

12: Swimming Pools



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12 Swimming Pools

12.1 Service Description

The service area, Swimming Pools, includes the network of swimming pools provided across the district that are managed by Council. The following pools are covered by this plan:

District Pools

Selwyn Aquatic Centre

Sub-district Pools

Darfield Swimming Pool

Southbridge Swimming Pool

Community Pools

Leeston Learners Pool

Sheffield Swimming Pool

The service does not include the small pools that are managed as part of community centres (Halkett Community Centre Pool, Killinchy Hall Pool). These facilities are covered under the Community Centres and Halls sections of the Community Facilities Activity Management Plan. Two pools that were included in the network service in the 2015 LTP have since been closed to public use and as such are excluded from this plan. The Courtenay Pool was closed by Council in 2016 due to its poor condition and the risk to public health and safety. The facility is planned to be demolished. The Prebbleton Pool was closed by the land owners, the Ministry of Education, as the space was required for school expansion.

In providing this service Council undertakes planning, management, maintenance, operation and development activities with the objective of providing a network of swimming pool facilities that meet community expectations and provide a safe and healthy environment for users.

For the District pools, the facilities are managed and operated directly by Council employees. The district pools currently consist of the Selwyn Aquatic Centre. This is a multi-purpose indoor facility operating all year.

For the Community and Sub-district pools, the day to day management and operation of pools has, in the past, been undertaken via voluntary community committees with responsibilities delegated from Council. However as a result of issues related to water quality and swimmer supervision identified through compliance auditing there is now more direct operational and management input from Council staff. The committee at Darfield Pool is no longer involved in pool management and operation with these services now provided via staff directly appointed by Council. Similarly staff are provided to support operation of Southbridge and Sheffield Pools in terms of supervision and technical expertise. This has enabled these facilities to continue to open to the community during the swim season. Staff also provide technical support to the other community pools to ensure they are operated to an acceptable standard.

The community and sub-district pools are all uncovered facilities and operate during the summer period providing leisure opportunities, fitness training and learn to swim programmes. They are considered to be important community facilities that contribute to enhancing the health and wellbeing of district residents.

12.1.1 Rationale for Council's Involvement

The provision of swimming pools by Council is, to some extent, discretionary and current involvement has primarily been as a result of historical provision as well as transfer of facilities that were previously part of the local school infrastructure. However, the Council has now taken a more proactive role, with the development of the Selwyn Aquatic Centre.

The Council is required to promote community wellbeing, and, direct involvement in the provision of swimming pools contributes to improving the physical health and safety of district residents. The Council has adopted strategies and policies aimed at creating a healthy living environment for the District's population (e.g. Physical Activity Strategy). The provision of swimming pool facilities is viewed as a key element in attaining this goal.

The Council has adopted the role of primary service provider as, although there are swimming pools provided by other agencies (e.g. schools, Burnham Military Camp), these do not fulfil the wider recreation, leisure and learn to swim needs of communities. Schools have found it increasingly more difficult to maintain and operate pools and have been progressively relinquishing this service. Classroom and facility demand due to population growth has also seen space previously occupied by swimming pools sacrificed and pools closed. Reliance on Council provided services subsequently results. It is, therefore, important that Council is active in ensuring there are sufficient pools available to meet leisure needs and provide opportunities for children to learn how to swim.

As the District's population grows and changes, the Council will need to plan for future swimming pool facilities required to achieve strategic goals and meet community aspirations.

Swimming pools serve a number of functions that contribute to the social, cultural, economic and environmental wellbeing of the community. These include the following:

- Provide opportunities for recreation to improve physical fitness and wellbeing
- Provide a focal point for local communities where they can meet and participate in leisure and recreation activities
- Provide venues for people to learn how to swim, water safety and other life skills
- Provide safe venues for fun activities and social interaction
- Provide opportunities for family or group activities
- Provide additional areas of open space for communities
- Provide affordable access to swimming activities
- Enhance the image of the district as an attractive place to live that is well served with community facilities
- Provide a venue for aquatic sports and competitive activity

In addition to the above, publicly provided swimming facilities provide a very strong element of public equity, which is an integral part of creating a sustainable society. This is demonstrated by public swimming pools providing a recreation and leisure opportunity that is available to all ages, gender, ability and socio-economic position.

12.1.2 Strategic Direction

The Council has historically provided a network of community pools to service district communities. Some of these facilities have been transferred to Council ownership from schools. As the district has grown and the urban population expanded in some townships the level of provision has not kept pace. As a result, an Aquatic Facilities Plan (2008) was prepared and a district indoor facility constructed at Rolleston (Selwyn Aquatic Centre). A review of this Plan was completed in 2017 to provide guidance on key priorities for aquatic provision in the future.

Strategic direction for the provision of swimming pools from 2017 can be summarised as follows:

1. **Selwyn Aquatic Centre:** An indoor year-round facility at Rolleston to meet district swimming, learn to swim and aquatic recreation needs. This pool has a high level of use and the learn to swim programme is over-subscribed. Expansion of the facility and the services provided at the facility is required to meet community expectations and population growth.
2. **Provision by Other Agencies:** There is no intention to provide extensive water leisure facilities as these are provided in the larger pools in Christchurch City, with a new complex planned for Hornby, and the Selwyn Aquatic Centre will compliment provision by other surrounding authorities.
3. **Lincoln Aquatic Facility:** Council may still consider an indoor aquatic facility for Lincoln as a joint venture with Lincoln University at some time in the future subject to funding availability and there being sufficient demand to ensure it can operate economically.

4. **Community Pools Support and Sub-district Pools Management:** There is a need to continue to provide support for the community pools and particularly the sub-district (Darfield and Southbridge) pools to ensure they continue to provide a valuable service to their catchment areas. Paid lifeguards and further capital investment is required to achieve this.
5. **Community Pool Management:** The community pools are operated by local volunteer management committees and as indicated in the 2015 Long Term Plan, the requirements to meet standards and legislation have become increasingly onerous. As a result paid staff have been appointed to provide extra technical support, and operate Southbridge, Darfield, and Sheffield, Pools. Local community support is required to be boosted to ensure any ongoing Community Pool facility operation.
6. **School Pools Support:** Council has resolved to provide assistance for school pools by way of an annual operating grant where those pools are available to the local community and meet safe operating criteria. It is intended that provision continue to be included in the 2018 -2028 LTP.
7. **Pool Use Control:** The current practice of allowing unsupervised use of some pools needs to be reviewed and modified to ensure a safe environment is being provided for all users and Council is not acting in an unlawful manner or placing itself at risk. Health and Safety issues including levels of supervision, pool rules and access control have been addressed and continue to be monitored.

12.2 Levels of Service

This section defines the levels of service (LOS) for Swimming Pools that are required to meet customer expectations. It also sets out the performance targets identified for each LOS to enable achievement to be measured.

12.2.1 Customers and Stakeholders

Customers and stakeholders with an interest in swimming pools include the following:

- Selwyn District residents and ratepayers
- Public users of swimming pool facilities
- Swimming Pool management committees
- Swimming and water sports clubs
- Schools
- Private providers of 'Learn to Swim' pools
- Neighbouring local authorities (CCC, ADC, WDC)
- Township Advisory Committees
- Local businesses
- Contractors and suppliers
- Community groups e.g. Parenting Network
- Food and Health Standards NZ Ltd
- Water Safety Council
- Audit NZ
- Local Iwi/Ngai Tahu
- New Zealand Recreation Association
- Sport Canterbury
- Council's Insurers

12.2.2 Contribution to Community Outcomes

The following table sets out the community outcomes that are relevant to swimming pools and describes how the service contributes to outcomes.

Community Outcome	How Swimming Pools Contribute
A Healthy Community Selwyn people have access to appropriate health, social and community services	Residents have places for recreation and leisure activities to benefit physical and mental wellbeing. Opportunities for Selwyn residents to enjoy healthy, active lifestyles including provision of recreational open space and community facilities
A prosperous community Selwyn has a strong economy which fits within and complements the environmental, social and cultural environment of the district	Pools provide a destination that draws visitors to the area and supports local business
Selwyn is a safe place in which to live, work and play We are safe at home and in the community	Pools provide learn to swim opportunities which help ensure people are safe when in water

Table 12-1: Swimming Pools Contribution to Community Outcomes

12.2.3 Service Drivers

The key service drivers for swimming pools primarily relate to meeting customer expectations and compliance with statutory requirements. Objectives specific to this service include the following:

- Provide pool facilities of sufficient quality and range of activities to meet user expectations
- Ensure swimming pools are available for use for as long as possible in consideration of seasonal variations
- Ensure the swimming pool network provides access for people of all ages and abilities
- Pool facilities support programmes for all ages including 'learn to swim'

- Ensure the management, operation, maintenance and development of swimming pools meets community expectations
- Ensure the operation and maintenance of swimming pools complies with all legal requirements, New Zealand Standards, Selwyn District Council Policies and Bylaws
- Ensure swimming pool facilities provide a safe and healthy environment for users
- Access to pool facilities is affordable for communities
- Provide for the sustainable management and operation of swimming pool assets
- Ensure the environment is protected and that any adverse impacts on the environment resulting from the operation and maintenance of swimming pools is minimised
- Respond to customer issues in a timely and efficient manner
- Ensure the communities' investment in swimming pool assets is protected.

Legislation, Standards and Policies

Specific legislation, standards and planning documents that apply to swimming pools are described in the tables below. This also explains the implications for levels of service.

Legislation/Standard	LOS Implications
NZS 5826: 2010 Pool water quality	This standard covers the essential aspects of the operation and maintenance of pools in regard to pool water quality criteria including reference to methods of water treatment. Safe handling of swimming pool chemicals is also covered.
NZS 4441:2008 Swimming pool design standard	This standard covers only the essentials of design and construction of swimming pool and the provision of water treatment facilities. The standard applies to public, institutional, and private swimming pools.
NZS 9201.16:1972 Model general bylaws: public swimming pools	Contains provisions in the form of model bylaws for adoption with or without amendment by territorial local authorities.
NZRA Poolsafe Accreditation	The Selwyn Aquatic Centre maintains this accreditation, ensuring good Health and Safety, water quality, pool supervision and risk management practises are adhered to at all times. All other facilities in the network need a range of improvements made to enable accreditation.
ASINZS 1838:1994 Swimming pools pre-moulded fibre reinforced plastics design and fabrication	Sets out requirements for pre-moulded plastic swimming pools exceeding 7500 L in volume and 750mm in depth.
ASINZS 1839:1994 Swimming pools pre-moulded fibre reinforced plastics installation	Sets out the procedures for the installation of pre-moulded fibre reinforced plastic swimming pools.
NZS 8690: 2003 Water safety signage	This standard provides a consistent basis for the development and use of water safety signage within New Zealand that aims to reduce the risk of drowning and injuries.
NZS 4121:2001 Design for access and mobility: Buildings and associated facilities	Gives requirements for making buildings and facilities accessible to and useable by people with physical disabilities. Provides a means of compliance with the New Zealand Building Code.
NZS 8500:2006 Safety barriers and fences around swimming pools, spas and hot tubs	Options for the location of effective safety barriers that will restrict the access of young children to swimming pools are provided, and requirements for the design, construction and performance of fences, gates, retaining walls and door sets intended to form a barrier to restrict access of young children to swimming pools are specified
Building Act 2004	The Building Act and the Building Code provide or the regulation of building work and setting of performance standards for buildings.
Fencing of Swimming Pools Act 1987	The Act outlines the requirements for fencing of certain pools under the Building Act 2004.
The Health and Safety at Work Act 2015	Key areas of the Act include the duties of employers in relation to: hazard management; Training and supervision; Recording and notification of accidents and serious harm; and duties to people who are not employees.

Table 12-2: Swimming Pools Legislation & Standards

Plan/Policies	LOS Implications
Selwyn District Council Physical Activity Strategy 2007	Promotion of an active and healthy community through provision/co-ordination of physical infrastructure such as pools
Selwyn District Council Community Development Strategy 2006	Encouraging healthy lifestyles
Selwyn District Council District Plan (RMA)	Community Facilities - Strategy, Policies, Objectives and Rules Transportation (car park) provision rules
Natural Resources Regional Plan (ECan)	Rules on discharge of pool water
Selwyn District Council Aquatic Facilities Plan 2017	Recommendations on future provision of pool facilities to meet district needs Recommendations for improvements to existing pools
Report on Health and Safety Compliance at Selwyn Aquatic Facilities 2016	Audit of pool operational and management standards against "Pool Safe" criteria Recommendations on measures to improve management and operating practices
Selwyn District Community Pools Compliance and Condition Report 2017	Compliance and condition assessment report and recommendations for future required improvements.

Table 12-3: Swimming Pools Plans & Policies

12.2.4 Customer Expectations and Consultation

In general terms Council's knowledge of customer expectations is based on:

- Public enquiries and complaints received via Service Request System
- Perception of satisfaction derived from the annual residents survey
- Intercept user surveys at the Selwyn Aquatic Centre
- Feedback from elected members, general public, community boards and township committees
- Consultation via LTP/Annual Plan processes
- Feedback from Swimming Pool Management Committees
- Information received from consultation on the reviewed (2017) Aquatic Facilities Plan
- Focus group feedback as part of reviewing levels of service for this plan in 2017.

Focus Group Workshop (2017)

In order to more accurately determine expectations, a focus group exercise for community committee members was undertaken in April 2017. Feedback from the group informed on current levels of service; areas of deficiency; whether current expenditure was considered high, about right or too low; and improvement suggestions. Feedback was collated on "H Forms" (refer annex 12A) and the service was scored out of 10 (10 being the highest level of satisfaction). Overall, this activity scored 6.7, indicating a slightly positive level of satisfaction with current service.

A summary of opinion from the focus group was:

- The Aquatic Centre is excellent, but doesn't remove need for local pools and Council needs to support these;
- Rate funding rationale is not understood and is not accepted by many in other centres or rural areas;
- Some community pools need repairs/upgrade
- Most supported the current level of spending.

Aquatic Facilities Plan Review Consultation (2017)

The objective of the 2008 Aquatic Facilities Plan was to review the provision of swimming pools across the district from a strategic perspective and develop a forward plan to meet the then, current and future needs of the district's communities. This included existing facilities and those that may be required to meet future needs.

In preparing this plan an extensive community and stakeholder consultation exercise was carried out. This was aimed at obtaining an understanding of community aspirations for swimming pool facilities in the district.

Direction from this plan was subsequently applied to the development of the 2012 and 2015 Long Term Plans which saw, as key outcomes, the construction of the Selwyn Aquatic Centre in 2013, and investment

in the upgrade of pools at Sheffield and Southbridge in 2016. The revolution of New Zealand's health and safety legislation through 2015 and 2016 also brought about a refocus by Council in the areas of resourcing, asset maintenance and operation, and, demand management.

A scheduled review of the original Aquatic Facilities Plan was carried out over 2016 and 2017. The purpose of the review was to capture current issues and reset the plan's course as required. The method used for the review was to analyse the level of supply in the community, consider the capability and capacity of the network to meet community needs, benchmark against national best practice, and identify the key issues based on the research and consultation processes.

A range of consultation methods were used to reach out to:

- The general community. A community questionnaire was used seeking information on current use, adequacy of current facilities, composition of future facilities and location (on-line and hardcopy). In total over 500 responses were received.
- All 25 schools in the district. The focus was on current uses and future requirements. 12 replies were received.
- Facility user groups. Fifteen groups participated.
- Meetings with elected representatives.
- Asset owner and pool operators. Eight surveys were completed.
- Other stakeholders including Swimming School operators and Christchurch City Council.

A summary of findings from this exercise are set out below:

- The Selwyn Aquatic Centre (SAC) is the only year round indoor heated aquatic facility. Feedback shows there are good levels of satisfaction with the facility however there is a perception that the venue is now too small to cater for demand. The overall network is predominantly "old and cold", doesn't meet industry standards for filtration, water temperature, and tank water turn over, which severely limits their suitability for programmes and general patronage.
- There is a shortfall of over 700m² of water space within the district when current capacity is measured against national average ratios. This shortfall will double should the supply not change over the next 20 years.
- There is a strong preference for preserving local access through the network of small local pools. Council has employed paid lifeguards for Southbridge, Darfield, and Sheffield pools to address health and safety concerns and enable these facilities to remain open.
- The heavy reliance on volunteer efforts to maintain and continue operation of the small community pools was an area of concern. Overall viability of facilities is a concern as paid staff are required to keep a venue open which presents funding challenges.
- An aquatic facility is an important leisure destination for young people that provides a safe and supervised activity and social space. Facility mix is limited at SAC, particularly during high demand and for youth activities. The inability to grow the range and availability of services, to meet changing needs and population growth, has the potential to draw negative feedback and limit meeting community needs. Community requests have been received to provide more space, a variety of pool depths and temperatures, a café, an outdoor pool and leisure area, and additional health facilities such as a gym, sauna, spa, and steam.
- The lack of an effective public transport link between Rolleston and Lincoln was seen as essential if a single additional aquatic facility was developed in either location. A service along similar lines to the linkages to Christchurch City from Rolleston and Lincoln is needed.
- There is a community interest in developing a community pool in Lincoln that provides for lessons, lane swimming, and children's play, and aligns with the infrastructure already provided at the Lincoln Events Centre or Lincoln University.
- The Health and Safety at Work Act (2016) has introduced implications for pool operators in respect to asset condition and risk management. There is a high degree of uncertainty as the industry seeks to

understand what this means. An audit completed by SDC in 2016 of all facilities confirmed the network was more than 50% non-compliant based on industry standards. Three sites were deemed high risk, and along with attracting low patronage and requiring significant capital investment to remedy, saw one facility (Courtenay Pool) closed permanently. The balance of all sites that are non-compliant have been prioritised to deliver improvements over time.

- Only one school responded that their pool adequately met the needs of its pupils with all others identifying inadequacies or operational issues such as poor water quality and inadequate temperature, pools being too shallow and/or small, and concern about ongoing financial sustainability and safety compliance.

Selwyn Aquatic Centre Customer Survey (2015)

This was an intercept survey undertaken in 2015 that asked a series of questions about the satisfaction levels with the pool facilities and services provided. Some key findings from the survey that have relevance for this Activity Management Plan and particularly levels of service are shown below. This indicates some level of dissatisfaction with the availability of pool space and it is believed (from more recent customer feedback) that dissatisfaction has increased. Survey respondents were also asked to comment on other facilities they would use if these were available and this supports the premise that ancillary facilities/services would enhance the experience of facility users. Survey results for key areas of interest are presented in the following graphs:

Satisfaction with Pool Availability – Selwyn Aquatic Centre

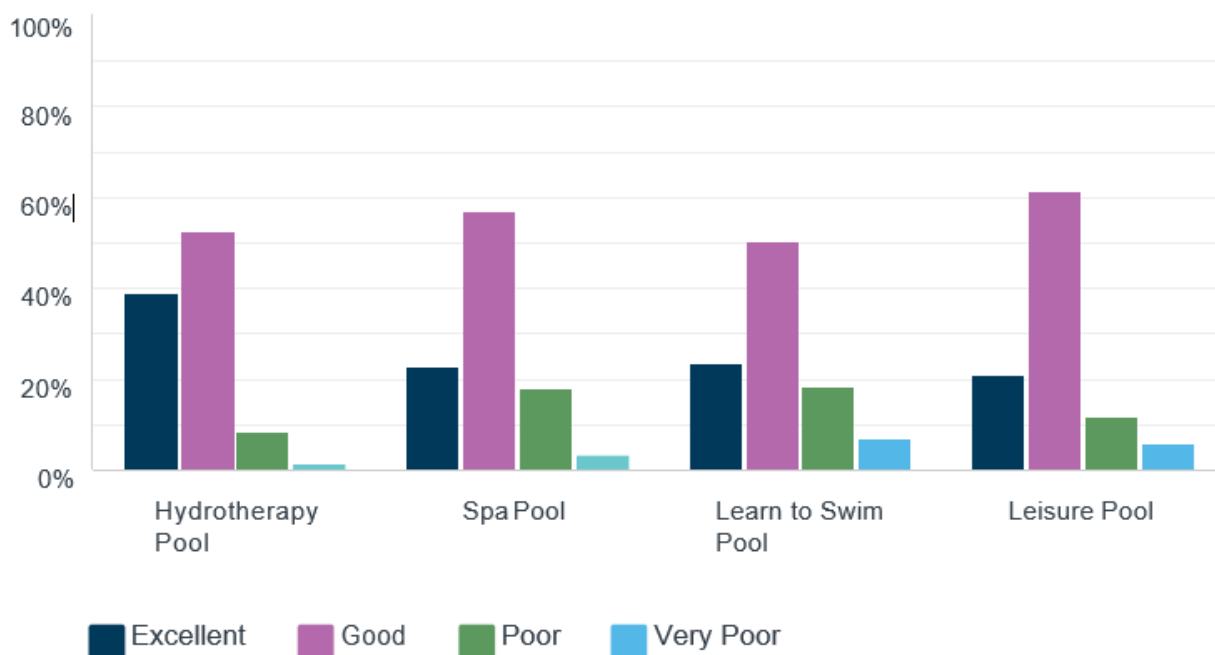


Figure 12-1: SAC Customer Satisfaction Rating – Pool Availability

Preference for Additional Facilities – Selwyn Aquatic Centre

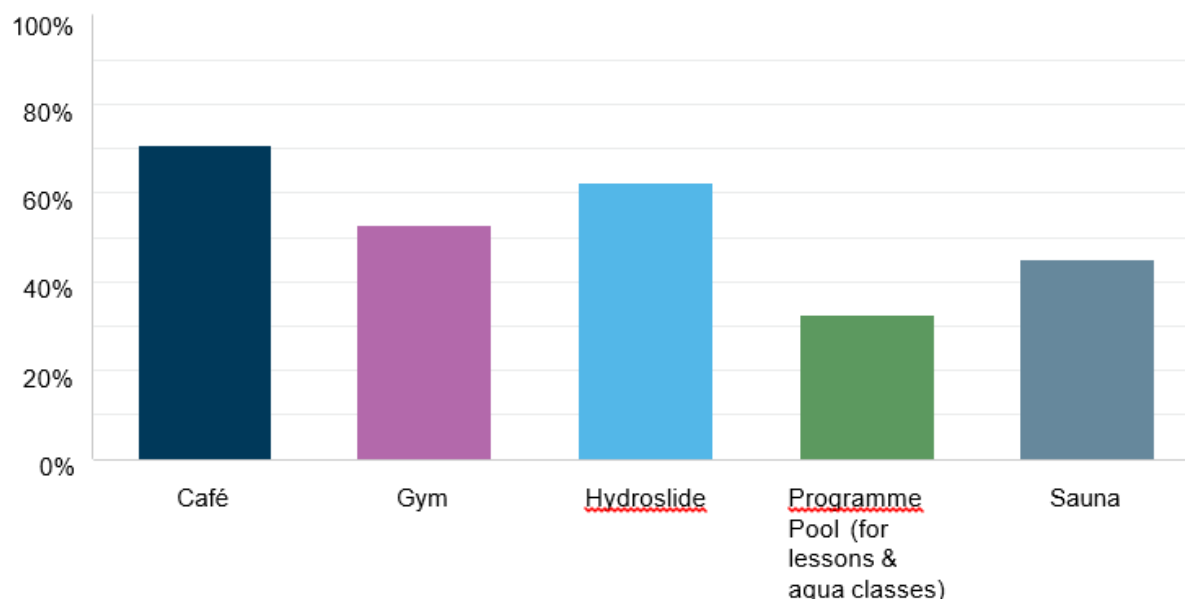


Figure 12-2: SAC Customer Preference for Additional Facilities

Consultation with Community and School Pool Operators

As part of feedback on the 2008 Aquatic Facilities Plan and subsequent consultation on the Selwyn Aquatic Facility proposal it was evident that the Council needed to ensure the community and school pools continued to receive support. To this end a series of meetings were established to discuss the needs of these facilities moving forward. This has led to a grant system being established for school pools. Grants of \$1,000 per annum are available to assist with operational costs.

