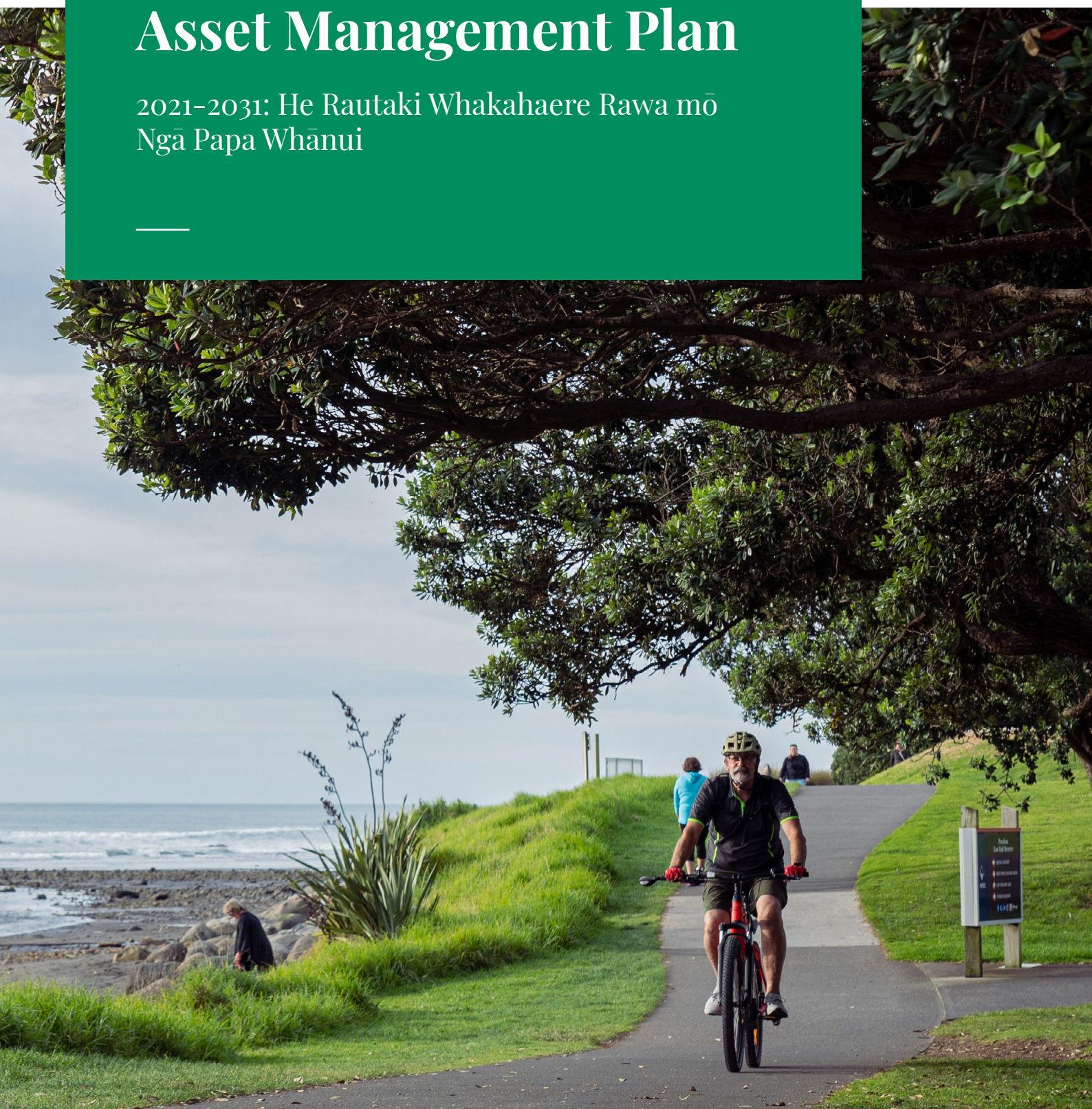




2021–2031 Parks and Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui



2021 – 2031 Parks And Open Spaces Asset Management Plan

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Ngā Papa Whānui

General Volume

He Pukapuka Matua – Ngā Papa Whānui

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I. Executive Summary

This Parks and Open Spaces Asset Management Plan (AMP) outlines how New Plymouth District Council (NPDC or the Council) manages the assets associated with the Council's parks and open spaces asset portfolio, and will contribute to the community outcomes and priorities identified in the 2021-2031 Long Term Plan (LTP). This AMP covers the period from 1 July 2021 to 30 June 2031.

While much of this Parks and Open Spaces AMP focuses upon the next 10 years in alignment with the LTP, asset management planning tends to consider much longer time frames. The majority of the Council's assets have life cycles far greater than 10 years.

The Council's Parks and Open Spaces Service enhances the aesthetic quality of the environment and provides a diverse range of quality recreation and leisure experiences and activities, supporting growth in the New Plymouth district (the district). The Parks and Open Spaces Service also provides spaces for events that support the economy.

Parks and open spaces assets include the district's parks and reserves, walkways (including the Coastal Walkway), playgrounds, and sports grounds. They also include community halls, camping grounds, public toilets, operational cemeteries, the Taranaki Crematorium (the Crematorium), Brooklands Zoo, and outdoor public art and monuments.

The key objectives for the Parks and Open Spaces Service are detailed below:

A. To minimise adverse economic and environmental impacts of activities.

- B.** To improve safety by ensuring that parks and facilities are safe to use.
- C.** To improve communication and provide information and education for customers on Levels of Service, costs and issues.
- D.** To provide quality parks and other facilities.
- E.** To meet the development and growth needs of the district and accommodate any extension of the Council's parks and open spaces assets.
- F.** To reduce costs by monitoring and managing cost drivers to ensure facilities and services are affordable, without compromising safety and quality.
- G.** To provide an acceptable level of resilience in emergency situations.

Key issues for the Parks and Open Spaces Service are detailed below:

1. Poor business processes lead to poor renewal programming, budgeting, and maintenance implementation.
2. As the district grows the impact on parks and open spaces assets increases and the expectation of creating new assets also increases.
3. As the district grows the resources required to meet Levels of Service grows.
4. Existing and growing legal compliance requires additional resources.
5. Climate change has accelerated issues with providing a reliable Level of Service while meeting legislative requirements.

The following Levels of Service that identify key measures and targets for parks and open spaces services have been defined:

- *Maintain quality district parks, reserves and open spaces* –
 - o *The percentage of residents satisfied with the quality of the district's parks and reserves, including the Coastal Walkway and Pukekura Park* – in 2019/20 the target was 95%; however, it was exceeded with 98% of residents being satisfied.
 - o *The percentage of residents satisfied with the quality of the district's urban landscapes and streets* – in 2019/20 the target was 95%. This target was also exceeded with 96% of residents being satisfied.
 - o *The percentage of residents satisfied with the quality of the district's sports parks [grounds]* – in 2019/20 the target was 95%. This target was not reached as 89% of residents were satisfied with the district's sports grounds. The provision of sports grounds is currently affected by Yarrow Stadium being out of action.
 - o *The percentage of residents satisfied with the quality of the district's playgrounds* – in 2019/20 the target was 95%; however, it was exceeded with 96% of residents being satisfied.
 - o *The percentage of Brooklands Zoo visitors satisfied with the zoo (in-house survey)* – in 2019/20 the target was 90%; however, it was exceeded with 100% of residents being satisfied.

- *Maintain access to the district's parks, reserves and open spaces* – in 2019/20 the target for the percentage of households in the district that are within 500m of a park, reserve or neighbourhood open space 71%. This target was exceeded as during this period 84% of households in the district were within 500m of a park.
- *Provide quality public toilets across the district* – in 2019/20 the target for percentage of the community satisfied with the quality of the district's public toilets was 80%. This target was exceeded as 87% of the community was satisfied with the quality of public toilets.

Managing and maintaining the Parks and Open Spaces Service and assets is resource intensive. To sustain current Levels of Service, the existing built asset base will require baseline Operational expenditure (Opex) of approximately \$101.3 million and approximately \$79.2 million Capital expenditure (Capex) for renewals and Level of Service projects over the next 10 years.

The biggest driver of increased demand for all Council services and use of Council assets is population growth. To complement and service the planned growth areas in the district, the Parks and Open Spaces Service requires a number of land purchases and acquisitions to provide parks and open spaces assets within the growth areas over the period of the AMP. To this end, a number of Growth Projects have been identified in this AMP. These projects require Capex of approximately \$5.7 million over the next 10 years.

As at 30 June 2019, the certified fair value of parks and open spaces assets was approximately \$71.4 million.

A number of issues associated with asset management have been identified throughout this AMP. The improvement actions required over the 10 year period of the AMP have been collated. The majority of improvement actions relate to all the AMPs and are therefore included in **Section 10: Asset**

Management Improvement Programme of the **Strategic Asset Management Plan**. Improvement actions that will be monitored and actioned by the Parks and Open Spaces Team are listed in **Section 9: Improvement Plan** of this AMP.

