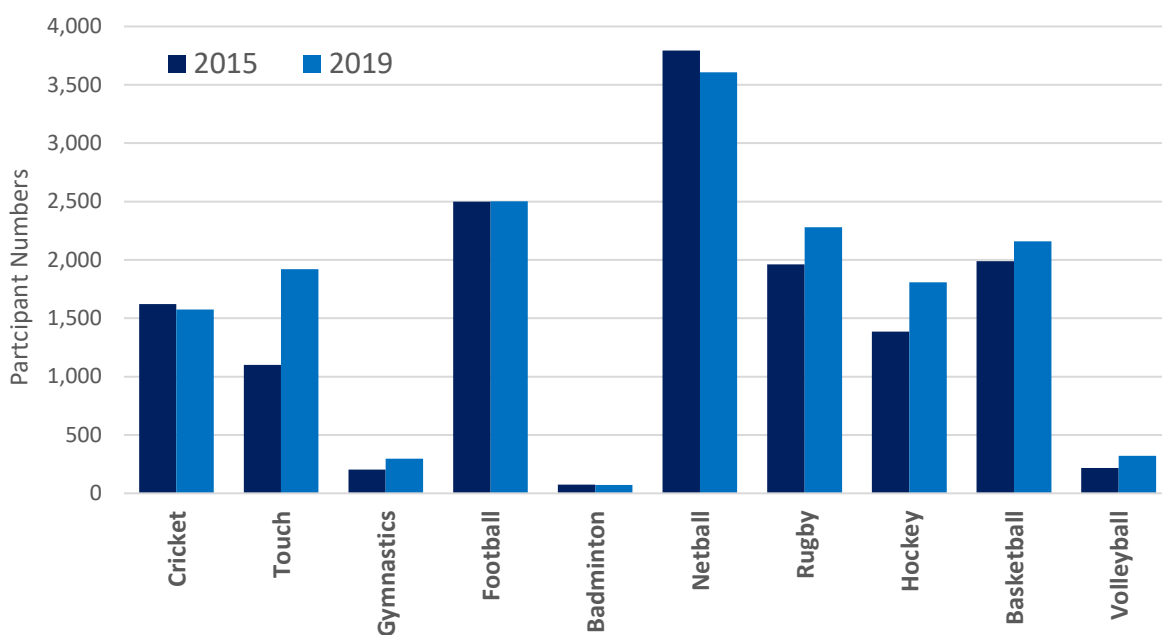


Figure 1: Participation growth by codes for 2015 and 2019

Based on registration data provided by each code for their regular season competition in 2015 and 2019 (excluding events, inter-school, and non-affiliated/off-season competitions), either number of actual individuals registered or number of teams with individual numbers estimated based on average number per team. Participants were deemed to be New Plymouth-based if they were registered with a New Plymouth-based club OR they resided in New Plymouth.

### Participation Split by Code (2019)

Netball (22%) has the biggest share of participants, closely followed by Football (15%) and Rugby (14%), accounting for over 8,000 individuals. Across these three codes it is unlikely that a participant would be counted more than once, as these top participation codes are all winter sports and representative and event participation has been excluded from this data set.

Netball, Basketball, Football, Touch, Hockey, Rugby, and Cricket (each have at least 1,000 participants) account for over 15,000 regular participants (i.e. competing in a formalised regular competition) in New Plymouth, approximately 20% of the New Plymouth population. Of these participants nearly 12,000 are participating in winter codes. One of these seven high participation codes is turf-based, four are field-based (two summer and two winter), and two are court-based (with one of these being indoor and the other being in- and outdoor). These rates are conservative given additional participants may play off-

season competitions outside of the traditional season when they are not playing their main code (i.e. summer series basketball).

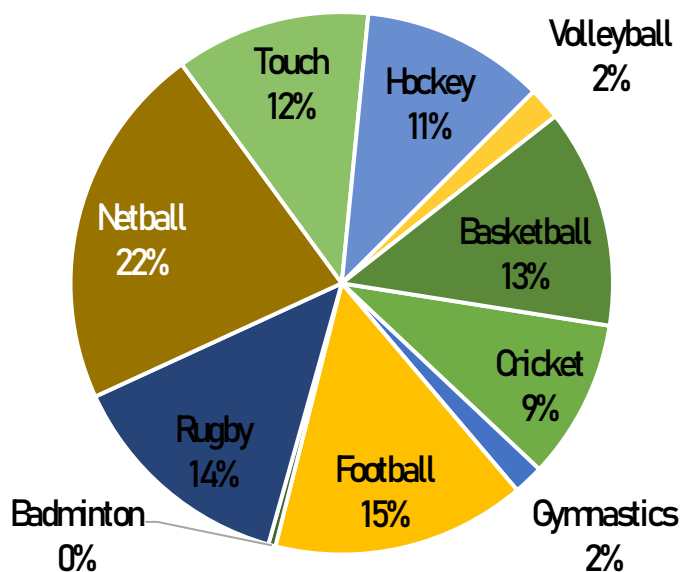


Figure 2: Participation split by code for 2019

Touch (75%), Volleyball (48%), Gymnastics (46%), Hockey (31% regionally), Rugby (16%), and Basketball (9%) have all experienced significant growth in the past 4 years which has further exacerbated facility challenges. While the winter codes of Netball, Basketball, Rugby, and Football have the highest overall participation numbers.

The evidence would suggest that the greatest facility pinch points in New Plymouth, based on participation trends and current facility availability, are for Hockey, Volleyball, and Basketball which cannot service their current numbers in terms of training facilities and have had to modify their competitions to accommodate the growth they are experiencing.

This however is not a complete picture of sport and recreation facility challenges in New Plymouth and as the Master Plan process progresses other codes may be analysed and included (i.e. martial arts, rock-climbing, squash, tennis, athletics, boxing, dance, group exercise etc). Nor will a Multi-Sport Hub be the solution to all sport and recreation challenges for the District, other challenges will be addressed in line with the other recommendations of the Strategic Approach. It is acknowledged that compromise and opportunities for future expansion will be realities of the process. Thus the Master Plan will focus primarily on indoor court/gymnasium, outdoor court, turf, and field codes.

## Facility Utilisation by Code (2019)

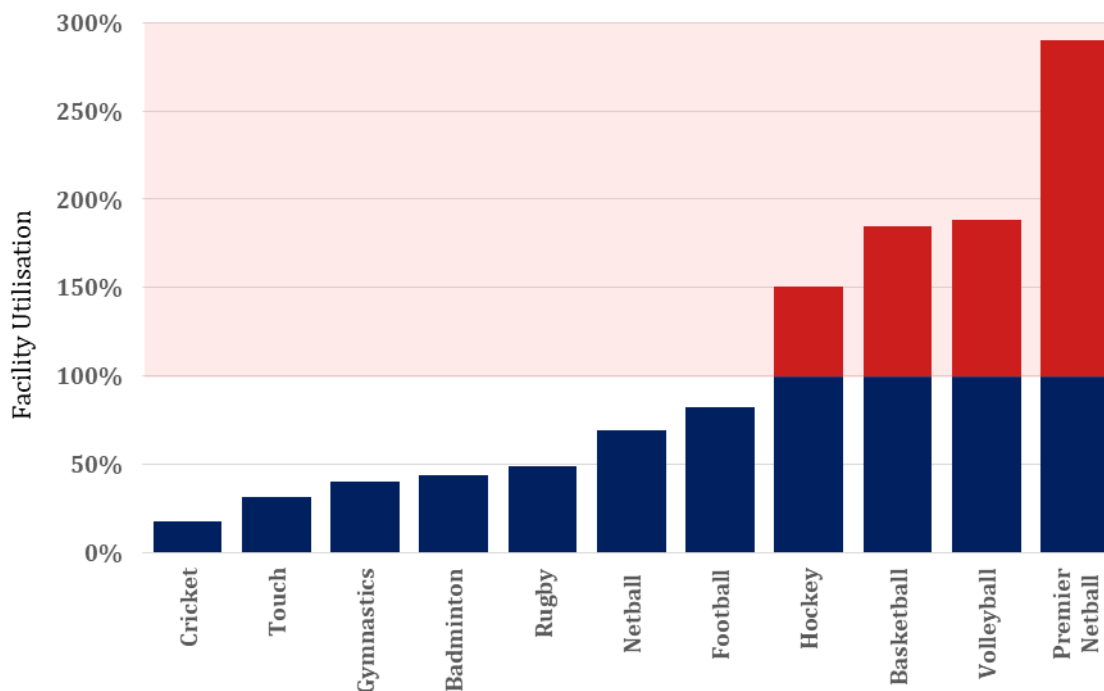


Figure 3 - Facility utilisation by code for 2019

The Blue area depicts current facility use for operation of each code’s regular season competition and associated training (if undertaken at a competition venue). The Red area depicts the additional amount of facility use required to run an optimal competition (including availability for training). This data is based on current facility booking data (from NPDC) and estimated facility hours required provided by each code to adequately run their competition. The utilisation rates for each code has been calculated differently for each code, alternatively the formula provided in Appendix 2 would have been used.

There is currently insufficient capacity for Basketball, Volleyball and Hockey. Premier Netball also has a capacity issue in terms of indoor court space for their premier competition. Basketball, Volleyball, and Hockey have had to implement modifications to their competitions due to availability of facilities (see Facility Challenges Summary, page 18). For example, Volleyball now has two secondary school tournaments instead of a full season of secondary competition and Basketball is running shorter, modified games to accommodate the number of junior teams etc. Facility utilisation is just one of a number of challenges codes face in terms of facilities which are detailed further in the Facility Multi-Criteria Analysis and the Overall Needs Assessment sections of this document (pages 14 and 15).

### Code Modification Examples

Examples of modifications to competition formats undertaken by codes with the greatest facility constraints are outlined below:

- Basketball – senior games are scheduled late at night and have no indoor space available for training, there are no gaps between games, the junior games have been reduced in length to accommodate the number of teams, there is no consistency for parents around the day of the week games are scheduled on due to facility availability, and the season may be interrupted or games moved off-site to accommodate event bookings

- Volleyball – there is no ability to run a junior competition, currently using reduced court sizes to run tournaments and competitions, the secondary school competition is now run as two three-week tournaments in Terms 1 and 4 due to facility availability, there is no facility available for senior training, and the only available time for the senior competition is a Sunday evening which often runs late into the night and occasionally conflicts with weekend event bookings
- Hockey – early and late games and practices are necessary to accommodate all teams, sometimes two New Plymouth teams play in Stratford due to turf availability, many teams are not practicing due to turf availability in New Plymouth, and the Year 1 programme has been moved to the New Plymouth Girls' High School tennis courts
- Netball – only the premier competition in New Plymouth is compromised due to demand for indoor court space, as such games are often rescheduled and sometimes two New Plymouth teams will need to play out of the District, games are scheduled across the week not allowing any certainty of commitment for participants

## Multi-Criteria Analysis of Facilities

	Utilisation	Event Venue	All Weather Facilities	Lit Facilities	Quality of Facilities	User Safety	Cost	Parking / Access	Shared Facility	Overall Score
Weightings	5	1	2	3	3	5	2	1	3	
Football										45
Rugby										40
Basketball										56
Netball										47
Gymnastics										51
Hockey										54
Cricket										37
Badminton										42
Volleyball										56
Touch										39

Scoring System Good = 1 Average = 2 Unacceptable = 3

Figure 4 – Multi-criteria analysis of facilities

A Multi-criteria Analysis (MCA) has been undertaken to evaluate the current condition of the facilities use by the codes we have assessed. A MCA, is an important tool used to evaluate different criteria to improve decision making. The MCA evaluates different options against a set of criteria with associated weightings. The weightings we have used in this scenario have been provided by an independent consultant<sup>2</sup>.

<sup>2</sup> GLG Sport Spaces & Facilities Strategy Planning Management. 2019 ([www.glg.nz](http://www.glg.nz))

## Multi-Criteria Analysis Outcome

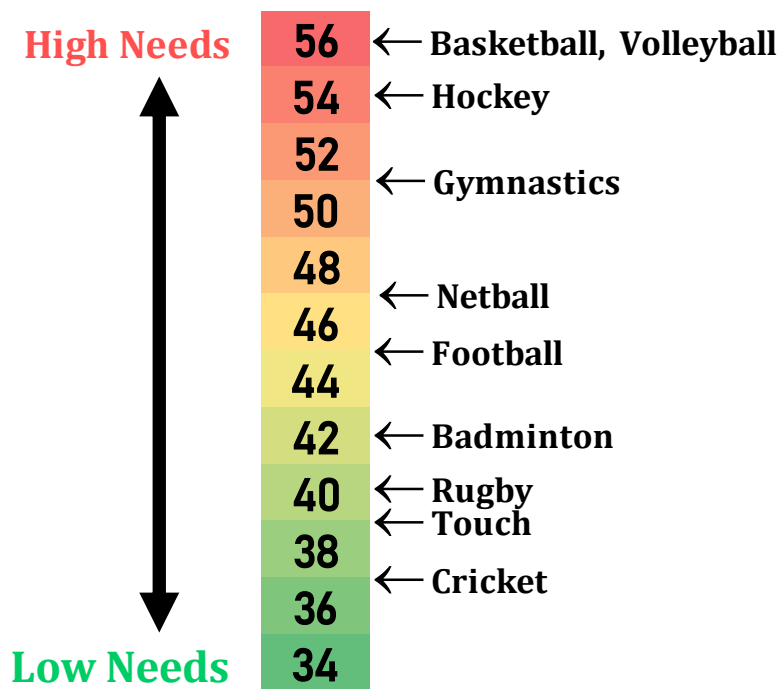


Figure 5 – Multi-criteria analysis outcome

All current facility venues have challenges in being able to provide suitable facilities for the sporting codes. The lower the score indicates the better the code's facility needs are being met.