12.2.5 Customer Satisfaction Ratings

The Council has undertaken an annual satisfaction survey covering a number of service areas including swimming pools. This provides a reasonable view of the level of satisfaction with swimming pools by the district community. The current rating indicates a large increase in levels of satisfaction with this service and coincides with the Selwyn Aquatic Centre being operational. A slight dip in satisfaction for 2016 may be the result of the Selwyn Aquatic Centre not being able to cope with numbers of users. Previous low scores are indicative of the type and access to swimming pool facilities previously provided by Council, prior to the Aquatic Centre opening.

The results of this survey over the period 2011 to 2016 are shown in Figure 12-3 below.

From 2018 separate satisfaction ratings are being collected for both community pools (54% satisfaction) and council managed facilities (81% satisfaction).

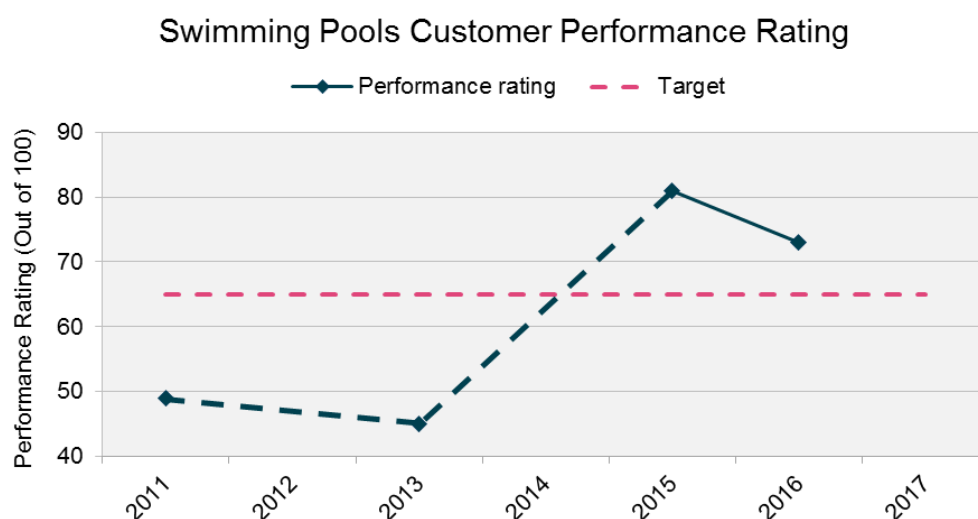


Figure 12-3: Swimming Pools Performance Rating

12.2.6 Present and Future Levels of Service

The Council has the responsibility of looking after the wellbeing of the district community and, in doing this, has identified community outcomes that it aims to achieve with the help of other agencies and organisations. Public swimming pools are needed to meet the recreation and leisure needs of the community and are an important element in creating healthy and active lifestyles for residents.

The Council currently provides a network of community pools at a sub-district and local level which are operated by local management committees. In mid-2013 the new Selwyn Aquatic Centre was opened. This facility provides year round aquatic recreational activity to service the district's communities. In providing swimming pools for the district a number of core customer values have been identified for this type of community facility which reflects key customer expectations.

These are:

- Quality
- Provision/Distribution
- Legal Compliance
- Safety and security
- Availability/Utilisation
- Accessibility
- Responsiveness
- Affordability

The Council's intention is to continue to provide facilities and services that meet local community and the wider district needs. It will, therefore, be necessary to provide, maintain, operate and improve swimming pool facilities in response to customer service demands. The table below provides a performance framework that will be utilised in measuring and monitoring on-going level of service performance.

The pools have been categorised for management and level of service purposes. Categorisation of pools is as follows:

Category	Pools
District	Selwyn Aquatic Centre
Sub-district	Darfield Pool, Southbridge Pool
Community	Leeston Learners Pool, Sheffield Pool Halkett Pool and Killinchy Pool are covered under the activity Community Centres and Halls

Table 12-4: Swimming Pools LOS & Management Categories

Community Outcomes	Objectives/ Rationale	Core Value	Current LOS	Planned LOS Yrs 1-3	Indicative LOS Yrs 4-10	Performance Measures	Current Performance	Target Performance			Indicative Performance Yrs 4-10
								Yr 1	Yr 2	Yr 3	
A prosperous community <i>Selwyn has a strong economy which fits within and complements the environmental, social and cultural environment of the district</i>	Public swimming pools contribute to Selwyn District being an attractive place to live that is well served with community facilities	Primary									
		Provision/ Distribution	A network of local and sub-district "open air" pools is provided for district communities & main population centres are served by an indoor pool facility	A network of local and sub-district "open air" pools is provided for district communities & main population centres are served by an indoor pool facility	A network of local and sub-district "open air" pools is provided for district communities & main population centres are served by an indoor pool facility	Number of local, sub-district & district public pools	4 local 2 sub-district 1 district	4 local 2 sub-district 1 district	4 local 2 sub-district 1 district	4 local 2 sub-district 1 district	4 local 2 sub-district 1 district
		Affordability	Swimming pools are affordable to the community.	Swimming pools are affordable to the community.	Swimming pools are affordable to the community.	Revenue as a proportion of Operating budget	New measure	45%	45%	45%	45%
A Healthy Community <i>Selwyn people have access to appropriate health, social and community services</i>	Residents have opportunities to enjoy healthy, active lifestyles including provision of recreational open space and community facilities	Customer									
		Quality	The standard of pool facilities reflects the grade of pool & user expectations for that grade	The standard of pool facilities reflects the grade of pool & user expectations for that grade	The standard of pool facilities reflects the grade of pool & user expectations for that grade	The proportion of residents rating the performance of swimming pools in the Residents Survey as good or very good	73% (2016)	≥70%	≥75%	≥75%	≥80%
						The % satisfaction with SAC from User Survey	New measure	90%	90	90	90
Selwyn is a safe place in which to live, work and play	Residents have affordable access to pools and to learn life skills such as swimming	Utilisation	New Measure	Participation in swimming programmes is increasing to meet the needs of the community	Participation in swimming programmes is increasing to meet the needs of the community	Learn to swim enrolments per school term	New measure	≥1500	≥1600	≥1750	≥2000
		Technical									
		Safety & Security	Improvement measures are in place to achieve standards and legal compliance	District & sub-district pools are managed to a level commensurate with "PoolSafe" standards	District & sub-district pools are managed to a level commensurate with "PoolSafe" standards	SAC, Darfield Pool and Southbridge Pool - Compliance with "PoolSafe" criteria	33% overall	33%	100%	100%	100%

Community Outcomes	Objectives/ Rationale	Core Value	Current LOS	Planned LOS Yrs 1-3	Indicative LOS Yrs 4-10	Performance Measures	Current Performance	Target Performance			Indicative Performance Yrs 4-10
								Yr 1	Yr 2	Yr 3	
		Utilisation	Open air and indoor pools are provided & are well used by the district community	Open air and indoor pools are provided & are well used by the district community	Open air and indoor pools are provided & are well used by the district community	Number of swims per capita of district population per year recorded at SAC, Darfield and Southbridge Pools	5.54	≥4.5	≥4.5	≥4.5	≥4.5
						Number visits per annum at the Selwyn Aquatic Centre	New measure	≥300,000	≥300,000	≥300,000	≥300,000

* Includes two local pools (Halkett and Killinchy) covered under other service areas.

Table 12-5: Swimming Pools Present & Future LOS

Swimming Pools Future Service Performance Standards

The following table sets out more detailed information on the intended future levels of service defined for swimming pool facilities. This is used as a general guideline for the performance standards to be provided in the future.

LOS Value	District Pool	Sub-District Pool	Local Pool
Quality	Facilities include: Heated indoor pool (25m) x 8 lanes leisure pool and toddlers pool, Learn to swim pool, hydrotherapy and spa pools, moveable leisure apparatus, high standard of changing facilities, equipment storage	Essential facilities include: Seasonal heated outdoor pool (25m), lane swimming available, learners and/or toddlers pool, outdoor seating areas, shade, good standard of changing facilities Optional: provision of moveable or fixed leisure apparatus	Essential facilities include: Seasonal outdoor pool (<25m), outdoor seating areas, shade, basic standard of changing facilities Optional: Water heating, learners and/or toddlers pool
	Water looks and feels clean and clear with no smell and the facility is safe to use. All facilities maintained in a clean and tidy condition.		
	Water temperature is warm for all pools, and is appropriate for each pool activity Internal environment is comfortably warm, light and welcoming	Water temperature is maintained to suit the majority of users and encourage use	Water temperature maintained at a useable level through pool covers and supplementary heating if available
Availability	All year round service Access is available when desired by most customers and a variety of opportunities and programmes are available	Seasonal extended service – November to March	Seasonal service – December to March
Accessibility	Fully compliant with NZS 4121:2001 Design for access and mobility: Buildings and associated facilities. Note: Local Pools are not compliant		
	Car park provision complies with District Plan requirements	Off-street car park area provided	Limited off-street car parking available
Safety & Security	Fully trained lifeguard supervision consistent with "PoolSafe" guidelines		No lifeguard supervision Supervision responsibility of users with requirements clearly set out in signage
	Swimming Pool Users Code in place & all signage complies with NZS 8690: 2003 Water safety signage		
	Water quality testing and monitoring programmes are compliant with NZS 5826:2010		
	Pool Operating Procedures, Health & Safety Plan, Pool Risk Management Plan and Pool Alone Policy documented & in place		
	Attain "PoolSafe" status through independent audit		Practices to be consistent with "PoolSafe" criteria
Responsiveness	Incident Management Procedures in place & Emergency Action Plan Attentive, responsive and customer focused approach by staff.		
	Pools chemicals are stored and handled in a safe way.		
Provision /Distribution	Population centres or catchments of 15,000	Larger population catchments that do not have close access to a district pool	Smaller communities (especially where no school pool is available)
Standards & Legal Compliance	Full compliance with all relevant standards		
	Compliance with District Plan, Fencing of Swimming Pools Act, Building Act & The Health and Safety at Work Act requirements		
Affordability	Entry fee collected at gate or season pass		Season pass and/or honesty box donation

Table 12-6: Swimming Pools Service Standards

12.2.7 Asset Performance

The service standard provided to users is determined, to a significant extent, by the quality and location of the assets employed. This section explains these aspects of asset performance. Reliability (frequency of faults) is also a performance factor, but since it is determined by the maintenance and renewal plans, reliability is only summarised in this section, and is covered in more detail in the Managing Swimming Pool Assets Section (12.4).

Historical Level of Service Performance

Specific performance related to level of service targets that have previously been measured is disclosed in the following table.

Target LOS	Performance Measures	Target 2014/15	Actual 2014/15	Target 2015/16	Actual 2015/16	Target 2016/17	Actual 2016/17
A network of local and sub-district "open air" pools is provided for district communities & larger population centres are served by an indoor pool facility	Number of local, sub-district & district public pools	8	8	9	9	9	7
The standard of pool facilities reflects the grade of pool & user expectations for that grade	The performance rating (out of 100) for public pools in the Resident Survey	≥65	81	≥65	73	≥65	Not Measured
Pools are managed to a level commensurate with "PoolSafe" standards	% of district & sub-district pools complying with "PoolSafe" criteria	33%	33%	33%	33%	66%	33%
Open air and indoor pools are provided & are well used by the district community	Number of swims per capita of district population per year	4.0	5.82	≥4.5	5.16	≥4.5	5.54

Table 12-7: Swimming Pools LOS Historical Performance

A recorded increase in customer satisfaction is largely attributable to the opening of the Selwyn Aquatic Centre which has led to an increase in customer satisfaction and overall swim numbers. Staff have been working with pool management committees to improve compliance requirements and this has been achieved with water quality testing and signage but there are still some further issues to address with incident response plans and meeting "Poolsafe" criteria.

Current performance information for the Council's swimming pool facilities has been derived from a number of sources. These are:

- Performance survey updated in 2017
- Independent audit undertaken by Match Play Projects in 2008 and the subsequent report "Audit of Selwyn District Council Swimming Pools" - 2017
- Report on "Health and Safety Compliance at Selwyn Aquatic Facilities 2016"
- Information/issues provided by Pool Management Committees and Pool Managers
- Pool condition and performance inspections for plant and equipment – 2014 and update in 2017
- Analysis of maintenance records over the last five years

Performance Survey (Swimming Pools)

A simple performance survey was prepared and completed with information from committees, pool managers and assessments. The survey was based on a Property Quality System (PQS) approach and involved a scoring system from 1 up to 7 where 5 is the target performance level. The survey has been updated for 2017 with information captured from the audit process with scoring altered to reflect changes and improvements. The survey focused on the following areas:

- Legal compliance
- Health and Safety
- Security
- Asset performance
- Facility quality
- Accessibility
- Facility functionality

A summary of the findings from this survey are depicted in the series of graphs below.

Selwyn Aquatic Centre Performance



Southbridge Pool Performance



Darfield Pool Performance



Sheffield Pool Performance



Leeston Learners Pool Performance



Figure 12-4: Swimming Pools Performance Survey Results

The results from the performance survey indicate issues in a number of areas and with certain pool facilities. Health and safety issues are evident mainly in the unsupervised pools as a result of inadequate procedures and supervision (mostly non-asset issues). Facility quality is, generally, close to expected standards.

Maintenance Records Analysis

Analysis of maintenance records for each of the pools covering the previous three years was undertaken to determine any recurring asset performance issues. A summary of this analysis setting out key issues identified is as follows:

- Repairs required to pumps, pipes, filtration and chemical dosing systems
- Repairs to heating systems
- Repairs to lighting/electrics and auto doors (SAC)
- Signage replacement
- Drainage (Sheffield, Southbridge)

Condition Reports

H₂O Systems carried out a condition and performance survey in 2014 focusing on the plant and equipment at the outdoor pools and was updated in 2017 with new information captured. Opus International Consultants were engaged in 2017 to undertake a condition survey of the Selwyn Aquatic Centre and the other community pool buildings. These surveys picked up a number of issues and particularly:

- Inadequate chemical storage facilities/practices
- Darfield Pool filters for main pool, learners pool and toddlers pool are inadequate for pool sizes and need upgrading
- Poor water circulation in the main pool at Darfield – requires new pipe work
- Backwash water at Darfield does not discharge properly and causes some flooding on the adjacent site
- Pump and circulation system for the toddlers pool at Southbridge needs upgrading
- Hydroslide ladder at Southbridge Pool is dangerous
- Filter and filter pump at Leeston Pool are inadequate and/or in poor condition and need upgrading
- Corrosion around skimmers at Leeston Pool needs attention
- Pumps, pipework and filters at Sheffield Pool are at end of economic life and need replacement
- Pool tank at Sheffield needs re-lining
- Epoxy membrane floor at SAC has a number of defects
- Corrosion noted at SAC on some metal fittings (maintenance defect)

Condition/Compliance Audit

In June 2017 a condition and compliance audit was undertaken by pool management and operational staff. The following issues were noted from this exercise:

- Pumps, filtration and chemical dosing system at Darfield Pool need attention
- Apron around pools has cracks at Darfield Pool
- Darfield Pool tank has poor coating and cracks
- Darfield Pool – seating needs upgrade
- Sheffield Pool filtration needs replacing
- Sheffield electrics need upgrade
- Sheffield Pool signage needs updating
- Southbridge Pool – toddler pool pump needs replacing
- Hydroslide access is non-compliant and needs upgrading

Health and Safety Compliance Assessment

A risk assessment approach was undertaken based on the observations made for the following elements:

- People hazards, access and security
- Health, accidents, injuries and emergencies
- Signage
- Water quality, filtration and circulation systems, plant room
- Chemicals including cleaning products
- Electrical safety

The assessment noted some serious inadequacies in the way the pools were currently operated. In general terms this related to operating procedures and were not asset related.

Addressing Performance Issues

Asset performance issues identified for community swimming pools are summarised in the following table and the Council's plan to address these issues is also indicated.

Asset Performance	SDC Response	Timing
Inadequate signage to provide information for users and compliance with standards	New signage installed in all pools to meet standards	Continuous review to meet standards & replace as required
Keeping pool tanks sealed and in serviceable condition for pool seasons	Address issues as required Review paint/sealing programmes and systems Re-line Darfield and Sheffield Pools	Darfield 2019/20 Sheffield 2021/22
Pool aprons are below standard and present a hazard to users	Undertake repairs as required via planned maintenance and renewal programmes	Darfield 2017/18 and 2018/19
Existing heating systems not working or inadequate	Pipe array for Southbridge solar system to be relocated Sheffield Pool heat pump upgrade	Southbridge 2017/18 Sheffield 2018/19
Filtration and water circulation systems are inadequate to maintain water quality	Upgrade and replace filtration and water circulation systems at Darfield, Southbridge (toddlers pool), Sheffield and Leeston Learners Pools	Darfield programmed 2019/20 Leeston programmed 2020/21 Sheffield programmed for 2017/18 Southbridge programmed for 2017/18
Backwash disposal (Darfield Pool)	Investigate and install suitable backwash discharge system at Darfield Pool	2021/22
The Hydroslide at Southbridge Pool has non-compliant access	Upgrade the access structure to appropriate standards	2017/18
Floor system at SAC has cracks appearing	Undertake maintenance repairs and programme recoat system	As part of maintenance programme with recoat planned for 2026/27

Table 12-8: Swimming Pools Asset Performance Issues

12.2.8 Level of Service Issues and Gaps

A number of levels of service issues are evident from surveys and other customer engagement initiatives. In some instances these signal that there are gaps in terms of current performance compared with customer expectations. The issues identified and Council's response to resolving issues or addressing gaps is described in the following table.

LOS Issues/Gaps	SDC Response	Timing
Maintaining water quality standards	Upgrade filtration, pumping and dosing systems to ensure turnover rates are appropriate for the pool sizes.	Programme for system upgrades for all pools from 2017/18 to 2020/21
Pools signage is not consistent with NZS 8690:2003	Upgrade all pool signage to comply with standards.	All pools have appropriate signage. Signage is regularly reviewed as required
Pool Operating Procedures, Incident Management Plans, Health & Safety Plans, Pool Alone Policies and Pool Risk Management Plans are not available or kept up to date	Standard documentation provided for use by all pool committees that covers pool operating procedures, pool rules, emergency action procedures, hazards/chemicals, pool alone policy.	All pools have been provided with appropriate documentation and audits are undertaken
Pool water temperature does not meet user requirements with SAC offering the only facility with a mix of temperatures for different uses	Continue with the programme to enhance and maintain heating systems.	Solar system installed at Darfield and Sheffield in 2016 to supplement heating Solar system at Southbridge in 2017/18 Heat pump at Sheffield Pool to be upgraded in 2017/18
Quality of pool surrounds and range of ancillary leisure facilities provided does not meet user expectations	Upgrade pool environments and include additional features as part of overall improvement programmes. Investigate provision of moveable leisure apparatus.	Leisure apparatus being provided by the SAC – inflatables used at Darfield and Southbridge
Unsupervised pools present a danger to users and a risk to Council	Supervision provided at SAC, Southbridge, Darfield and Sheffield Pools. Leeston to be self-managing with measures in place to control access and monitor users.	Extended supervision has been in place from 2016/17 season
Facilities/activities available at SAC are limited	Consider installation of a café and dry recreation area as part of planned extension. Investigate outdoor water play area.	Café and dry recreation area (gym) planned as part of extension in 2018/19 Undertake investigation of outdoor water play area and consider for year 11 of programme

Table 12-9: Swimming Pools LOS Issues/Gaps

12.2.9 Changes in Levels of Service

The Council has, historically, provided a network of outdoor community swimming pools. The public swimming pools in the district have been operating through the local volunteer committee structure for many years with limited resources.

The approach has been to operate these pools for the benefit of communities and undertake improvements where these could be managed and afforded. In addition, a number of pools have been transferred to Council through school closure or where they can no longer be operated by schools and Council has inherited the service standards applicable to this type of facility.

Feedback from the community had indicated that there was a need to improve some aspects of the levels of service for swimming pools in the District. These are generally identified in Table 12-9 above. There is also a need to adjust levels of service to meet technical requirements resulting from changes in legislation and standards.

In 2013 the Council provided a multi-purpose district indoor aquatic facility to meet year round aquatic leisure and recreation needs – The Selwyn Aquatic Centre located in Rolleston. This was a major change to the previous level of service provided to the district community in regard to this activity. However the facility was initially focused on provision of swimming and water based activities and as the district has grown there is a desire from the community to provide a greater range of activities to complement the aquatic use.

Council is, therefore, proposing provision of a café and dry recreation space as part of a planned extension to SAC (the extension is required in response to capacity deficiencies).

Provision of a facility to service Lincoln has also been raised through consultation processes. At this point Council is not contemplating provision of an aquatic facility in Lincoln but is considering a possible partnership with a private 'learn to swim' provider for a facility in this locality.

The existing facility at Darfield is aging and nearing the end of its economic life. Council is proposing to invest in upgrading the plant and pool tank to extend the life of this pool but is also planning to undertake a review of provision needs to service this town and surrounding areas in the future. This could result in a service level change particularly if an indoor/covered facility was proposed.

12.3 Growth and Demand

This section covers the growth and demand implications for the provision swimming pool facilities in the district. This includes an assessment of the demand influences as well as impacts on future provision and an assessment of assets required to meet forecast growth.

12.3.1 Demand Influences and Impacts

The key factors influencing demand for swimming pool facilities are:

- On-going population growth in the district
- Changing demographics in the district
- Increasing urbanisation of rural townships
- Across boundary facility provision
- Provision by other agencies or organisations
- Effects of the earthquake events on aquatic facilities in greater Christchurch and the recovery programme
- National trends in leisure activities and impact on facility provision

Population Growth

Selwyn District's population is predicted to continually increase over the planning period with concentration in growth especially occurring in the areas allocated growth through the Land Use Recovery Plan (LURP). The areas of predicted high growth as forecast in the Council's growth projections are Lincoln, Rolleston, West Melton, Darfield, Leeston and Prebbleton. There are also likely to be some parts of the district that will experience flat growth or lower growth. (Refer to section 4 for further information on growth projections)

As larger population centres expand there will be increasing pressure to provide capacity at aquatic facilities to cater for community need.

Changes in Demographics

Changes in the age structure of the population are occurring, with the most important trend being the general ageing of the population, represented by an increasing number and share in the older age groups. The population aged 65 years and over is likely to grow fastest in the future. Similarly the population in the older working ages (40–64 years) is also likely to increase in the short-term. Conversely, the number of children (0–14 years) and the younger working age population (15–39 years) are expected to remain stable or decline. It is, however, likely that the populations in the higher growth areas such as Rolleston will continue to have a generally younger population than the remainder of the district.

With the predicted demographic change to a higher proportion of the district population in the older age groups it is likely that demand for swimming pool facilities will be sustained as there is a move towards older people using pools for therapeutic and fitness purposes. This signals a need to ensure the composition and design of facilities caters for this age group.

Increasing Urbanisation

The split between district residents living in rural or urban locations has changed in recent years from being predominantly rural. The current statistics show that 73% of the district population live in urban areas with only 27% residing in rural localities. The growth projections indicate that 85% of growth will occur in the urban localities. The people living in the expanding urban areas of townships have expectations of a level of service commensurate with a typical urban environment.

The desired level of service is often an improvement on what has been delivered previously. This demand for improved standards has implications for future provision, design and the quality of swimming pool facilities.

Across Boundary Facility Provision

Pioneer indoor pool and the outdoor facility at Halswell located in the southwest part of Christchurch City are the closest public pools currently available for a substantial portion of Selwyn District Residents. Christchurch City Council has identified, in its Aquatic Facility Plan, the need for an indoor aquatic facility

in the west or southwest of the city and plans to build a multi-purpose civic complex in Hornby that will incorporate an aquatic facility.

The combined facility would be up to 4,400 square metres, include a library, gym, indoor lane swimming and leisure water play areas, community meeting rooms, customer service facilities and areas for the council's community governance staff. The facility is planned to be completed in 2020.

Ashburton District Council opened an extensive indoor aquatic facility that is reasonably accessible to residents from the southern locality of the district. This facility was opened in 2015.

Provision by Other Agencies

Apart from the Council, the main provider of swimming pools in the district is the Ministry of Education via school pools. A number of these have closed in recent years or are struggling to meet operating requirements and costs. Should more pools close in the district there will be increased demand placed on Council to address gaps in provision or to take over pools that can no longer be managed by schools.