2. Introduction

This Parks and Open Spaces AMP outlines how NPDC manages the assets associated with Parks and Open Spaces. It also demonstrates how the Parks and Open Spaces Service will contribute to the community outcomes and priorities identified in the 2021-2031 LTP.

This AMP has been developed in accordance with the requirements of the Local Government Act 2002 (LGA). It covers the forecast activities and expenditure for a 30 year planning period, with an emphasis on the 10 year period from 1 July 2021 to 30 June 2031. It is intended that this AMP will be reviewed every year with a major update every three years prior to the LTP review process.

The Council's Parks and Open Spaces Service enhances the aesthetic quality of the environment and provides a diverse range of quality recreation and leisure experiences and activities, supporting growth in the district. The Parks and Open Spaces Service also provides spaces for events that support the economy.

The parks and open spaces activity includes operating, maintaining and developing a diverse and extensive range of community assets for use by residents and visitors. This includes the district's parks and reserves, walkways (including the Coastal Walkway), playgrounds and sports grounds. It also includes community halls, camping grounds, public toilets, operational cemeteries, the Crematorium, Brooklands Zoo, and outdoor public art and monuments.

A variety of buildings located within parks and open spaces are used for public and community purposes. These include the vicarage, blocks of public toilets, changing sheds, buildings leased to community groups, the Waitara Plunket rooms, parks houses/outbuildings, clock tower, zoo buildings, the Crematorium, halls, and holiday park (camping grounds) buildings. These property assets are managed by the Property Team on behalf of the Parks and Open Spaces Team and are included in the **Property AMP: Volume 7 – Parks and Open Spaces Buildings**.

A range of Council staff are involved in preparing and delivering the Parks and Open Spaces AMP and providing support services for asset management. How these responsibilities are allocated, managed, and delivered are shown in **Figure 1** in the **Strategic Asset Management Plan**. The framework and key elements of the overall AMP is detailed in **Table 1** in the **Strategic Asset Management Plan**.

2.1 Asset Descriptions

Parks and open spaces assets are distributed across the district with significant assets located in New Plymouth, Waitara, Inglewood, Oakura, Onaero, Urenui, Okato, and Tongaporutu. A summary of the significant assets included in the AMP is below:

- Approximately 1,600 hectares of park and reserve land, including Pukekura Park
- 82km of walkways, including 12.7km of Coastal Walkway
- 49 playgrounds
- Nine skate park sites
- 21 sports grounds
- 14 courts/hard playing surfaces

- The Crematorium and 14 (operational) cemeteries
- Brooklands Zoo
- Public art and monuments

This Parks and Open Spaces AMP includes six specific asset category volumes as detailed in **Table 1**.

Table 1: Asset Summary

Asset Category	Description	Unit	AMP Volume
Structures	General Structures	9,915 no.	1
	Bridges	72 no.	
	Foreshore Protection	39 no.	
Play Spaces	Playgrounds	49 no.	2
	Skate Parks	9 no.	
	Playing Courts	14 no.	
	Sports Grounds	21 no.	
Roads, Car Parks and Paths	Roads		3
	Car parks	74,006m2	
	Paths	93,048m	
Features	Outdoor Furniture, Lighting and Services	1,347 no.	4
	Monuments	352 no.	
	Signs and Bollards	1,120 no.	

Asset Category	Description	Unit	AMP Volume
Services	Cemeteries	14 no.	5
	Crematorium	1 no.	
	Zoo	1 no.	
Soft Assets	Turf	667ha	6
	Tree Areas	625ha	
	Notable and Street Trees		
	Gardens	19ha	
	Coastal Dunes	68ha	

Further details for the asset categories can be found in the individual **Parks and Open Spaces AMP: Volumes 1-6**.

Table 5 in **Section 5: Asset Management System** of the **Strategic Asset Management Plan** outlines the asset data accuracy/confidence grades. In previous AMPs, asset data accuracy/confidence for asset descriptions was determined by the Parks and Open Spaces Team’s knowledge and experience. Asset data accuracy/confidence grades have not been provided in this AMP as a more robust data quality system is needed

to determine the grades more accurately. There is an improvement action for data accuracy/confidence grades in **Section 10: Asset Management Improvement Programme of the Strategic Asset Management Plan**.

2.2 Asset Information and Data

The Parks and Open Spaces Service stores and manages information and data for parks and open spaces assets in various systems, including the following:

- Enterprise Asset Management (EAM) system (part of TechnologyOne) for document management, financial management, customer information and requests, asset inventory, asset history, work order management and maintenance scheduling
- ARCGIS for spatial records with general Geographic Information Systems (GIS) viewer MILES
- RedEye for all drawings, including working drawings
- Sharepoint for the Drawing Management System (RedEye), asset data and Improvement Plan items
- CS-VUE for monitoring compliance with resource consent conditions
- Online Bridge Information System (OBIS) for information about bridge assets

3. Strategic Framework

NPDC’s strategic framework for the district is detailed in **Section 4: Strategic Framework** of the **Strategic Asset Management Plan**. This section of the AMP outlines the alignment of the Council’s Asset Management Drivers and Objectives with the Parks and Open Spaces Service’s Objectives, key issues for the Parks and Open Spaces Service, and the relevant statutory and regulatory requirements.

3.1 Strategic Alignment

AMPs are a key component of the strategic planning and management of the Council. The following four Asset Management Drivers have been identified to guide the Asset Management and Network Planning Team and to prioritise investment in asset infrastructure over the 10 year period of the AMP:













- 1. Taking care of what we have** – We need to ensure that we invest in maintaining, renewing or replacing our existing asset infrastructure to preserve and extend their useful life.
- 2. Resilience and responding to climate change** – As we build new assets and renew our existing infrastructure we must ensure that we build in resilience to issues from natural hazards including, volcanic and seismic activity, sea level rise, coastal erosion, flooding events and droughts along with the consideration of the predictions of climate change.

3. Planning for growth – Our district will continue to grow and it is important that we manage that growth and provide the infrastructure in the appropriate areas to support new housing and employment areas.

4. Meeting the needs of our community and reducing our impact on the environment – As our community grows and changes we need to ensure that our infrastructure responds to those changing needs and that we also respond to increasing standards to support public health and environmental protection.





































These four drivers of decision making have been translated into specific Asset Management Objectives as shown in **Table 2**.

































Table 2: Asset Management Drivers and Objectives

Taking care of what we have	Resilience and responding to climate change
Taking care of infrastructure assets means: <div> We understand that asset data and evidence based decision making are critical to optimising costs and maximising the value our services bring to our customers</div> <div> We protect and enhance public health by providing quality services</div> <div> We own and operate infrastructure that is safe for our staff, suppliers and customers</div>	Resilience of assets means: <div> Our infrastructure protects and enhances our built environment and creates amenity value</div> <div> We provide reliable services and infrastructure that is resilient to natural hazards and adapts to climate change</div> <div> We provide system redundancy and emergency back up systems to our critical infrastructure</div>
Planning for growth	Meeting the needs of our community and reducing our impact on the environment
Planning and providing for growth means: <div> We work in partnership with Tangata Whenua when we plan for our infrastructure</div> <div> Our infrastructure is an enabler for economic activity and future growth</div> <div> We educate our community so they can make informed choices about how they use our services and manage demand on our infrastructure and services</div>	Meeting the needs of our community and reducing our impact on the environment means: <div> We manage the consumption of energy and associated greenhouse gas emissions to mitigate our impact on climate change.</div> <div> We protect and restore the health of our natural environment.</div> <div> We manage the use of resources in a sustainable way, minimising waste and seek out opportunities to use wastes as a resource to be reused or recycled</div>

Details for the key Parks and Open Spaces Service Objectives and the alignment of these to the Asset Management Drivers and Objectives are provided in **Table 3**.

Table 3: Alignment of Asset Management Drivers and Objectives, and Parks and Open Spaces Service Objectives

Parks and Open Spaces Service Objectives	Asset Management Drivers			
	1. Taking care of what we have	2. Resilience and responding to climate change	3. Planning for growth	4. Meeting the needs of our community and reducing our impact on the environment
A. To minimise adverse economic and environmental impacts of activities	<div></div>	<div></div>	<div></div>	<div></div>
B. To improve safety by ensuring that parks and facilities are safe to use	<div></div>	<div></div>	<div></div>	<div></div>
C. To improve communication and provide information and education for customers on Levels of Service, costs and issues	<div></div>		<div></div>	
D. To provide quality parks and other facilities	<div></div>	<div></div>	<div></div>	<div></div>

Parks and Open Spaces Service Objectives	Asset Management Drivers			
	1. Taking care of what we have	2. Resilience and responding to climate change	3. Planning for growth	4. Meeting the needs of our community and reducing our impact on the environment
E. To meet the development and growth needs of the district and accommodate any extension of the Council's parks and open spaces assets		  	  	  
F. To reduce costs by monitoring and managing cost drivers to ensure facilities and services are affordable, without compromising safety and quality	  	  	  	  
G. To provide an acceptable level of resilience in emergency situations		  	  	  

3.2 Key Issues for the Parks and Open Spaces Service

The key issues for the Parks and Open Spaces Service are detailed below:

1. Poor business processes lead to poor renewal programming, budgeting, and maintenance implementation:
The Parks and Open Spaces Service does not currently have detailed knowledge regarding all their assets. There are gaps between the data captured by field inspections (and verified) and data located in the asset database (EAM and GIS). For example, this includes the turf asset data, tree asset data, and play spaces asset data. There is also a requirement for data capture of underground services such as power, water and gas and irrigation equipment.