Touch and Cricket have the lowest scoring but still have challenges, including but not limited to wet weather venues and a multi-field venue for tournaments and events. Basketball and Volleyball have the highest score, followed by Hockey, Gymnastics, and Netball; these codes currently have insufficient facilities to accommodate current participation, future growth, and provide quality experiences.

More details on the criteria definitions can be found in Appendix 3.

### Overall Assessment of Needs

The facility Multi-Criteria Analysis indicates where the needs are across the codes. This assessment provides direction on the overall need for a centralised sports hub. The chart below gives us an indication where the biggest need is.

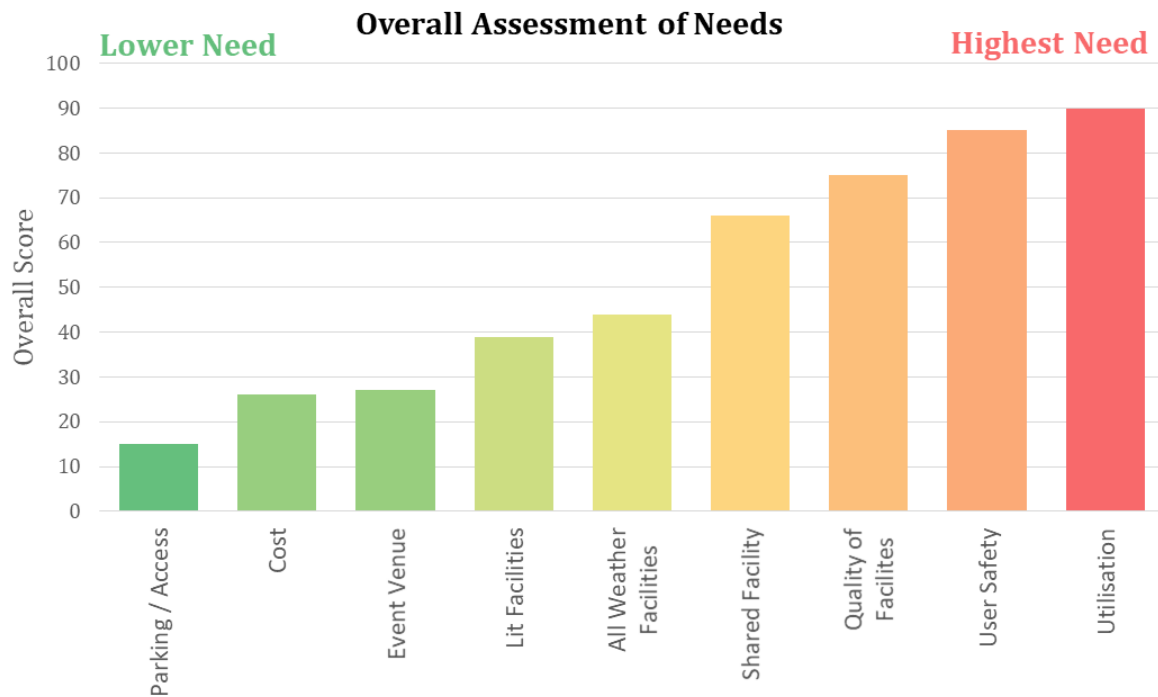


Figure 6 – Overall assessment of needs for all ten codes

The highest needs for the codes relate to the three criteria that relate directly to the provision and availability of facilities. The ability of sporting groups to access fit for purpose spaces at the right time is the most significant issue. This is particularly the case for indoor court space and specialised turf surfaces. This has impacted the effective running of some sports, with many sports adapting their approaches and limiting growth potential.

User safety is also a concern for some facilities which is generally related to the size of indoor facilities. For example indoor courts that do not have sufficient run-off for Netball and Basketball and the space available for Gymnastics is sub-optimal.

The quality of facilities is also lacking due to aging stock that is not fit for purpose and in some cases does not meet minimum code standards which in part is similar to the safety concerns (i.e. minimum court run-offs for Netball). This covers a wide range of codes and different issues such as field quality, age and condition of changing rooms and toilets.

The provision of training and competition venues that can be used in all weather conditions is a moderate concern. Sports such as Netball and Football have a good quantity of fields and courts available but many are not suitable in winter weather conditions, increasing demand for all-weather spaces.

In many cases codes are sharing facilities with other user groups. This is particularly the case for indoor sports at the TSB Stadium who are not able to operate effectively due to the use of this space for other sports and events (sporting and non-sporting). Codes such as Volleyball have had to modify the way they conduct their competitions and now run a tournament-style format for their youth competition to ensure availability of the venue.

The availability of lit-facilities is a lower need even though less than 40% of all outdoor winter facilities are lit. There is not significant demand to play later at night except possibly to change the junior rugby format, but instead there is demand for increased field quality and usable training hours.

The lower scoring matters (parking/access, event venue and cost), demonstrates that facilities are for the most part accessible and affordable for codes. The majority of the facilities are provided by New Plymouth District Council at a subsidised rate. There are also some relatively isolated issues around parking and safe access for some sports such as Netball and Gymnastics.



## Facility Challenges Summary

To better understand these facility challenges the table below outlines the major challenges by code.

They are split into three categories - Current Facility Challenges, Code Modifications Due to Facility Challenge, and the Events the District is Missing Out On. A detailed assessment code by code is included in Appendix 1.

	Current Facility Challenges	Code Modification Due to Facility Challenges	Events Missing Out On
Football	<ul style="list-style-type: none"> <li>No hub with multiple fields in one place capable of hosting tournaments or multiple fixtures</li> <li>Field quality (drainage) to cope with regular use during wet winters</li> <li>No all-weather facility (astro-turf) for training or events</li> </ul>		<ul style="list-style-type: none"> <li>TSSSA tournaments</li> <li>Night matches/weeknight competitions</li> </ul>
Rugby	<ul style="list-style-type: none"> <li>No all-purpose turf that is available all year round for training</li> <li>Yarrow Stadium not having the both stands in operation</li> <li>Lack of adequate lighting to enable midweek competitions</li> <li>Multiple fields in one location for tournaments</li> </ul>	<ul style="list-style-type: none"> <li>All U11 rugby from 2019 will be half field 10-a-side, also ties in with better skill development</li> <li>Well drained/all-purpose and better lit facilities will allow for other code modifications to increase/retain players</li> </ul>	<ul style="list-style-type: none"> <li>Ability to increase/diversify competition offerings</li> </ul>
Basketball	<ul style="list-style-type: none"> <li>No indoor space available for warming-up &amp; training</li> <li>Limited indoor court space in New Plymouth for competition</li> <li>Often have to schedule/reschedule competition around events/other bookings</li> <li>Not enough indoor courts or fit-for-purpose facilities to host tournaments/professional fixtures</li> </ul>	<ul style="list-style-type: none"> <li>Children &amp; adults playing late at night</li> <li>Varying timetable for parents, no set day of the week for each competition</li> <li>No gaps between games</li> <li>Reduced length games for some junior teams</li> <li>Increased number of byes</li> <li>Not using stop clocks for some age groups</li> <li>Limited ability to try new competition formats to increase participation due to space limitations</li> </ul>	<ul style="list-style-type: none"> <li>Representative &amp; secondary school tournaments (regional &amp; national)</li> <li>Development camps</li> <li>3 on 3 tournaments</li> </ul>
Netball	<ul style="list-style-type: none"> <li>Limited indoor courts in New Plymouth</li> <li>Often have to reschedule premier competition due to clashes</li> <li>New Plymouth premier teams have to play out of district</li> <li>Facilities not fit-for-purpose for professional fixtures or regional competition (i.e. scoreboard not included in hire fee)</li> <li>Main outdoor venue ageing &amp; difficult to access</li> </ul>	<ul style="list-style-type: none"> <li>Late night fixtures for premier teams</li> <li>Premier teams travelling to out of district to play</li> <li>Having to book full venue when only able to use two courts at a time</li> <li>Having to play competition across multiple nights of the week making it difficult for players to commit</li> </ul>	<ul style="list-style-type: none"> <li>Silver Ferns test matches</li> <li>ANZ Premiership matches</li> <li>Beko League</li> <li>Age-group nationals</li> <li>NZ Secondary School Championships</li> </ul>
Gymnastics	<p><b>NPGHS:</b></p> <ul style="list-style-type: none"> <li>Carparking difficult with school users, which limits availability of facility</li> <li>Reduced space available due to increased school demand</li> <li>Complex lease arrangement</li> </ul>	<ul style="list-style-type: none"> <li>Tumbling &amp; vault training has to be programmed around floor use</li> </ul>	<ul style="list-style-type: none"> <li>Taranaki Primary &amp; Intermediate competitions</li> <li>School GymSport Festival</li> <li>TSSSA Gymnastics events</li> <li>Taranaki Aerobics Championship</li> </ul>

	Current Facility Challenges	Code Modification Due to Facility Challenges	Events Missing Out On
	<ul style="list-style-type: none"> <li>Leaking roof</li> <li>Unable to extend or alter</li> <li>Limited accessible storage, no office or kitchen facilities</li> </ul> <p><b>Strandon:</b></p> <ul style="list-style-type: none"> <li>Limited safe car parking/access</li> <li>Offerings constrained by space</li> <li>Potential health &amp; safety risks due to limited space</li> <li>Limited viewing area for spectators</li> <li>Cost of commercial lease</li> <li>No suitable ceiling anchor points</li> <li>No hot water</li> <li>Limited availability for multi-use (i.e. cheerleading, martial arts etc)</li> </ul>		
Hockey	<ul style="list-style-type: none"> <li>Not enough space for training</li> <li>Games running late at night</li> <li>No ability to grow game in population dense district</li> <li>Ability to retain junior players as they move to full field hockey (38 players per field into 22)</li> <li>No changing, administration, warm-up, or socialising facilities</li> </ul>	<ul style="list-style-type: none"> <li>Early &amp; late games/practices</li> <li>Year 1 programme moved to NPGHS tennis courts</li> <li>New Plymouth teams playing in Stratford</li> <li>New Plymouth teams incentivised to train in Stratford</li> <li>Teams either not practicing at all, not practicing on the playing surface, or practicing not on full-sized turfs</li> </ul>	<ul style="list-style-type: none"> <li>National Tournaments</li> <li>Regional Tournaments from 2021</li> </ul>
Cricket	<ul style="list-style-type: none"> <li>Limited ability to hold multiple games in one place</li> <li>No ability to host premier night matches</li> </ul>	<ul style="list-style-type: none"> <li>Growing junior cricket moved to Friday nights</li> </ul>	<ul style="list-style-type: none"> <li>Specialist coaching workshops</li> <li>Stags &amp; Hinds matches</li> <li>NZC Festival Days</li> </ul>
Badminton	<ul style="list-style-type: none"> <li>Limited fit-for-purpose indoor courts in New Plymouth</li> <li>Often need to reschedule times due to facility demand</li> <li>Trainings &amp; competition often late at night</li> <li>Manual booking system</li> <li>Not enough suitable courts in one venue to host a large-scale tournament</li> </ul>	<ul style="list-style-type: none"> <li>Sometimes need to change game format for competitions due to number of entries &amp; court availability</li> <li>Need to schedule NZ Badminton competitions around TRFU bookings</li> </ul>	<ul style="list-style-type: none"> <li>NZ Sanctioned Tournaments</li> <li>Large-scale youth &amp; senior tournaments</li> </ul>
Volleyball	<ul style="list-style-type: none"> <li>No suitable venue for training</li> <li>Often have to reschedule games due to events</li> <li>Games run late at night</li> <li>Growth of sport limited by facility capacity</li> <li>No suitable multi-court venue for tournaments</li> </ul>	<ul style="list-style-type: none"> <li>No junior competition</li> <li>Using reduced court sizes</li> <li>No regular youth competition</li> <li>Sunday night only available time for senior league</li> </ul>	<ul style="list-style-type: none"> <li>Junior volleyball competition</li> <li>Secondary school tournaments</li> </ul>
Touch	<ul style="list-style-type: none"> <li>Not enough fields for a national tournament</li> <li>Field markings, mowing cycle, cost, and sound system</li> </ul>	<ul style="list-style-type: none"> <li>Juniors play on half fields to accommodate teams</li> <li>Short turn around between games</li> <li>Shortened senior game times</li> </ul>	<ul style="list-style-type: none"> <li>Regional and national tournaments</li> </ul>

Figure 7 – Facility challenges summary

## TSB Stadium Facility Utilisation

Data relating to the usage of TSB Stadium has been provided by New Plymouth District Council utilising reports generated from the facility booking software. This information only presents bookings and not attempted bookings that are declined or shifted due to conflicts.