There are also new schools being established in the District to cater for population expansion (Rolleston and Lincoln). This may create demand for access to pools for "learn to swim" programmes. The Ministry of Education no longer view pool provision as a core aspect of their business.

Burnham Military Camp currently operates an outdoor pool, although public access is restricted because of security and health and safety concerns. The future management approach to this facility may impact on Council service provision.

There is only one current private pool provider (learn to swim) operating in the district. There is potential for other private operators to set up similar businesses particularly for learn to swim programmes. This is unlikely to have significant demand implications for public facilities. Council has been approached by a learn to swim provider who wishes to establish a business in the district (preferably Lincoln). Council views this as an opportunity to help meet demand for pool space in this locality and may explore the possibility of a partnership that would provide for some community access.

Lincoln University may consider the possibility of providing an indoor aquatic facility to complement the existing recreation centre activities and the sports academy programme. This may present a partnership opportunity for Council in the future.

Impact of Canterbury Earthquakes

Since the earthquakes there has been a marked increase in district population growth as Christchurch residents are forced to relocate from areas of Christchurch City. Selwyn District communities, particularly Rolleston, Lincoln, West Melton and Prebbleton were viewed as desirable options.

A plan entitled 'Places and Spaces for Sports and Recreation in Greater Christchurch' was prepared with input from Sport Canterbury, Sport NZ, Christchurch City Council, Waimakariri District Council and Selwyn District Council to guide the long term recovery of sport and recreation and assist them in making decisions on priorities. This plan is still relevant and tracks the progress of significant projects, including aquatic facilities, planned as part of the earthquake recovery programme.

Trends in Leisure Activities and Aquatic Facility Provision

The following are some key trends related to leisure activities and aquatic facilities:

- The emergence of the drive for increased physical activity to counter our increasingly sedentary lifestyles is having an impact on aquatic facilities. These facilities are now important infrastructure contributing towards health and well-being outcomes.
- Traditionally the target market for aquatic facilities has been young people (0-15 years). However, there is significant growth in demand from the older adult market for low impact physical activity options. This is requiring change in the mix of facilities and services offered by aquatic facilities.
- Declining casual use of aquatic facilities in New Zealand is apparent. However, there has been an increase in programmed use of swimming pools. This ranges from learn-to-swim and exercise programmes through to growth in aquatic sports such as underwater hockey, water polo and canoe polo in some parts of the country.
- Co-location of facilities within a precinct to create a major recreation and sport destination is more commonplace. Some aquatic facilities have been located adjacent to major retail/commercial precincts.

- Creation of large complexes with several sport and recreation activity facilities (often ‘wet’ and ‘dry’) sharing a common entry, reception and ancillary facilities to provide a high level of service, economies from sharing services, and sufficient critical mass to generate sustainable levels of patronage is increasingly common.
- An increasingly common feature is the provision of ‘dry’ exercise gym facilities both in new aquatic complexes and in the retrofitting of existing aquatic facilities. This is in response to the demand for cross training opportunities within the single facility and their positive cash flow.
- Moveable floor technology is increasingly being used so that the water depth can be varied depending on the use of the pool. The movable floor can improve the efficiency because a single pool can be multipurpose.
- High-performance athletes are seeking the highest quality available of coaching, facilities and support services. The emergence of sports academies and institutes offering these high-quality options has led to the migration of high-performance athletes to these centres of excellence.
- The Open Space survey indicated a desire to have more family oriented spaces provided which could be accommodated with swimming pool facilities.
- Reducing provision by schools places increasing pressure on local government to provide pools especially for “learn to swim programmes”. It is predicted by Water Safety New Zealand that the incidence of drowning will increase with fewer people being able to swim.
- Swimming was the second highest participated sport and recreation activity among NZ adults (16+ years) with 3 out of 10 (30.2%), approximately 1 million people participating as noted in the Active New Zealand Survey (2013/14). The survey also noted that pools were the most frequently visited man-made recreation and sport venues.
- Overall, evidence indicates that nationally swimming participation in adults is declining and this is regardless of ethnicity or household income. Swimming as a participation has seen a slight increase within New Zealand schools and proportionally the sport is very popular in Canterbury.

12.3.2 Asset Capacity

There are two capacity levels that need to be considered in regard to swimming pool assets. Firstly there is the broader level of capacity relating to the overall network provision required to meet the district needs. That is, the adequacy of pool facility numbers and types to meet demands. Secondly there is site specific capacity. This refers to the capacity of the various facility assets to meet user requirements.

In order to gain an understanding of the capacity of swimming pool assets it is necessary to consider the current level of utilisation. This information can indicate where asset capacity is being exceeded or under-utilised.

Asset Utilisation

Utilisation data has been captured at a broad level for this service which provides an indication of overall use and historic trends. Without detailed data collected it is difficult to ascertain the current levels of use for individual assets to determine those that are over or under-utilised.

The following graphs show historical levels of use and usage trends for swimming pools extracted from annual Resident Survey results. This information indicates that the level of use was relatively low prior to the Aquatic Centre opening, being indicative of the type and access to swimming pool facilities previously provided by Council. The provision of a year round indoor facility, located centrally in one of the main population centres (Rolleston) has led to a substantial increase in the overall level of utilisation of public swimming pools.

Public Swimming Pool Use Trend

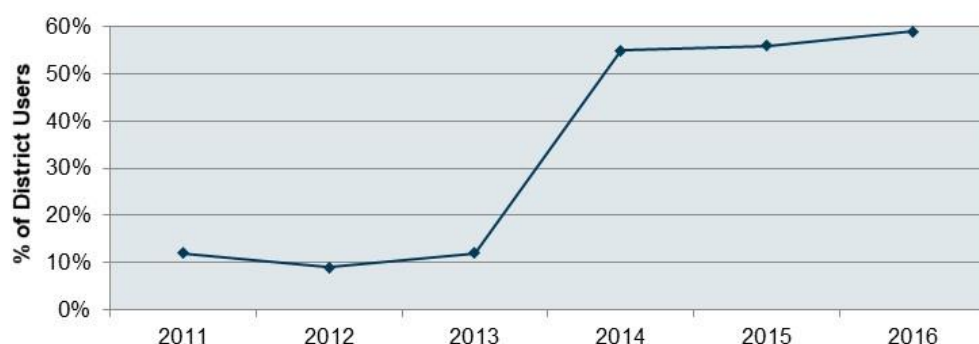


Figure 12-5: Public Swimming Pools Use Trends

There is no data available for 2017 as the pool usage question was omitted from the resident survey in that year.

Information has been captured on the numbers of people using each of the swimming pools. Where entry counts are not undertaken (unsupervised pools) this information has been extrapolated from other data sources such as fees received and numbers of family passes purchased.

Usage figures over the last five seasons are presented in the graph below. Note that the Selwyn Aquatic Centre was opened at the beginning of the 2013/14 year.

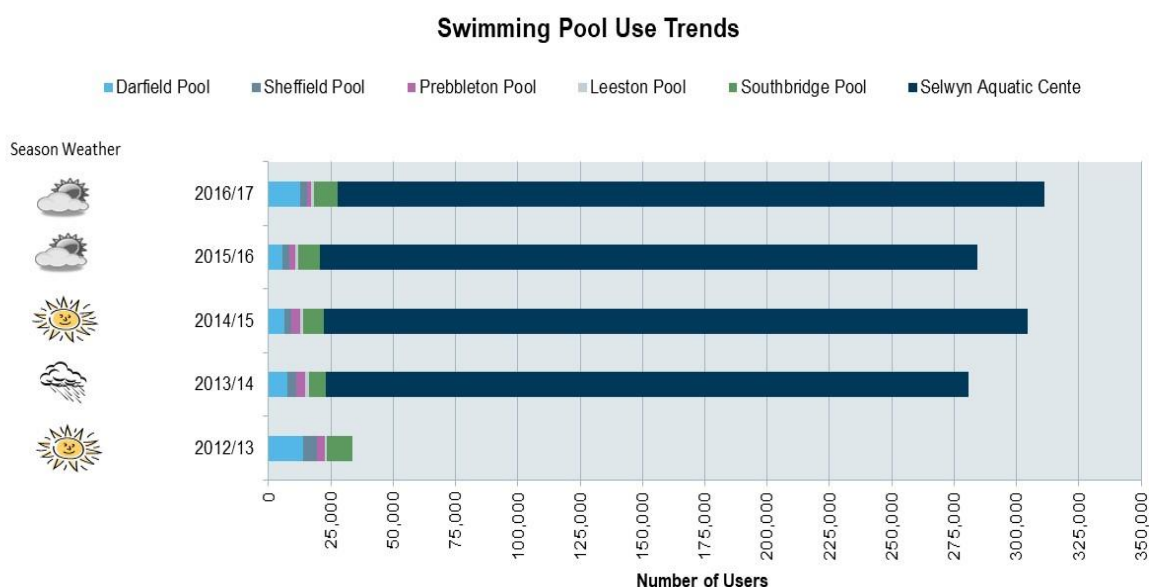


Figure 12-6: Swimming Pool Utilisation Figures

There is often a correlation between the number of users and the overall seasonal weather conditions. In some years where the weather deteriorates at the end of the season outdoor pools may close earlier than planned and usage figures will, consequently, reflect this situation. This of course does not have the same impact for indoor facilities (Aquatic Centre).

The provision of a 'District' facility has resulted in a substantial increase in the total number of people now utilising pool facilities within Selwyn. According to the annual Resident Survey (2016), pools are most used by those in the Selwyn Central area (66%), where the Aquatic Centre is located, compared with those in the Malvern area (54%).

The level of use (number of users per season) has been compared against the population catchments to determine an overall rating for usage, pool management committees have also provided an indication on usage trends (declining, static or increasing). This information is depicted in the table below:

Southbridge Pool has a “very high” usage rating as it has a relatively small population catchment but is well used by the swimming club, school and local community as well as those from the wider rural catchment. The rating for Leeston Learners Pool is “very low” as it services a higher population area, is suitable for younger children only and the pool service is supplemented by a school pool in the township that is well used by the local community. As a ‘District’ facility, the population catchment for the Selwyn Aquatic Centre encompasses the entire Selwyn Population and it currently has a “high” level of use.

Swimming Pool	Utilisation Ratio	Utilisation Rating	Usage Trend
Selwyn Aquatic Centre	5.14	High	Increasing
Darfield Pool	4.61	Moderate	Increasing
Sheffield Pool	5.95	High	Static
Leeston Learners Pool	0.47	Very low	Static
Southbridge Pool	9.99	Very High	Increasing

Table 12-10: Swimming Pool Usage Analysis

Swimming Pool Network Capacity

The opening of the Selwyn Aquatic Centre in mid-2013 has increased swimming pool provision at the district level, by providing additional swimming pool water space by approximately 1,100m² and providing for a range of specialised needs. Visitor numbers have far exceeded predictions with over 280,000 admissions in the last year. The Learn to swim programme operated at the pool is over-subscribed with over 1,200 registrations per year. This is due to the high level of young families in Rolleston and the surrounding catchment and limited other opportunities for Learn to Swim programmes in the area.

Aquatic Facilities Plan Review – Capacity Assessment

In terms of the current state of the network the plan identified the following:

- The SAC is the only indoor all year round facility. The eight other community pools that are seasonal are managed by a “mix” of operational models including Council organising seasonal staff and voluntary management committees. All SDC pools are funded from a combination of targeted rates, usage revenues and district rates.
- Council provided pool facilities are supplemented by 14 school pools that have a level of community access and a pool at Burnham Military Camp managed by the Ministry of Defence that has limited availability for wider community use.
- The eight community aquatic facilities have a combined water area totalling 2042m². The SAC provides for 44% of the total water provision for the district, which is indoor and available year-round at the SAC.
- Analysis shows that the indoor provision is 55 residents per m² of available water space compared with the recommended ratio of 35 residents per m². This indicates a significant under supply. It equates to a shortfall of over 700m² of provision to achieve parity with national average ratios (Refer Pools per head of Population National Facility Strategy for Aquatic Sports - Revised 2013).
- The SAC is the only pool in the overall network with a good economic life (assuming the asset management is proactive and consistent with good industry practice). Of the rest, many pools across the network are older than 40 years and are considered “high risk” as recognised in the National Facility Strategy for Aquatic Sports 2013.
- The SAC is the only all year round indoor pool facility in the district, it offers pools and programmes at high levels of access. Other community pools (outdoor pools) are only accessible during the summer months. Only the outdoor pools that have received recent upgrades to changing rooms would meet the compliance standards for access and inclusion. Burnham Military pool due to its security procedures is limited in providing an accessible pool for the wider community.

Issues related to capacity that were raised during the consultation process were:

- The public survey respondents expressed good levels of satisfaction with SAC. However, the need for greater capacity and the perception of this facility as no longer being adequate to meet the needs of a growing and changing community came through, particularly in the final comments of respondents. There was a clear message that the facility needs to expand as it is simply too small.
- Due to estimated projections in population growth the demand for additional or improved pool facilities will increase across the district over the next 20 years. Based on current population projections, if the current supply of available water space was not increased over the next 20 years then the district would have an under supply of approximately 1,450m² to achieve parity with national ratio averages.
- The overall network across the district is predominantly “old and cold” with the average age of pools being over 40 years of age. Other than the SAC there are no pools in the district that can meet the industry standards for filtration, water temperatures, and filtration turn-over rates for different types of pools. This makes them unsuitable for range of programmes especially for Learn to Swim or sessions for senior citizens who prefer warmer pool temperatures.
- Attendances at the majority of community pool facilities tends to be very localised and are operated by dedicated teams of local volunteers.
- The SAC struggles to meet current user demands due to its level of success and increasing population, this is unfortunately resulting in some reported negative customer experiences. User groups using the SAC reported that the facility “is not big enough” to cater for the number of users and capacity needs to be expanded.
- One quarter of respondents stated their needs were “inadequately” or “very inadequately met”. The main issues for this group were congestion related, recurrent themes were:
 - Not enough lane space before and after work.
 - Limited fun areas for older children.
 - Not enough family change space (Needs more private cubicles in public change and greater area of disability change).
 - Crowding at swimming lessons, limited options and long waits.
 - Too few aqua classes.
- Many respondents thought there should be a community pool, with children’s play area, lesson and lane swimming provision built in Lincoln. However, the issues in Lincoln are ameliorated to some extent by the close proximity of alternative indoor aquatic facility provision. The area has relatively short drive times to other parts of the District and Christchurch City including:
 - The planned development of a significant aquatic facility by Christchurch City Council at Hornby 14 minutes’ drive-time in usual traffic from Lincoln and 10 minutes’ drive time from Prebbleton.
 - The SAC at Rolleston 8 minutes’ drive-time from Lincoln and 12 minutes’ drive-time from Prebbleton.

The recommendation carrying capacity of aquatic facilities is 35 people per square metre of “indoor pool water space” for provincial centres and 60 people per urban centers. Given the population projections for Selwyn District the following table outlines the future surface water space that will be required to achieve the national average of 35 people.

Based on the assumptions and national averages in provision of water space the District currently has over a 700m² shortfall (equivalent of nearly two 25m x 15m pools). In the future this “gap in supply” increases significantly. The District will be faced with a shortfall of approximately 1450m² by 2036 (equating to four 25m x 15 m pools). Additional supply of pool space via the community pools to supplement this deficit is only available for a short period of the summer and will not meet the growing needs of residents for most of the year.

Year	Population projections	Current indoor water space at SAC (m ²)	People per square metre of pool (m ²)	Recommended water space / surface area (m ²)	Shortfall of indoor supply m ²
2016/17	56,415	899	63	1,612	713
2021/22	62,658	899	70	1,790	891
2026/27	70,115	899	78	2,003	1,104
2031/32	75,963	899	84	2,170	1,271
2036/37	81,783	899	91	2,336	1,438

Table 12-11: Population Projections and Aquatic Water Space Ratios

Table 12-12 below outlines the implications of 'Age Structuring' as population growth affects the different age-groups within the community.

Age Cohort	What's happening to it over time (2016-2040)	Implications for this study
The very young	Net migration as young families continue to move into the area.	TARGET AREA Provision for children essential for learn to swim, survival skills and aquatic play facilities
Teenagers	Bubble of very young moving through maintain higher numbers in Selwyn over time, as does net migration.	TARGET AREA Innovative provision of aquatic space for teens is a consistent need over time, challenge to orient pool environment for teens and high energy physical recreation and challenge based recreation
Early to mid 20's	Weaker numbers	Fewer provision opportunities needed
Late 20's early 30's	Weaker numbers initially	Fewer and focused elsewhere so less of a target for aquatic space
Mid 30's to late 40's	Continued growth	TARGET AREA Family oriented community space at aquatic facilities
50' to retirement	Continued growth	TARGET AREA Empty nesters likely increase in users of aquatic space for health benefits
65 plus	Growing but not as much as other areas in NZ	TARGET AREA Increasing users of warm water aquatic space, particularly for health and maintaining physical mobility

Table 12-12. Implications of Structural Aging on Aquatic Facility Provision

In summary, there is a need to consider structural aging of the Selwyn Population and to continually match facility and programming provision to the needs of age-cohorts. For the foreseeable future the young (0-15 years) and older adults (50+ years) cohorts will be primary targets for aquatic services. Adaptable space that can cater to pre-schoolers, primary age, teens and older residents will be essential.

Community Pools Capacity

Information suggests that there is generally adequate provision of local community pools to meet requirements at the sub-district and local levels especially as this service is supplemented with school pool availability. The seasonal nature of provision and the relatively low numbers of users suggest that there are no significant capacity issues in terms of meeting demand. However these pools still have a role in serving the swimming needs of the community. As the population grows and as infrastructure nears the end of life there will be a need to reassess provision levels and types of facilities.

Community Swimming Pool Facility Capacity

Capacity of the existing community pool facilities has been evaluated in terms of key assets required to support the service. This includes:

- Maximum Pool Loading (based on water volume & filtration system);
- Filtration plant (to maintain water quality);

- Changing Facilities;
- Pool surrounds space;
- Car park spaces.

Assessment of capacity for each of the above assets is set out in the table below.

Pool Facility	Maximum Pool Loading	Filtration Plant Capacity	Changing Facility	Pool Surrounds	Car Park Space
Darfield	Main Pool (380,000 litres) – 75 users Learners Pool (75,000 litres) – 28 users	Separate filter for each pool (4) – domestic type	Male/female facility plus disabled & separate staff changing facility	450 – 500m ²	30 – 40 off-street car parks & supplemented by school car park
	Loading unlikely to be exceeded	Not suitable for pool size	Adequate	Larger surrounds is desirable	120 required by District Plan
Leeston Learners	50,000 litres - 30 users	1 x sand filter – domestic type	Male/female facility plus disabled	160m ²	Nil apart from on-road
	Loading unlikely to be exceeded	Inadequate – but low level of use	Adequate	Adequate for this pool	30 required by District Plan
Sheffield	360,000 litres - 60 users	2 x old style commercial filters	Male/female facility plus disabled (new 2015)	900– 1,000m ²	Formed car park area with sealed disabled car park space
	Loading unlikely to be exceeded	Adequate (but near end of useful life)	Capacity adequate	Adequate	150 required by District Plan
Southbridge	440,000 litres - 110 users	2 x sand filters	Male/female and disabled facilities (new – 2016)	900– 1,000m ²	30 – 40 off-street car parks available
	Loading unlikely to be exceeded	Adequate (new) but no separate filter for toddlers pool	Capacity adequate	Adequate	>200 required by District Plan

Table 12-13: Community Pools Asset Capacity Assessment

Selwyn Aquatic Centre Capacity

Although this facility was opened in mid-2013, the rapid growth in the district particularly in the eastern townships has resulted in the facility being unable to cope with user numbers and demand for space and programmes. This was evident in the feedback received from consultation on the Aquatic Facilities Plan and intercept surveys of users. The following issues are noted:

- Swim School – waitlist of 100 per term, squads full, some swim school participants unable to complete programme
- Lane space/recreational space limited
- Leisure and Learn to Swim pools too small for current loading (swimmers) during weekends/evenings (water quality affected)
- Limited aquarobics/exercise space – sports groups, public classes, fitness programmes
- Swim school and facility administration areas overcrowded
- Staff room facilities now too small
- Change room space is inadequate
- Car space is too small to meet visitor numbers

The information above indicates that there are a number of current issues in regards to pool capacity being sufficient to cater for demand. This includes:

Capacity Issue	Comment
Use of “domestic” type filter systems at some pools that are unsuitable for the pool sizes	Planned upgrade of filter systems at: Southbridge Pool – toddlers, Darfield Pool, Leeston Pool, Sheffield Pool
There is limited space around Darfield Pool for other leisure/family activities	There is a long term aspiration to relocate this facility to an alternative site and this will be investigated as part of undertaking a feasibility study on the future of aquatic facilities for Darfield
Car park provision is inadequate at some sites	No action planned as a pragmatic approach is taken to the supply of car park space for community pools. Approximately 70 off-street car park spaces are provided for the Selwyn Aquatic Centre and an extension of the car park has been completed in 2017 with a further 70 spaces
Insufficient Swim space and ancillary facilities at SAC	Planned extension of Selwyn Aquatic Centre in 2018/19
Overall deficiency in aquatic space across the district to meet provision standards which is exacerbated by population growth over time.	Addressed to some extent by planned extension to SAC; supplemented by CCC provision in Hornby; Potential for some capacity deficiencies to be met from private providers (learn to swim); Longer term options for pool facilities at Darfield (replacement) and Lincoln.

Table 12-14: Swimming Pool Asset Capacity Issues

12.3.3 Forecast Swimming Pool Requirements

Community demand for Council to provide swimming pool facilities is evident from the planning work already undertaken, and will be influenced by the factors mentioned above. The critical aspects to consider in responding to growth and demand with this service type are as follows:

- Providing a hierarchy of swimming pool facilities to meet community and district needs.
- Ensuring the network provides a level of access by residents that corresponds with the location of main population centres.
- The facilities provided are responsive to the changing needs of district communities.
- The range of activities and standard of facilities available meets community expectations.
- Complementing provision by other service providers and neighbouring local authorities.
- The community's ability and willingness to pay for additional facilities.

In order to determine future capacity and provision requirements the Council has undertaken a review of the Aquatic Facilities Plan that was initially produced in 2008. Key findings from the plan review, on requirements for additional infrastructure to meet growth and demand are set out below.

Aquatic Facilities Plan Review (2017)

This plan outlines a strategic direction for pool provision and development for the district. The Supply and Demand Summary section of the plan notes the following:

- As a district Selwyn's seasonal community pools and SAC provide a total combined supply of 2,042m² of water space which equates to 24 residents per square metre. This compares very favourably with the provincial average of 35 residents per square metre.
- Comparison using the “year-round” indoor pool supply offers a differing perspective of 55 residents per square metre significantly higher than the provincial average; this indicates there is currently a significant under-supply of indoor water space.
- If in the next 20 years the projected population growth occurs as predicted and the supply of pool space is kept at current levels the outcome would be an extremely high ratio of over 93 residents per square metre of “year round” indoor facilities in the district.

Research for the Plan highlighted two key issues:

- SAC is now too small to meet current demand and requires expansion.
- There are now evident health and safety risks with the on-going operation of the community pools under the recently enacted legislation and require immediate remedial actions at most of the pools.