Some of the parks and open spaces assets require a bespoke design, which can create challenges for the replacement of assets if they are manufactured overseas in terms of causing delays for receiving replacement assets and additional costs associated with bespoke designs. Quality standards should be provided for assets wherever possible, whilst allowing for diversity in design for special areas.

Handover processes for new assets need to be defined and adhered to. For example, a handover process needs to be defined for new subdivisions which include new reserves, parks and open spaces that need maintenance, and for tree succession planning.

2. As the district grows the impact on parks and open spaces assets increases and the expectation of creating new assets also increases:

The Parks and Open Spaces Service is currently managing increased demand for more and improved facilities whilst at the same time protecting the natural character and values in parks and open spaces. In particular, this affects the capacity of existing cemeteries, and the provision of new playgrounds to accommodate growth and the increased usage of roads within parks, especially Pukekura Park and the Taranaki Savings Bank (TSB) Bowl of Brooklands. There is also increasing demand by different user groups within parks and open spaces and perceived conflicts of space, particularly between pedestrians and cyclists.

Planning needs to be undertaken regarding overuse and under use of some sports grounds. There are also maintenance issues relating to overlapping sports seasons due to increasing demand on sports grounds.

The location of Brooklands Zoo raises issues in regard to the location of events in Pukekura Park. The zoo's farmyard animals are currently rehoused whilst events are taking place.

Other issues include the maintenance, location and extent of garden assets (this is also relevant for issue no. 3), and managing access and safety of coastal dune assets. Also, the low use of some sealed roads is resulting in an increase of weed and moss infestations, resulting in rapid deterioration of the surface seal.

3. As the district grows the resources required to meet Levels of Service grows:

The Parks and Open Spaces Service is currently under pressure in terms of financial resources to keep up with trends and community expectations in providing good quality play opportunities in public playgrounds. In general most playgrounds are adequately equipped with a limited range of features; however, opportunities to move away from maintenance intensive bark under surfacing and towards more capital intensive, low maintenance artificial under surfacing needs to be investigated.

In terms of the Crematorium, there is continuing need to provide a dignified setting for services. The Parks and Open Spaces Service must also keep abreast of technology to meet changing community and customer demands e.g. live streaming services.

In regard to Brooklands Zoo, there is a need to develop a Strategic Plan for this asset. In particular, the zoo generally has poor infrastructure and provision of parking. There is currently an increasing community demand for increased Levels of Service, particularly increased opening hours during certain times of the year.

Other issues include ongoing serious vandalism of parks and open spaces assets, many car parks within parks and open spaces are unsealed and do not meet user expectations, the public’s desire to be involved in proposals/works regarding trees, and the maintenance, location and extent of garden assets (also see issue no. 2).

4. Existing and growing legal compliance requires additional resources:

Legislation and standards in New Zealand (NZ) are continuously evolving in line with environmental requirements, including international obligations, which impacts on parks and open spaces assets. There are also increasing compliance requirements, for example, in regard to:

- Conditions of resource consents from Taranaki Regional Council (TRC) and NPDC
- The NZ Standards for playgrounds (NZS 5828:2015)
- The Fencing Act 1978 (and Amendments), in terms of the legal obligations with neighbours for fencing
- Meeting Environmental Protection Authority (EPA) and Ministry for Primary Industries (MPI) regulations for containing exotic animals, which requires an annual licence for Brooklands Zoo
- Meeting Zoo and Aquarium Association (ZAA) requirements relating to animal welfare at Brooklands Zoo
- Line clearance (Electricity (Hazards from Trees) Regulations 2003 and Amendments)
- Health and Safety at Work Act 2015 and Amendments

The impact of wave action and storm events on coastal protection works and other major infrastructure needs to be monitored and managed by the Parks and Open Spaces Service.

In terms of health and safety requirements, for cemeteries there is an issue in terms of providing for the health and safety of operations staff. There is also the need to meet the health and safety requirements for play equipment due to the risk of litigation.

5. Climate change has accelerated issues with providing a reliable Level of Service while meeting legislative requirements:

Climate change, including extreme weather conditions, rising sea levels and increased coastal erosion, greater plant growth and potential increases in pests and diseases impacts on parks and open spaces assets. Further, as noted above coastal monitoring needs to be regularly undertaken to gauge the impact of storm events on assets. The conservation values at Brooklands Zoo need to be enhanced and community awareness of conservation needs to be increased by restoring and displaying native NZ species.

3.3 Statutory and Regulatory Requirements

The statutory and regulatory documents that are relevant for parks and open spaces assets are detailed in the table in **Appendix 1**.

4. Levels of Service

The Parks and Open Spaces Service's Levels of Service are driven by the Council's overall service objectives in the LTP, customer expectations, and legislative and technical requirements. The Capex and Opex investment programmes included in this AMP are based on effective asset management that delivers on these objectives, expectations, and requirements.

4.1 Customer Levels of Service

The Customer Levels of Service included in the LTP together with target levels and a snapshot of past performance are shown in **Table 4**. The alignment of the Levels of Service to the Asset Management Drivers and Objectives are also shown in the table.



Table 4: Customer Levels of Service

Asset Management Driver	Parks and Open Spaces Services Objective	What you can expect	How performance is measured	Actual 2019/20		Target by 2021/22	Target by 2022/23	Target by 2023/24	Target by 2030/31	Comments
1, 2, 3, and 4	A, B, D, and G	Maintain quality district parks, reserves and open spaces	The percentage of residents satisfied with the quality of the district's parks and reserves, including the Coastal Walkway and Pukekura Park (Research First(RF) Survey*)	98%		95%	95%	95%	95%	
1 and 4	A,B, and D		The percentage of residents satisfied with the quality of the district's urban landscapes and streets (RF survey*)	96%		95%	95%	95%	95%	
1 and 4	A,B, and D		The percentage of residents satisfied with the quality of the district's sports parks [grounds] (RF survey*)	89%		85%	85%	90%	95%	Currently affected by Yarrow Stadium being out of action
1 and 4	A,B, and D		The percentage of residents satisfied with the quality of the district's playgrounds (RF survey*)	96%		95%	95%	95%	95%	
1 and 4	A,B, and D		The percentage of Brooklands Zoo visitors satisfied with the zoo (in-house survey)	100%		90%	90%	90%	90%	Proposed construction of a new free flight habitat and monkey habitat (Project: PK3037) to occur within the next five years`

* All RF survey targets exclude ‘don’t know’ responses

Table 4: Customer Levels of Service

Asset Management Driver	Parks and Open Spaces Services Objective	What you can expect	How performance is measured	Actual 2019/20		Target by 2021/22	Target by 2022/23	Target by 2023/24	Target by 2030/31	Comments
3, and 4	A, B, E, and D	Maintain access to the district's parks, reserves and open spaces	The percentage of households in the district within 500m of a park, reserve or neighbourhood open space	84%		80%	80%	80%	80%	See information about this Level of Service below
1, and 4	A, B, and D	Provide quality public toilets across the district	The percentage of the community satisfied with the quality of the district's public toilets (RF* survey)	87%		80%	80%	80%	80%	

* All RF survey targets exclude ‘don’t know’ responses

The distance of households in the district from a park, reserve or neighbourhood open space will be increased from 500m to 1,000m during the 2021/22 financial year. The current distance of 500m is not realistic given the

number and extent of new subdivisions in the district. This issue will be addressed through an improvement action and is recorded in **Section 9: Improvement Plan.**

4.2 Technical Levels of Service

To meet legislative requirements, the following Technical Levels of Service are applied:

- NZ Standard 5828:2015 for playground equipment and surfacing - specifies general requirements for playground equipment and surfacing. Use of this standard promotes and encourages playgrounds that are well designed, well-constructed, well maintained, innovative and challenging.
- AS/NZ Standard 4282:2019 - Control of the obtrusive effects of outdoor lighting
- NZ Standard 4404:2010 - Land Development and Subdivision Standard
- NPDC, South Taranaki District Council (STDC) and Stratford District Council (SDC) Land Development and Subdivision Infrastructure Standard (Local Amendments Version 3), which is based on NZS 4404:2010
- Proposed National Policy Statement for Indigenous Biodiversity (NPS-IB) - the indigenous vegetation cover in NPDC’s parks needs to increase from 8% to 10%
- Creo’s ‘5 Principles for Better Playground Design’
- Requirements and conditions of resource consents from TRC and NPDC
- Other legislative requirements, including the Fencing Act 1978 (and Amendments), EPA, MPI and ZAA regulations and requirements, and Line clearance (Electricity (Hazards from Trees) Regulations 2003 and Amendments)

The Technical Levels of Service for the relevant Standards and Creo’s ‘5 Principles’ are met by playgrounds being designed and installed by qualified contractors. The Technical Level of Service for resource consents is also met by playgrounds being designed and installed by qualified contractors and through regular monitoring by Council staff via CS-VUE. The Technical Level of Service for the Proposed NPS-IB will be met by increasing the amount of vegetation cover in the district’s parks.