TSB Stadium continues to operate at a high level of utilisation with a Non-Event (i.e. community sport and other regular community use) to Event ratio of 37:63. This is unusually high for a stadium of this type, where you would typically expect to see a 50:50 ratio or a higher community sport or non-event use<sup>3</sup>. The high 'Event' use continues to negatively impact on the ability of community sport to access the stadium which also highlights the lack of a suitable events centre in the District.

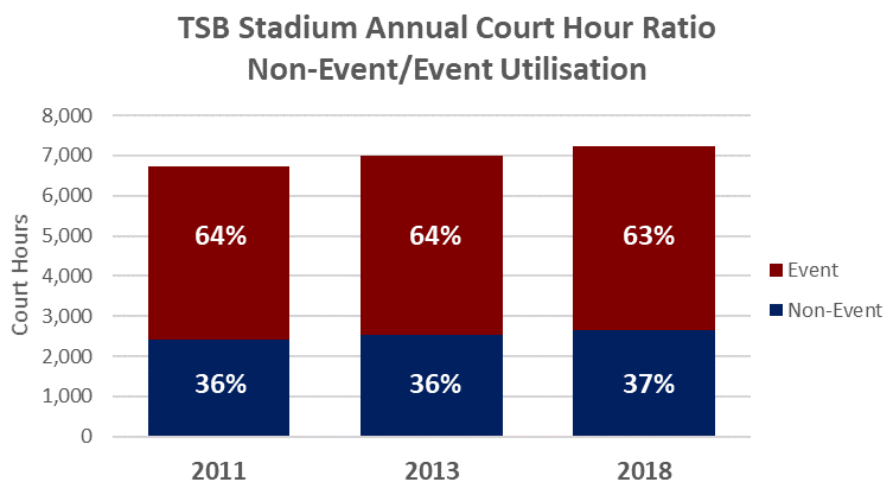


Figure 8 – TSB Stadium annual court hour ratio (non-event/event utilisation)

Comparison of Non-Sport to Sport use shows that overall sport use of the TSB Stadium is increasing however the majority of this increase is with sport events for example as described above Volleyball now run 'tournaments' rather than weekly competition due to facility availability and this stadium use falls under category of Event. Likewise in 2018 Basketball were not allocated an increase in weeknight hours for their regular competition however an increased number of Basketball events and tournaments were hosted at the Stadium.

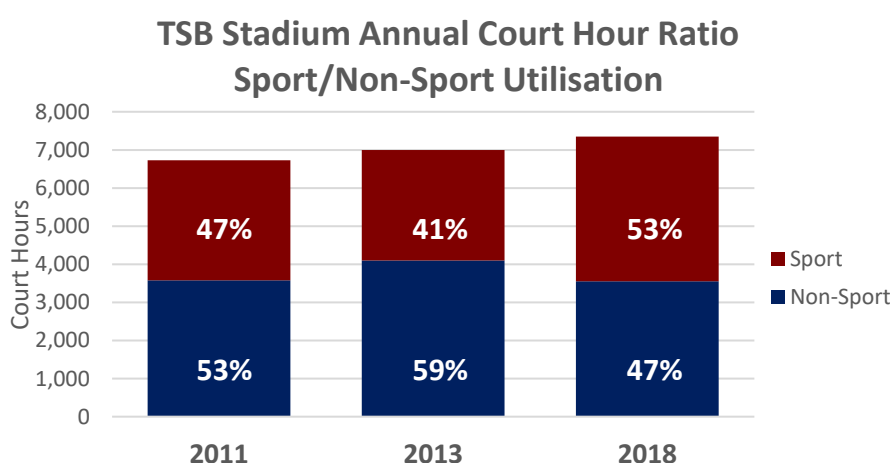


Figure 9 - TSB Stadium annual court hour ratio (sport/non-sport utilisation)

*Non-Sport use has decreased due to the loss of two large events between 2013 and 2018 – the 24 Hour Book Sale and Fashion Shows, which together utilised around 250+ court hours.*

<sup>3</sup> TSB Stadium Recreation Activity and Facility Demand Study by SGL, 2012

## Estimated Economic Benefits of a Multi-Sport Hub Facility

The New Zealand Secondary School Council recommended National Sports Organisations that could hypothetically bring secondary school tournaments to New Plymouth if a Multi-Sport Hub facility was available as an example of the scale of Secondary School events that such a facility could attract. The hypothetical facility included a minimum of 6 indoor courts, 10 outdoor netball courts, and 5-6 outdoor fields (a mix of grass and artificial turf including Hockey). The following National Sport Organisations made recommendations and estimates about the events that could participate at such a facility, as outlined in the table below:

Hypothetical Event	Number of Participants & Officials	Number of Days	Number of Nights	Out of Area Participants
<b>Basketball New Zealand</b>				
Secondary School Basketball 'A'	446	3 or 4	2 or 3	75-85%
Secondary school Basketball Juniors Zone 3	445	3 or 4	2 or 3	75-85%
Secondary school Basketball 'AA'	387	3 or 4	2 or 3	75-85%
SS Basketball Non Qualifier Cup	180	3 or 4	2 or 3	75-85%
<b>New Zealand Lacrosse</b>				
Secondary School Lacrosse A Grade	200	3	2 or 3	90%
<b>New Zealand Ultimate</b>				
NZ Youth Ultimate Championships	174	2	1	97%
SS Ultimate Championship	200	2	1	90%
Regional Ultimate Championship	168	2	1	Unknown
<b>Badminton New Zealand</b>				
Badminton Secondary School / Tertiary Championships	350	5	5	99%
Badminton NZ U13 / U17 Championships	200	4	4	99%
Badminton NZ U15 / U19 Championships	200	4	4	99%
Badminton NZ Masters Championships	150	3	3	99%
<b>Football New Zealand</b>				
Secondary School Football Lotto Premier Tournament	600	5	5	90%
Secondary School Football 24 Team Satellite Tournament	400	Unknown	Unknown	70%
<b>Netball New Zealand</b>				
NZ Secondary Schools Netball Championships	297	5	4	88% (based on 2 local teams qualifying)
NZ U18/19 Tournament	308	5	4	94%
<b>Volleyball New Zealand</b>				
North Island Juniors Secondary Schools (NIJSS)	700	3-4	2-3	98%
Interprovincial Champs (IPC)	570	3-4	2-3	98%
Club Champs (CC)	600	3-4	2-3	98%

Figure 10 – Estimated economic benefit from hypothetical events held in New Plymouth

This is not a complete list of potential secondary-school sports events but rather an indication of what events a Multi-Sport Hub facility could attract. Examples of travelling team budgets from Francis Douglas Memorial College, New Plymouth Boys' High School, and New Plymouth Girls' High School have also been analysed to understand the realistic scale of expenditure by secondary school teams.

Using that expenditure data and a wide range of other assumptions Venture Taranaki has completed a basic benefit impact analysis for the 18 events above as a whole. Venture Taranaki have estimated the benefit to the District of attracting 18 mid-size secondary school events would be \$1.8 million value added GDP across all events. This is a conservative estimate as the assumptions only include a small number of travelling parents and spectators when in reality often a large number of parents and supporters travel with the teams however this data is not collected by the codes.

## Recommendations

There is substantial evidence to suggest that the current provision of facilities in New Plymouth is not adequate to meet current demand or anticipated future growth for many codes, facilities are aged or no longer fit-for-purpose. Consistently it was noted that New Plymouth is unable to attract significant sporting tournaments and events due to a lack of multiple and compliant courts, fields, turfs in one location. As such it is recommended that:

- Sport Taranaki continues to support codes to improve processes for collecting, storing, and regularly reporting quality data to inform facility planning (and other planning work) ongoing
- An external consultant(s) reviews the need for and undertakes a Master Planning process (including site selection, future-proof layout, recommendations for governance, and estimated development and operational costs) alongside key stakeholders for a Multi-Sport Hub in New Plymouth of an appropriate scale to inform Council planning
- The Plan is presented and communicated in a manner that is acceptable to and supported by the wider community
- That the process investigates whether there are opportunities for the facility challenges faced by other smaller sport and recreation codes (including but not limited to athletics, tennis, rock-climbing, martial arts, dance, boxing, group exercise) which could be met by a Multi-Sport Hub in New Plymouth
- Commercial 'wellness' and improved user 'experience' opportunities for community benefit are considered part of a Multi-Sport Hub (i.e. fitness centre, playgrounds, streetball, active transport links, health services, food and beverage)
- Consideration be given to event needs and revenue given the existing lack of an events centre in the district and the current impact of this on community sport delivery
- The Master Plan process enables a staged approach to development including room for expansion if required; noting that Basketball, Hockey, and Volleyball appear to have the most urgent facility needs and development to be prioritised accordingly

## Appendix 1 - Code Participation Breakdown

### Code-by-Code Participation and Facility Utilisation: Winter Codes

Facilities Utilised in New Plymouth for Regular Affiliated Competition Delivery (2019):

<b>Indoor Courts</b>	<b>Full-Size Lit Courts</b>	<b>Full-Size Un-Lit Courts</b>	<b>Owner</b>	<b>Code(s)</b>
TSB Stadium	3 (netball only use 2)	0	NPDC	Netball/Basketball
Francis Douglas Memorial College Stadium	1	0	FDMC	Basketball
New Plymouth Girls' High School Stadium	1	0	NPGHS	Basketball
Sacred Heart Girls' College Stadium	1	0	SHGC	Basketball
New Plymouth Boys' High School Stadium	1	0	NPBHS	Basketball
<b>Outdoor Courts</b>	<b>Full-Size Lit Courts</b>	<b>Full-Size Un-Lit Courts</b>	<b>Owner</b>	<b>Code(s)</b>
Waiwhakaiho Netball Centre	10	3	NPDC	Netball
Trimble Park Netball Courts	0	4	NPDC	Netball (beginner programme & training venue only due to surface quality)
Clifton Park Netball Courts	2	2	NTSR/NPDC	Netball
<b>Turf</b>	<b>Full-Size Lit Turf</b>	<b>Full-Size Un-Lit Turf</b>	<b>Owner</b>	<b>Code(s)</b>
NPBHS Turf	1	0	NPBHS	Hockey
NPGHS Tennis Courts	0	0.1 (3 tennis courts)	NPGHS	Hockey (beginner programme & training venue only)
<b>Fields</b>	<b>Full-Size Lit Fields</b>	<b>Full-Size Un-Lit Fields</b>	<b>Owner</b>	<b>Code(s)</b>
Merrilands Domain	1	1	NPDC	Football
Lynmouth Park	2	0	NPDC	Football
Peringa Park	1	1	NPDC	Football
Sutherland Park	1	1	NPDC	Football
Onuku Taipiri Domain	1 (training venue only)	2	NPDC	Football
New Plymouth Boys' High School Webster Fields	0	2	NPBHS	Football
Francis Douglas Memorial College	0	3	FDMC	Football
Manukorihi Park	1	1	NPDC	Football
Karo Park	1	1	NPDC	Football
Corbett Park	1	0	NPDC	Football
Te Mete Park	1	1	NPDC	Football
Pukekura Racecourse	0	1	NPDC	Football
Spotswood College	0	2	Spotswood College	Football
Waitara High School	0	1	Waitara High School	Football
Inglewood High School	0	1	Inglewood High School	Football
Coastal Taranaki School	0	1	Coastal Taranaki School	Football
New Plymouth Girls' High School	0	2	NPGHS	Football
Sacred Heart Girls' College	0	1	SHGC	Football
Spotswood Primary	0	1 (junior size)	Spotswood Primary	Football
Omata School	0	1 (junior size)	Omata School	Football
West End School	0	2 (junior size)	West End School	Football
Puketapu School	0	1 (junior size)	Puketapu School	Football

Bell Block Primary	0	1 (junior size)	Bell Block Primary	Football
Highlands Intermediate	0	2 (junior size)	Highlands Intermediate	Football
Oakura School	0	1 (junior size)	Oakura School	Football
St Joseph's New Plymouth	0	2 junior size)	St Joseph's New Plymouth	Football
Westown School	0	1 (junior size)	Westown School	Football
Welbourn School	0	1 (junior size)	Welbourn School	Football
Mangorei School	0	1	Mangorei School	Football
Vogeltown School	0	1	Vogeltown School	Football
Lepperton School	0	1	Lepperton School	Football
Hickford Park	0	3	NPDC	Rugby/League
Sanders Park	1	2	NPDC	Rugby
Clifton Rugby Club, Tikorangi	1	2	NPDC	Rugby
Corbett Park	1	0	NPDC	Rugby (junior only)
Jubilee Park	4	0	NPDC	Rugby
Sacred Heart Girls' College	0	1	Sacred Heart Girls' College	Rugby (youth only)
Francis Douglas Memorial College	0	3	Francis Douglas Memorial College	Rugby (youth only)
Inglewood High School	0	2	Inglewood High School	Rugby (youth only)
Okato Domain	1	1	NPDC	Rugby
Spotswood College	0	2	Spotswood College	Rugby (youth only)
Waitara High School	0	2	Waitara High School	Rugby/League (youth only)
New Plymouth Boys' High School	0	2	New Plymouth Boys' High School	Rugby (youth only)
Pukekura Racecourse	0	3	NPDC	Rugby (youth only)
Vogeltown Park	1	2	NPDC	Rugby
Spotswood United, Maratahu Street	3	0	NPDC	Rugby

*Dual facility users have only been identified if they share the same 'space' in the same season within the facility, many facilities have designated rugby and football fields for example (i.e. Spotswood College)*

*Figure 11 – Winter codes facilities*



## Football



### Participation

In 2019 2,502 individuals registered to play winter football in New Plymouth; of these 1,164 were juniors (47% Year 1 – 8), 720 were youth (29% Year 9 – 13), and 618 were seniors (25% adult). Football participation in New Plymouth has been maintained at around 2,500 individuals since 2015. 24% of the total number of players were female. Central Football has 139 junior teams, 44 youth teams, and 37 senior teams registered in New Plymouth. This does not include participation in Futsal (64 affiliated players in 2019 all of which also play in the regular winter competition), interschool fixtures, representative teams, or summer/non-affiliated leagues which may be explored as the project progresses.