The Plan states that a hierarchy approach can be a useful tool in clarifying the future options regarding aquatic facilities within the District alongside pools known to serve Selwyn residents located in neighbouring local authority areas. This approach is described in the following table:

Catchment	Core features	Location
National/regional	<ul style="list-style-type: none"> • Year-round indoor heated pool • All district level activities PLUS • International aquatic sports competition and training • Diving and scuba • Major leisure pools and features • Aquatic sensory centre 	<ul style="list-style-type: none"> • Metro Sports Facility (Central Christchurch) for completion 2020 (CCC)
Sub-regional (has significant cross boundary usage)	<ul style="list-style-type: none"> • Year-round indoor heated pool • Learn to swim • Lane swimming • Therapy/rehabilitation • Relaxation spa • Aquatic sports training • Leisure/ play features 	<ul style="list-style-type: none"> • Planned aquatic centre at Hornby operational in 2020 (CCC) • Pioneer Leisure Centre (CCC) • Jellie Park Leisure Centre (CCC) • Ashburton EA (Aquatic) Centre
District (has some cross boundary usage)	<ul style="list-style-type: none"> • Year-round indoor heated pools • Learn to swim • Lane swimming • Therapy/rehabilitation • Relaxation spa • Some aquatic sports training • Limited leisure/ play apparatus 	<ul style="list-style-type: none"> • Selwyn Aquatic Centre
Sub-district	<ul style="list-style-type: none"> • Seasonal heated pool • Learn to swim • Lane swimming 	<ul style="list-style-type: none"> • Southbridge • Darfield • Halswell Aquatic Centre (CCC)
Local	<ul style="list-style-type: none"> • Seasonal unheated pool • Learn to swim • Limited leisure/ play 	Balance of existing network of pools in Selwyn including: <ul style="list-style-type: none"> • Leeston Learner's Pool • Sheffield Pool • Halkett Pool • Killinchy Pool • School pools

Table 12-15: Hierarchy of pool provision across wider network

The Aquatic Facilities Plan review has identified a number of asset related actions that are recommended in response to the current provision of swimming pool facilities in the district and the deficit in supply of pool space to meet future requirements. It also recognises the health and safety issues related to the operation of community pools. The recommended actions are recorded in the following table:

	Action required	Timeframe
1	<p>Undertake detailed development planning to expand provision at the SAC to reduce the current shortfall of approximately 700m² of indoor water space compared with national average ratios and complement planned provision in Hornby. Investment options identified include:</p> <ul style="list-style-type: none"> • A single new multi-purpose pool in a separated space to cater for learn to swim and programme space. Size approximately 25m x 15-20m (375-m2) with warmer water than existing pools • Increase number of family changing rooms • Bigger & better water play areas/ features for teens and younger children • Better swimming lessons provision • Outdoor area for water play, picnic's and BBQ's • Ancillary facilities including additional office space 	<p>Development planning in 2017-18</p> <p>Functional design and costings in 2017/18</p> <p>New build from 2018/19</p>
2	<p>Additional dry facilities to enhance the SAC offering to users comparable with similar facilities in Greater Christchurch including:</p> <ul style="list-style-type: none"> • Addition of a café • On-site physio • Addition of a Gym / Fitness Centre Space 	New build from 2018/19
3	<p>Provision for Prebbleton and Lincoln will be significantly enhanced by the nearby Hornby Aquatic Centre when completed in 2020. This will further supplement SDC provision at SAC with good travel time to these facilities.</p>	By 2020/21
4	<p>Continue to strengthen and enhance the 'core network' of district and sub-district pools comprising the SAC, Southbridge and Darfield Pools. Darfield Pool has an aging pool tank and heating system that requires upgrading. If Darfield is to become integral in the "core network" investment will be required. Undertake a feasibility study (including site and option analysis) to improve aquatic facility provision in Darfield.</p>	Feasibility study in 2018/19
5	<p>Plan for closure of community pools where:</p> <ol style="list-style-type: none"> 1. Significant investment in the pool and plant is required to achieve compliance, and, 2. The local community is unwilling or evidently unable to secure volunteers to manage their pool to required industry standards and the health and safety risks related to plant non-compliance are not remedied, and, 3. There is a low level of support to sit on the relevant pool committee 	As significant works are required on individual pools
6	<p>In the long term review the need for an additional indoor pool in the core network located in the Lincoln area.</p>	Review in 2024/25
7	<p>Refurbishment of the SAC to maintain the quality of presentation of the facility.</p>	Main works in 2024/25

Table 12-16: Forecast Future Swimming Pool Requirements

Annual Plan 2017/18

Given the clear demand for additional space at the Selwyn Aquatic Centre, Council decided to consult on the provision of funding (\$250,000) to undertake feasibility, planning and design for options to extend the facility. The outcome of the consultation process on this matter is set out as follows:

"We consulted on providing \$250,000 in our budget for 2017/18 to allow feasibility, design and planning work to be carried out for additional pool space at the Selwyn Aquatic Centre. A separate budget would be required to fund construction of any additional facilities."

Submissions and survey comments:

Online survey comments and submissions showed strong support for this proposal.

Council's decision:

The Council confirmed \$250,000 would be included in the Annual Plan to carry out feasibility, design and planning work to add new pool space and additional learn to swim office space to the Aquatic Centre. This work would identify what the cost of constructing these new facilities would be. Further community consultation on the new pool space is planned as part of the Aquatic Facilities Plan review. From this community feedback a proposal on developing new pool space can be prepared for consultation as part of the Long-Term Plan for 2018-2028."

12.3.4 Demand Management

'Demand Management' is:

"The active intervention in the market to influence demand for services and assets with forecast consequences, usually to avoid or to defer capital expenditure".

The Council needs to consider how it intends to manage the demand for Council services and facilities through other mechanisms rather than asset related solutions. In particular the Council must consider how it can operate this activity in a manner that promotes sustainable management of assets.

The population in Selwyn District is predicted to increase and this growth will place increasing pressure on the district's swimming pool facilities. In addition there are other demand factors to consider including the levels of provision by other neighbouring Councils and the future approaches of other providers (especially schools). The impact of the Canterbury earthquake events has provided a level of uncertainty in relation to range of demand factors including population growth and the effects of recreation infrastructure loss in Christchurch City.

Meeting the future demand requirements for swimming pools (particularly indoor aquatic facilities) and the cost of provision and on-going maintenance will be a significant challenge to SDC. Consideration must be given to a range of actions to meet this challenge including non-asset demand techniques.

Demand Management Approach

The demand management initiatives that are being used or can be considered for this activity are:

- Work interdependently with other neighbouring local authorities to provide the range of aquatic facilities that meets regional, district and local needs.
- Co-locate aquatic facilities with other community facilities to optimise building, supporting infrastructure and operating requirements (e.g. reception).
- Regulate demand and use through application of District Plan rules, SDC Bylaws and Policies.
- Improve the serviceability and utilisation potential of existing pools through implementation of capital improvement programmes (e.g. improve heating to extend seasons).
- Create new assets and facilities or carry out extensions to accommodate demand.
- Developing policies to provide effective controls on uses.
- Promote community involvement and stewardship of pools by supporting the local management committees.

- Seek investment and partnerships with the private sector or other public agencies (e.g. Lincoln University) on aquatic facility provision.
- Work in partnership with other agencies such as schools for the provision of pool facilities and provide technical and financial support to ensure continued community access.
- Work collaboratively with other agencies to reduce duplication of facilities.
- Apply pricing mechanisms to regulate use of facilities where demand exceeds supply.
- Consider decommissioning or disposal of pool facilities where there is an over-supply or where there is no longer a clear demand for this service.

12.3.5 Meeting Demand through Asset Growth

From the capacity assessments undertaken as part of preparing the Aquatic Facilities Plan review as well as the expressed demand through community consultation it is clear that additional aquatic infrastructure is required to meet demand both now and in the future. The continued urban expansion of townships especially in localities where high growth is forecast means that the current deficit in provision levels will be exacerbated over time.

To meet this demand it is proposed to extend the Selwyn Aquatic Centre to provide additional learn to swim and programme space.

The following table sets out information on demand issues that may be met through provision of additional assets provided by Selwyn District Council. Further details on actual new asset requirements resulting from growth and demand are set out in Section 12.4.6.

Location	Demand Issue	Asset Requirement	Timing
District Wide	Continued population growth & service expectation for access to an indoor pool facility for a range of activities	Extension to SAC with a programme pool & admin (total area of 1,174m²) <ul style="list-style-type: none"> • 25 x 20m pool (8 lanes) with 2.5min clearance all sides, nominal 0.5 wet deck. Ramp to 0.9m depth. • Pool plant room • Pool equipment storage • Learn to swim office (3 person) • Multipurpose room (Marshalling / Meeting) • Staff room and change • Family change rooms x 6 • ACC change room • Poolside WC • Poolside showers (one adult showers and two child shower) • AHU plant room (outdoor area) • Other misc. plant (EDB cupboards, underfloor heating cupboards etc.) 	2018/19
District Wide	Greater range of facilities available at SAC to meet service expectations of users	Dry recreation Facility (350m²) <ul style="list-style-type: none"> • Cardio room • Programme rooms x2 • Massage/physio room • Storage/cleaners space • Change rooms Café (199m²) <ul style="list-style-type: none"> • Served • Seating area • Kitchen • Storage/waste • Outdoor seating 	2018/19
Lincoln/Prebbleton	Continued population growth	Need partly met by Selwyn Aquatic Centre expansion and planned CC facility in Hornby	2018/19 2020

Location	Demand Issue	Asset Requirement	Timing
	& service expectation for access to an indoor pool facility	Possible partnership with private provider for Learn to Swim pool Review feasibility of indoor pool as a longer term option	2024/25
Darfield	Existing deficiency in facility quality service standards	Undertake feasibility study to look at future options for meeting swimming pool needs Invest in upgrading pool plant and equipment to extend life until future requirements are defined Provide indicative budget for pool replacement in the 30 year Infrastructure Strategy	2018/19 From 2019/20 2030/31

Table 12-17: Swimming Pool Assets Required to Meet Demand

12.4 Managing Swimming Pool Assets

This section explains how the district's public swimming pools are managed and operational service delivered. It also covers the strategies employed for managing the assets and identifies maintenance, renewal, new asset and disposal programmes.

12.4.1 Management Strategy

District Swimming Pools

The management and operation of the Selwyn Aquatic Centre are directly run by Council staff, under the control of the Selwyn Aquatic Centre Manager.

This position is supported by the Council's Property and Commercial Department in regard to asset management planning.

Operational procedures for the aquatic centre have been documented and will be reviewed and updated annually. The Operating Procedures will generally include the following elements:

- Facility Description
- Hours of Operation
- Staff management
- Communication
- Health & Safety – Employees
- Health & Safety – Customers
- Poolside
- Lifeguarding the Pool
- Customer Behaviour
- Emergency Action Plan
- Daily Operations
- Plant Room Operations
- Water testing

The district facility has been accredited with "Poolsafe" status, thus ensuring it is meeting the latest industry safety and operational standards.

Sub District Pools and Community Swimming Pools

The majority of Council's community swimming pools are managed and operated on a day to day basis by local management committees with support from the Selwyn Aquatic Centre Manager and Plant Operator. The Darfield Pool Committee has withdrawn from pool management and this facility is now directly managed by Council staff. The committees operate on a voluntary basis and have management responsibilities delegated by Council. Service delivery functions including pool operation and maintenance is undertaken by the management committees with technical support from Council staff. The Council's Property and Commercial Department provides support and advice to the committees and liaison is through the Community Projects Co-ordinator. Strategic planning is the responsibility of the Asset Manager Open Space and Property.

It is expected that each pool has standard operating procedures in place and the other plans necessary to operate the pool in a safe and serviceable manner. A management agreement and operating policy have been prepared that clearly set out responsibilities for all parties and are intended to provide guidance for management committees. In addition to this, Council also provides other support to assist the committees in meeting service requirements such as lifeguard recruitment, water quality testing and training.

The Selwyn Aquatic Facility Manager has been providing technical support and advice to the community pools and this is anticipated to continue into the future. Technical and resourcing support from the Selwyn Aquatic Centre facility is available to the community pools as required. This assists the pools in meeting operating requirements.

Timeframe for Provision of Swimming Pools

It is intended that swimming pools and supporting assets will be provided for the district into the foreseeable future and it will be necessary to maintain and improve the assets to continue to support service provision.

12.4.2 Asset Description

In order to deliver swimming pool services to the required level, a range of assets are required. This section covers a description of the assets that support the delivery of swimming pools. As well as a physical description of each pool it includes information on asset value and condition.

A physical description of each of the swimming pools is set out in Table 12-18: Swimming Pools Asset DescriptionTable 12-18 below.






Pool	Location	History	Built	Upgrades	Facility Description	Operates	Condition Grade	Photograph
Darfield	Ross St, Darfield	Situated on Reserve land the main pool has been rebuilt many times over the years	1928	Upgraded 2001-2002: new change rooms, office, plant rooms, learners pool covered. Shade sails installed 2008/09. Heating upgrade completed 2013. New chemical dosing system in 2016.	1 outdoor: 25mx9mx1.0-2.25m, 2 indoor: heated learner's pool and unheated paddling pool. Changing facility with separate family area & disabled change/toilet	Show weekend - end March.	Plant Good Building Good	
Leeston Learners Pool	Chervier St, Leeston	On land belonging to the Catholic Church. (ex Catholic School pool)	1965	Change facilities upgraded and include disability/family change facilities. West fence replaced 2008. Heating system installed 2011. Pool apron replaced 2013.	1 outdoor pool: 13mx5x0.8-1.0m Changing facility with disabled change/toilet	Show weekend - end March (weather permitting).	Plant Good Buildings Average	
Sheffield Memorial Pool	SH73 West Coast Rd, Sheffield	This community pool also used by local primary school and a swimming club	1950s	New Chemigem water monitoring system installed. Heat pump installed 2009/10. Change room rebuild completed in 2015. Solar heating system installed 2016. New fence built in 2016.	2 outdoor pools: lane pool 21mx9mx1.0-3.6m, and paddling pool 6mx2m Diving board	Show weekend - end March.	Plant Good Buildings Good	
Southbridge	High Street, Southbridge	This community pool also used by local primary school and a swimming club	1980	Hydroslide re-surfaced 2009. New toddler's pool installed 2010. Solar heating system installed 2008/09. Pool tank fibre glassing in 2011. Filter/plant upgraded in 2013/14. Change room and offices rebuilt in 2016. New fence on south boundary in 2016.	2 outdoor pools: lane pool 25mx13mx0.9-1.8m, and paddling pool 4mx1.5m. Hydroslide. Changing facility with disabled change/toilet	Show weekend - end March.	Plant Good Buildings Very Good	
Selwyn Aquatic Centre	Rolleston Recreation Precinct	Opened June 2013	2013	Car park extended in 2017.	Indoor facility. 25m x 8 lanes; 1 hydrotherapy pool; 1 learners pool; 1 leisure pool	All year	Plant Good Building Good	

Table 12-18: Swimming Pools Asset Description

Swimming Pools Asset Valuation

A valuation of assets is undertaken every three years. The valuation information provided is extracted from the Asset Register as at 30 June 2016 plus adjustments for 2016/2017.

	Asset Replacement Value (\$)	Asset Depreciated Replacement Value (\$)
All Swimming Pools	12,448,807	11,612,666

Table 12-19: Swimming Pools Asset Valuation

12.4.3 Asset Condition

A condition assessment of all swimming pool operating plant and equipment assets was carried out in June 2014 and reviewed in 2017.

In addition, remaining useful life (RUL) for all asset components was determined based primarily on condition compared with industry standard useful lives. This information provided a snapshot of condition and has been used, in conjunction with risk and economic factors, to identify timing and costs for future renewal and scheduled maintenance works.

Opus International Consultants Limited were engaged in 2017 to carry out asset component validation and capture in line with the Council's building AMIS data structure. Opus also carried out condition inspection in line with the relevant sections of the Building Code and the assessment criteria listed in the IPWEA/NAMS practice note, Buildings: *Condition and Performance Assessment Guidelines: Practice Note 3.2*. RUL, industry standard useful life, and estimated replacement costs were also provided to asset component level. From the condition information provided, any routine maintenance issues were extracted and passed to the relevant operational teams, and renewal and replacement works incorporated into the project and capital budgets.

Condition information on each of the pools is provided below.

Darfield Pool

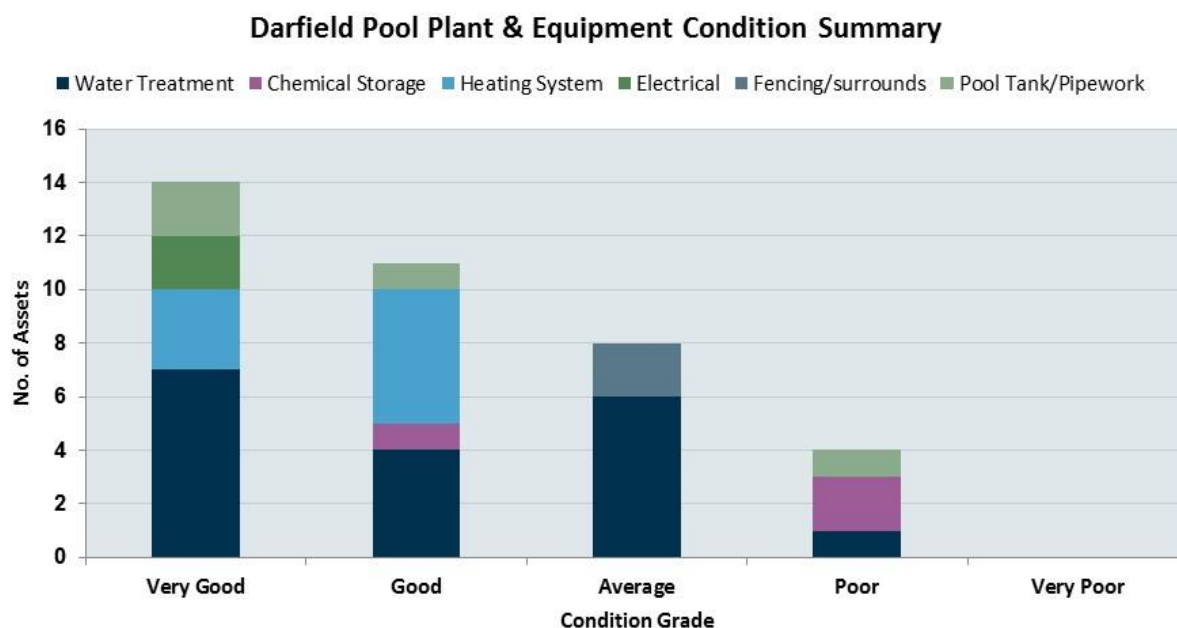


Figure 12-7: Darfield Pool Asset Condition Summary

The figure above shows that, overall, Darfield pool operating plant and equipment is largely in good condition. The condition assessment identified a need to upgrade the pump and filter system for the main pool which is currently considered undersized. In conjunction with this, replacement of the pipework will allow for a higher flow rate and distribution throughout pool. This work has been programmed for 2019/20.

Source (H20) report. The poor condition relates to: two chemical bunds for the teaching pool, eyeball pool inlets needing replacement, and the backwash discharge water not connected to the waste water system. These items will be rectified as part of the maintenance and renewal programme and options for disposal of backwash water will be investigated.

Further information on plant and equipment at Darfield Pool is set out in the table below.

Asset Item	Condition	Comments
Filters	Main Pool – Average Learners – Good Paddling Pool – Good	Pool filters - In average/good condition and considered inadequate for pool size. Upgrade pool filter with 2 x deep bed sand filters, planned for 2019/20.
Pumps	Main Pool – Very Good Learners – Good Paddling Pool – Average	Main Pool pump was replaced in 2017. Others are inadequate for flow rate required and planned for upgrade in 2019/20.
Dosing System	Very Good	New automated chemical dosing system installed in 2017 for all pools.
Pool Tanks	Main Pool – Average Learners – Good Paddling Pool – Good	3 separate tanks Main pool tank to be re-lined in 2019/20.
Pool Apron	Average	Some cracks & joints requiring repair.
Heating system	Very Good/Good	Upgrade of pipe work and circulation systems in 2016 including the solar pipe array.

Table 12-20: Darfield Pool Plant & Equipment Condition

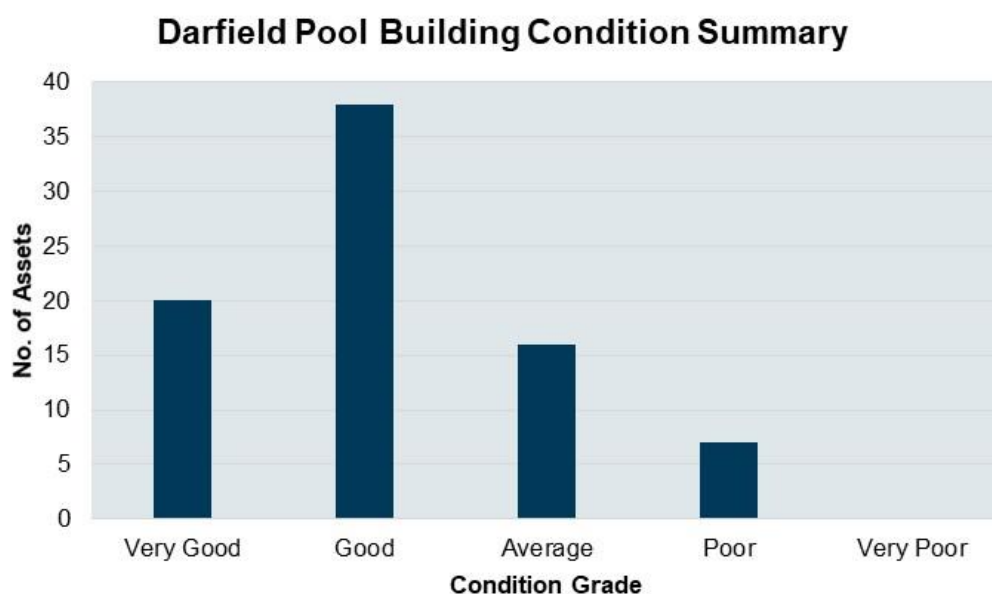


Figure 12-8: Darfield Pool Building Asset Condition Summary

The figure above shows that, overall, the Darfield Pool building is in mostly good condition. The poor condition grades relate to the paint finishes on the several changing room walls, floors and doors which has been programmed for re-painting in 2017/18 and 2021/22. There was no urgent maintenance defects identified.

Leeston Learners Pool

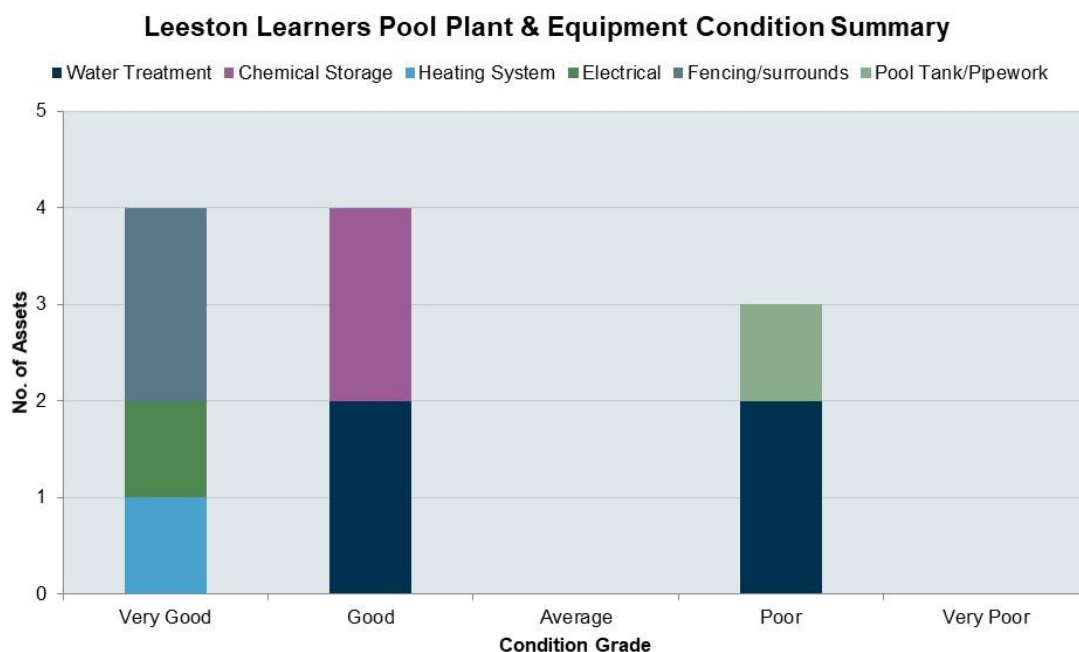


Figure 12-9: Leeston Learners Pool Asset Condition Summary

Generally the Leeston Learners Pool is in a tidy and well maintained condition. A condition assessment of the operational pool plant and equipment identified several issues including the pump and filter system being inadequate for the size of the pool and the poor condition of the pump. In addition there are signs of corrosion within alloy skimmers on the pool tank walls causing water leakage. It has been recommended to upgrade to a larger pump and filter, replace wall skimmers and repaint the pool tank. The pool pump is planned for replacement in 2017/18 and the filter in 2020/21. The skimmers are to be replaced in 2019/20.