4.3 Level of Service Projects

To ensure the Parks and Open Spaces Service meets community expectations, a number of projects have been identified to improve and maintain Levels of Service over the 10 year period of the AMP. The Parks and Open Spaces Service also has a number of general initiatives, plans and projects planned over the period of the AMP.

The Level of Service Projects are listed in **Table 5**. The alignment of each project to the Asset Management Drivers and Key Issues for the Parks and Open Spaces Service is also identified (see **Section 3: Strategic Framework**). Details for Levels of Service Projects associated with parks and open spaces buildings are included in the **Property AMP: Volume 7 – Parks and Open Spaces Buildings**.



Table 5: Level of Service Projects

Project Budget Code	Project Description	Asset Management Driver	Key Issue
PK1003	Pukekura Park: New Festival of Lights Infrastructure	4	3
PK1034	Urenui Cemetery Extension	4	3
PK1037	Cemetery Memorial Beams	4	3
PK1038	Taranaki Traverse (Waiwhakaiho River section)	4	3
PK1067	Parks Management Plan Implementation	4	3 and 4
PK1072	New Play Space Development	4	3
PK2005	Pukekura Park Management Plan Implementation	4	3 and 4
PK2010	Kawaroa to Belt Road Cliff Erosion & Seawall	2 and 4	3 and 5
PK2011	Brooklands Zoo Planning Implementation	4	3
PK2054	Kaitake Trail	4	3
PK3000	Accessible Beach Access to Three Sisters (Clifton Board)	2 and 4	3 and 5
PK3001	Biodiversity Predator Free Taranaki	2 and 4	3, 4 and 5
PK3002	Brooklands Bowl Stairs Renewal	4	3
PK3005	Brooklands Park Drive	4	3
PK3010	Hobson Street Yard Bulk Storage Bins ISO1400	4	3
PK3011	Hobson Street Yard Wash-Down Bay ISO1400	4	3

Project Budget Code	Project Description	Asset Management Driver	Key Issue
PK3014	Oakura Cemetery Develop Extension	4	3
PK3016	Parks Culverts	4	3
PK3017	Parks On-site Composting	4	3
PK3021	Pukekura Park Water Quality	4	3
PK3027	Sun Shade Sails Okato and Hickford Park Playgrounds	4	3
PK3036	CBD Strategy Projects - Implementation	4	3
PK3039	Inglewood Railway Station and Yard Land	4	3
PK3043	Te Rewa Co-Management Plan Implementation	4	3
PK3050	Rapanui Reserve Upgrade	4	3
PK3053	Onaero Recreation Reserve Improvements	4	3

Key: Strategic Projects (see **Section 4: Strategic Framework of the Strategic Asset Management Plan**)

Details for key Level of Service Projects are provided below:

PK3001: Biodiversity Predator Free Taranaki – The Council is committed to the ‘Towards Predator-Free Taranaki’¹ project and multiple volunteer projects are already in place. The Council is required to continue with the contracted urban trapping programme that TRC has put in place from 2021. This project also includes the ongoing control of pest plants.

PK3036: Central Business District (CBD) Strategy Projects - Implementation

A comprehensive CBD Strategy is being undertaken in 2020/21 as a next layer of planning from the CBD Forum outcomes and the Council’s Blueprint². This provides a framework for undertaking renewal and capital development in the CBD that provides a holistic approach to ensuring a programme of work that supports a revitalised CBD. A number of transformational initiatives will come from the CBD Strategy across a range of areas including infrastructure, transport, parks and open spaces, and events. These will be staged as a series of separate work programmes across a number of years and the CBD Strategy will identify prioritisation and staging opportunities for these.

A range of infrastructure ‘quick win’ projects have been identified including way finding, seating and other street scape components. There is opportunity to explore a private/public partnership to develop land in the CBD adjacent to Puke Ariki to improve access and public infrastructure outcomes. The CBD Strategy project involves two potential areas of land at Egmont Street and St Aybn Street that have potential to enhance CBD outcomes based on likely opportunities identified through the CBD Strategy project.

The Capex forecast for the Level of Service Projects over the 10 year period of the AMP is shown in **Table 12** in **Section 8: Financial Summary**.

¹ <https://www.trc.govt.nz/environment/working-together/towards-predator-free-taranaki/about-towards-predator-free-taranaki/>

² <https://www.newplymouthnz.com/Council/Council-Documents/Plans-and-Strategies/New-Plymouth-District-Blueprint>

5. Future Demand

Asset management planning relies on forecasts and the identification of other factors, such as growth, age of the population and diversity of the community, to understand the demand on parks and open spaces assets. As detailed in **Section 3: The New Plymouth District and the Taranaki Region** of the **Strategic Asset Management Plan**, the Council’s latest growth projections were developed in April 2020 and cover the period 2018 to 2051. The growth projections indicate that the district will grow by almost 25% by 2051 (from a population of 86,504 in 2021 to 104,129 in 2051). The age profile within the district is also changing and it is anticipated that there will be an increase in the number of people aged 65 and over, from 19% (16,651) of the total population in 2021, to approximately 27% (28,256) in 2051. The growth projections indicate that there will be an increasing demand for housing and infrastructure in the district.

Over the life of the LTP, the annual rate of new dwellings is anticipated to be around 355 new dwellings per year during the first five years and 383 new dwellings per year during the last five years of the AMP period (2021-2031). It is also expected that the principal demand for residential green fields, turf areas, parks, walkways, etc. will continue to be around the periphery of the New Plymouth urban area and at Bell Block.

New developments and subdivision in identified growth areas from both the Operative and Proposed New Plymouth District Plans requires planning for provision of new parks and open spaces to meet the service level provisions identified in NPDC’s ‘Open Space, Sport and Recreation Strategy’. In a ‘Sustainable Lifestyle Capital’ some key facilities will require improvements to meet both demand, customer expectations and changing

recreation needs. It may require the introduction of some new facilities (an example being the Multisports hub). Increased numbers of people also means the Council will need to consider demand for associated infrastructure and services, such as toilets and carparks (an example being the Egmont Road carpark to access Mount Taranaki) in high use areas and visitor hotspots.

The use of recreational space is changing and diversifying. With people living longer and remaining more active, there are changes in both how facilities are used and the types of facilities in demand. An ageing population also means there is increased expectation and requirement for accessibility in parks and open spaces. Changes in technology will impact the way the Council delivers services, including an expectation of connectivity within Parks and Open Spaces, demand for real time information, and even virtual parks. Increased automation could increase demand for automated services. It may also mean people have more leisure time available in the future.

The Council works with property developers to ensure they provide adequate neighbourhood parks in new developments and subdivisions and that the public has continued access to significant waterways. The Parks and Open Spaces Service will continue to maintain existing parks and open spaces to a high standard, particularly as these facilities and amenities are used more frequently, by a greater number of people.

As part of subdivision and land acquisition planning to provide public open spaces, the extension of the Coastal Walkway route eastward from Bell Block to Waitara is currently in the planning stages and has been provided for in the Proposed New Plymouth District Plan. This

extension will provide an alternative route for cycling and walking between Waitara and the CBD and beyond.

In addition to servicing its resident population, the Taranaki region (the region) is a tourism destination attracting both people visiting friends and family, and business travellers. Mount Taranaki and New Plymouth are the main visitor destinations in the district. Tourism has also been growing in the district; however, it has recently been affected by the COVID-19 pandemic. It is expected that tourism numbers will increase again post COVID-19.

Increases in the district’s population and visitor numbers will increase demand for parks and open spaces assets, with greater numbers of people accessing facilities such as Pukekura Park, Brooklands Zoo, walkways and recreational spaces. Various large scale events frequently organised in the region also attract large numbers of visitors (i.e. the World of Music Arts and Dance (WOMAD) festival). While an increase in visitor numbers is desirable, recent surveys of Pukekura Park indicate that visitors to major events such as the Festival of Lights and large shows at the TSB Bowl of Brooklands have a significant impact on park infrastructure such as the gardens and natural vegetation.