### Facilities

Central Football utilises 32 full-sized club/public/secondary school fields and the equivalent of 16 junior-sized primary school fields to run trainings and their winter competition across age-groups, this includes 10 fields lit to a standard suitable for winter training. This excludes premier venues for representative teams and one-off events (i.e. Jubilee Park, Yarrow Stadium, and Pukekura Park). Based on informed estimates relative to participation numbers and ages of participants the rate of field utilisation for training and competition is 83%.

### Challenges

As football is a winter sport (April to September) a limited number of lit facilities for training is a challenge and are prioritised for more competitive teams. Another challenge related to the time of year is the field quality and drainage; a 'normal' weather season would require a minimum of 2 recovery days per week for each field. Football has no venue capable of hosting a significant tournament (i.e. 4 – 5 fields in one location). Football (and possibly Futsal) participants would benefit from lit astro-turf facilities for training to maximise utilisation and a 'home of football' with multiple fields located at one venue.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Length	Field Size
Junior (Y1-8)	1,164	139	10	70	60	½
Youth (Y9-13)	720	44	15	130	120	1
Senior	618	37	18	130	180	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

### Fields Available & Utilised

Number	Junior Fields/ Half Fields	Full-Size Lit Fields	Full-Size Un-Lit Fields
	16	10	22

Based on research provided by an independent consultant<sup>4</sup> and the Sports Turf Institute Report we have used an estimated recommended winter field capacity of 8 hours a week for a full field. Where there is a junior field we would reduce this capacity by 50% as the demand calculations are based on full sized fields.

Number of full-size fields	40	Multiplied by	8	Hours per week equals	320
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Utilisation	Number of Training Field Hours Required p/w (based on 2 teams per field)	Number of Competition Field Hours Required p/w	Total hours required p/w
Junior	35	41	264
Youth	44	48	
Senior	56	40	
	135	129	

<sup>4</sup> GLG Sport Spaces & Facilities Strategy Planning Management. 2019. ([www.glg.nz](http://www.glg.nz))

Number of Field Hours Available p/w **320**

Utilisation p/w **83%**

### Multi-Criteria Analysis Needs Assessment

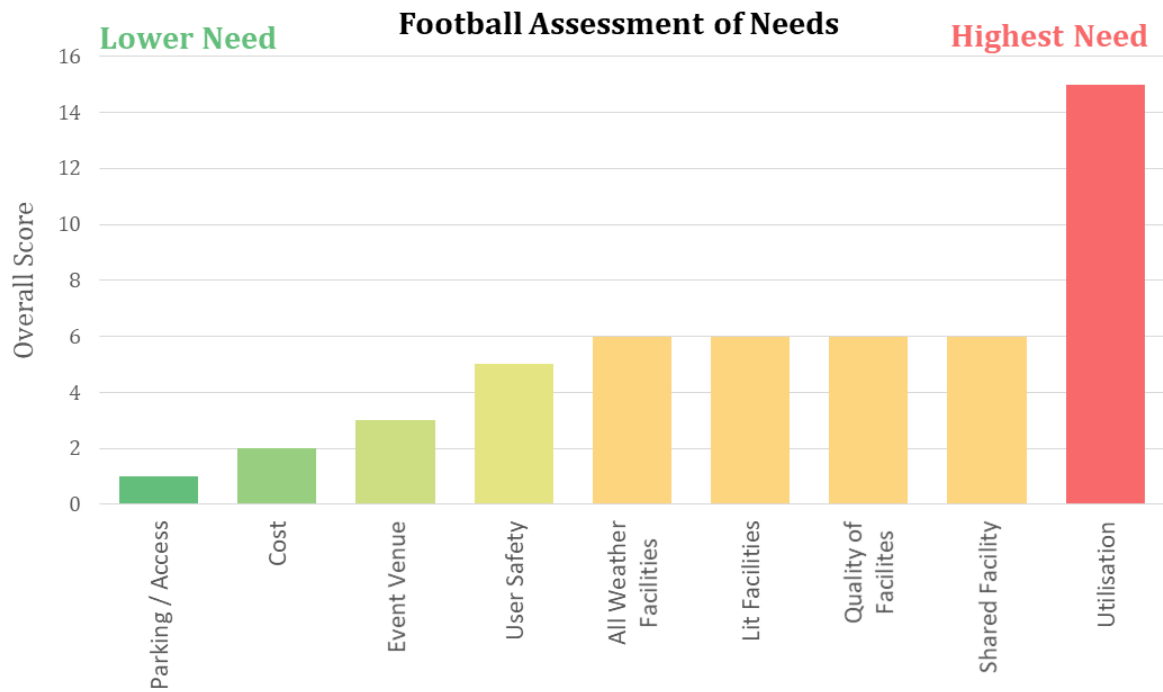


Figure 12 – Football assessment of facility needs

## Netball



### Participation

In 2019, 3014 individuals are registered to play netball in New Plymouth; of these 1694 were juniors (56% Year 1 – 8), 684 were youth (23% Year 9 – 13), and 636 were seniors (21% adult). Netball participation has decreased from 3,504 individuals in 2015; however the number of teams has increased from a total of 292 to 317 in the same period (the junior competition has been modified to include less players per team). Netball Taranaki had 154 junior teams, 57 youth teams, and 53 senior teams (including 18 premier teams of which 5 are youth teams) registered in New Plymouth for the winter competition (April to September but in New Plymouth the Year 1 and 2 competition runs in Term 4). These rates exclude summer/spring leagues, casual/non-affiliated, indoor, representative/professional, and inter-school competition players.

### Facilities

Netball Taranaki utilises 21 full-sized public outdoor courts at Waiwhakaiho in New Plymouth, Waitara, and Inglewood to run trainings and their winter competition across a variety of age-groups. 12 courts are lit to a standard suitable for winter training, 2 of which are covered and lit to a standard suitable for competition. TSB Stadium has 3 indoor courts only 2 of which are used for the premier-level competition to allow space between courts for run-off, officials, and spectators. School courts are also used for the majority of junior and youth team trainings and inter-school fixtures. Based on informed estimates relative to participation numbers and ages of participants the rate of court utilisation for community competition training and competition is 69% and 290% for premier netball competition. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low.

### Challenges

The main outdoor venue at Waiwhakaiho in New Plymouth is difficult to access for participants and spectators; while spaces for changing, socialising, first aid, and game-day administration are aged and not fit-for-purpose. The main outdoor venue is not located at the same location as the indoor venue creating a separation between levels of competition and no ability to showcase competitive-level netball to other participants. The Trimble Park court surface is considered below standard and therefore only suitable for training and the junior competition. To host a significant tournament such as Secondary School Championships or age-group nationals a large compliant multi-court indoor venue would be necessary. The current TSB Stadium does not meet Netball New Zealand regulations to host semi-professional matches; the Stadium is often unavailable due to demand from other codes and events and is perceived to be expensive to hire (i.e. the scoreboard is an additional cost). Due to venue availability premier New Plymouth teams often play outside of the District or are rescheduled due to booking clashes. Competitions at the indoor venue run late into the night and often across multiple nights due to venue availability making it difficult for participants to have any certainty of their commitment.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Times	Court Size
Junior (Y1-8)	1,694	207	10	50	N/A	Y1/2 = half court (52 teams) Y3 – 8 = full court
Youth (Y9-13)	684	57	12	70	N/A	1
Senior	636	53	12	70	120	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

### Number of Full-Size Courts Available

	Training / Junior Only Courts	Un-Lit Full-Size Courts	Lit Full-Size Courts
TSB Stadium			2
Waiwhakaiho Courts		3	10
Clifton Park	2		2
Trimble Park	4		

According to the Netball New Zealand National Facilities Strategy<sup>5</sup>, analysis of the utilisation of a netball centre indicates that a centre operating within over 30 teams per court can be considered to be at or above capacity. A netball centre with fewer than 30 teams per court has potential spare capacity and could efficiently be utilised thus we have used the assumption that 25 teams per court should be sufficient capacity, with the exception of TSB Stadium which is available for 5 hours per week for the Premier competition.

### Utilisation

Number of teams	299	Divided by number of teams	25	Teams per court equals	12
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Number of full-size court hours available	10	Community Netball utilisation p/w Premier team utilisation p/w	69%
Number of premier training court hours required (2 teams per court)	18		290%
Number of premier competition court hours	11		

### Multi-Criteria Analysis Needs Assessment

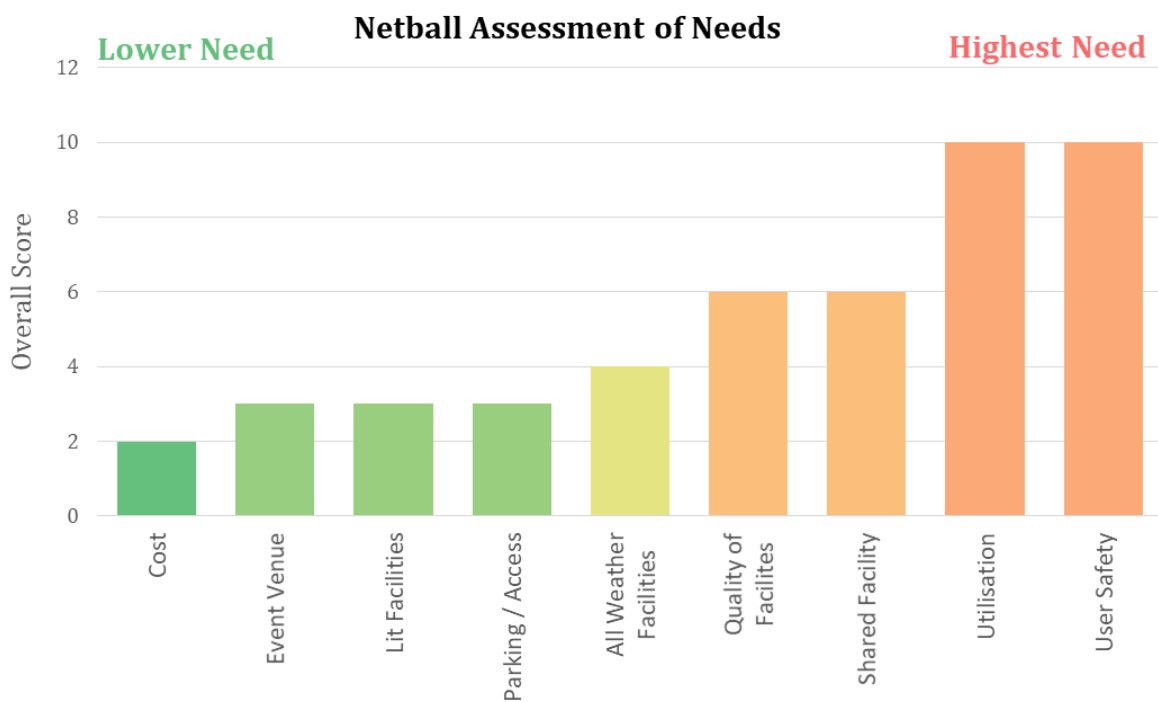


Figure 13 - Netball assessment of facility needs

<sup>5</sup> <https://sportnz.org.nz/assets/Uploads/Netball-NZ-National-Facilities-Strategy.pdf> (Page 9)

## Rugby



### Participation

In 2019, 2010 individuals were registered to play rugby in New Plymouth; of these 1008 were juniors (50% Year 1 – 8), 540 were youth (27% Year 9 – 13), and 462 were seniors (23% adult); player numbers have been estimated based on average team numbers for each level of competition and includes an estimated 5% females. A further 2,700 junior and youth players (of which an estimated 50% are also weekly competition players) participated in Rippa Rugby school-based tournaments, more females participate in the Rippa Rugby tournaments than in the regular competition. Rugby participation in New Plymouth has increased slightly from 1,962 players in 2015.