Further information on operating plant and equipment at Leeston Learners Pool is set out in the table below.

Asset Item	Condition	Comments
Filters	Poor	Replacement of existing sand filter 2020/21
Pumps	Poor	Pump at end of life - replacement 2017/18
Dosing System	Good	Injection pump (Stena)
Pool Tank	Poor	Replacement of skimmers and repaint programmed for 2019/20
Pool Apron	Very good	Repairs to pool apron undertaken 2013
Heating system	Very good	Heat pump installed 2011

Table 12-21: Leeston Learners Pool Plant & Equipment Condition



Figure 12-10: Leeston Learners Pool Building Asset Condition Summary

Overall, the Leeston Learners pool building is in average condition. The very poor condition relates to the paint failure on the changing room timber doors and the (cleanliness or absence) of hand basins in the men's and ladies WC. This will be addressed as operational maintenance issues and repaired out of current budgets. The poor condition relates to internal wall claddings in the disabled changing room and plant room as well as the paint finishes on a timber internal door and timber window. This will be addressed with internal and external painting planned in 2017/18.

Sheffield Pool

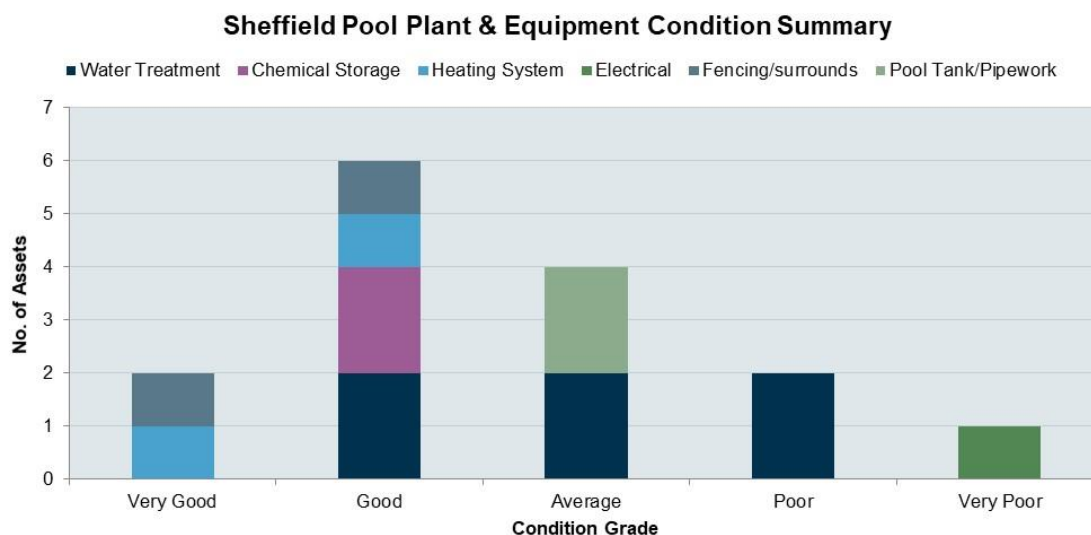


Figure 12-11: Sheffield Pool Asset Condition Summary

The pool plant and equipment is generally in working order although the filter and pumps have reached the end of their serviceable life and require replacement. This has been programmed for 2017/18. The pool tanks are in average condition with deterioration of concrete work and it is suggested to look at a recoat system. The very poor item relates to the electrical sub-main and services which require an urgent upgrade and is planned for 2017/18. Further information on the plant and equipment is shown in the table below.

Asset Item	Condition	Comments
Filters	Poor	2 x old style sand filter – due for replacement 2017/18
Pumps	Average	Due for replacement 2017/18
Dosing System	Good	Chem Gen Auto system due for replacement in 2017/18
Pool Tank	Average	Tank requires re-coat – planned for 2021/22
Pool Apron	Good	Overall good with a few minor cracks but do not present a hazard
Heating system	Very good/good	Heat pump installed in 2009 and solar system in 2016. Heat pump at capacity and needs service/upgrade which is planned for 2017/18

Table 12-22: Sheffield Pool Plant & Equipment Condition

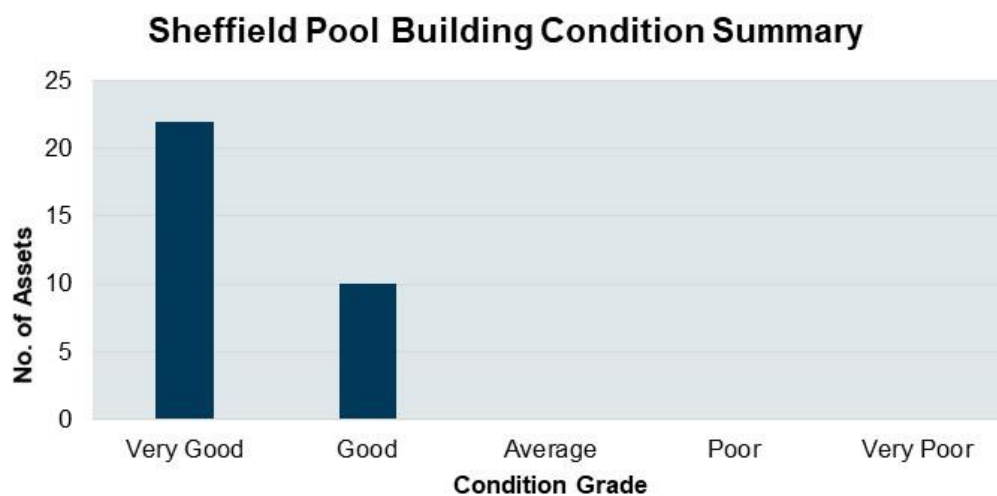


Figure 12-12: Sheffield Pool Building Asset Condition Summary

The Sheffield Pool building has an overall condition rating of Good with the change facilities being rebuilt in 2015, with no urgent maintenance defect work identified.

Southbridge Pool

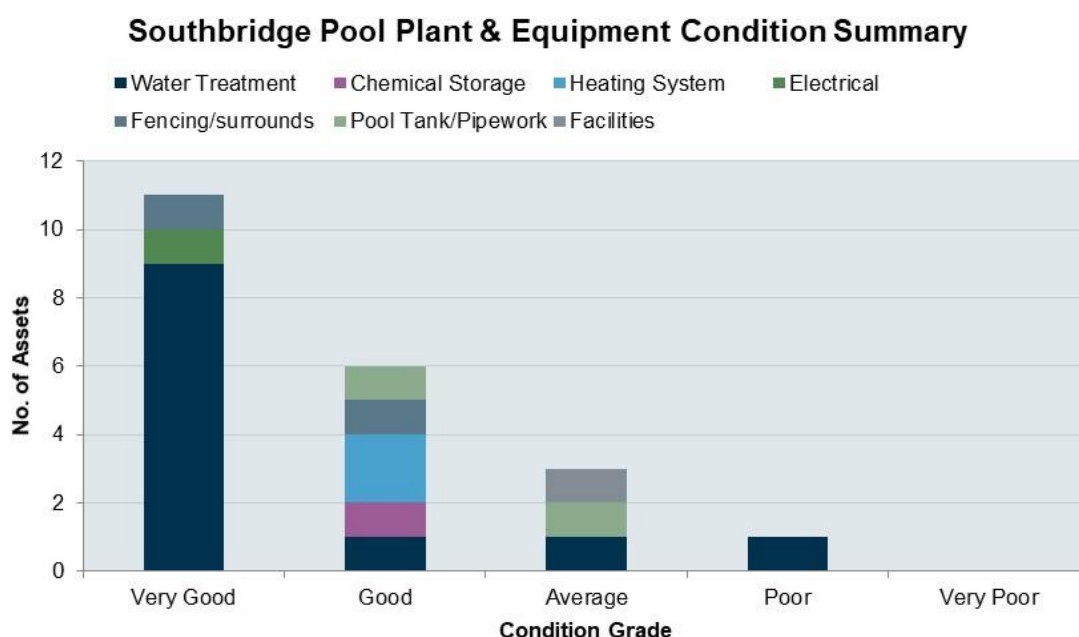


Figure 12-13: Southbridge Pool Asset Condition Summary

Generally, pool plant assets at Southbridge Pool are in very good to good condition. Considerable work has been carried out in the last 8 years to improve asset condition. The filtration system has been replaced (2014) and planning is underway for a separate toddlers pool filtration and circulation system (2017/18). The pool tank incurred some damage from the earthquake and has been re-surfaced with a fibreglass coating in 2011. The balance tank was also damaged and has been re-lined.

The poor condition relates to the water treatment end suction circulation pump for the babies pool water supply. The remedial action required is to separate the circulation system for this pool from the main pool and install a separate filtration system.

Further details on the condition of these assets are set out in the table below.

Asset Item	Condition	Comments
Filters	Very Good	New filter installed 2014 Toddlers Pool requires independent filtration – scheduled 2016/17.
Pumps	Very Good	New pumps installed in 2013/14.
Dosing System	Very Good	New automated pumps installed 2014.
Electrical	Very good	Upgraded 2014.
Pool Tank	Main Pool – Average Toddlers Pool – Good	Main pool re-surfaced in 2011 but needs some resealing. Toddler's pool re-built in 2010.
Hydro slide	Average	Joints relined in 2009 and will need attention - planned for 2018/19. Steps are non-compliant and are to be upgraded in 2017/18.
Pool Apron	Good	Minor cracks to inlaid bricks.
Heating system	Good	Solar heating system installed in 2009. Looking to relocate the pipe array to improve performance in 2017/18.

Table 12-23: Southbridge Pool Plant & Equipment Condition

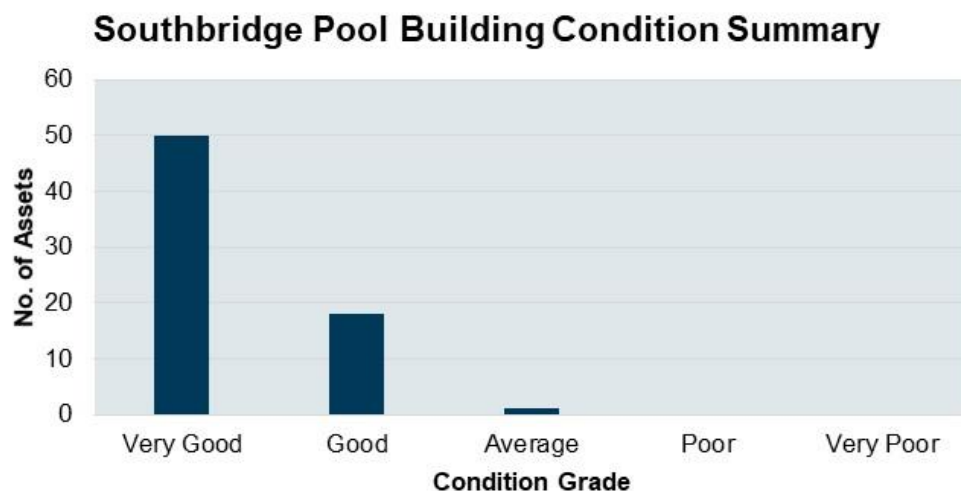


Figure 12-14: Southbridge Pool Building Asset Condition Summary

The changing rooms and office were rebuilt in 2016 and overall, the Southbridge pool building has a condition grade of very good. The one maintenance defect noted was a broken shower nozzle which has been repaired as part of operational maintenance.

Selwyn Aquatic Centre (SAC)

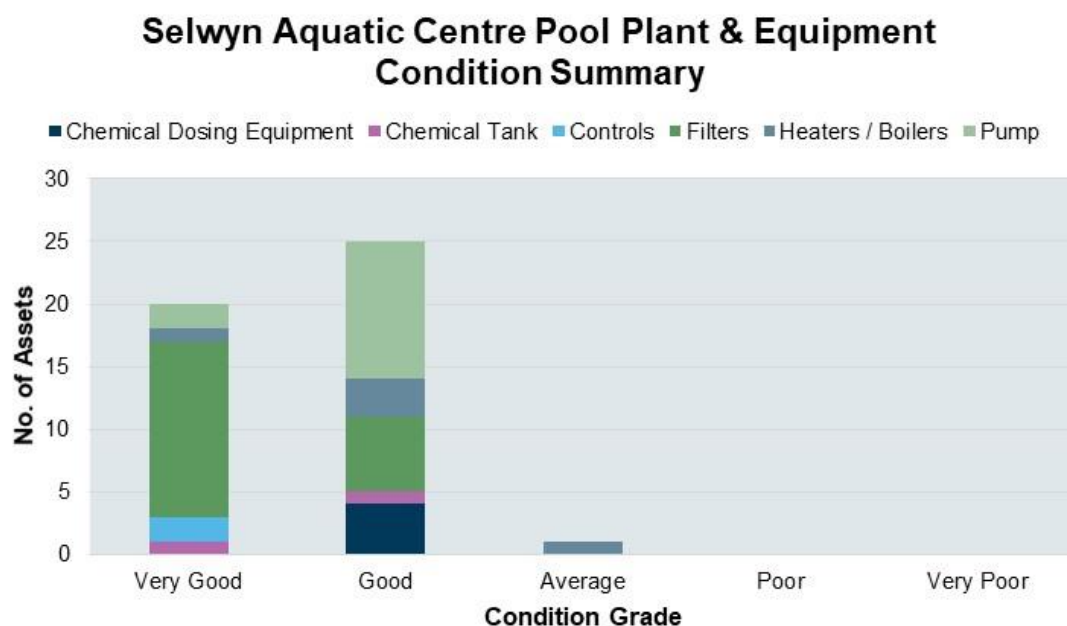


Figure 12-15: Selwyn Aquatic Centre Pool Asset Condition Summary

Generally the pool plant and equipment at the Selwyn Aquatic Centre is in good to very good condition. This is to be expected as this reflects the age of the facility (4 years old). There will be a need to replace plant and equipment to maintain pool water quality over the next 10 years and a replacement programme has been prepared based on the likely useful lives of assets.

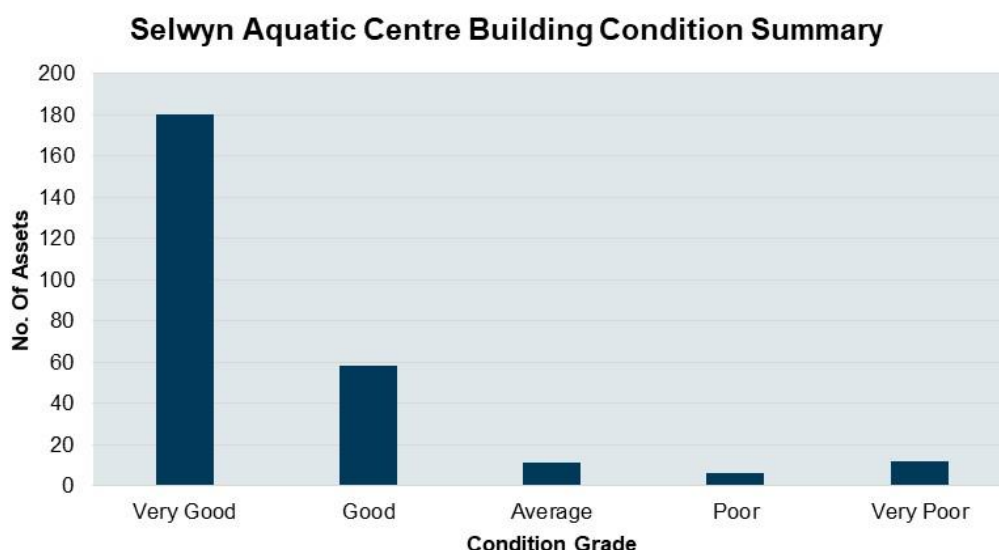


Figure 12-16: Selwyn Aquatic Centre Building Condition Summary

The Selwyn Aquatic Centre Building has an overall condition grade of good. While the building is only four years old there are some significant construction failures that are reflected in the very poor grades. The main issue is the poured epoxy floor failures at the floor to wall junctions resulting in large cracks. These are throughout the building including the corridors and change rooms. This has been scheduled to be renewed in 2027/28 and interim repairs will be carried out under the cyclical maintenance programmes.

Additionally the poor and very poor scores reflect there are cracks to ceiling panels and perimeter at the ceiling / wall junction. These are non-structural but will require treatment under the maintenance programme.

The remaining poor scores relate to the external spouting corrosion which is planned for renewal in 2026/27. There is also corrosion reported on some of the external windows (paint coming off flashing) external wall cladding. Operations maintenance manuals need to be upgraded to include building wash down, and some form of corrosion treatment.

12.4.4 Operations and Maintenance

Operations and maintenance for community swimming pools has historically been arranged and carried out by the local management committees with minimal input from Council. This has resulted in a plethora of different approaches based on the resources available in the local community.

Operational requirements have become more onerous as a result of changes to standards and legislation and it has, therefore, become increasingly difficult for volunteer committees to carry out the necessary work to a satisfactory level. With the opening of the Selwyn Aquatic Centre in 2013 there is additional technical and professional resources available. The SAC plant manager checks plant and equipment and assists the committees with operational matters during the pool season.

Operations and maintenance of the Selwyn Aquatic Centre is organised by the Facility Manager and undertaken by the professional staff and contractors as required.

Operations

Operations activities required for swimming pools are extensive and include the following:

- Pool cleaning
- Water testing
- Water treatment - plant, chlorine dosing and filter operation
- Pool supervision
- Entry control

- Cleaning change/toilet facilities
- Hazard management

Operational activities are generally carried out directly by pool committee members or other volunteers assigned from the local community who have the required skills. Southbridge, Darfield and Sheffield pools employ paid and qualified lifeguards for supervision. Other pools operate a key/card access system with no formal supervision.

The Selwyn Aquatic Centre has permanent operational staff to manage and operate the facility. Routine and preventative maintenance schedules have been prepared and implemented.

In order to ensure operating practices are carried out in a manner that protects safety for pool users standard operating procedures are required. An audit of operating procedures from a health and safety perspective was undertaken for all pools in 2016. The aim of this audit was to gain an understanding of the level of risk at the Council's aquatic facilities and determine appropriate actions. A risk assessment was made based on the observations made for the following elements:

- People hazards, access and security
- Health, accidents, injuries and emergencies
- Signage
- Water quality, filtration and circulation systems, plant room
- Chemicals including cleaning products
- Electrical safety

A scoring system was applied for each element with 0 being nil/very low risk and 3 being a high risk. This indicated some severe deficiencies in the way pools were being operated. Findings for the pools covered under this section of the plan are set out below:

Leeston Learners Pool	
Element	Risk Score
People hazards, access, security and signage	3
Health, accidents, injuries and emergencies	3
Signage	1
Water quality, filtration and circulation systems, plant room	1
Chemicals including cleaning products	1
Electrical safety	3
Final Risk Score	12 - Extreme
Darfield Pool	
Element	Risk Score
People hazards, access, security and signage	2
Health, accidents, injuries and emergencies	1
Signage	1
Water quality, filtration and circulation systems, plant room	0
Chemicals including cleaning products	1
Electrical safety	0*
Final Risk Score	5 - High
Southbridge Pool	
Element	Risk Score
People hazards, access, security and signage	1
Health, accidents, injuries and emergencies	1
Signage	0
Water quality, filtration and circulation systems, plant room	0
Chemicals including cleaning products	1
Electrical safety	2
Final Risk Score	5 - High
Selwyn Aquatic Centre	

Element	Risk Score
People hazards, access, security and signage	3
Health, accidents, injuries and emergencies	0
Signage	0
Water quality, filtration and circulation systems, plant room	0
Chemicals including cleaning products	0
Electrical safety	0
Final Risk Score	3 - Moderate
Sheffield Pool	
Element	Risk Score
People hazards, access, security and signage	3
Health, accidents, injuries and emergencies	3
Signage	2
Water quality, filtration and circulation systems, plant room	2
Chemicals including cleaning products	2
Electrical safety	2
Final Risk Score	14 - Extreme

Table 12-24: Swimming Pool scoring system

As a result of this, audit process actions were put into place to address issues on a priority basis and much of this work has now been completed. The key issue with SAC was the failure to obtain a compliance certificate for the facility and this has now been rectified.

A follow up audit undertaken in June 2017 (prior to the opening of the community pools) found that most issues had now been adequately addressed.

The following table sets out the current status of operating procedures.

Operating Requirement	Southbridge	Darfield	Sheffield	SAC	Leeston
Pool Supervision	3 x qualified lifeguards	3 x qualified lifeguards	2x qualified lifeguards when pool open to the public	2-8 qualified lifeguards depending on usage	Nil – self supervising
Supervision methods in place	Yes	Yes	Yes	Yes	N/A
Gates & plant room secure	Yes	Yes	Yes	Yes	Yes
Fencing complies	Yes	Yes	Yes	Yes	Yes
BWOF current	Yes	Yes	N/A	Yes	N/A
Standard Operating Procedures	Yes	Yes	Needs updating	Yes	No
Emergency Action Plans	Yes	Yes	Yes	Yes	Yes
Pool Risk Management Plan	Yes	Yes	Yes	Yes	Yes
Pool Alone Policy/Signage	N/A	Yes	Yes	Yes	Yes
Water testing	3 hourly per day	3 hourly per day	2 x daily & 3 hourly when lifeguards present	3 hourly per day	2 x daily
Qualified water treatment operator	Yes	Yes	Yes	Yes	No – support from SAC plant operator
Bacteriological testing	Yes (Monthly)	Yes (Monthly)	Yes (Monthly)	Yes (Monthly)	Yes (Monthly)
Faecal accident procedure	Yes	Yes	Yes	Yes	Yes

Operating Requirement	Southbridge	Darfield	Sheffield	SAC	Leeston
Safe handling & storage of chemicals	Yes	Yes	Yes	Yes	Mostly – some safety equipment not present
Pool signage is compliant	Yes	Yes	No – needed for diving board	Yes	Yes

Table 12-25: Swimming Pool Operational Audit Results

There have been significant improvements over the last few years in relation to water/bacteriological testing, signage, and having standard operating procedures in place. Bacteriological testing is managed by the Aquatic Facilities Manager who arranges water quality testing for all pool facilities in Selwyn.

The Selwyn Aquatic Centre is fully compliant with all operating requirements and technical expertise available at this facility is used for improving operating procedures at other pools across the district.

The current practice of unsupervised use at Leeston Learners Pool (and the other small community pools located on community centre sites) has potential to create liability issues for Council if there was a serious accident. This is a vexing question for Council whereby it needs to consider the risk to public health and safety alongside the benefits of providing places for people to swim.

Maintenance Strategies for Community Swimming Pools

Three categories of maintenance are performed on swimming pool assets and these are outlined below.

Reactive Maintenance - Repair of assets required to correct faults referred to pool operators by users or found during inspections. The approach is to respond to maintenance issues on a priority basis in consideration of the following factors:

- Safety/health of pool users/occupants
- Pool facility functionality is comprised or affected
- The repairs are needed to protect assets from further deterioration and cost

The necessary repair work will be arranged by the pool operator or management committee representatives who will engage a suitable contractor who has been approved by Council.

Planned Maintenance - Also defined as preventative or programmed maintenance. Typical work includes repainting of pool tanks, repainting of buildings and sand replacement in filters.

The programme and priority for work is based on condition inspections and reporting to monitor asset condition, identify emerging risks, and identify the need for maintenance and repair work. The priority of work is based on the consequences of asset failure on levels of service, costs and safety.

The planned maintenance programme will be regularly reviewed and updated at least every three years based on condition inspections, maintenance trends and risks. This activity will be implemented by contracts with specialist tradesmen depending on the nature of the work. In some cases, such as repainting the pool tank, committees may arrange for community service assistance via the Department of Justice to undertake this work.