Population growth and an increased aging population are also prime considerations for cemeteries, including managing reduced capacity at existing sites. The Council has established a new cemetery site at Mangapouri that can cater for both growth and changing community demands (e.g. natural burials).

To maintain existing Levels of Service and meet forecasted future demand an increase in resources may be required. The Parks and Open Spaces Service will need to regularly review the impact of increased users on services to maintain a balance between resources and Level of Service expectations.

5.1 Growth Projects

To complement and service the planned growth areas in the district, the Parks and Open Spaces Service requires a number of land purchases and acquisitions to provide parks and open spaces assets within the growth areas over the period of the AMP. These Growth Projects are

listed in **Table 6**. The alignment of each project to the Asset Management Drivers and Key Issues for the Parks and Open Spaces Service is also identified (see **Section 3: Strategic Framework**). There are no Growth Projects for parks and open spaces buildings.

Table 6: Growth Projects

Project Budget Code	Project Description	Asset Management Driver	Key Issue
PK1046	Land Purchase - Area Q	3	2
PK1047	Park Development - Area Q Growth Area	3	2
PK1055	Esplanade & Local Reserve Land Purchase as per DP	3	2 and 4
PK2046	Land Purchase - Junction Growth Area	3	2
PK2047	Land Purchase - Upper Carrington Growth Area	3	2
PK3040	Land Purchase - Patterson Growth Area	3	

The identification and securing of appropriate areas for public open space to be integrated within the growth areas identified within the Proposed New Plymouth District Plan. Projects: **PK1046, PK1047, PK2046, PK2047** and **PK3040** will contribute to the areas being well-designed and successful living and community environments for future residents.

Esplanade strips and esplanade reserves are applied on private land and used, inter alia, to provide public access

to waterbodies or the coastline through subdivision consent, especially where there is opportunity for esplanades to link or adjoin to an existing public access corridor. Project **PK1055** provides funds to implement the programme of esplanade strip/reserve work.

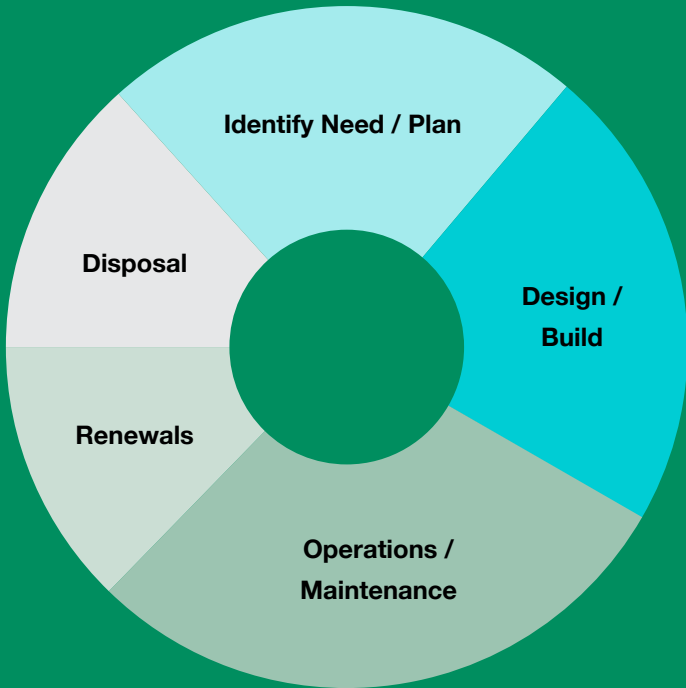
The Capex forecast for the Growth Projects over the 10 year period of the AMP is provided in **Table 13** in **Section 8: Financial Summary**.

6. Lifecycle

The lifecycle of an asset has five main stages as shown in **Figure 1** and detailed in **Section 7: Asset Life cycle** of the **Strategic Asset Management Plan**.

General information about the lifecycle management of parks and open spaces assets is below. Detailed lifecycle management is covered in each of the **Parks and Open Spaces AMP: Volumes 1-6**.

Figure 1: Asset lifecycle



6.1 Identify Need and Plan

Any new assets installed by developers to serve new domestic and non-domestic developments are usually vested in NPDC. Assets are built to the NZS 4404:2010 – Land Development and Subdivision Standard and to the specific requirements as defined in the NPDC, STDC, and SDC adopted standard for Land Development and Subdivision Infrastructure, which is based on NZS 4404:2010 with local amendments.

When an asset is vested in NPDC, the Parks and Open Spaces Service has full responsibility for the asset and it is included in the operations, maintenance and future renewal plans.

6.1.1 Asset Condition

Table 6 in **Section 7: Asset Lifecycle** of the **Asset Management Strategy** outlines the condition grades for assets. Condition grading of Parks and Open Spaces assets is done according to the New Zealand Parks and Recreation Asset Condition Grading Standards Manual. However there is a need to look at the frequency and completeness of this grading. Information about the latest condition surveys is provided in the **Parks and Open Spaces AMP: Volumes 1-6**. In general, these surveys were undertaken during the period between 2018 and 2020. There is an improvement action for asset condition data in **Section 10: Asset Management Improvement Programme of the Asset Management Strategy**.

6.1.2 Remaining Useful Life

Asset condition is a key parameter in determining the Remaining Useful Life (RUL) of an asset and can be used to predict how long it will be before an asset needs to be repaired, renewed or replaced. Asset condition is also an indicator of how well an asset is able to perform its function.

The RUL of assets have been recorded in the **Parks and Open Spaces AMP: Volumes 1-6**. There is an annual inspection programme in place for a range of Parks and

Open Spaces assets, with asset condition assessed in line with the Asset Condition Grading Standards, and this data is recorded in EAM. There is work underway to expand this programme to include more regular inspections for various asset types. There is an improvement action in **Section 10: Asset Management Improvement Programme of the Strategic Asset Management Plan** to address this.

6.1.3 Critical Assets

There is currently no definition for critical assets; however, critical parks and open spaces assets have been identified in the **Parks and Open Spaces AMP: Volumes 1-6**, where possible. This information is based on the Parks and Open Spaces Team's knowledge and experience.

Table 7 in Section 7: Asset Lifecycle of the **Strategic Asset Management Plan** outlines the criticality ratings for assets. No criticality ratings have been provided for assets in this AMP as a robust data quality system is needed to determine the ratings more accurately, and there is an improvement action for asset data in **Section 10: Asset Management Improvement Programme** of the **Strategic Asset Management Plan**.

6.2 Design and Build

Day to day general repairs of hard assets are carried out by the Hard Landscape Team. The Walkways Team carry out minor track maintenance e.g. track surface repairs and step repairs. The Parks and Open Spaces Service engages contractors to undertake other work that cannot be carried out by these teams, e.g. steel fabrication and repairs, and bin renewals. Major Capex renewals are designed by chartered engineers and the physical work is supervised by chartered engineers.

The Parks and Open Spaces Team seek to use standard designs where possible. As noted in **Section 3: Strategic Framework**, some of the parks and open spaces assets require a bespoke design, for example, the bollards along the Coastal Walkway which form part

of the design integrity and quality of this internationally recognised asset. Although a bespoke design is sometimes necessary for an asset, the use of a standard design is preferred as these structures are often made overseas, are costly and have a long lead-in time for delivery or replacement.

The involvement of the Operations Team during the commissioning and design phases would ensure that the design is fit for purpose, cost efficient and has low future maintenance requirements. This is an improvement action and is recorded in **Section 9: Improvement Plan**.



6.3 Operations and Maintenance

The general asset operation and maintenance approach for parks and open spaces assets is detailed below:

Planned Operations and Maintenance:

The Parks and Open Spaces Team generally conduct regular inspections of parks and open spaces assets to identify scheduled maintenance items, which are provided to the Operations Teams. Further, external consultants are commissioned to undertake inspections as required.

Reactive Maintenance:

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and is recorded through the Service Request system. This system documents and tracks response times to the issue.

Routine Operations and Maintenance:

Routine maintenance includes regular inspections of assets by the Parks and Open Spaces Team, and can include daily servicing carried out by both staff and contractors.

Major Maintenance:

The requirement for major repairs is infrequent and is most likely to be as a result of extreme weather or storm events.

Specific operations and maintenance activities are detailed in the **Parks and Open Spaces AMP: Volumes 1-6**.

6.3.1 Opex Projects

Opex is allocated for scheduled and routine maintenance of parks and open spaces assets (see **Table 11** in **Section 8: Financial Summary**). There are no specific Opex Projects for parks and open spaces assets; however, **Table 7** shows the Opex Projects that are related to the Capex Projects, which are planned during the 10 year period of the AMP. These projects

have seed funding allocated for the initial planning stage and/or when the project is completed.

The alignment of each project to the Asset Management Drivers and Key Issues for the Parks and Open Spaces Service (see **Section 3: Strategic Framework**) is also identified.