Taranaki Rugby had 84 junior teams, 27 youth teams, and 21 senior teams registered with New Plymouth-based clubs in the 2019 winter competition. This excludes tournament, non-affiliated competitions, Rippa Rugby, representative-level/professional, and inter-school participation.

### Facilities

Taranaki Rugby utilises 37 full-sized fields in New Plymouth which include both club/public and secondary school fields (12 of which are lit for training) to run trainings and their winter competition across all age-groups. There are a further 2 fields that are lit to a standard suitable for competition including Yarrow Stadium which is a single lit field used for senior club finals and the representative men's competition (ITM Cup) and the Jubilee Park centre field. Based on informed estimates relative to participation numbers and ages of participants the rate of field utilisation for training and competition is 49%. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low.

### Challenges

As rugby is a winter sport (May to July, the professional/representative season runs July to October) a limited number of lit facilities for training is a challenge, and due to the physical nature of the sport a minimum of 5 recovery days is needed per field that has hosted youth and senior games in order to maintain the pitch in a playable standard. A lit artificial surface for training would help alleviate this issue. The only rugby venue in the district capable of hosting a significant tournament (i.e. 4 – 5 fields in one location) is Jubilee Park in Inglewood. More fields lit to a standard for playing would enable junior competitions to be run during the week along with a modified competition structure to help maintain and grow participation rates.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Time	Average Field Size
Junior (Y1-8)	1,008	84	12	60	60	½
Youth (Y9-13)	540	27	20	85	150	1
Senior	462	21	22	105	180	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No

### Fields Available & Utilised

	Full-Size Lit Fields	Full-Size Un-Lit Fields
Number	12	25

Based on research provided by an independent consultant<sup>6</sup> and the Sports Turf Institute Report we have used an estimated recommended winter field capacity of 8 hours a week for a full field. Where there is a junior field we would reduce this capacity by 50% as the demand calculations are based on full-sized fields.

Number of full fields	37	Multiplied by	8	Hours per week equals	296
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<sup>6</sup> GLG Sport Spaces & Facilities Strategy Planning Management. 2019 (www.glg.nz)

Utilisation	Number of Training Field Hours Required p/w (2 teams per field)	Number of Competition Field Hours Required p/w	Total Hours Required p/w
Junior	21	21	145
Youth	34	19	
Senior	32	18	
	87	58	

Number of Field Hours Available p/w	296	Utilisation p/w	49%
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### Multi-Criteria Analysis Needs Assessment

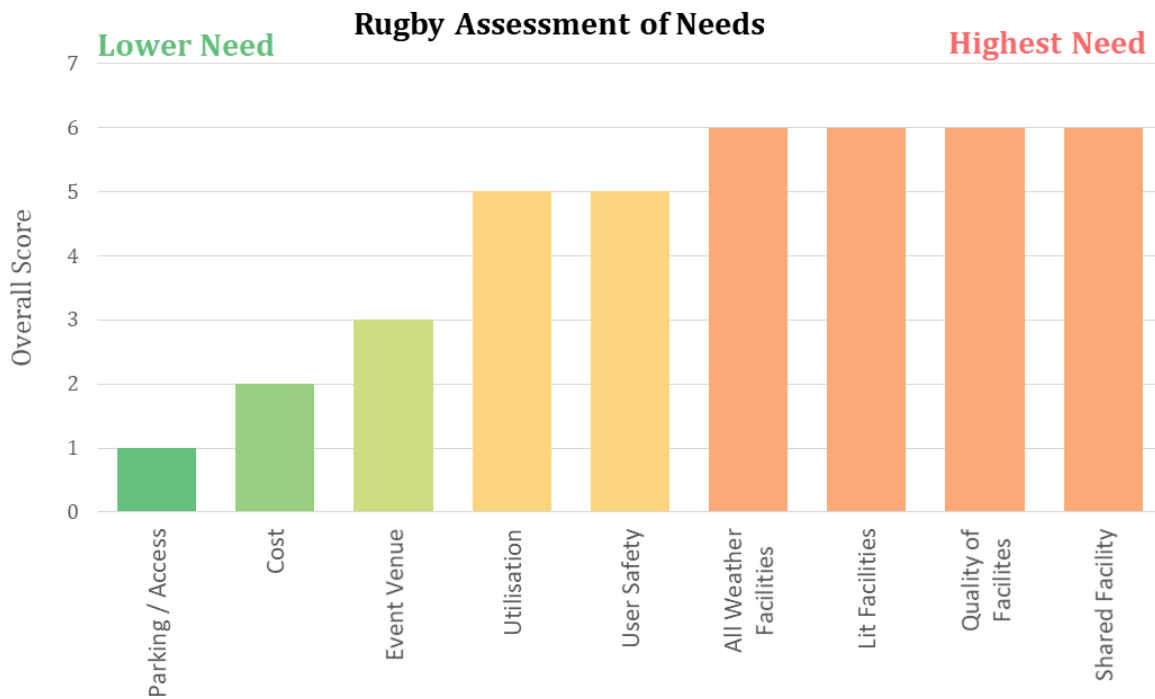


Figure 14 - Rugby assessment of facility needs

## Basketball



### Participation

In 2019, 2160 individuals were registered to play basketball in New Plymouth this is an increase of 9% from 2015. Of the total number of registered players in 2019, 1100 were juniors (51% Year 1 – 8 including Miniball), 540 were youth (25% Year 9 – 13), and 520 were seniors (24% adult). Junior participation has increased by 7% since 2015, youth by 10%, and senior by 11% from a total of 1,990 individuals. The number of individuals participating is based on an average of 10 participants per registered team. New Plymouth Basketball Association has 110 junior teams, 54 youth teams, and 52 senior teams registered in New Plymouth. This is an overall increase of 17 teams since 2015. These rates exclude wheelchair basketball, non-affiliated/casual, summer league, representative, and BTI secondary school participants. These rates of individuals are conservative given additional participants play off-season Summer Series Basketball competition outside of the traditional season when they participating in other codes (i.e. rugby or football).

### Facilities

New Plymouth Basketball Association utilises 5 venues for their competitions which includes 7 full-sized courts (TSB Stadium, Francis Douglas Memorial College, Sacred Heart Girls' College, New Plymouth Girls' High School, and New Plymouth Boys' High School). All the school-based courts (which also accommodate youth team training), with the exception of Sacred Heart Girls' College, are slightly shorter than the recommended full-size. The courts at TSB Stadium and Sacred Heart Girls' College are full-size but do not have the required run-off and other supporting facilities to meet FIBA Standards for certain tournaments and professional fixtures. The court at YMCA is no longer used due to availability and cost. It is predicted that the new Spotswood College one-court stadium will be operational in 2020 and will also be utilised for the youth competition. Junior teams generally practice on courts at their primary school.

The primary season runs from April to September. Based on informed estimates relative to participation numbers and ages of participants the rate of court utilisation for training and competition is 187%. The utilisation rate excludes facility usage associated with Basketball events such as Mountaineers and Breakers games, tournaments, off-season competitions, representative training etc. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low.

### Challenges

New Plymouth is currently missing out on regional and secondary tournaments, training camps, development programmes, international fixtures, and 3-on-3 competitions due to facility limitations. Limitations include limited indoor space for warming-up and training, competitions being rescheduled around other bookings, no fit-for-purpose multi-court (minimum 6) venue to host tournaments and professional fixtures. Breakers matches require an exemption to be hosted at TSB Stadium and New Zealand test matches cannot be hosted in New Plymouth due to the facility not meeting FIBA Standards. New Plymouth Basketball Association has modified their competitions to accommodate the current facility limitations including late night fixtures, inconsistent timetabling, no gaps between games, reduced game time and no shock clock for juniors, and an increased number of byes to accommodate all teams. There is also limited ability to try new competition formats to increase participation due to the limited indoor space. The Association is also experiencing off-season demand for social senior competitions and suitable training space for 17 youth representative teams (that compete at Easter) which is in turn placing strain on facilities throughout the year. An estimated amount of training time required has been allocated for Youth and Senior teams should facility availability allow, enabling the code to operate without limitations.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Times	Court Size
Junior (Y1-8)	1,100	110	10	45	N/A	1
Youth (Y9-13)	540	54	10	50	90	1
Senior	520	52	10	90	90	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

**TSB Stadium Available Hours of Use – 3 Indoor Courts**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start	3:15 PM	3:15 PM	3:15 PM	2:00 PM			
Finish	10:00 PM	10:30 PM	10:30 PM	3:00 PM			
	6.75	7.25	7.25	1			

**Francis Douglas Memorial College Available Hours of Use – 1 Indoor Court + 1 hour of training**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start			3:30 PM		3:30 PM		
Finish			9:00 PM		9:00 PM		
			5.5		5.5		

**New Plymouth Boys' High School Available Hours of Use – 1 Indoor Court + 1 hour of training**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start					3:30 PM		
Finish					9:00 PM		
					5.5		

**New Plymouth Girls High School Available Hours of Use – 1 Indoor Court + 1 hour of training**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start					3:30 PM		
Finish					9:00 PM		
					5.5		

**Sacred Heart Girls' College Available Hours of Use – 1 Indoor Court + 1 hour of training**

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start					3:30 PM		
Finish					9:00 PM		
					5.5		

**Utilisation**

	Number of Training Court Hours Required p/w (2 teams per court)	Number of Competition Court Hours Required p/w	
Junior		41	
Youth	41	23	
Senior	39	39	
	80	103	183
Number of court hours available p/w	98	Utilisation p/w	187%



## Multi-Criteria Analysis Needs Assessment

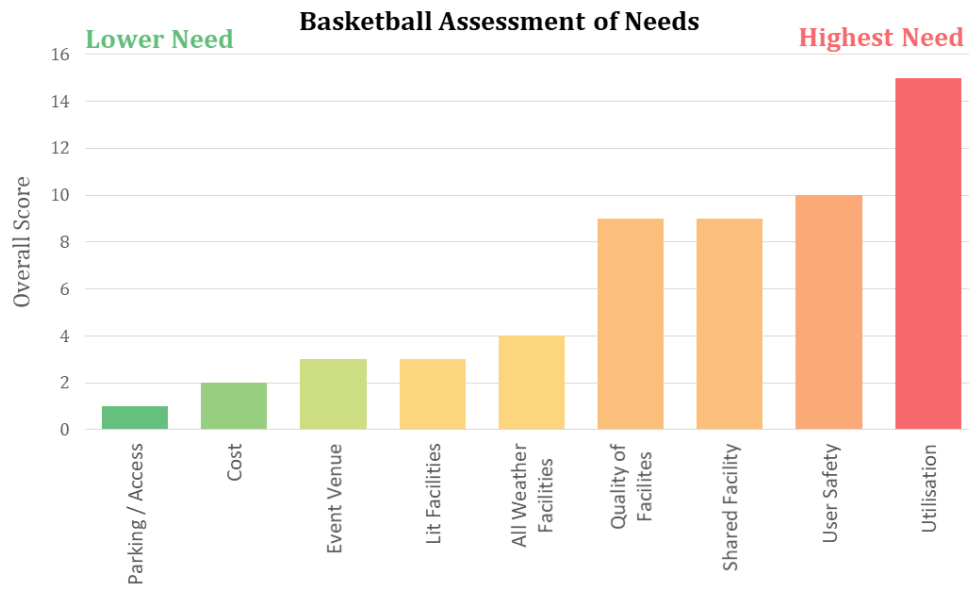


Figure 15 - Basketball assessment of facility needs

## Hockey



### Participation

In 2019, 1196 individuals were registered to play hockey in New Plymouth; of these 758 were juniors (63% Year 1 – 8), 311 were youth (26% Year 9 – 13), and 127 were seniors (11% adult). Hockey participation has increased across Taranaki since 2015 from 1,386 to 1,809 (31%). Taranaki Hockey has 68 junior teams, 28 youth teams, and 12 senior teams registered in New Plymouth. These rates exclude summer league participants, representative players, and non-affiliated/casual players (i.e. inter-school competitions).

### Facilities

Taranaki Hockey utilises 1 full-size turf in New Plymouth at the Boys’ High School for trainings and winter competition across all age-groups and 3 school tennis courts at the Girls’ High School for the beginner junior programme (estimated equivalent of 0.1 full-size turf as per the Full-Time Equivalent of 54 useable hours per turf estimate provided by Global Leisure Group<sup>7</sup>) due to suitability. Noting that the Boys’ High turf is only available for community sport 35 hours per week due to a user agreement with the school. Some school teams also use school tennis courts for training. The main turf is lit to a standard suitable for winter training and competition.