Undertaking the condition survey, developing the building maintenance plan is the responsibility of the Asset Manager, Open Space & Property in consultation with the pool operators and committees.

Grounds Maintenance – This work covers the maintenance of any grounds and car parks directly associated with the pool facility. Pool management committees generally make their own arrangements for this work with some (Darfield, Southbridge, Leeston) opting to have it carried out under the Reserves Maintenance Contract (Contract Number 1202) which is currently undertaken by SICON Ltd. At Sheffield Pool the caretaker carries out this work.

Grounds maintenance includes the following activities:

- Grass maintenance on a programmed frequency
- Garden maintenance - weeding, edging

- Litter removal
- Tree and hedge maintenance and specialist arboriculture services
- Spraying edges
- Maintenance of any structures – fences, picnic tables, seating etc.

Maintenance Strategies for Selwyn Aquatic Centre

Reactive Maintenance – Repair of assets required to correct faults found during inspections or day to day operations. Work prioritised in consideration of:

- Safety/health of pool users/occupants
- Pool facility functionality is compromised or affected
- The repairs are needed to protect assets from further deterioration and cost

Urgent work will be attended to or repairs arranged by pool staff where practicable. Reactive maintenance works are arranged by the Plant Operator as required using Council approved contractors.

Planned Maintenance - Also defined as preventative or programmed maintenance. The programme and priority for work is based on condition inspections and reporting to monitor asset condition, identify emerging risks, and identify the need for maintenance and repair work. Plant and equipment maintenance and operating manuals have been used to determine maintenance programme scheduling. The priority of work is based on the consequences of asset failure on levels of service, economics and safety.

The planned maintenance programme has been prepared and will be updated at least every three years based on condition inspections, maintenance trends and risks. This activity will be implemented by the Facility Manager and Plant Operator utilising specialist contractors as required.

Grounds Maintenance – This work covers the maintenance of any grounds and car parks directly associated with the pool facility. Currently this work is carried out under a separate grounds maintenance contract but in the future it is intended to have it integrated into other grounds maintenance contracts for the adjacent Foster Recreation Park.

Inspection and Reporting

An inspection and reporting programme is a critical aspect of ensuring that pool managers are aware of the condition of assets and that they are operating to the required standards and to ensure the health and safety of pool users.

Six general categories of inspection and reporting are applicable to swimming pools and will be undertaken in the future:

1. Routine service inspections and reporting by management committees/pool operators;
2. Health and Safety Audits and follow ups;
3. Water quality testing (daily regime and at least monthly bacteriological testing);
4. Annual inspection by Food and Health NZ to ensure general compliance;
5. Formal periodic facility condition inspections and report;
6. Building Warrant of Fitness and compliance inspections (where required).

Service inspections are undertaken by the pool management committee or pool staff on a daily basis during the pool operating season to identify any immediate issues that require rectification. The focus is on health and safety of pool users and to ensure all equipment is operating correctly.

Pool water quality testing is carried out by pool staff on a daily basis. Bacteriological testing is managed by the Aquatic Facilities Manager who arranges water quality testing for all pool facilities in Selwyn.

Food and Health NZ Ltd will continue with annual inspections with reports to be prepared and sent to committees and Council staff to ensure any issues are identified and addressed.

The formal periodic condition inspections are planned to be undertaken every three years by qualified personnel with expertise in building structures and maintenance requirements.

For buildings/facilities requiring a Building Warrant of Fitness (those with compliance schedules – Selwyn Aquatic Centre, Southbridge and Darfield Swimming Pools) an independent contractor is engaged to

undertake the necessary inspections and ensure the building is compliant. The provider undertakes a monthly defects report, annual IQP inspection, annual report, issue of BWOFF certificates, test of backflow preventers etc.

Operations and Maintenance Issues Identified

Specific maintenance and operating issues that have been defined and the Council's management response is set out in the following table.

Issue	SDC Response	Timing
Corrosion affected some metal fittings at SAC	<ul style="list-style-type: none"> - Address corrosion issues via maintenance programmes with additional protective coating - Building washdowns 	<ul style="list-style-type: none"> - Planned maintenance programme from 2018
Compressors for heat pumps at SAC have failed earlier than anticipated	<ul style="list-style-type: none"> - Replace failed compressor units and budget for future replacement 	<ul style="list-style-type: none"> - Failed compressors replaced in 2016 - Renewal planned in 2023
Epoxy floor membrane at SAC has developed cracks	<ul style="list-style-type: none"> - Repair cracks as interim measure from maintenance programme - Plan for floor renewal 	<ul style="list-style-type: none"> - Planned maintenance programme from 2018 - Renewal planned for 2027
Standard Operating Procedures, Emergency Action Plans, Health and Safety Plans not kept up to date for all pools	<ul style="list-style-type: none"> - Standard documents and templates prepared and issued for use by all pools - Undertake regular audit to ensure they are kept up to date 	<ul style="list-style-type: none"> - Standard templates and advice available to all pools. Audit in 2017 and to continue annually prior to season start
Water quality at Sheffield Pool could not be guaranteed to meet standards	<ul style="list-style-type: none"> - Further support provided to the caretaker by the SAC Plant Operator - Testing regime increased with lifeguards present 	<ul style="list-style-type: none"> - Addressed for the 2016/17 season
Electrical safety of equipment at community pools was uncertain	<ul style="list-style-type: none"> - Arrange for all electrical equipment to be tag tested - Upgrade switchboard at Sheffield Pool 	<ul style="list-style-type: none"> - Tag testing compiled in 2017 - Switchboard upgrade at Sheffield Pool planned for 2017/18
Pool management committees are finding it difficult to meet all compliance requirements	<ul style="list-style-type: none"> - Provide additional support for training, water testing and assistance with projects 	<ul style="list-style-type: none"> - Technical advice from Council staff (projects, plant operation) on an on-going basis - Compliance budget continuing from 2018 to assist community pools
Inconsistent approach to pool entry control (unsupervised pools)	<ul style="list-style-type: none"> - Lifeguards extended to more pools - Pools open on understanding of a community person providing supervision - Consider improving security and access systems (e.g. card reader) and security cameras 	<ul style="list-style-type: none"> - Lifeguards at Sheffield Pool from 2017 - Further on-going training provided to committees and operating conditions in place for 2016/17 season - Lock system improved at Leeston Pool 2016
Tiles cracking in Selwyn Aquatic Centre main pool as a result of underlying cracks in concrete base	<ul style="list-style-type: none"> - Monitor and replace as required as part of maintenance/renewal programme 	<ul style="list-style-type: none"> - Budget for tile replacement on annual basis

Table 12-26: Swimming Pools Operations & Maintenance Issues

Deferred Maintenance

If work is to be deferred the impact on the assets and their ability to provide the required levels of service will be considered in the decision making process. All deferred works will be reconsidered and re-prioritised in the following years annual plan programme.

The deferral of some items of work will not have a detrimental effect on the levels of service provided by the assets. Repeated deferral however may incur a liability in future years.

Historical Operations and Maintenance Costs

A summary of historical operations and maintenance costs for swimming pools over the previous five years is presented in the graph below. The large increase in costs in 2013/14 is directly attributable to the development and opening of the Selwyn Aquatic Centre.

Scheduled maintenance costs have generally increased as a result of increased operational requirements through changes to standards and legislation and improved levels of service (e.g. pool heating, extension of lifeguarding service).

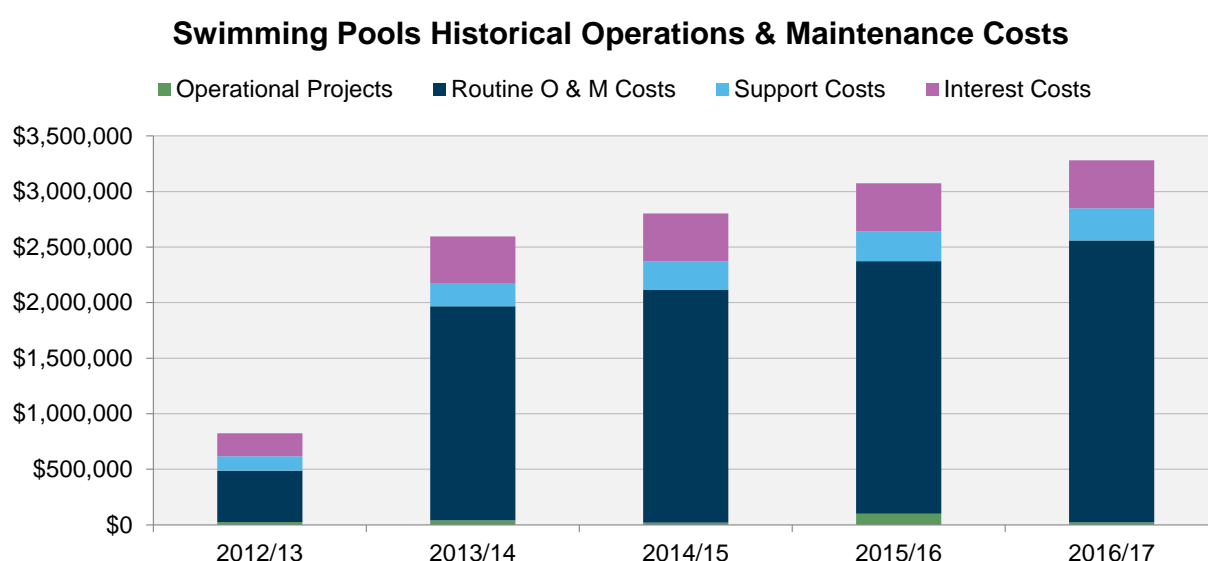


Figure 12-17: Swimming Pools Historical O & M Costs

Forecast Operations and Maintenance Programme

Operations and maintenance cost projections are summarised in Table 12-27 below. The costs shown generally assume no change in the method of service delivery and take no account of inflation. They are based on an analysis of historical costs and estimated costs for operating and maintaining the new swimming pool facility. Cost estimates are prepared for each swimming pool facility taking into consideration specific asset maintenance requirements and operating costs. A scheduled maintenance programme is indicated that provides for works necessary to extend the life and serviceability of assets and manage them in a sustainable manner.

Note that the operations and maintenance financial information presented below does not include depreciation costs.

Operations & Maintenance Expenditure	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Routine Operations & Maintenance											
Darfield	83,048	91,225	92,600	93,977	95,369	96,798	98,264	99,768	101,312	102,899	104,528
Leeston	6,547	6,866	6,889	6,910	6,930	6,952	6,975	6,999	7,024	7,051	7,080
Prebbleton	32,637	0	0	0	0	0	0	0	0	0	0
Selwyn Aquatic Centre	2,505,399	2,407,135	2,801,517	3,089,233	3,159,475	3,231,702	3,305,970	3,382,335	3,460,861	3,541,608	3,624,646
Sheffield	36,888	34,988	35,495	36,005	36,521	37,050	37,591	38,147	38,715	39,298	39,896
Southbridge	80,169	102,266	103,865	105,484	107,128	108,809	110,528	112,286	114,084	115,923	117,805
Total Routine O & M	2,744,688	2,642,480	3,040,366	3,331,609	3,405,423	3,481,311	3,559,328	3,639,535	3,721,996	3,806,779	3,893,955
District Wide O & M											
Support Costs	337,301	386,490	392,820	405,027	412,306	416,337	425,387	436,806	446,574	456,374	468,355
District Wide Costs	12,885	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500
Asset Management Costs	3,000	0	21,750	0	0	21,750	0	40,000	21,750	0	0
Community Pool Grants	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Total District Wide O & M	368,186	413,990	442,070	432,527	439,806	465,587	452,887	504,306	495,824	483,874	495,855
Scheduled O & M											
All Pools	172,858	141,380	157,060	100,580	96,660	116,100	197,460	211,530	97,360	113,560	136,260
Total Scheduled O & M	172,858	141,380	157,060	100,580	96,660	116,100	197,460	211,530	97,360	113,560	136,260
Interest Costs											
(SAC)	419,146	641,279	934,579	920,929	906,579	891,529	875,729	859,129	841,704	823,404	804,179
Total Interest Costs	419,146	641,279	934,579	920,929	906,579	891,529	875,729	859,129	841,704	823,404	804,179
Total O & M	3,704,878	3,839,129	4,574,075	4,785,645	4,848,468	4,954,527	5,085,404	5,214,500	5,156,884	5,227,617	5,330,249

Table 12-27: Swimming Pools Operations & Maintenance Cost Projections

12.4.5 Asset Renewal

Identification of Renewals

Identification of renewal works for swimming pools is primarily based on a detailed condition assessment undertaken over the first three years. This exercise also identified remaining useful life (RUL) to component level for all operational plant and equipment assets. RUL was based on applying standard industry useful lives to asset components and assessing the percentage of life used based on the current condition. The following factors were used to determine renewal requirements and timing:

- Age profile of assets (where known)
- Condition
- Assessed remaining useful life
- On-going maintenance requirements and costs (economics)
- Maintaining serviceability
- Obsolescence
- Safety risks and asset criticality
- Pool committee knowledge of assets and rate of deterioration

The general tactics applied for determining renewal or rehabilitation requirements of swimming pool assets is to utilise “poor” condition as a trigger for action as well as considering the factors listed above. This enables assets to be repaired or renewed prior to imminent failure and reduces the likelihood of increasing maintenance costs and safety issues. Where safety is not a significant concern some renewal work will be deferred beyond the identified renewal timing to “smooth” expenditure peaks.

Asset Coverage

The following assets are included in capital renewal programmes. These are:

- Hard surface areas
- Buildings - Fitout
- Buildings - Envelope
- Building Services
- Fences & gates
- Structures/furniture
- Signage
- Pool plant & equipment
- Fixtures & fittings

Renewal of soft landscape features such as trees and gardens is carried out as part of annual maintenance programmes with the renewal/replacement cost expensed at that time.

Renewal Forecast

Renewal forecasting based on the approach outlined above has been carried out for a 30 year horizon and is presented in the following graph:

Swimming Pools 30 Year Renewal Programme

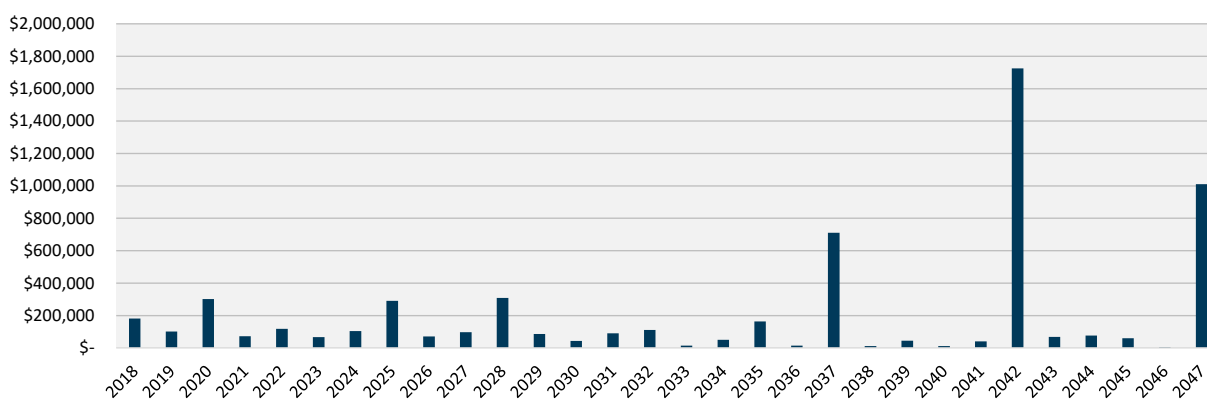


Figure 12-18: Swimming Pools 30 Year Renewal Forecast

Renewal Cost Projections

Future likely renewals requirements for the planning period are scheduled in the table below, which identifies anticipated costs for specific asset components.

Asset Component	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Pool Plant & Equipment	60,026	24,550	207,850	22,200	39,600	25,800	36,000	188,000	47,500	16,000	23,000
Pool Fixtures & Fittings	72,801	26,500	93,750	21,000	82,950	39,500	21,000	26,700	21,000	30,000	42,500
Building Services	30,000	0	0	15,600	0	0	27,500	32,300	0	15,600	61,900
Pool Surround Surface Areas	3,318	5,000	0	0	0	0	0	0	0	0	171,500
Car Park/Path Resurfacing	0	0	0	11,000	0	0	3,250	0	0	0	0
Fences & Gates	0	0	0	1,100	0	0	3,000	0	0	0	0
Outdoor Structures/furniture	0	10,000	0	0	0	1,100	0	0	0	19,800	9,700
Buildings Fitout	4,000	35,000	0	0	5,200	0	2,300	38,000	1,650	0	0
Building External	0	0	0	0	0	0	0	6,300	0	14,900	0
Signage	1,128	0	0	1,100	0	0	500	0	600	500	0
Total Renewals	171,273	101,050	301,600	72,000	127,750	66,400	93,550	291,300	70,750	96,800	308,600

Table 12-28: Swimming Pools Renewal Cost Projections

A forecast for renewals at the Selwyn Aquatic Centre has been prepared to maintain this important district facility in a serviceable condition. This signals the need to undertake significant renewal work particularly to plant and equipment towards the end of the 10 year plan. The following graph sets out the combined cyclical maintenance and renewal requirements for the SAC based on the asset plan. The 2017 asset plan has been developed from Flanders Marlowe Plan prepared in 2014 and updated plus the condition inspection and asset forward expenditure programme prepared by Opus International Consultants in 2017. Note that it does not include allowance for the planned extension and this will be incorporated into the next version of this plan.

Selwyn Aquatic Centre Renewal & Cyclical Maintenance Requirements

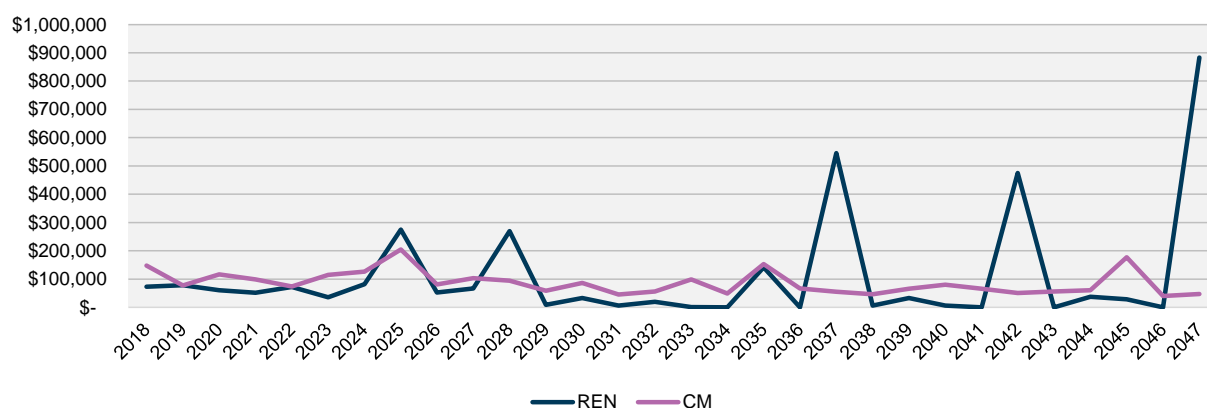


Figure 12-19: SAC Cyclical Maintenance & Renewal Forecast

Projections indicate that there will be requirements for renewal work during this period as assets reach the end of their useful lives. The main asset components requiring renewal are pool plant and equipment such as pumps, filters and pool covers and also building components (floor surfaces). A programme has been included to extend the life of Darfield Pool given that the pool tank and some plant equipment is nearing the end of economic life. However this is viewed as an interim measure as there is a longer term need to review the provision of pool facilities for this locality to meet future requirements.

Depreciation

Swimming Pool assets are depreciated on a straight line basis. Horticultural features (soft landscape assets) are not depreciated and are renewed through annual maintenance programmes. Forecast depreciation requirements over the next 10 years are identified in the table below, based on the current valuation and asset additions from projected capital programmes.

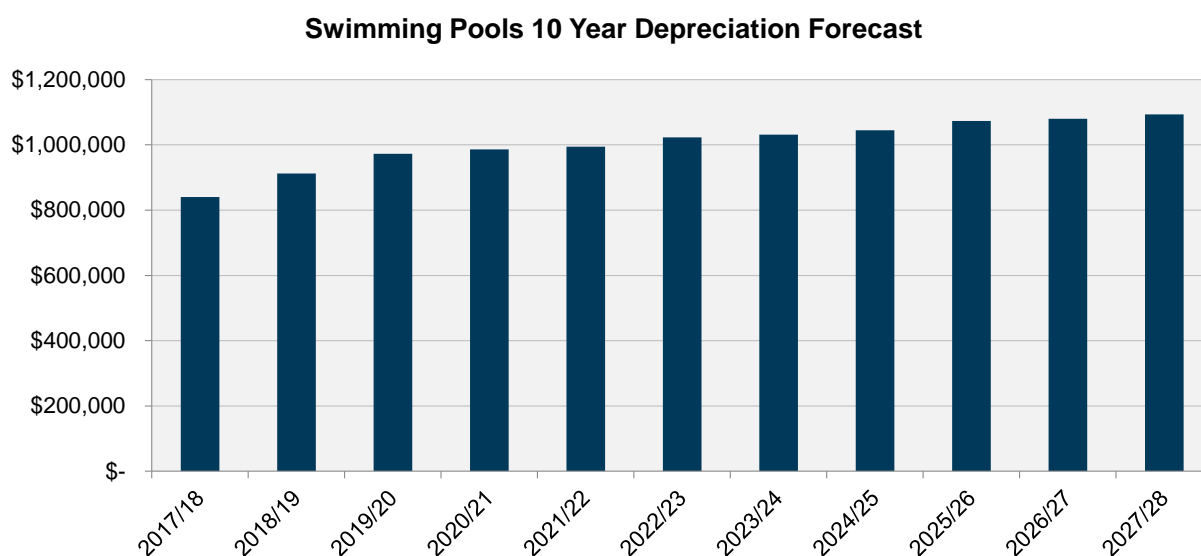


Figure 12-20: Swimming Pools 10 Year Depreciation Forecast

12.4.6 New Asset Requirements

New capital assets for swimming pools may be required in response to the following:

- Addressing performance gaps in the current levels of service
- Developing new facilities to meet demand
- Meeting increases in levels of service
- Providing new technologies or innovations to improve efficiency/sustainability

As discussed in the Capacity and Demand sections there is a significant deficit in provision of pool space for the current population and this situation will be exacerbated over time as a result of forecast population growth. The demand for learn to swim programmes at the SAC has exceeded expectations and there is pressure on available space for all swimming and aquatic activities.

In addition there are already service standard issues with some existing facilities that indicate the need for further capital investment for improvements.

The Council has, over the last three years, invested in improving facilities at a number of pools. This has included the development of new change facilities at both Southbridge and Sheffield Pools. Council will continue to invest in improving levels of service in the existing pool network and especially the sub-district pool facilities at Darfield and Southbridge although much of this work has now been completed or is planned for 2017/18. With a review of Darfield Pool facilities pending there are only minor improvement works proposed over the next 10 years. Some of the improvement works will occur as part of renewal programmes that will improve water quality.

The key new asset requirement proposed in this plan is the extension to the Selwyn Aquatic Centre. The proposal includes:

Extension to SAC with a programme pool & admin (total area of 1,174m²)

- 25 x 20m pool (8 lanes) with 2.5min clearance all sides, nominal 0.5 wet deck. Ramp to 0.9m depth
- Pool plant room
- Pool equipment storage
- Learn to swim office (3 person)
- Multipurpose room (Marshalling / Meeting)
- Staff room and change
- Family change rooms x 6
- ACC change room
- Poolside WC
- Poolside showers (one adult showers and two child shower)
- AHU plant room (outdoor area)
- Other misc. plant (EDB cupboards, underfloor heating cupboards etc.)

Dry recreation Facility (350m²)

- Cardio room
- Programme rooms x2
- Massage/physio room
- Storage/cleaners space
- Change rooms

Café (199m²)

- Served
- Seating area
- Kitchen
- Storage/waste
- Outdoor seating

This is primarily a growth related project to address capacity deficits and future demand but has some elements of meeting gaps in levels of service particularly with the café and fitness centre aspects of the proposal.