Table 7: Opex Projects that are related to Capex Projects

Project Budget Code	Project Budget Code Description	Asset Management Driver	Key Issue
PK1034	Urenui Cemetery Extension	1 and 4	3
PK1038	Taranaki Traverse Land Acquisition	1 and 4	3
PK1047	Park Development - Area Q Growth Area	1 and 3	2
PK1072	New Play Space Development	1 and 4	3
PK2010	Kawaroa to Belt Road Cliff Erosion & Seawall	1, 2 and 4	3 and 5
PK2013	Playground Equipment Renewal - Kawaroa Park	1	
PK2054	Kaitake Trail	1 and 4	3
PK2300	Rotomanu Water Outlet	1	4
PK3000	Accessible Beach Access to Three Sisters (Clifton Board)	1, 2 and 4	3 and 5
PK3002	Brookland Bowl Stairs Renewal	1 and 4	3
PK3005	Brooklands Park Drive	1 and 4	3
PK3006	Coastal Walkway Barrier Renewals	1 and 2	1 and 5
PK3008	East End Life Saving Club Boat Ramp Renewal	1	4
PK3010	Hobson Street Yard Bulk Storage Bins ISO1400	1 and 4	3
PK3011	Hobson Street Yard Wash-Down Bay ISO1400	1 and 4	3
PK3012	Huatoki Walkway Camden to Glenpark Ave Bridge renewal	1	4

Project Budget Code	Project Budget Code Description	Asset Management Driver	Key Issue
PK3014	Oakura Cemetery Develop Extension	4	3
PK3016	Parks Culverts	4	3
PK3017	Parks On-site Composting	4	3
PK3020	Pukekura Park Operations Yard	1 and 4	3
PK3021	Pukekura Park Water Quality	1 and 4	3
PK3024	Rogan Street Playground Renewal	1	1
PK3025	Rotomanu Water Inlet Upgrade	1 and 4	3
PK3027	Sun Shade Sails Okato and Hickford Park Playgrounds	1 and 4	3
PK3028	Te Henui Cemetery Development	1 and 4	3
PK3031	Urenui Swing Bridge Renewal & Erosion Protection	1 and 2	1 and 5
PK3033	Wind Wand Refurbishment	1 and 4	3
PK3034	White Cliffs Walkway	1 and 2	5
PK3036	CBD Strategy Projects - Implementation	1 and 4	3
PK3042	Te Kohia Pa	1	2
PK3043	Te Rewa Co-Management Plan Implementation	1 and 4	3
PK3048	Burial and Cremations Software	1	4

Project Budget Code	Project Description	Asset Management Driver	Key Issue
PK3050	Rapanui Reserve Upgrade	1 and 4	3
PK3052	Fitzroy Beach Wooden Boardwalk Renewal	1	4
PK3053	Onaero Recreation Reserve Improvements	1 and 4	3

Key: Strategic Projects (see **Section 4: Strategic Framework of the Strategic Asset Management Plan**)

The expenditure forecast for Opex Projects over the 10 year period of the AMP is provided in **Table 14** in **Section 8: Financial Summary**.

6.4 Renewals

The Parks and Open Spaces Team select assets for renewal based on asset condition or need (following damage etc.). Details for specific renewal activities and programmes are included in the **Parks and Open Spaces AMP: Volumes 1-6**.

As noted in **Section 2: Introduction**, a variety of buildings located within parks and open spaces are used for public and community purposes and are managed by the Property Team on behalf of the Parks and Open

Spaces Team. Details for renewals of these assets are included in the **Property AMP: Volume 7 - Parks and Open Spaces Buildings**.

6.4.1 Renewals Projects

Details for the Parks and Open Spaces Service’s Renewals Projects are provided in **Table 8**. The alignment of each project to the Asset Management Drivers and Key Issues for the Parks and Open Spaces Service (see **Section 3: Strategic Framework**) is also identified.

Table 8: Renewals Projects

Project Budget Code	Project Budget Code Description	Asset Management Driver	Key Issue
PK1011	Brooklands Zoo - Renewals	1	1
PK1014	Unplanned Renewals	1	1
PK1015	Lights renewals - all parks and reserves	1	1
PK1016	Structures renewals - parks and reserves	1	1
PK1017	Bridges renewals - parks and reserves	1	1
PK1021	Walkways & Paths Renewals	1	1
PK1022	Outdoor furniture renewal	1	1
PK1023	Playground Equipment Renewal	1	1
PK1024	Signs Renewal - All parks and reserves	1	1
PK1063	Carpark upgrades	1	1
PK2007	Pukekura Park Infrastructure - FOL Lights Renewal	1	1
PK2013	Playground Equipment Renewal - Kawaroa Park	1	1
PK2040	Fitzroy Surf Club Access Ramp Renewal	1	1
PK2300	Rotomanu Water Outlet	1	1

Project Budget Code	Project Budget Code Description	Asset Management Driver	Key Issue
PK3006	Coastal Walkway Barrier Renewals	1 and 2	1 and 5
PK3007	Coastal Walkway Timber Renewal	1 and 2	1 and 5
PK3008	East End Life Saving Club Boat Ramp Renewal	1 and 2	1 and 5
PK3012	Huatoki Walkway Camden to Glenpark Ave Bridge renewal	1	1
PK3022	Reserve Grazing Fencing Renewals	1	1
PK3023	Resource Consent Renewal Programme	1	1
PK3024	Rogan Street Playground Renewal	1	1
PK3026	Rubbish Bin Renewals	1	1
PK3031	Urenui Swing Bridge Renewal & Erosion Protection	1 and 2	1 and 5
PK3032	Waitara Cemetery Renew Concrete Driveway Ring Road	1	1
PK3045	Fernery Renewals	1	1
PK3046	Pukekura Park Path Renewal/Upgrades	1	1
PK3047	Pukekura Park Primary Path Lights Renewal	1	1
PK3048	Burial and Cremations Software	1	1
PK3052	Fitzroy Beach Wooden Boardwalk Renewal	1 and 2	1 and 5

Information for key Renewals Projects is provided below:

PK3031: Urenui Swing Bridge Renewal & Erosion Protection

Subsequent to bridge inspections which were carried out in 2019, a programme of maintenance works was recommended for the Urenui Swing Bridge. The inspection was recently completed and included an invasive inspection of the condition of the main suspension cables. The inspection revealed that the cable lengths close to the anchor points are not in a good condition and there is severe corrosion in some locations. As a result, the replacement of the cables is required.

There is other significant work required on the bridge, including the replacement of a number of the steel rod hangers which support the deck. These were bent during a storm event in late 2019 which displaced the bridge from the foundations. A shotcrete wall is also required on the western side of the Urenui River bank at the approach to the pedestrian swing bridge. There is severe erosion occurring at this site that in time will compromise the access to the bridge.

6.5 Disposals

The Parks and Open Spaces Service generally disposes of assets when they are at the end of their useful life, are dangerous or are no longer required. Disposals in recent

PK3033: Wind Wand Refurbishment

The iconic Len Lye kinetic sculpture wind wand (the wind wand) has been recently assessed by a mechanical engineer and requires refurbishment work to remain safe and operational. Due to the location of the wind wand in the coastal environment, age has made the sculpture components brittle and they are at the end of their expected life. Also, a number of lightning strikes to the wind wand has made the power supply to the LEDs close to obsolete.

Work required includes a structural inspection, repainting, replacement of the top of the wind wand spheres, wiring within the wand and the Light-emitting Diode (LED) light and diffusers. This work was completed in July 2021.

The Capex forecast for Renewals Projects over the 10 year period of the AMP is provided in **Table 15** in **Section 8: Financial Summary**.

years have included rubbish bins, signs, and seats. The Parks and Open Spaces Service do not have any immediate plans to dispose of any assets.



7. Risk Management

7.1 Risk Assessment

Risk assessments are conducted, recorded, managed, escalated and monitored in accordance with NPDC’s Corporate Risk Management Framework: Policy and Process (ECM#: 1479536). A summary of how the policy and process operate and a list of the current key risks relevant to assets is included in **Section 8: Risk Management of the Strategic Asset Management Plan**. The list includes risks that are applicable across all asset categories and those particular to the Parks and Open Spaces Service.

Table 9 lists the Parks and Open Spaces Service’s projects and shows the risks projects are mitigating. Information for the risk levels is provided in **Section 8: Risk Management of the Strategic Asset Management Plan**. Priority 1 projects are scheduled to take place within the first three years of this AMP and Priority 2 projects are scheduled to take place within the first six years of this AMP.