Although Stratford is a smaller town and has fewer participants, due to the investment in fit-for-purpose facilities Taranaki Hockey acknowledges that Stratford is the regional hub for hockey for professional fixtures and the like. Based on informed estimates relative to participation numbers and ages of participants the rate of turf utilisation for training and competition is 188%. Due to the participation exclusions above and utilisation by events and tournaments it is assumed that this utilisation rate is estimated low.

### Challenges

As hockey is a winter sport (April to September) a limited number of lit facilities for training is a challenge. The main outdoor venue at New Plymouth Boys’ High School is at capacity and has no facilities for spectators, changing, socialising, first aid, and administration as well as limited availability for training. Already games and trainings are running early in the morning or late at night and some teams opt to not train at all. On occasion two New Plymouth teams will end up playing in Stratford due to capacity.

The main outdoor venue is not located at the same location as the beginner programme creating a separation between levels of competition and no ability to showcase the participation pathway. To host a significant regional or national youth tournament 2 turfs within New Plymouth city would be necessary.

While junior teams utilise a quarter or half field for their competition, when the large proportion of junior participants (63%) become Year 7 36 participants per field will need to collapse into 22 as they move to a full-sized turf. Retaining current juniors into the next tier of competition and growing participation in the largest urban catchment is not currently possible due to facility limitations.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Time	Turf Size
Junior (Y1-8)	758	68	10	30	60	Y1 – 6 = 1/3 - 1/2 turf Y7/8 = full-size turf
Youth (Y9-13)	311	28	14	85	90	1
Senior	127	12	16	100	90	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

<sup>7</sup> Taranaki Hockey Federation Regional Facility Plan by Global Leisure Group, 2016

NPBHS Turf Available Hours – 0.7 full-sized turf (available 35 hours per week out of the recommended full time equivalent turf 54 hours)

NPGHS Tennis Courts Available Hours – 0.1 full-sized turf (only suitable for training or junior use)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start						9:00 AM	
Finish						12:00 PM	
						3	
<b>Utilisation</b>	<b>Number of Training Turf Hours Required p/w (2 teams per turf)</b>		<b>Number of Competition Turf Hours Required p/w</b>		<b>Total Hours Required p/w</b>		
Junior	Y1 – 6 = 9 Y7/8 = 9		Y1 – 6 = 4 Y7/8 = 4				
Youth	21		20				
Senior	9		10				
	48		38		86		

Number of Field Hours Available p/w 38      Utilisation p/w 226%

Alternatively the Hockey NZ National Facility Strategy<sup>8</sup> recommends an estimated ratio that one Full Time Equivalent Turf per 800 players is required (relative to the proportion of junior players).

Number of players 1,196      Divided by 800      Full Time Equivalent Turfs required 1.5

### Utilisation

Number of turf available (NPBHS 0.7FTE) 0.8      Utilisation p/w 188%

### Multi-Criteria Analysis Needs Assessment

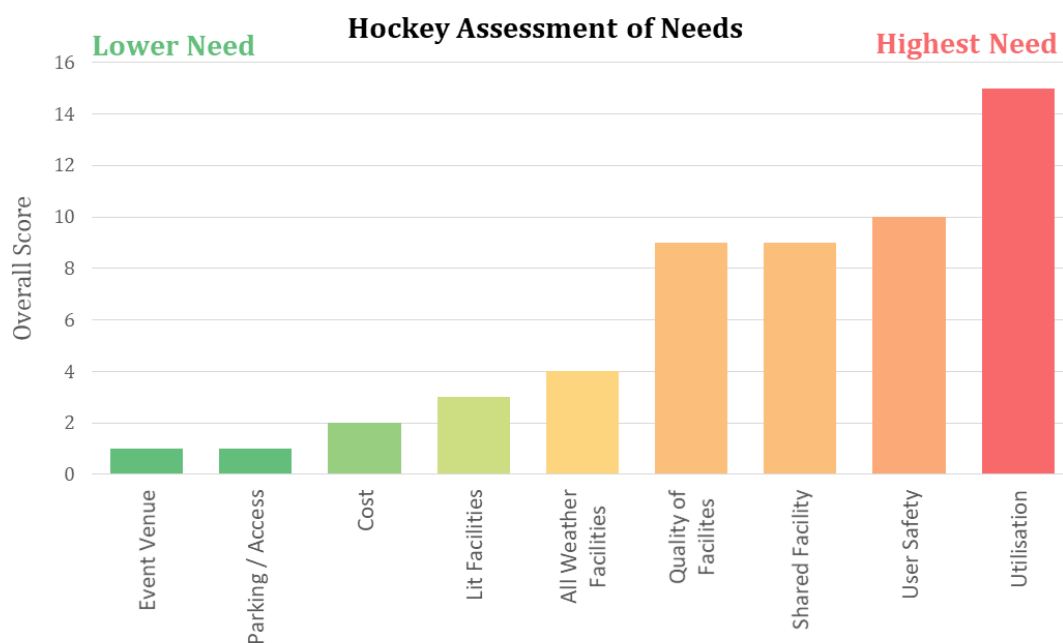


Figure 16 - Hockey assessment of facility needs

<sup>8</sup> <https://sportnz.org.nz/assets/Uploads/Hockey-NZ-National-Facility-Strategy.pdf> (Page 10)

## Code-by-Code Participation and Facility Utilisation: Summer Codes

Facilities Utilised in New Plymouth for Regional Affiliated Competition Delivery (2019):

Fields	Number of Full-Size Facilities	Owner	Code(s)
Devon Intermediate	6 touch fields (including St Joseph's & West End primary schools)/1 cricket oval	Devon Intermediate	Touch Rugby/Cricket
Hickford Park	4 touch fields/3 cricket ovals	NPDC	Touch Rugby/Cricket
Corbett Park	4 touch fields/1 cricket oval	NPDC	Cricket
Lynmouth Park	1	NPDC	Cricket
Western Park	1	NPDC	Cricket
Sutherland Park	3	NPDC	Cricket
Bell Block Primary	0.5	Bell Block Primary	Cricket
Central School	0.5	Central School	Cricket
Coastal Taranaki School	1	Coastal Taranaki School	Cricket
Francis Douglas Memorial College	4 (including 1 grass wicket)	Francis Douglas Memorial College	Cricket
Fitzroy Primary	0.5	Fitzroy Primary	Cricket
Frankley Primary	0.5	Frankley Primary	Cricket
Highlands Intermediate	0.5	Highlands Intermediate	Cricket
Inglewood High School	2	Inglewood High School	Cricket
Inglewood Primary	0.5	Inglewood Primary	Cricket
Mangorei Primary	0.5	Mangorei Primary	Cricket
Marfell Primary	0.5	Marfell Primary	Cricket
Merrilands Primary	0.5	Merrilands Primary	Cricket
New Plymouth Boys' High School	2 (including 1 grass wicket)	New Plymouth Boys' High School	Cricket
New Plymouth Girls' High School	1	New Plymouth Girls' High School	Cricket
Oakura Primary	0.5	Oakura Primary	Cricket
Omata Primary	0.5	Omata Primary	Cricket
Sacred Heart Girls' College	1	Sacred Heart Girls' College	Cricket
Spotswood College	1	Spotswood College	Cricket
St John Bosco	0.5	St John Bosco	Cricket
St Joseph's New Plymouth	1 (senior & junior)	St Joseph's New Plymouth	Cricket
Vogeltown Primary	0.5	Vogeltown Primary	Cricket
Waitara High School	1	Waitara High School	Cricket
Welbourn School	0.5	Welbourn School	Cricket
West End Primary	0.5	West End Primary	Cricket
Westtown School	0.5	Westtown School	Cricket
Woodleigh School	0.5	Woodleigh School	Cricket
Mangorei Cricket Club	1	NPDC	Cricket
Karo Park	2 (including 1 grass wicket)	NPDC	Cricket
Lynmouth Park	1 (grass wicket)	NPDC	Cricket
Manukorihi Park	2 (grass wickets)	NPDC	Cricket
Peringa Park	1.5 (including 1 grass wicket)	NPDC	Cricket
Pukekura Park	1 (grass wicket)	NPDC	Cricket
Racecourse Oval	3	NPDC	Cricket
Sanders Park	1	NPDC	Cricket
Sutherland Park	2 (including 1 grass wicket)	NPDC	Cricket
Te Mete Park	1	NPDC	Cricket
Vogeltown Park	2	NPDC	Cricket
Western Park	1 (grass wicket)	NPDC	Cricket

Figure 17 – Summer codes facilities

## Touch



### Participation

In 2019, 1920 individuals were registered to play touch in New Plymouth; of these 1400 were juniors (73% Year 1 – 8), 300 were youth (16% Year 9 – 13), and 220 were seniors (12% adult). Numbers of individuals have been estimated based on average numbers per teams. Touch participation has increased in New Plymouth from 1,100 in 2015 (75%). Taranaki Touch Association has 140 junior teams, 30 youth teams, and 22 senior teams registered in an affiliated New Plymouth competition. These rates exclude non-affiliated/casual (i.e. inter-school competitions), Waitara and Lepperton modules, and training and events for representative players. Other non-affiliated competitions exist at Sanders Park and Jubilee Park.

### Facilities

Taranaki Touch Association utilises 14 full-sized pitches (one full-sized touch field is the equivalent of half a rugby field) in New Plymouth for the summer (October to March) competition across all age-groups. School teams utilise school fields for training while most senior players are in social teams that do not train.

Hickford Park and Devon Intermediate modules host all competition age-groups, while the Corbett Park module is new and only provides a junior competition at this stage. Based on informed estimates relative to participation numbers and ages of participants the rate of field utilisation for competition is 56%. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low.

### Challenges

Field availability dictates the current competition format (including field size, game times etc). The number of teams in each competition is restricted dependent on the number of fields available. Markings, cost of venue hire, and availability of a sound system are also current facility challenges for touch rugby. In order to host regional or national tournaments touch would require a multi-field venue. Currently the number of junior and youth teams at the Devon Intermediate module need to be capped due to the number of fields available.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Time	Field Size
Junior (Y1-8)	1,400	140	10	35		½
Youth (Y9-13)	300	30	8	35		1
Senior	220	22	10	35		1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes	Yes

### Hickford Park Reasonable Hours of Availability – 4 full-sized fields

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start			3:30 PM				
Finish			8:00 PM				

4.5

### Devon Intermediate Reasonable Hours of Availability – 6 full-sized fields

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start	3:30 PM						
Finish	8:00 PM						

4.5

### Corbett Park Reasonable Hours of Availability – 4 full-sized fields

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start	3:30 PM						
Finish	8:00 PM						

4.5

### Utilisation

	Number of Training Field Hours Required p/w	Number of Competition Field Hours Required p/w
Junior	0	20
Youth	0	9
Senior	0	6
	0	35

Number of field hours available p/w 63      Utilisation p/w 56%

### Multi-Criteria Analysis Needs Assessment

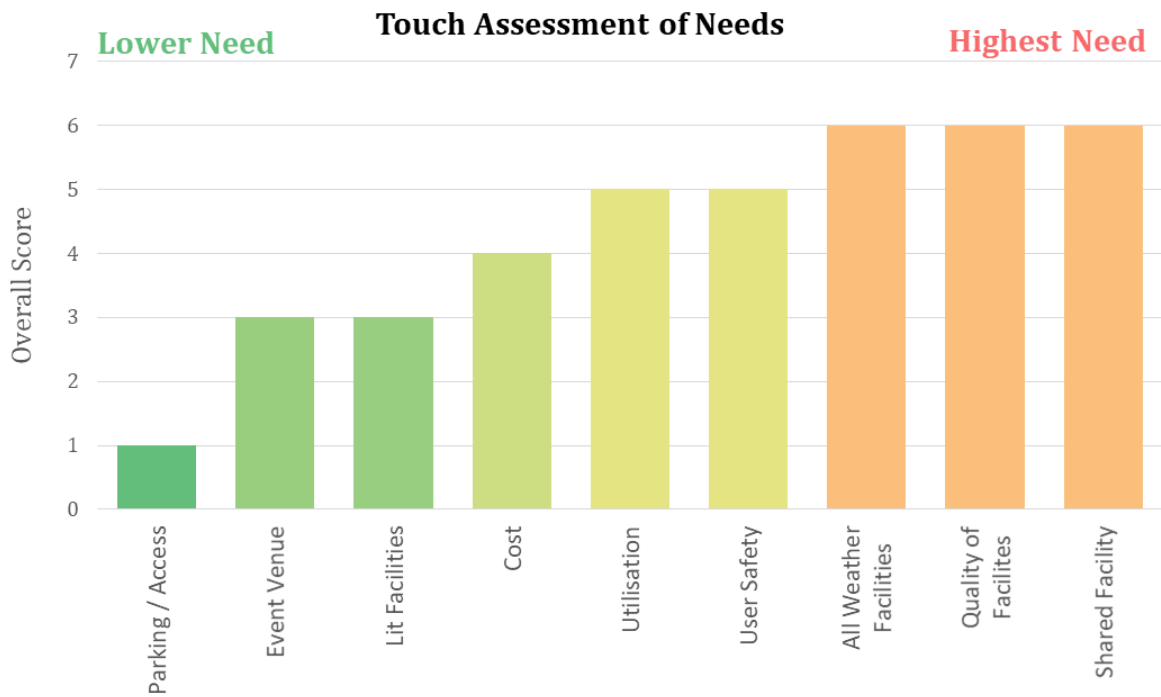


Figure 18 - Touch assessment of facility needs

## Cricket



### Participation

In 2019, 1574 individuals were registered to play cricket in New Plymouth; of these 500 were juniors (32% Year 1 – 8), 589 were youth (37% Year 9 – 13), and 485 were seniors (31% adult). Across Taranaki 7% of players identify as being Maori and 13% are female. Cricket participation has been maintained at similar levels in New Plymouth since 2015, with 1,620 individuals. Taranaki Cricket has 50 junior teams, 44 youth teams, and 21 senior teams registered in New Plymouth. These rates exclude non-affiliated/casual players (i.e. indoor and inter-school competitions).