Prioritisation and Timing

In order to determine prioritisation and subsequent timing for the provision of new capital assets a number of factors have been taken into consideration.

Where partnering opportunities are presented, timing may be influenced by the partner's funding streams which could see projects advanced or deferred depending on the specific situation.

Prioritisation of new capital items has involved consideration of the following criteria:

- Customer preferences identified through the Aquatic Facilities Plan Review and LTP/Annual Plan consultation processes
- Facilities where significant deficiencies in LOS exist
- Growth and demand information
- Technical assessments e.g. Swimming Pools Operational Audit
- Benefits likely to accrue from partnering opportunities
- Funding availability

- Risk factors

Selection and Design

Service, functionality, price, availability, reliability, aesthetics, safety, sustainability and maintenance requirements are assessed when consideration is given to creating or acquiring new assets. SDC design standards are required to be followed with all new capital development work.

Where new facilities are being considered the Council will engage the services of specialist consultants to develop designs. With the new facilities planned it is intended that the emphasis for design and materials will be on functionality, efficiency and sustainability but also ensuring building interiors and exteriors are attractive.

CPTED principles are also used as a basis for decision-making on design particularly in relation to safety requirements.

Integration of sustainable or green building principles into designs for swimming pool facilities and assets is part of the design process. Specialist advice is sought to ensure the most suitable heating system is installed to meet energy efficiency, performance and operating requirements.

In developing a design for the Selwyn Aquatic Centre extension, emphasis will be placed on functionality, service performance, efficiency of operation and aesthetics as well as meeting capital budget limitations. Selection of design options also considered the length of the pay-back period through operational savings/efficiencies from capital investment.

Forecast New Capital Assets Costs

It is planned to upgrade existing facilities to address levels of service issues. These capital projects will allow Council to provide the desired service level standards and to meet the needs of additional growth and demand requirements that are forecast to occur.

It is important that the level of provision of swimming pools is realistic and affordable for communities. The Council needs to demonstrate responsible leadership in providing the necessary community facilities balanced against the capability of residents to meet capital and on-going operational costs.

Forecast new capital asset expenditure for swimming pools is listed in Table 12-29 below.

New Capital Projects	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
New Capital Growth & Demand	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
SAC - Structure Envelope	86,287	0	0	0	0	0	0	0	0	0	0
SAC - Carpark Extension	98,378	0	0	0	0	0	0	0	0	0	0
SAC - Facility Extension Project	250,000	9,280,724	0	0	0	0	0	0	0	0	0
SAC - Café Construction	0	1,085,888	0	0	0	0	0	0	0	0	0
SAC - Dry Recreation Space	0	1,630,658	0	0	0	0	0	0	0	0	0
Total New Capital Growth	434,665	11,997,270	0	0	0	0	0	0	0	0	0
New Capital Improved LOS	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Darfield - Pool Upgrade	0	7,500	9,000	0	0	0	0	0	0	0	0
Darfield - Additional Signage	0	0	0	900	0	0	0	0	0	0	0
Darfield - Sound System	3,000	0	0	0	0	0	0	0	0	0	0
Darfield - Security Cameras	0	5,000	0	0	0	0	0	0	0	0	0
Darfield - Backwash Disposal Sys	0	0	0	0	10,500	0	0	0	0	0	0
SAC - Pool Play Facilities	16,106	15,600	25,600	20,600	20,600	20,600	20,600	20,600	20,600	20,600	20,600
Southbridge - Toddler Pool Upgra	10,476	0	0	0	0	0	0	0	0	0	0
Southbridge - Solar Panel Reloca	5,000	0	0	0	0	0	0	0	0	0	0
Total New LOS Improvement	34,582	28,100	34,600	21,500	31,100	20,600	20,600	20,600	20,600	20,600	20,600
Total New Capital	469,247	12,025,370	34,600	21,500	31,100	20,600	20,600	20,600	20,600	20,600	20,600

Table 12-29: Swimming Pools New Assets – Forecast Costs

12.4.7 Disposal Plan

There are few swimming pool assets identified for disposal with the exception being items that may be removed as part of the renewal programme. There are currently no plans to decommission any of the existing community pools and the current network will be maintained and is likely to be supplemented with additional assets during the planning period. Note that Prebbleton Swimming Pool has been closed and the site returned to the Ministry of Education to enable Prebbleton School to be extended.

Forecast Income/Expenditure Arising from Asset Disposal

Any costs associated with asset disposals are minor and are met through the operational or capital renewal budgets. This generally involves the removal and disposal of items such as old pumps and other pool plant that is no longer serviceable.

Planned income from disposals (if any) is likely to be minimal as, the type of assets being disposed, have limited marketable value.

12.4.8 Sustainable Management

The Council has made a decision to integrate more sustainable management approaches in to the way it works, manages assets and delivers services. It is intended to incrementally introduce sustainable practice where this can be readily achieved as well as incorporating sustainability into decision-making processes.

Approaches to be considered in relation to swimming pools include the following:

Wellbeing	Sustainable Approach
Environmental	Use and selection of materials and products where sustainability is given significant weight in decision-making.
Environmental	Selection of sustainable heating solutions for pool water and pool environments focused on energy conservation.
Environmental	New facilities to consider “green” building principles where these are economically viable, practical to implement and demonstrate genuine benefits.
Environmental	Support facility locations with easy walking and cycling access and provide cycle stands.
Economic	Optimise reception space and services by co-location with other community facilities.
Economic	Provide community facilities that help make townships attractive places to visit and support local businesses.
Economic	Optimise facility affordability by partnering with other agencies where this is feasible.
Economic	Capital investment options consider “pay back” periods for operational savings.
Social	Provide facilities and opportunities for people to engage in physical activities and social interaction to promote health and wellbeing and community connectivity.
Social	Provide a network of pools that meet community aspirations and help to create liveable environments that support stable and strong communities into the future.
Social	Support other community agencies such as schools in providing places for children to learn to swim.
Social	Support volunteer participation in pool management to engender community involvement and stewardship.

Table 12-30: Swimming Pools Sustainable Management

12.4.9 Risk Management

A risk assessment has been undertaken for swimming pools and this process has identified a number of key risks. Mitigation and action measures to address risks have also been determined. Risk has been considered in the development and prioritisation of forward capital programmes. Risk mitigation measures have been built into maintenance practices, forward expenditure programmes and inspections as required.

Assets have been assessed in terms of criticality (assets which have a high consequence of failure). Pool plant/filter systems and play apparatus have been identified as a critical asset with this service area.

There are three significant risks identified with this activity:

- Compliance with NZS 4441 Swimming Pool user load, turnover period and circulation rate
- Non-compliance with NZS 5826 water quality criteria and frequency of testing of public pools
- Injury or drowning through lack of suitable supervision

Control measures are in place to mitigate these risks and, as a result of the 2016 Health and Safety Audit of Swimming Pools there have been significant improvements to operating procedures particularly with the community pools.

A comprehensive risk assessment is attached to this plan in Annex 12E. Further information on risk management is contained in Section 6 of this plan.

12.5 Financial Programmes Summary

This section provides a summary of financial forecasts for the swimming pools service over the 10 year planning horizon. Additional detail on financial forecasts and projects is contained in Annex 12A and 12B.

12.5.1 Historical Financial Performance

The following graph shows the financial performance for this activity over the last three years. Exceptions noted are:

- 2014/15 opex is marginally over budget (6%) as a result of extra staff costs to cover increased usage of SAC - this is offset by a corresponding increase in revenue.
- 2014/15 income is above budget due to higher than expected use of SAC.
- 2014/15 capex is underspent as a result of some project delays particularly at Southbridge and SAC.
- 2015/16 income is above budget due to higher than expected use of SAC.
- 2015/16 capex is over budget due to additional costs incurred in rebuilding the changing facilities at Southbridge Pool.
- 2016/17 revenue is below target mainly as a result of lower than expected swim school and programme revenue.
- 2016/17 capex is under budget mainly due to the SAC carpark project not being completed and extending into 2017/18.

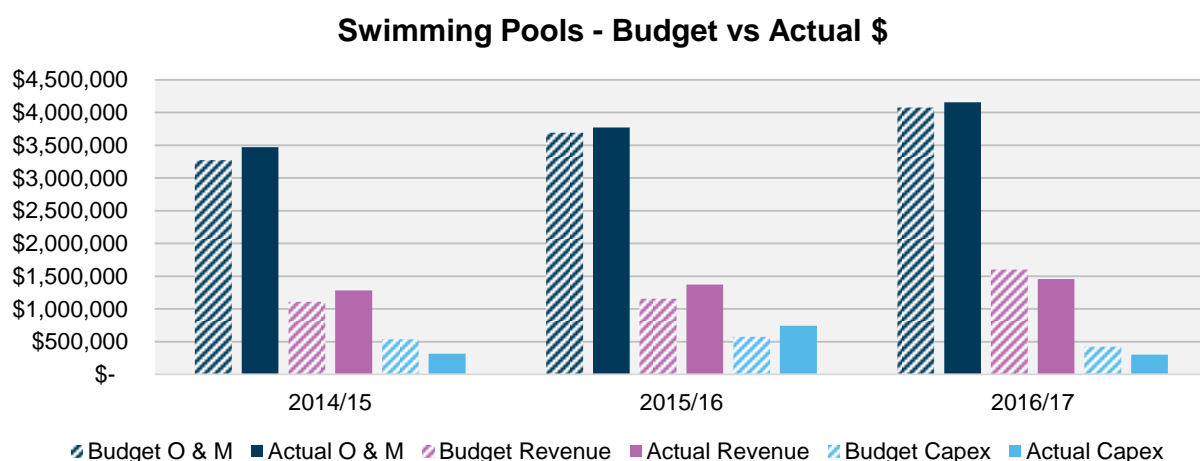


Figure 12-21: Swimming Pools - Budget vs Actual \$

12.5.2 Operations and Capital

Financial Summary	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Operating											
Total Operating Revenue	1,560,875	1,561,800	2,122,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600
Total Opex	3,481,383	3,682,749	4,380,265	4,670,065	4,736,808	4,801,677	4,872,944	4,947,970	5,022,774	5,099,057	5,178,989
Total Opex Projects	189,301	156,380	193,810	115,580	111,660	152,850	212,460	266,530	134,110	128,560	151,260
Operating Surplus/Deficit	2,109,809	2,277,329	2,451,475	2,610,045	2,672,868	2,778,927	2,909,804	3,038,900	2,981,284	3,052,017	3,154,649
Capital											
Capital Renewals	171,273	101,050	301,600	72,000	117,250	66,400	93,550	291,300	70,750	96,800	308,600
New Capital - Improved LOS	34,582	28,100	34,600	21,500	31,100	20,600	20,600	20,600	20,600	20,600	20,600
New Capital - Growth	434,665	11,997,270	0	0	0	0	0	0	0	0	0
Total Capex	640,520	12,126,420	336,200	93,500	148,350	87,000	114,150	311,900	91,350	117,400	329,200

Table 12-31: Swimming Pools Financial Summary

The graph below sets out the summary forecast for total expenditure (operations and capital) for the 10 year planning period and shows the current year's budget (2017/18).

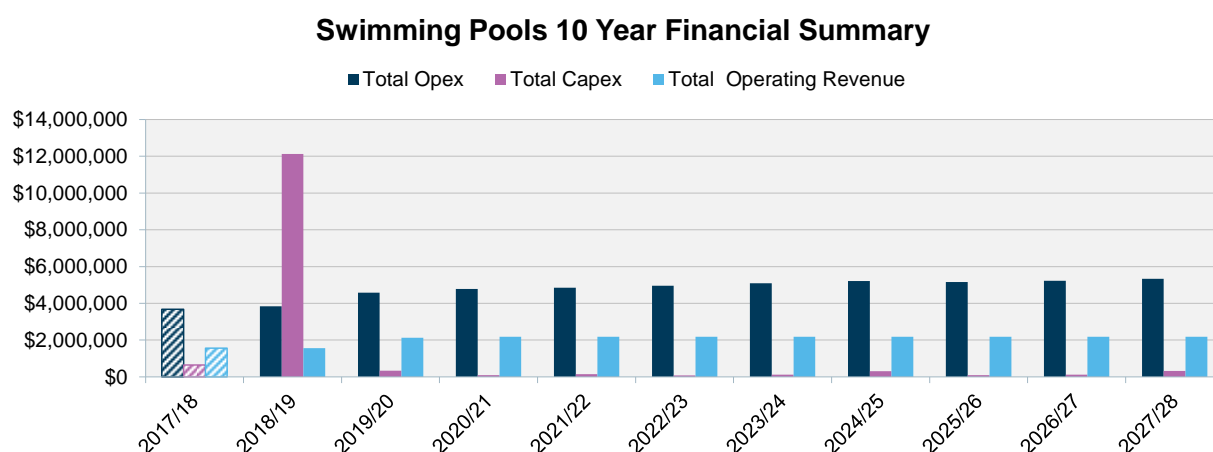


Figure 12-22: Swimming Pools 10 Year Expenditure Summary

Swimming Pools Key Financial Projects/Programmes

Location / Facility	Project Description	Timing	\$	Comment
Selwyn Aquatic Centre	Facility Extension	2018-19	9.28m	Based on current concepts
Selwyn Aquatic Centre	Café Development	2018-19	1.09m	Based on current concepts
Selwyn Aquatic Centre	Dry Recreation Space	2018-19	1.63m	Based on 350 m ² space
Selwyn Aquatic Centre	Asset Renewals	2018 - 2027	1.04m	Plant and equipment
Darfield	Asset Renewals	2018 - 2027	342.5k	Plant and equipment, tank re-lining
Southbridge	Asset Renewals	2018 - 2027	90k	Plant and equipment

Table 12-32: Swimming Pools Key Financial Projects/Programmes

12.5.3 Funding

Community Pools

Funding of community pools is based on a combination of rating methodologies. 50% of operating costs are funded from general rates to recognise the broader public good of this service. In addition a three zone targeted (concentric) rating model is applied that is determined by the proximity of properties to swimming facilities. This is considered to be the fairest way of apportioning pool operating costs across the district. The three zone rating system is based on reserve rating areas, with current rates of \$124, \$87, and \$31 that reflect the level of access to the both SAC and existing community pools.

Operating Expenses (excluding depreciation) – Funded from a combination of targeted (concentric) rates, general rates (50% of operating expenses) and admission charges. Users of swimming pools are the direct beneficiaries of this function and are charged entry fees to pools. The targeted rates system recognises the benefits accruing directly to residents based on their proximity and accessibility to a pool and the general rate component recognises the wider community benefit of the community pools network.

Capital Expenses - Funded from a combination of targeted rates and internal loans. Residents who have access to a community pool are the beneficiaries of this function and capital costs are, therefore, payable based on proximity to pools via rates derived from the concentric rating system. Grants and loans may also be used.

District Swimming Pool

This applies to the Selwyn Aquatic Centre.

Operating Expenses (excluding depreciation) – 100% funded from a targeted rate based on a concentric rating system and admission charges. Concentric rating systems are designed in a manner that ratepayers pay a greater share of the costs the closer their property is located to a district pool. The benefits of this function are to the district community.

User revenues (mainly admission charges) are estimated to cover approximately 50% of operating costs for the district pool (including loan repayment costs).

Capital Expenses – Funded from a combination of the pools rate and internal loans. Both the concentric rate and the admission charges are used to fund annual loan repayments, which are normally for a 20-25 year period.

District Wide Swimming Pool Operating Expenses (Support Services)

These are 100% funded from general rates to recognise the wider district use and benefits of swimming pools.

Annex 12A

Focus Group “H Form” - Swimming Pools

POSITIVES

(Why you score service high)

AVERAGE SATISFACTION SCORE

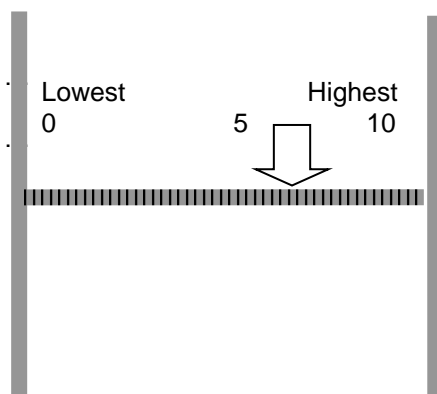
(How do you rate this service - scale 1-10)

NEGATIVES

(Why you score service low)

Lowest: 2 **Average: 6.7** Highest: 10

- Overall maintenance is good
- Excellent (Rolleston)
- Council is supporting pool access
- Upgrades to Southbridge
- Southbridge is well maintained, essential part of the community



- Lifeguards and costs associated are unsustainable (Sheffield Pool)
- Lack of buses restricts access
- Payment community gas to Rolleston
- Country pools require extra funding
- Country pools need repair
- Pools being uncovered
- Pool rates going to Selwyn Aquatic Centre and not local pools
- Allocation of lifeguard

Feedback on costs:

- ☐ I would support increased spending on this service to achieve a higher service level - 1
- ☐ I think the expenditure is about right - 6
- ☐ I think the service levels could be reduced to save on costs - 1
- ☐ No comment

Suggestions for Improvement (*Group Discussion*)

- Learning to swim is really important – pools within proximity of people are therefore important
- Do not close Sheffield pool
- A bus service district wide required for pools
- Council to pay for lifeguards, not local areas who have pools
- Local pools to receive more support for the increased cost of lifeguards (2)
- Important to ensure adequate pools near where people live
- Increase support to school pools in smaller centres
- Re-allocate funds in budget to local/country pools
- Kirwee pool development
- Focus more on local pool development
- Open longer hours at Southbridge pool

Annex 12B

Swimming Pools 10 Year Financial Forecast – Summary

Swimming Pools 10 Year Financial Forecast – Summary

	Budget 2017/18	Forecast 2018/19	Forecast 2019/20	Forecast 2020/21	Forecast 2021/22	Forecast 2022/23	Forecast 2023/24	Forecast 2024/25	Forecast 2025/26	Forecast 2026/27	Forecast 2027/28	10 Yr Total
Operating Revenue												
Operating Revenue	1,560,875	1,561,800	2,122,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	21,089,200
Total Operating Revenue	1,560,875	1,561,800	2,122,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	2,175,600	21,089,200
Opex												
Staff Costs	0	0	0	0	0	0	0	0	0	0	0	0
Other Operating Expenditure												
Routine Maintenance & Operations	2,712,051	2,642,480	3,040,366	3,331,609	3,405,423	3,481,311	3,559,328	3,639,535	3,721,996	3,806,779	3,893,955	34,522,782
Loan Interest Costs	419,146	641,279	934,579	920,929	906,579	891,529	875,729	859,129	841,704	823,404	804,179	8,499,040
District Wide Operating Costs	12,885	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	125,000
Total Other Operating Expenditure	3,144,082	3,296,259	3,987,445	4,265,038	4,324,502	4,385,340	4,447,557	4,511,164	4,576,200	4,642,683	4,710,634	43,146,822
Support Costs	337,301	386,490	392,820	405,027	412,306	416,337	425,387	436,806	446,574	456,374	468,355	4,246,476
Operating Projects												
Scheduled Maintenance Projects	171,301	141,380	157,060	100,580	96,660	116,100	197,460	211,530	97,360	113,560	136,260	1,367,950
Asset Management Projects & Plans	3,000	0	21,750	0	0	21,750	0	40,000	21,750	0	0	105,250
Community Pool Grants	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Total Operating Projects	189,301	156,380	193,810	115,580	111,660	152,850	212,460	266,530	134,110	128,560	151,260	1,623,200
Total Opex	3,670,684	3,839,129	4,574,075	4,785,645	4,848,468	4,954,527	5,085,404	5,214,500	5,156,884	5,227,617	5,330,249	49,016,498
Operating Surplus/Deficit (excl. deprn)	2,109,809	2,277,329	2,451,475	2,610,045	2,672,868	2,778,927	2,909,804	3,038,900	2,981,284	3,052,017	3,154,649	27,927,298
Depreciation												
Depreciation	840,000	911,835	972,390	985,720	994,131	1,022,808	1,031,195	1,044,872	1,073,170	1,080,187	1,093,602	10,209,910
Operating Surplus/Deficit (incl. deprn)	2,949,809	3,189,164	3,423,865	3,595,765	3,666,999	3,801,735	3,940,999	4,083,772	4,054,454	4,132,204	4,248,251	38,137,208
Capex												
Capital Renewals	171,273	101,050	301,600	72,000	117,250	66,400	93,550	291,300	70,750	96,800	308,600	1,519,300
New Capital - Improved LOS	34,582	28,100	34,600	21,500	31,100	20,600	20,600	20,600	20,600	20,600	20,600	238,900
New Capital - Growth	434,665	11,997,270	0	0	0	0	0	0	0	0	0	11,997,270
Total Capex	640,520	12,126,420	336,200	93,500	148,350	87,000	114,150	311,900	91,350	117,400	329,200	13,755,470
Capital Revenue												
Development Contributions	0	0	0	0	0	0	0	0	0	0	0	0
Vested Assets	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Total Capital Revenue	0	0	0	0	0	0	0	0	0	0	0	0
Growth Opex	0	0	687,682	274,066	0	0	0	0	0	0	0	961,748

Annex 12C

Swimming Pools 10 Year Financial Forecast and Projects

District Wide Pool

- Selwyn Aquatic Centre (SAC)

Sub District Pools

- Darfield Pool
- Southbridge Pool

Community Pools

- Leeston Learners Pool
- Sheffield Pool
- Halkett Pool (covered under Community Centres and Halls)
- Killinchy Pool (covered under Community Centres and Halls)

Swimming Pools 10 Year Financial Forecast – District Wide Pool (Selwyn Aquatic Centre)

Selwyn Aquatic Centre Financial Summary	Funding	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Revenue											
Revenue (excluding targeted rate)		1,522,300	2,083,100	2,136,100	2,136,100	2,136,100	2,136,100	2,136,100	2,136,100	2,136,100	2,136,100
Routine O & M											
Total Routine O & M	T/E	1,765,856	1,866,938	2,168,304	2,252,896	2,340,173	2,430,241	2,523,206	2,619,157	2,718,204	2,820,467
Interest Costs on Loan	T/E	641,279	934,579	920,929	906,579	891,529	875,729	859,129	841,704	823,404	804,179
Scheduled Maintenance											
Planned O & M	T/E	77,680	116,560	98,980	73,860	114,500	125,960	204,530	80,660	102,980	94,660
Total Opex		2,484,815	2,918,077	3,188,213	3,233,335	3,346,202	3,431,930	3,586,865	3,541,521	3,644,588	3,719,306
Renewals											
Pool Plant & Equipment	TF	22,000	25,000	15,000	15,000	15,000	33,000	16,000	15,000	15,000	15,000
Fittings and Equipment Rene	TF	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000
Main Pool tile repairs	TF	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Renewals - External doors	TF	0	0	0	0	0	0	6,300	0	0	0
Renewals - Carpet	TF	15,000	0	0	0	0	0	27,000	0	0	0
Renewals - Matwell	TF	20,000	0	0	0	0	0	6,800	0	0	0
Renewals - Hand dryers	TF	0	0	0	5,200	0	0	0	0	0	0
Renewals - Pool seating	TF	0	0	0	0	0	0	5,700	0	0	0
Renewals - Change rm seatin	TF	0	0	0	0	0	0	4,200	0	0	0
Renewals - Internal lightin	TF	0	0	0	20,300	0	0	0	0	0	0
Renewals - poolside grates	TF	0	0	0	10,900	0	0	0	0	0	0
Renewals - Air Conditioners	TF	0	0	0	0	0	27,500	0	0	0	0
Renewals - Lint Pot Straine	TF	0	7,300	0	0	0	0	0	0	0	0
Renewals - Chemical Dosing	TF	0	0	0	0	0	0	0	16,500	0	0
Renewals - Spouting	TF	0	0	0	0	0	0	0	0	14,900	0
Renewals - Traxite Floor Coat	TF	0	0	0	0	0	0	0	0	0	171,500
HVAC Mechanical/Plant	TF	0	0	15,600	0	0	0	32,300	0	15,600	61,900
Pool Water Mechanical/Plant	TF	0	7,300	0	0	0	0	155,500	0	0	0
Capital - LOS Improvement											
Pool Play Facilities	TF	15,600	25,600	20,600	20,600	20,600	20,600	20,600	20,600	20,600	20,600
Capital - Growth											
Facility Extension Project	TF	9,280,724	0	0	0	0	0	0	0	0	0
Café Construction	TF	1,085,888	0	0	0	0	0	0	0	0	0
Dry Recreation Space	TF	1,630,658	0	0	0	0	0	0	0	0	0
Total Capex		12,090,870	86,200	72,200	93,000	56,600	102,100	295,400	73,100	87,100	290,000