Table 9: Risk level and prioritisation for projects

Project Budget Code	Project Description	Priority	Risk Level
Level of Service Projects			
PK1003	Pukekura Park: New Festival of Lights Infrastructure	Unknown	Unknown
PK1034	Urenui Cemetery Extension	2	Medium
PK1037	Cemetery Memorial Beams	Unknown	Unknown
PK1038	Taranaki Traverse (Waiwhakaiho River section)	1	Low
PK1067	Parks Management Plan Implementation	1	Medium
PK1072	New Play Space Development	3	Low
PK2005	Pukekura Park Management Plan Implementation	1	Medium
PK2010	Kawaroa to Belt Road Cliff Erosion & Seawall	1	Medium
PK2011	Brooklands Zoo Planning Implementation	1	Medium
PK2054	Kaitake Trail	1	Low
PK3000	Accessible Beach Access to Three Sisters (Clifton Board)	2	Medium
PK3001	Biodiversity Predator Free Taranaki	1	High
PK3002	Brooklands Bowl Stairs Renewal	2	Medium
PK3005	Brooklands Park Drive	1	Medium
PK3010	Hobson Street Yard Bulk Storage Bins ISO1400	3	Medium
PK3011	Hobson Street Yard Wash-Down Bay ISO1400	2	High

Project Budget Code	Project Description	Priority	Risk Level
Level of Service Projects			
PK3014	Oakura Cemetery Develop Extension	1	High
PK3017	Parks On-site Composting	2	Medium
PK3021	Pukekura Park Water Quality	2	Medium
PK3027	Sun Shade Sails Okato and Hickford Park Playgrounds	2	Low
PK3036	CBD Strategy Projects - Implementation	2	Medium
PK3039	Inglewood Railway Station and Yard Land	2	Low
PK3043	Te Rewa Co-Management Plan Implementation	1	Medium
PK3050	Rapanui Reserve Upgrade	2	Medium
PK3053	Onaero Recreation Reserve Improvements	Unknown	Unknown
Growth Projects			
PK1046	Land Purchase - Area Q	1	Medium
PK1047	Park Development - Area Q Growth Area	1	Medium
PK1055	Esplanade & Local Reserve Land Purchase as per DP	1	High
PK2046	Land Purchase - Junction Growth Area	2	Medium
PK2047	Land Purchase - Upper Carrington Growth Area	2	Medium
PK3040	Land Purchase - Patterson Growth Area	2	Medium

Project Budget Code	Project Description	Priority	Risk Level
Renewals Projects			
PK1011	Brooklands Zoo - Renewals	Unknown	Unknown
PK1014	Unplanned Renewals	Unknown	Unknown
PK1015	Lights renewals - all parks and reserves	Unknown	Unknown
PK1016	Structures renewals - parks and reserves	Unknown	Unknown
PK1017	Bridges renewals - parks and reserves	Unknown	Unknown
PK1021	Walkways & Paths Renewals	Unknown	Unknown
PK1022	Outdoor furniture renewal	Unknown	Unknown
PK1023	Playground Equipment Renewal	Unknown	Unknown
PK1024	Signs Renewal - All parks and reserves	Unknown	Unknown
PK1063	Carpark upgrades	Unknown	Unknown
PK2007	Pukekura Park Infrastructure - FOL Lights Renewal	Unknown	Unknown
PK2013	Playground Equipment Renewal - Kawaroa Park	2	High
PK2040	Fitzroy Surf Club Access Ramp Renewal	2	Medium
PK2300	Rotomanu Water Outlet	1	Extreme
PK3006	Coastal Walkway Barrier Renewals	2	High
PK3007	Coastal Walkway Timber Renewal	3	Medium

Project Budget Code	Project Description	Priority	Risk Level
Renewals Projects			
PK3008	East End Life Saving Club Boat Ramp Renewal	2	Low
PK3012	Huatoki Walkway Camden to Glenpark Ave Bridge renewal	1	High
PK3016	Parks Culverts	1	High
PK3022	Reserve Grazing Fencing Renewals	1	High
PK3023	Resource Consent Renewal Programme	1	Extreme
PK3024	Rogan Street Playground Renewal	2	High
PK3026	Rubbish Bin Renewals	1	Medium
PK3031	Urenui Swing Bridge Renewal & Erosion Protection	1	Extreme
PK3032	Waitara Cemetery Renew Concrete Driveway Ring Road		Medium
PK3045	Fernery Renewals	Unknown	Unknown
PK3046	Pukekura Park Path Renewal/Upgrades	Unknown	Unknown
PK3047	Pukekura Park Primary Path Lights Renewal	Unknown	Unknown
PK3048	Burial and Cremations Software	Unknown	Unknown
PK3052	Fitzroy Beach Wooden Boardwalk Renewal	Unknown	Unknown

Key: Strategic Projects (see Section 4: Strategic Framework of the Strategic Asset Management Plan)

There are a number of projects that will be delayed during the 10 year period of the AMP. Table 10 lists these projects and shows the level of risk that the Council is carrying by postponing these projects. (Note: these projects are from the projects list dated November 2020).

Table 10: Risk level and prioritisation for delayed projects

Project Budget Code	Project Description	Priority	Risk Level
Level of Service Projects			
PK1075	Accessible Fishing Waitara	2	Low
PK2050	East End Skate Park Improvements	3	Medium
PK3003	Brooklands Jellyman Walk Upgrade	2	Low
PK3004	Brooklands Park Drive Pony Rail and Lights Renewal	2	Low
PK3009	Fernery Water Recycling	2	Low
PK3013	Mangapouri Cemetery Dewatering Drainage	1	Medium
PK3019	Pukekura Park New Festival of Lights Infrastructure	1	Low
PK3020	Pukekura Park Operations Yard	3	Medium
PK3025	Rotomanu Water Inlet Upgrade	2	Medium
PK3028	Te Henui Cemetery Development	2	Low
PK3029	Urenui Domain Terraces Work	2	High
PK3034	White Cliffs Walkway	2	Low
PK3038	Coastal Walkway Realignment	2	High

Project Budget Code	Project Description	Priority	Risk Level
Level of Service Projects			
PK3041	Moa Project (Inglewood Community Board)	3	Low
PK3042	Te Kohia Pa	2	High
PK3044	Motorhome and Caravan Park (Inglewood Community Board)	Unknown	Unknown
Growth Projects			
PK1056	Esplanade Reserve Land Purchase - Inglewood	1	Medium
Renewals Projects			
PK2023	Courts Renewals - Trimble Park	1	Low
PK2030	Tongapurutu Boat Ramp Renewal	2	Low
PK2039	Back Beach Vehicle Ramp Renewal	3	Low
PK3033	Wind Wand Refurbishment (Completed July 2021)	1	High

Key: Strategic Projects (see Section 4: Strategic Framework of the Strategic Asset Management Plan)

7.2 Infrastructure Resilience Approach

Information regarding NPDC’s infrastructure resilience approach is provided in **Section 8: Risk Management**

of the **Strategic Asset Management Plan**. Additional information for the Parks and Open Space Service is provided below:

7.2.1 Natural Hazards and Climate Change

Climate change, variable weather patterns, increases in the number of severe weather events and rising sea levels could lead to increased coastal erosion, greater plant growth and potential increase in plant pests and diseases. Changes to legislation and compliance requirements in regard to these environmental factors will impact on how parks and open spaces services are delivered in the future, including the costs of providing services. Managing these factors is part of long-term planning for the Parks and Open Spaces Service.

Some assets are at risk of catastrophic failure as a result of natural hazard events such as earthquakes, tsunami and floods. For example, it is only in the last forty years that bridge design has incorporated modern earthquake standards (incorporating ductility). Further to this, insufficient hydraulic capacity or blockage of a bridge can mean failure of the bridge to pass surface runoff during high rainfall events. This can cause backup of floodwater,

flooding problems and washouts, forcing road closures and damage to adjacent property. Opportunities to build additional resilience into bridges and other structures is being considered in the risk and criticality assessments for assets.

The location of some parks and open spaces assets (i.e. coastal playgrounds) needs to consider climate change/ sea level rise. Further, the choice of materials also needs to take into account the coastal location, and playgrounds located in low lying areas require additional drainage.

The region is particularly susceptible to volcanic activity. Massey University research identifies that seismic activity is likely in the next 50 years with an 81% probability of Mount Taranaki erupting in that period. A volcanic event could cause major disruption through lahars and ash fall in the district, which would impact on parks and open space assets.

7.2.2 Compliance with Legislation and Resource Consent Conditions

As noted in **Section 3: Strategic Framework**, relevant planning documents for the Parks and Open Spaces Service are listed in **Appendix 1**. The Parks and Open Spaces Service holds a number of extant resource consents, with conditions that need to be actively monitored and complied with.

Some examples for compliance with legislation and resource consent conditions are provided below:

- Resource consent conditions require the Parks and Open Spaces Team to undertake an effects monitoring survey for seawalls once a year and structure monitoring every two years
- Brooklands Zoo is required to obtain an annual licence for exotic animals in accordance with EPA and MPI regulations

Resource consent conditions are currently being monitored through CS-VUE; however, the Parks and Open Spaces Service received an abatement notice from TRC for the Crematorium in 2019. The requirements of resource consent conditions need to be more closely monitored to avoid this occurring again. This is recorded as an improvement action in **Section 9: Improvement Plan**.