### Facilities

Taranaki Cricket utilises the equivalent of 51 full-sized ovals in New Plymouth (including club/public and school fields), there is one indoor training facility at the Boys' High School. Based on informed estimates relative to participation numbers and ages of participants the rate of field utilisation for training and competition is 16%. Of the 51 pitches in the district, 10 are grass wickets and the rest are artificial. To host significant representative tournaments here there is a preference for multiple grass wickets in one location (as seen in Nelson and Napier). Grass wickets are more labour intensive to maintain and it is undertaken by the Club or School.

### Challenges

As junior cricket has grown due to a modified junior format the entry-level competition has moved from Saturdays to Friday nights to accommodate all teams. This is possible due to cricket being a summer (October to March) sport and increased daylight hours. New Plymouth cannot host age-group cricket tournaments due to a lack of multi-pitch venues. New Plymouth is also unable to host premier night fixtures as there is no fit-for-purpose facility.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Times	Average Oval Size
Junior (Y1-8)	500	50	10	130	60	½
Youth (Y9-13)	589	44	14	310	120	1
Senior	485	21	16	310	240	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Yes	Yes	Yes	No	No	No	No	No	No	Yes	Yes	Yes

### Reasonable Hours of Use Ovals – 10 grass wickets / 41 artificial wickets

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours of Use Start	3:30 PM	3:30 PM	3:30 PM	3:30 PM	3:30 PM	9:00 AM	9:00 AM
Hours of Use Finish	7:00 PM	7:00 PM	7:00 PM	7:00 PM	7:00 PM	6:00 PM	6:00 PM
	3.5	3.5	3.5	3.5	3.5	9	9

### Utilisation

	Number of Training Oval Hours Required p/w (2 teams per oval)	Number of Competition Oval Hours Required p/w	
Junior	13 (half oval)	27	
Youth	44	114	
Senior	42	54	
	99	195	294
Number of oval hours available p/w	1,811	Utilisation p/w	16%

## Multi-Criteria Analysis Needs Assessment

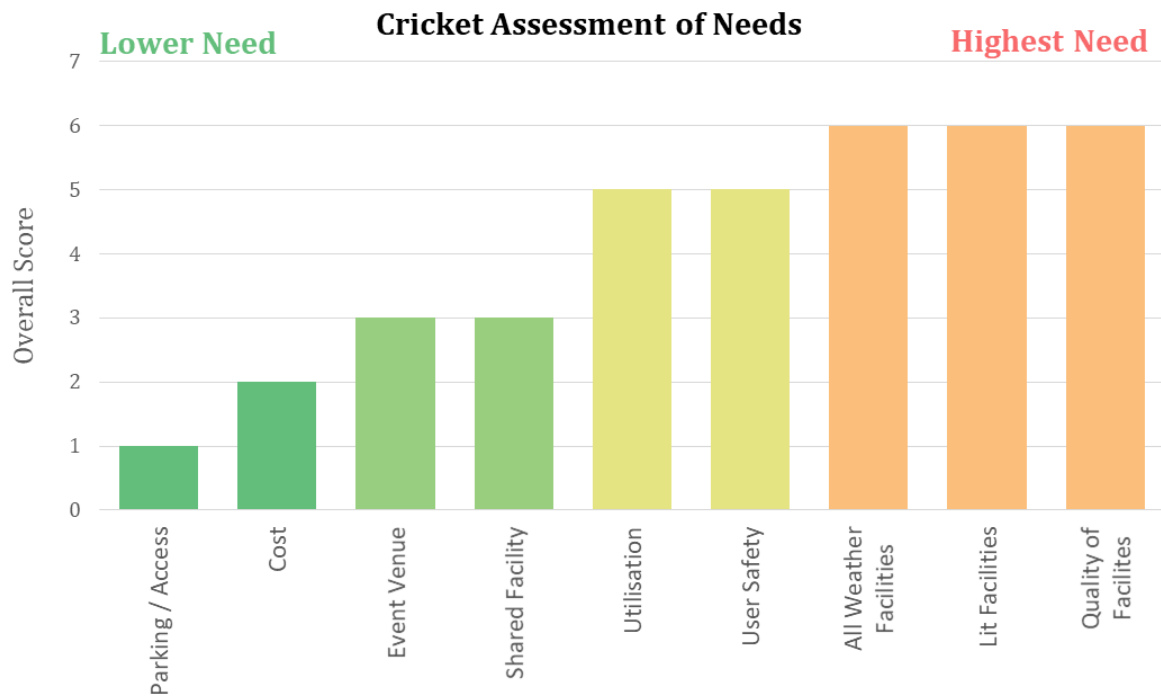


Figure 19 - Cricket assessment of facility needs



## Code-by-Code Participation and Facility Utilisation: Year-Round Codes

Facilities Utilised In New Plymouth for Regional Affiliated Competition/Programme Delivery:

Indoor Courts	Number of Full-Size Facilities	Owner	Code(s)
TSB Stadium	6	NPDC	Volleyball
Star Gym	4	Spotswood Rugby & Sports Club	Badminton
<b>Gymnasium</b>			
Gymnastica Strandon (sprung floor)	0.6	Private	Gymnastics
New Plymouth Girls' High School Gymnasium (wooden floor)	0.7	NPGHS	Gymnastics

*Figure 20 – Year round code facilities*

## Badminton



### Participation

In 2019, 59 individuals were registered to play representative badminton in New Plymouth; of these 3 are juniors (7% Year 1 – 8), 22 are youth (37% Year 9 – 13), and 34 are seniors (57% adult); plus an estimated further 100 casual club players that play year-round. Representative participation has decreased in New Plymouth from 75 players in 2015 (20%). An increasing number (approximately 400) junior and youth players participate in Badminton via the after-school secondary programme at schools and the junior Shuttletime programme in New Plymouth; they are excluded from these rates along with those that participate in non-affiliated competitions (i.e. YMCA).

### Facilities

Taranaki Badminton utilises all 4 courts (equivalent to one basketball court) at Star Gym to run their representative competition from March to October. Star Gym along with Clubs in Waitara, Inglewood, and Bell Block also offer casual club play year-round. Most school teams utilise school courts for training. Based on informed estimates relative to participation numbers and ages of participants the rate of court utilisation for training and competition is 88%. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low.

### Challenges

There are a limited number of fit-for-purpose courts for badminton in New Plymouth, proper lighting and colored backdrops are essential for play. Bookings at the Star Gym, including tournaments, are scheduled around the Taranaki Rugby Football Union bookings, the booking system is manual, competitions often have to be rescheduled to accommodate other bookings, and training and competition often run late into the night due to venue availability. As there is no fit-for-purpose multi-court (minimum of 8 courts) venue in New Plymouth large-scale youth, senior, and New Zealand Badminton sanctioned tournaments cannot be hosted here. The regular competition format is adapted to accommodate the number of participants and court availability.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Time	Court Size
Junior (Y1-8)	4	2	2	70	180	1
Youth (Y9-13)	22	11	2	70	180	1
Senior	34	17	2	100	180	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No

### Star Gym Reasonable Hours of Use – 4 full-size courts (representative & Star Gym Club only)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start	6:00 PM	6:00 PM	5:30 PM	11 AM and 5:30 PM			
Finish	9:30 PM	9:30 PM	9:30 PM	3:00 PM and 9:30pm			
	3	3	4	8			

### Utilisation

	Number of Training Court Hours Required (2 teams per court)	Number of Competition Court Hours Required
Junior	3	1
Youth	17	6
Senior	26	14
	46	21

67

Number of Court Hours Available

72

Utilisation

93%

### Multi-Criteria Analysis Needs Assessment

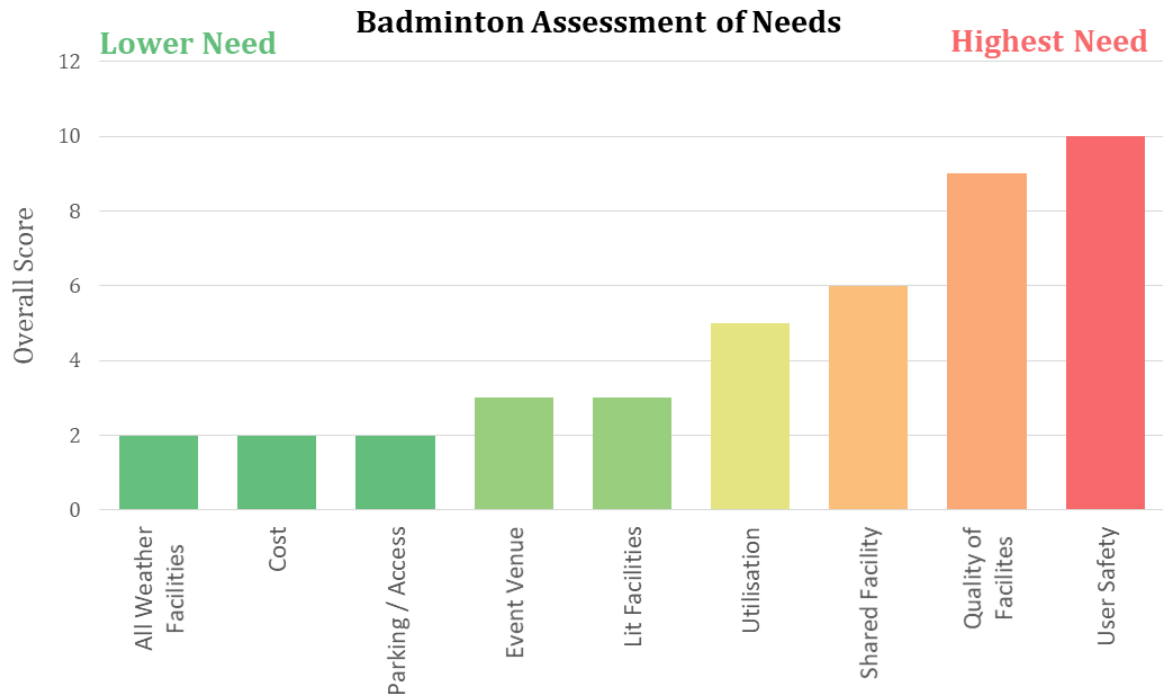


Figure 21 - Badminton assessment of facility needs

## Volleyball



### Participation

In 2019, 320 individuals were registered to play volleyball in New Plymouth; of these 40 were youth (13% Year 9 – 13) and 280 were seniors (88% adult). Volleyball participation has increased in New Plymouth since 2015 from 216 (48%). Volleyball Taranaki has 5 youth teams and 35 senior teams registered in New Plymouth. These rates exclude non-affiliated/casual, beach volleyball, representative, and 130 secondary school tournament players. The number of individuals has been calculated based on an average of 8 players per team.

### Facilities

Taranaki Volleyball utilises 6 courts (2 per basketball court with space in between for substitutes, officials, spectators can have 3 per basketball court for training purposes) at TSB Stadium to run the spring and autumn competition. Most school teams utilise school courts for training, while many senior teams generally do not train either as they participate socially or there is no suitable venue available. Based on informed estimates relative to participation numbers and ages of participants the rate of court utilisation for competition is 233%. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low. A preferred amount of time for training as been allowed for in the analysis for senior teams.

### Challenges

The largest regional club, Spotswood, lost its headquarters at the Spotswood College Stadium in 2014 and has suffered from a declining membership since. This Stadium is due to be re-built by 2020 which will provide 3 indoor courts for school and club training and inter-school fixtures. The local volleyball season and competition is dictated by venue availability. Currently the secondary school competition has been reduced to two 3 week tournaments in Terms 4 and 1 due to venue availability. Growing a junior competition is not currently possible due to venue limitations. New Plymouth is unable to host secondary school tournaments due to a lack of a fit-for-purpose multi-court venue. Other challenges include a lack of suitable and available training venues; the current competition is limited to a Sunday night and can often run late or occasionally is rescheduled due to other bookings.