Swimming Pools 10 Year Financial Forecast – Sub-District Pools (Darfield, Southbridge)

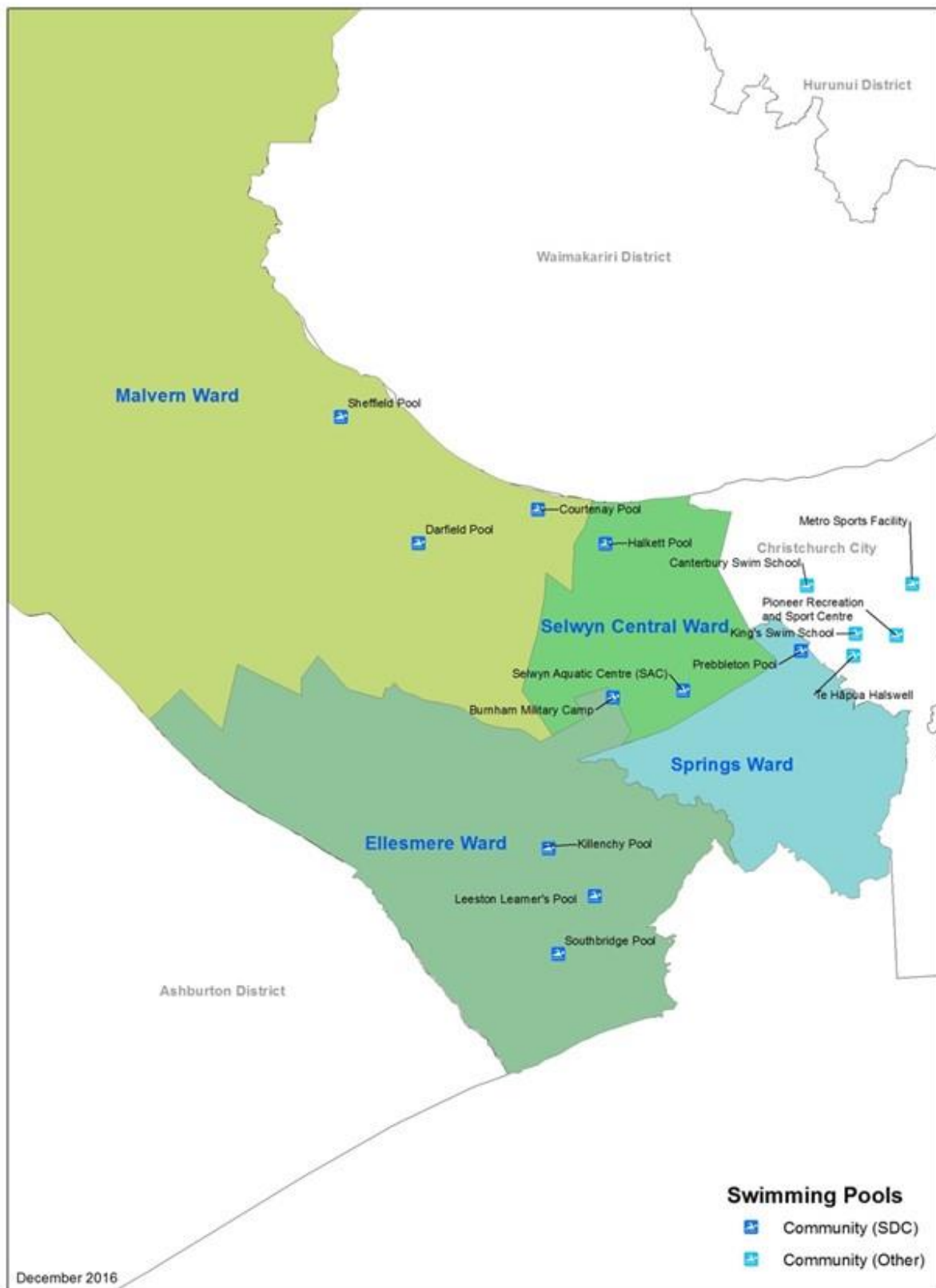
Sub-District Pools Financial Summary	Funding	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Revenue											
Revenue (excluding targeted rate)		33,400	33,400	33,400	33,400	33,400	33,400	33,400	33,400	33,400	33,400
Routine O & M											
Total Routine O & M	TF/GFE	193,491	196,465	199,461	202,497	205,607	208,792	212,054	215,396	218,822	222,333
Scheduled Maintenance											
Darfield - Repaint learners	TF	0	8,500	0	0	0	8,500	0	0	0	8,500
Darfield - Paint Main Pool	TF	0	20,000	0	0	0	20,000	0	0	0	20,000
Darfield - External Painting	TF	0	5,500	0	0	0	0	0	0	0	5,500
Darfield - Floor Finishes	TF	0	0	0	2,250	0	0	0	0	2,250	0
Darfield - Internal Painting	TF	0	0	0	5,500	0	0	0	0	5,500	0
Darfield - Pool Development Feasibility	TF	25,000	0	0	0	0	0	0	0	0	0
Darfield - Change Room Doors	TF	0	0	0	0	0	0	0	0	830	0
Darfield - Repair of Covers - Big Pool	TF	1,100	0	0	0	0	0	0	0	0	0
Southbridge - Exterior Lighting	TF	1,100	0	0	0	0	0	0	0	0	0
Southbridge - Repair Joints Hydroslide	TF	20,000	0	0	0	0	0	0	0	0	0
Southbridge - Buildings - External Painting	TF	0	0	0	0	0	12,500	0	0	0	0
Southbridge - Buildings - Internal Painting	TF	0	0	0	0	0	11,000	0	0	0	0
Southbridge - Changeroom Floor Surface	TF	0	0	0	3,500	0	0	3,500	0	0	3,500
Southbridge - Pool - Paint and Seal	TF	0	3,000	0	0	0	3,000	0	0	0	3,000
Total Opex		47,200	37,000	0	11,250	0	55,000	3,500	0	8,580	40,500
Renewals											
Darfield - Replace Pool Filter	TF	0	125,000	0	0	0	0	0	0	0	0
Darfield - Replacement/Maintenance of Filter	TF	0	7,500	0	0	0	0	9,000	0	0	0
Darfield - Chemical Tanks	TF	0	3,250	0	0	0	0	0	0	0	0
Darfield - Pool - Controls	TF	0	8,000	0	0	1,100	0	0	0	0	0
Darfield - Pool - Covers Main Pool	TF	0	0	0	16,500	0	0	0	0	0	0
Darfield - Pool - Ladders	TF	0	2,750	0	0	0	0	0	0	0	0
Darfield - Pool - Pumps	TF	0	4,500	0	0	0	0	0	0	1,000	2,000
Darfield - Pool - Valves	TF	0	14,500	0	0	0	0	0	0	0	0
Darfield - Pool - Leak Repairs	TF	0	0	0	2,250	0	0	0	0	0	0
Darfield - Asphalt/Sealed Areas	TF	0	0	11,000	0	0	3,250	0	0	0	0
Darfield - Fences - Corrugated Iron	TF	0	0	1,100	0	0	0	0	0	0	0
Darfield - Timber Pergola	TF	0	0	0	0	1,100	0	0	0	0	9,700
Darfield - Concrete Slab - Renew Secti	TF	5,000	0	0	0	0	0	0	0	0	0
Darfield - Transformer for Boiler	TF	550	0	0	0	0	0	0	0	0	0
Darfield - Renew Gates	TF	0	0	0	0	0	3,000	0	0	0	0
Darfield - Pool Tank Lining	TF	0	70,000	0	0	0	0	0	0	0	0
Darfield - Water Heating Plant	TF	0	0	0	0	6,500	0	2,500	0	0	0
Darfield - Shade Sail replacement	TF	10,000	0	0	0	0	0	0	0	0	0
Darfield - Office Floor Covering	TF	0	0	0	0	0	0	0	1,650	0	0
Darfield - Main stand seating	TF	0	0	0	0	0	0	0	0	19,800	0
Southbridge - Pool - Chemical Dosing Equi	TF	0	0	0	6,000	0	0	0	6,000	0	0
Southbridge - Pool - Chemical Tanks	TF	0	0	0	0	0	0	0	10,000	0	0
Southbridge - Pool - Controls	TF	2,000	2,200	0	0	2,200	0	0	0	0	3,000
Southbridge - Pool - Covers	TF	0	0	0	0	18,500	0	0	0	0	18,500
Southbridge - Pool - Pumps	TF	0	0	0	0	1,000	0	3,000	0	0	0
Southbridge - Pool - Valves	TF	0	0	0	6,000	0	0	0	0	0	0
Southbridge - Signage	TF	0	0	500	0	0	500	0	0	500	0
Capital - LOS Improvement											
Darfield - Pool Upgrade	TF	7,500	9,000	0	0	0	0	0	0	0	0
Darfield - Additional Signage	TF	0	0	900	0	0	0	0	0	0	0
Darfield - Security Cameras	TF	5,000	0	0	0	0	0	0	0	0	0
Darfield - Backwash Disposal System	TF	0	0	0	10,500	0	0	0	0	0	0
Capital - Growth											
		0	0	0	0	0	0	0	0	0	0
Total Capex		30,050	246,700	13,500	41,250	30,400	6,750	14,500	17,650	21,300	33,200

Swimming Pools 10 Year Financial Forecast – Community Pools (Leeston Learners Pool, Sheffield Pool)

Community Pools Financial Summary	Funding	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
Revenue											
Revenue (excluding targeted rate)		6,100	6,100	6,100	6,100	6,100	6,100	6,100	6,100	6,100	6,100
Routine O & M											
Total Routine O & M	TF/GFE	41,854	42,384	42,915	43,451	44,002	44,566	45,146	45,739	46,349	46,976
Scheduled Maintenance											
Leeston - Paint Pool External Surround	TF	0	0	0	1,000	0	0	0	0	1,000	0
Leeston - External Painting	TF	0	0	0	550	0	0	0	0	550	0
Leeston - Floor Finishes - Paint Finish	TF	0	0	0	0	1,100	0	0	0	0	1,100
Leeston - Internal Painting	TF	0	0	0	0	0	0	0	1,000	0	0
Leeston - Pool - Paint	TF	0	3,500	0	0	0	0	3,500	0	0	0
Leeston - Fence Repairs	TF	0	0	1,100	0	0	0	0	0	0	0
Leeston - Security Cameras	TF	0	0	0	0	500	0	0	0	0	0
Leeston - Replace Door	TF	0	0	0	0	0	0	0	0	450	0
Sheffield - Floor Finishes - Paint Finish	TF	0	0	500	0	0	0	0	0	0	0
Sheffield - Pool - Paint	TF	16,500	0	0	0	0	16,500	0	0	0	0
Sheffield - Reline Pool Tank	TF	0	0	0	10,000	0	0	0	0	0	0
Sheffield - External Painting	TF	0	0	0	0	0	0	0	7,200	0	0
Sheffield - Internal Painting	TF	0	0	0	0	0	0	0	8,500	0	0
Total Opex		16,500	3,500	1,600	11,550	1,600	16,500	3,500	16,700	2,000	1,100
Renewals											
Leeston - Pool - Covers	TF	0	0	0	3,000	0	0	0	0	0	3,000
Leeston - Pool - Valves	TF	0	0	0	0	0	0	2,000	0	0	0
Leeston - Signs	TF	0	0	600	0	0	0	0	600	0	0
Leeston - Pool Filter Replacement	TF	0	0	3,500	0	0	0	0	0	0	0
Leeston - Shower Replacement	TF	0	0	0	0	0	2,300	0	0	0	0
Leeston - Chemical Dispenser	TF	0	0	0	0	0	0	0	0	0	3,000
Leeston - Skimmer Replacement	TF	0	3,300	0	0	0	0	0	0	0	0
Leeston - Pool Pump	TF	0	0	0	0	0	3,000	0	0	0	0
Sheffield - Pool - Chemical Dosing Equi	TF	0	0	1,500	0	0	0	0	0	0	0
Sheffield - Pool - Covers	TF	0	0	0	9,000	0	0	0	0	9,000	0
Sheffield - Pool - Cleaning Equipment	TF	5,500	0	0	0	0	0	0	0	0	0
Sheffield - Pool - Valves	TF	0	0	2,200	0	0	0	0	0	0	0
Sheffield - Pool - Skimmers & Nozzles	TF	0	0	0	2,100	0	0	0	0	0	0
Capital - LOS Improvement											
		0	0	0	0	0	0	0	0	0	0
Capital - Growth											
		0	0	0	0	0	0	0	0	0	0
Total Capex		5,500	3,300	7,800	14,100	0	5,300	2,000	600	9,000	6,000

Annex 12D

Community Swimming Pool Locations



Swimming Pools - Community Pools



Annex 12E

Swimming Pools Risk Management

Risk Identification and Assessment For Public Pools

Jan-18

Asset Category	Risk	Core Value	Area of Impact							Risk Rating			Current Controls	Future Control Action	
			Reputation	Health & Safety	Environmental	Legal	Loss of Service	Financial Cost	Loss of Income	Max. Consequence	Likelihood	Rating			SDC Grade
Assets	Damage to building from vandalism including graffiti	Asset Protection	1	1	1	1	1	1	1	1	4	4	L	Reactive repairs, security lighting (some), security cameras (some), graffiti response policy	Continue current controls & consider vandal resistant designs/ fittings for new , upgrade & renewal work
	Damage or loss of building by fire or intentional act	Asset Protection	3	1	1	1	5	5	1	5	1	5	L	Fire Compliance for BWOF where required. Fire fighting equipment provided	Continue current controls
	Building damage or loss from natural disaster e.g. earthquake or extreme weather event	Asset Protection	1	5	1	1	4	4	4	5	2	10	M	Design to Building Codes. Insurance for facilities	Continue current controls
	Building does not meet Building Code and Regulation requirements including back flow prevention	Legal Compliance	2	2	1	2	1	1	1	2	5	10	M	Building work is rectified as part of building consent process for upgrades and renewals. Backflow installation programme implemented	Continue current controls
	Failure of pool assets from poor condition	Asset Protection	3	1	1	1	3	1	1	3	2	6	L	Condition assessments undertaken on 3 yearly cycle & used as basis for renewal & planned maintenance programmes. Cyclical maintenance programmes in place & reactive repairs as required	Continue current controls & identify failure modes and continually develop optimised maintenance and renewal programmes as part of AM Plan reviews
	Failure of building/building components from poor design/construction	Asset Protection	3	2	1	1	4	2	1	4	1	4	L	Process for design selection including quality control for new, upgrade & renewal works. Formal contracts in place for larger projects with weighted attribute system for contractor selection.	Continue current controls & provide additional technical advice to committees on design and construction processes
	Pool facilities are unavailable/closed because of asset failure	Availability	3	2	2	1	4	3	1	4	1	4	L	Inspections & reporting via maintenance/operating processes. Annual pre-season audit undertaken by SAC Plant operator. Renewal & maintenance plans in place & reactive repairs carried out as required	Continue current controls and include formal engineering inspections on an annual basis to assess critical assets
	The level of utilisation of pool facilities is insufficient to warrant continued provision	Utilisation	2	1	1	1	1	2	2	2	4	8	M	Utilisation data obtained from pools at the end of each season	Analyse utilisation data to identify issues and develop strategies to address these on a priority basis
Management	The required resource consents have not been obtained or conditions have not been met	Legal Compliance	2	1	3	3	1	1	1	3	2	6	L	Advice from ECAN or SDC planners	Check consents & ensure process in place to monitor condition requirements
	Prosecution of Council under the Health & Safety at Work Act as a result of injury/death to a staff member while working at the pool	Legal Compliance	4	5	1	5	1	1	1	5	1	5	L	Risk registers and Health and Safety Plans for all pools. Health and safety Audit. Accident reporting and investigation via Council's Vault System. Promotion of health and safety culture and induction and on-going training programmes for staff. All electrical equipment tag tested.	Continue current controls and continue to undertake annual audits of facilities
	Swimming Pools are located or operated in a manner that does not respect the cultural sensitivities of Maori	Cultural Sensitivity	3	1	1	1	1	1	1	3	1	3	VL	Resource consent process for discharge etc. involve liaison with Runanga	Continue current controls
	Building and associated facilities cannot be accessed and used by people with disabilities	Accessibility	2	2	1	2	1	1	1	2	3	6	L	Rectified as part of building consent process for upgrades and extensions & all new facilities	Carry out accessibility audit and upgrade access to meet standards on a priority basis
	Pool facilities cannot be easily located and accessed by users	Accessibility	2	1	1	1	1	1	1	2	3	6	L	Some directional signage in place. SDC website has link to SAC information and information on community pool locations, opening hours and contacts	Some enhancement of the website information would be useful
Financial	Substantial and continued labour and materials cost increases for pool operation and maintenance	Affordability	1	1	1	1	1	2	1	2	3	6	L	Long term financial plans include inflation factor. Operating efficiencies built into design of new or upgraded facilities	Continue current controls
	Potential for cash to go missing when handled at community pools	Legal Compliance	2	1	1	4	1	2	2	4	2	8	M	Cash handling procedures in place (require 2 people) & training given.	Continue current controls. Consider audit
	Pools admission charges are unaffordable to the Community	Affordability	2	1	1	1	1	3	1	3	2	6	L	Pool committees set charges to recover a portion of annual operating costs. SAC charges based on fee structure for similar facilities.	Continue current controls & regularly benchmark fees against other similar facilities.

	Risk	Core Value	of Impact		Risk Rating								Current Controls	Future Control Action	
			Reputation	Health & Safety	Environmental	Legal	Loss of Service	Financial Cost	Loss of Income	Max. Consequence	Likelihood	Rating			SDC Grade
	Injury or loss of life from building fire	Safety & Security	4	5	1	5	1	1	1	5	1	5	L	Fire evacuation schemes, procedures, notices and signage in place. Fire evacuation guide prepared for pools and policy for safety officer to be appointed by the pools to manage fire evacuation requirements. Regular inspection of fire fighting equipment. IQP inspections, Building WOF for some	Comprehensive fire compliance monitoring required on a regular basis and process to maintain records
	Injury to facility user from equipment or asset failure	Safety & Security	3	4	1	5	1	1	1	5	1	5	L	Regular inspections by pool operators to ensure pool environment is safe. Asset renewal at programmes to trigger replacement when assets reach 'poor' condition	Continue current controls and formalise daily inspections as part of Pool Standard Operating Procedures. Arrange for annual engineering inspection of assets with high risk e.g. hydroslide at Southbridge Pool
	Injury to a contractor working on the site	Safety & Security	3	4	1	5	1	1	1	5	1	5	L	Approved maintenance contractors to be used that are "SiteWise" accredited. Site Specific Health & Safety Plans required for project work	Continue current controls
	Injury to facility user/visitor (tripping/falling hazards etc.)	Safety & Security	3	4	1	5	1	2	1	5	3	15	H	Inspections carried out by pool operators. All potential risks identified and mitigation actions taken. All incidents (including near misses) recorded and reported in Vault system and follow up actions noted. Programme to repair/replace pool aprons. Signage in place to inform on safe use of the pool. SAC has Poolsafe accreditation.	Continue current controls and undertake an annual inspection prior to the commencement of each swimming season and undertake repairs as required. Implement and maintain accreditation with ACC PoolSafe scheme for district & sub-district pools
	Compliance with NZS 4441 Swimming Pool user load, turnover period and circulation rate	Legal Compliance	2	3		4	2	3	1	4	5	20	VH	Water testing regimes are compliant with Standard and testing kits supplied to committees. The SAC Plant Operator is qualified in water treatment practice and checks systems prior to season start and provides support to committees. Some pools have qualified water treatment operators. It is known that filtration systems are inadequate to meet turnover rates at Darfield, Leeston and Southbridge (toddlers pool) and these are planned for upgrades.	Continue current controls & ensure training of qualified Water Treatment operators for all pools. Implement programme to upgrade filtration systems
Health & Safety	Non-compliance with NZS 5826 water quality criteria and frequency of testing of public pools	Legal Compliance	2	3	2	4	2	2	1	4	5	20	VH	Water testing regimes are compliant with Standard and testing kits supplied to committees. Some pools have qualified water treatment operators. Bacteriological testing undertaken monthly via SAC manager	Continue current controls & train qualified water treatment operators for all pools.
	Non-compliance with Swimming Pools Fencing Act 1987	Legal Compliance	3	2	1	5	2	1	1	5	2	10	M	Fences & gates are regularly inspected for compliance with Pools Fencing of Swimming Pools Act. Fences have been replaced at facilities with compliant structures	Continue current controls & upgrade/renew as required
	Signage does not meet Water Safety Signs Standard and does not provide sufficient information for safe use of facilities	Legal Compliance	5	5	1	5	2	2	1	5	2	10	M	Standardised signage installed at all pools that meets the standard. Signage audited prior to season commencement	Continue current controls & upgrade/renew as required
	Environmental contamination from pool operations (treated water disposal)	Environmental Protection	2	1	3	2	1	2	1	3	3	9	M	Some discharge to sewer where available. Existing practices of discharge to land deemed acceptable.	Review Councils practice on discharging pool waste onto adjoining land following advice from ECAN. Overflow at Darfield to be addressed

	Risk	Core Value	Risk Rating										Current Controls	Future Control Action	
			Reputation	Health & Safety	Environmental	Legal	Loss of Service	Financial Cost	Loss of Income	Max. Consequence	Likelihood	Rating			SDC Grade
	Serious injury, health hazard or death as a result of pool incident.	Safety & Security	5	5	1	5	3	1	3	5	3	15	H	Staff receive regular training and practicing of emergency procedures. Appropriate PPE is provided for staff. First aid equipment is available in an accessible place (e.g. lifeguard bum bag). A risk and incident register is onsite and pool users are aware of how to use it & do so correctly. An EAP and NOP is present. Rescue aids are provided and are in good condition. Information is available about who to contact in an emergency and what to do if the water becomes contaminated with appropriate PPE provided.	Continue current controls and ensure NOPs and EAPs are updated, signage is kept current. Provide ongoing training for staff and pool attendants
Health & Safety	Injury as a result of lack of safe storage of chemicals, or signage advising storage of chemicals is present	Safety & Security	3	4	2	3	1	1	1	4	1	4	L	All facilities housing chemicals are locked & have signage (Hazchem) & MSDS sheets. Most have adequate ventilation and meet storage requirements. Protective equipment is supplied.	Continue current controls and ensure NOPs and EAPs in place. Provide training for caretakers/plant operators and obtain Approved Handler Test Certificate (if required). Rectify ventilation issues.
	Injury or drowning through lack of suitable supervision	Safety & Security	4	5	1	3	3	1	1	5	4	20	VH	Industry standards for pool supervision are achieved through staff lifeguards who are appropriately qualified and trained (SAC, Southbridge, Darfield, Sheffield). No supervision at other pools but have Pool Alone Policy & user responsibility agreement that must be signed before keys/cards issued for access. SAC has Poolsafe accreditation. Pool access is controlled out of hours – gates controlling access are self closing, alarms and/or cameras are present and monitored effectively.	Continue current controls. Implement and maintain accreditation with PoolSafe scheme for district & sub-district pools. Consider closure of pools where adequate supervision cannot be provided
	Health risk to building users from poor sanitation or maintenance	Health and Hygiene	3	4	3	2	1	1	1	4	1	4	L	Regular cleaning and inspection programmes in place.	Continue current controls and review cleaning frequencies to ensure hygiene standards are maintained
	Health risk to users from poor drinking water quality	Health and Hygiene	3	4	1	3	1	1	1	4	1	4	L	All use town water supplies, reliant on Councils testing regimes.	Continue current controls