### Details

	Individuals	Teams	Average Players per Team	Average Game Length (minutes including change-over)	Average Training Times	Court Size
Youth (Y9-13)	40	5	8	130	0	1
Senior	280	35	8	150	120	1

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No	No	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes

### TSB Stadium Available Hours of Use – 6 full-sized courts

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Start							3:30 PM
Finish							9:30 PM

6

### Utilisation

	Number of Training Court Hours Required p/w (2 teams per court)	Number of Competition Court Hours Required p/w
Youth		5
Senior	35	44
	35	49

84

Number of Court Hours Available p/w

36

Utilisation p/w

233%

## Multi-Criteria Analysis Needs Assessment

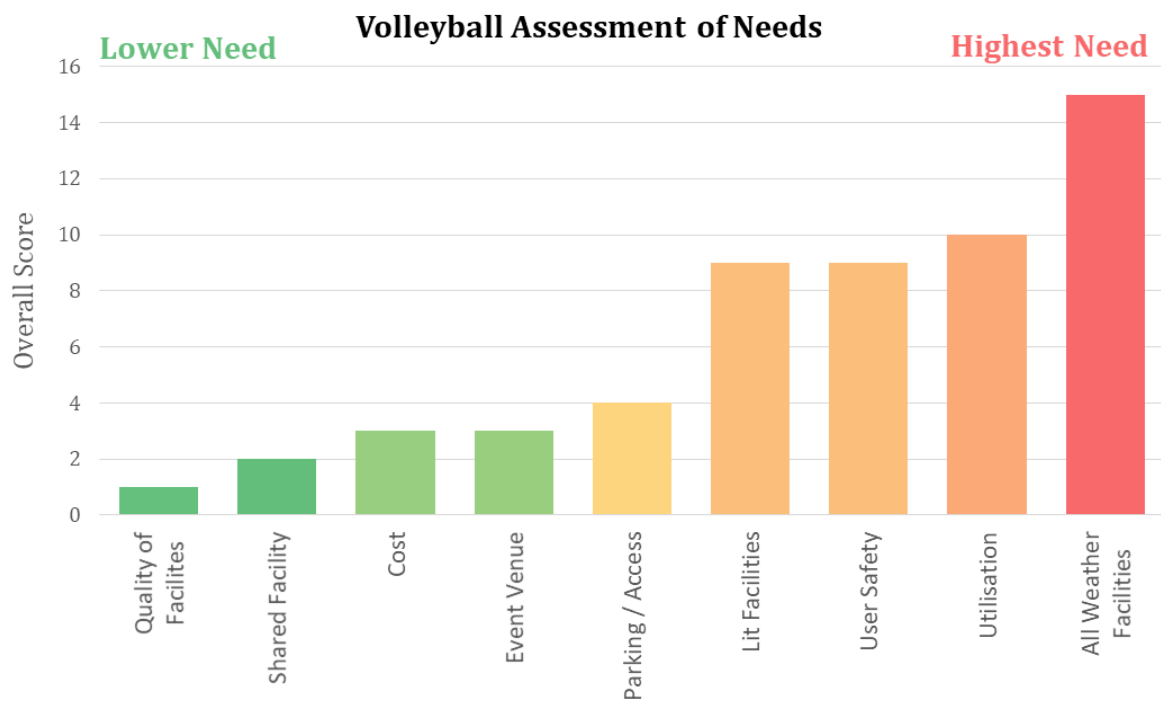


Figure 22 – Volleyball assessment of facility needs

## Gymnastics



### Participation

In 2019, 296 individuals were registered with Gymnastica Gym Club in New Plymouth; of these 266 were juniors (90% preschool age & Years 1 – 8) and 30 were youth (10% Years 9 – 13). Club membership has increased in New Plymouth from 203 in 2015 (46%).

Gymnastica run 36 junior and 3 youth programmes weekly during the school terms. These rates exclude other users of their facilities (i.e. cheerleading and martial arts), school group users, and non-affiliated/casual participants (i.e. inter-school competition participants).

### Facilities

Gymnastica utilises 2 gymnastics specific facilities, a commercial premise in Strandon and a gymnasium at New Plymouth Girls' High School to operate throughout the week year round. Neither gymnasiums are considered to be the recommended full size of 2.5m<sup>2</sup> per participant with NPGHS deemed around 1.8m<sup>2</sup> per participant and Strandon around 1.4m<sup>2</sup> as outlined in the National GymSports Facility Strategy (2017).

Based on informed estimates relative to participation numbers (excluding other existing users who benefit from similar facilities), ages of participants, and programming schedules the rate of facility utilisation is 37%. Due to the participation exclusions above it is assumed that this utilisation rate is estimated low, however unlike other traditional codes gymnastics facilities are mostly used all day, year round on weekdays (i.e. a greater total hours of utilisation per week).

The 2017 Strategy also recommends that New Plymouth city is the location of a Sub-Regional Gymnastics Facility with a focus on training and local events.

### Challenges

While acknowledging that Waitara GymSports is the Regional Hub for gymnastics (particularly at a competitive level) due to facility limitations Gymnastica is unable to host the Primary and Intermediate GymSports Festival, TSSSA events, or the Taranaki Aerobics Championships.

The facility challenges at both venues include parking, health and safety, commercial lease costs, and lease limitations. The disciplines available to participants are constrained by the facility size and programming is determined by space available. This limits the potential to grow participation and to share facilities with other user groups.

### Details

	Individuals	Programmes	Average Individuals per Programme	Average Programme Length (minutes including change- over)	Gymnasium Size
Junior (Y1-Y8)	266	36	18	70	½
Youth (Y9-Y13)	30	3	18	100	½

### Season

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

### NPGHS Reasonable Hours of Use - 0.7 Gymnasium (1.8m<sup>2</sup> per participant)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours of Use Start	4:00 PM	4:00 PM	4:00 PM	4:00 PM	4:00 PM	9:00 AM	9:00 AM
Hours of Use Finish	8:00 PM	8:00 PM	8:00 PM	8:00 PM	8:00 PM	4:00 PM	4:00 PM
	4	4	4	4	4	7	7

### Strandon Headquarters Reasonable Hours of Use - 0.6 Gymnasium (1.4m<sup>2</sup> per participant)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours of Use Start	9:00 AM	9:00 AM	9:00 AM	9:00 AM	9:00 AM	9:00 AM	9:00 AM
Hours of Use Finish	8:00 PM	8:00 PM	8:00 PM	8:00 PM	8:00 PM	4:00 PM	4:00 PM
	11	11	11	11	11	7	7

## Utilisation

Programme Hours Required	
Junior	21
Youth	3
<b>Total</b>	<b>24</b>

**Number of Gymnasium Hours Available** (based on 0.6 and 0.7)

65
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**Utilisation**

37%
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This utilisation includes available hours during the day at Strandon when actual hours of use are much more limited due to majority of users can utilise after school hours and during the weekend.

## Multi-Criteria Analysis Needs Assessment

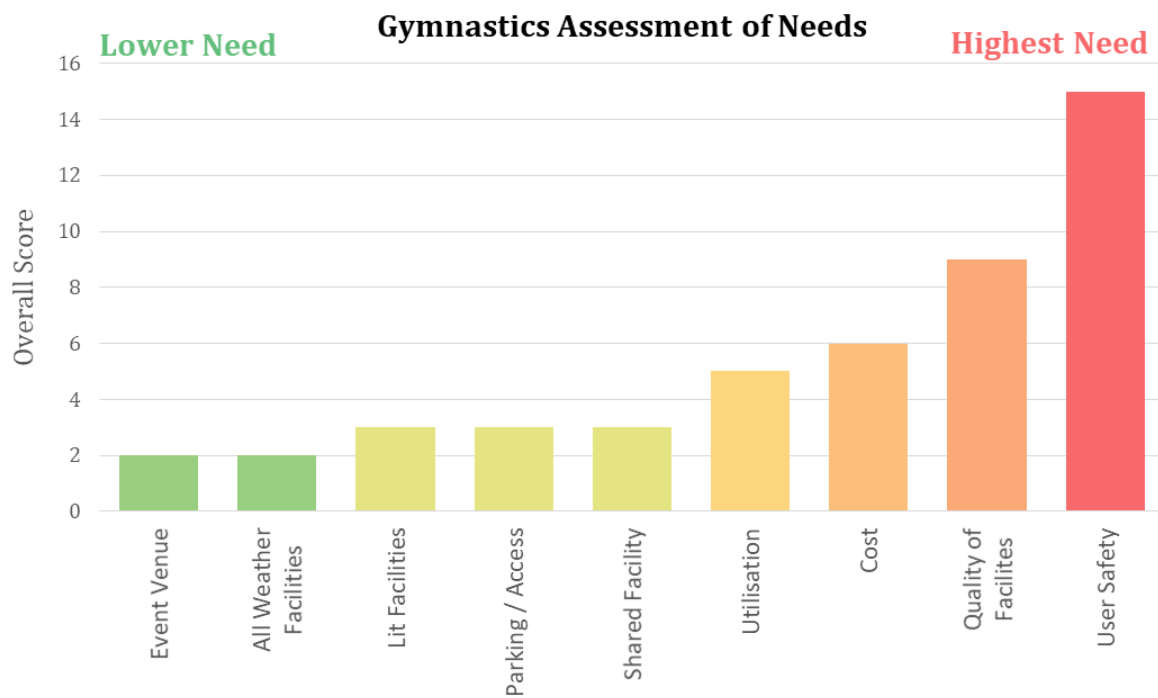


Figure 23 - Gymnastics assessment of facility needs

## Appendix 2 – Utilisation Workings

If not other stated how the utilisation is calculated the following formula has been used:

$$\begin{aligned} & \text{Junior Game Hours (Number of teams X Length of game (+10min*) X Field/Court/Turf/Gymnasium} \\ & \text{size required) +} \\ & \text{Junior Training Hours (Number of teams X Training time X Field/Court/Turf/Gymnasium size} \\ & \text{required)} \\ & \quad + \\ & \text{Youth Game Hours (Number of teams X Length of game (+10min*) X Field/Court/Turf/Gymnasium} \\ & \text{size required) +} \\ & \text{Youth Training Hours (Number of teams X Training time X Field/Court/Turf/Gymnasium size} \\ & \text{required)} \\ & \quad + \\ & \text{Senior Game Hours (Number of teams X Length of game (+10min*) X Field/Court/Turf/Gymnasium} \\ & \text{size required) +} \\ & \text{Senior Training Hours (Number of teams X Training time X Field/Court/Turf size required)} \\ & \hline & \text{Number fields/courts/turf/gymnasium available X Reasonable hours of use} \end{aligned}$$

*An additional 10 minutes has been included between programmes/games to allow for change-over, training hours only included as applicable*



## Appendix 3 – Criteria Definitions

Score	1 – Good	2 - Average	3 - Unacceptable
Utilisation	<i>Available to run code effectively</i>	<i>Able to run code but some limitations</i>	<i>Have to modify code due to limited facility access/no ability to grow code</i>
Event Venue	<i>Suitable venue available to host code events/tournaments</i>	<i>Able to host code event/tournaments with some limitations</i>	<i>No or very limited ability to host code event/tournament</i>
All Weather Facilities	<i>Training and competition venues that can be used in all-weather</i>	<i>Training and competition venues that can be used in all-weather with some limitations</i>	<i>Training and competition venues that are unavailable in poor weather</i>
Lit Facilities	<i>Sufficient training and competition venues that can be used after dark/summer codes not requiring lights</i>	<i>Some training and competition venues that can be used after dark</i>	<i>Limited/no training and competition venues that can be used after dark</i>
Facility Quality	<i>Facilities that are flexible, fit-for-purpose, and enhance the participant experience (including club rooms, changing areas, toilets/showers, storage etc.)</i>	<i>Facilities that are satisfactory</i>	<i>Facilities that are aged, not fit-for-purpose, inflexible, or do not meet minimum code standards</i>
User Safety	<i>Facilities are safe for users</i>	<i>Facilities have some minor concerns for users</i>	<i>Facilities have some significant concerns for users</i>
Cost	<i>Facilities are perceived as reasonable for codes</i>	<i>Facilities are perceived as satisfactory for codes</i>	<i>Facilities are perceived as expensive for codes</i>
Parking/ Access	<i>Facilities are easily accessed by users</i>	<i>Facility access is satisfactory</i>	<i>Facility access is problematic</i>
Shared Facility	<i>Code can/could comfortably share their facility with other user groups</i>	<i>Code currently sharing facility with other user groups with some limitations</i>	<i>Sharing facility with other user groups has negatively impacted code/no capacity to share</i>

Figure 24 – Multi-criteria analysis definitions