7.2.2.1 Soft Assets

Investment in biodiversity will continue over the life of this AMP by providing an ongoing comprehensive programme of plant and animal pest control in collaboration with TRC. NPDC will continue to work with TRC going forward and an improvement action recorded in **Section 9: Improvement Plan** is to improve pre-engagement with TRC to work on special conditions going forward, and to build a better relationship with TRC. Further details are provided below:

- The Council is committed to TRC's Predator Free Taranaki programme³. This requires NPDC to continue with the contracted urban trapping programme that TRC have put in place from 2021. Whilst a vast amount of this work is undertaken by volunteers there is still a contract component to this work and funding has been allocated – see Project **PK3001**.

- NPDC is required by TRC to undertake pest plant control throughout the district's roadsides and reserve land (this is part of Project **PK3001**). In the district's high profile areas (e.g. Pukekura Park) control is not an issue; however, in remote areas control has been reactive where TRC issues a Notice of Direction for non-compliances. This issue will be addressed through an improvement action recorded in **Section 9: Improvement Plan**.

The Council's Climate Action Framework⁴ has identified a requirement for carbon sequestration improvements across the district. A programme of 'Planting our Parks' has been initiated in order to deliver on the carbon sequestration outcomes alongside biodiversity improvements. As noted in **Section 4: Levels of Service**, the Proposed NPS-IB sets a requirement for 10% indigenous cover in the district. The current 8% of indigenous cover needs to be increased, requiring 34ha of land to be planted.

7.2.3 Pandemics

The Parks and Open Spaces Service follows Government guidelines for pandemics, such as COVID-19. This includes social distancing for events and closure of playgrounds, when required under the guidelines. It is a mandatory requirement for councils to report back to the community regarding the management

of COVID-19 effects.

As noted in **Section 5: Future Demand**, various large scale events frequently organised in the region attract large numbers of visitors (i.e. the WOMAD festival). Emergency management for large scale events such as pandemics will need to be considered going forward.

³ <https://www.trc.govt.nz/environment/working-together/towards-predator-free-taranaki/about-towards-predator-free-taranaki/>

⁴ <https://www.newplymouthnz.com/Council/About-the-Council/Climate-Response/climate-action-framework>

8. Financial Summary

This section provides a summary of the relevant financial information for the Parks and Open Spaces AMP. All financial forecasts are shown in inflation adjusted dollar values.

8.1 Funding Strategy

The Parks and Open Spaces Service is funded through general rates and fees and charges. Capital improvements are loan funded while the renewal and replacement of assets is funded from the Council's renewal reserves.

8.2 Asset Valuation

The last three yearly statutory valuation of fixed assets was conducted in 2019. The value of assets is related to criticality of the assets. A summary of the value of all assets is shown in **Table 11** (Note: this value excludes inflation). The criticality ratings will be determined following a review of critical assets. As noted in **Section 6.1.3**, there is an improvement action for criticality ratings in **Section 10: Asset Management Improvement Programme** of the **Strategic Asset Management Plan**.

There is no asset valuation for Services assets (**Parks and Open Spaces AMP: Volume 5**) as the buildings and assets associated with cemeteries, the Crematorium and Brooklands Zoo are included in the **Property AMP: Volume 7 - Parks and Open Spaces Buildings**. Also, Soft Assets (**Parks and Open Spaces AMP: Volume 6**) are not subject to valuation, and there is no dollar value for zoo animals⁵ so they have also not been subject to valuation.

Table 11: Parks and open spaces assets valuation

Asset Type	2019					Grand Total
	Critical	Important	Moderate	Non-Critical	To Be Determined	
Parks	\$3,707	\$113,679	\$378,510	\$40,469	\$70,841,139	\$71,377,504

Valuation of the low risk assets was conducted in detail by internal staff and valuation of significant high risk assets was undertaken by external engineering consultants. The internal valuation was subject to peer review and endorsed by engineering consultants.

⁵ Exotic zoo animals are on loan to NPDC and are technically owned by the ZAA

8.3 Opex and Capex Forecast Summary

The 10 year Opex and Capex forecast summary for parks and open spaces assets is shown in **Table 12**.

Table 12: Capex and Opex forecast summary

Parks and Open Spaces Expenditure Forecast												
Activity	21/22	22/23	23/24	24/25	25/26		26/27	27/28	28/29	29/30	30/31	LTP Total
General Operating Expenditure	8,057,381	8,255,800	8,454,804	8,608,694	8,589,553		9,010,924	9,156,843	9,553,618	9,860,054	10,495,271	90,042,943
Direct Cost of Activities	3,785,254	4,126,060	4,449,347	4,526,661	4,571,919		4,693,311	4,825,461	4,953,840	5,087,771	5,225,196	46,244,819
Internal Charges	3,178,826	3,358,376	3,608,362	3,764,266	4,284,051		4,168,322	4,433,101	4,643,644	4,769,372	4,533,119	40,741,438
Total Opex	15,021,461	15,740,235	16,512,513	16,899,621	17,445,523		17,872,558	18,415,405	19,151,103	19,717,197	20,253,586	177,029,201
Renewals	3,809,534	2,700,171	1,099,841	2,295,086	2,304,319		1,335,152	1,386,729	1,468,289	1,428,605	4,155,216	21,982,942
Level of Service	2,980,687	3,920,469	8,821,420	6,400,688	3,270,313		4,117,892	3,591,518	2,723,659	3,276,076	2,862,461	41,965,183
Growth	265,052	548,233	572,370	836,933	831,398		776,812	282,095	515,625	295,310	304,276	5,228,103
Total Capex	7,055,273	7,168,873	10,493,630	9,532,707	6,406,029		6,229,856	5,260,342	4,707,573	4,999,991	7,321,953	69,176,228

8.4 Level of Service Projects

Capex Forecast Summary

The Capex forecast for Level of Service Projects is shown in **Table 13**.

Table 13: Capex forecast for Level of Service Projects

Level of Service Expenditure Forecast																
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26		26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	% Renewal	% Levels of Service	% Growth
PK1003	Pukekura Park: New Festival of Lights Infrastructure	\$36,719	\$37,599	\$38,690	\$39,657	\$40,650		\$41,665	\$42,705	\$43,815	\$44,997	\$46,213	\$412,709	0	100	0
PK1037	Cemetery Memorial Beams	\$23,641	\$24,207	\$24,910	\$25,533	\$26,172		\$26,825	\$27,495	\$28,209	\$28,971	\$29,753	\$265,717	0	100	0
PK1034	Urenui Cemetery Extension	\$0	\$0	\$0	\$0	\$222,740		\$0	\$0	\$0	\$0	\$0	\$222,740	0	86	14
PK1038	Taranaki Traverse Land Acquisition	\$85,510	\$87,559	\$90,100	\$92,353	\$94,665		\$97,028	\$99,450	\$102,034	\$104,788	\$107,619	\$961,104	0	100	0
PK1067	Parks Management Plan Implementation	\$291,740	\$298,729	\$307,400	\$315,085	\$322,973		\$331,035	\$339,300	\$348,116	\$357,512	\$367,169	\$3,279,059	0	100	0
PK1072	New Play Space Development	\$0	\$0	\$0	\$217,989	\$225,171		\$230,792	\$0	\$0	\$0	\$0	\$673,952	0	86	14
PK2005	Pukekura Park Management Plan Implementation	\$53,338	\$54,616	\$55,986	\$57,607	\$59,049		\$60,523	\$62,271	\$63,402	\$65,113	\$67,129	\$599,034	0	100	0
PK2010	Kawaroa to Belt Road Cliff Erosion & Seawall	\$603,600	\$0	\$4,240,000	\$1,521,100	\$0		\$0	\$0	\$0	\$0	\$0	\$6,364,700	0	100	0
PK2011	Brooklands Zoo Planning Implementation	\$37,251	\$553,193	\$569,100	\$2,213,231	\$41,239		\$42,268	\$43,489	\$44,279	\$45,474	\$46,882	\$3,636,404	0	86	14

Level of Service Expenditure Forecast							
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26	
PK2054	Kaitake Trail	\$1,509,000	\$1,545,150	\$2,120,000	\$0	\$0	
PK3000	Accessible Beach Access to Three Sisters (Clifton Board)	\$0	\$0	\$31,800	\$0	\$0	
PK3005	Brooklands Park Drive	\$0	\$0	\$148,400	\$0	\$0	
PK3010	Hobson Street Yard Bulk Storage Bins ISO1400	\$0	\$0	\$0	\$0	\$0	
PK3011	Hobson Street Yard Wash-Down Bay ISO1400	\$0	\$0	\$0	\$0	\$0	
PK3014	Oakura Cemetery Develop Extension	\$0	\$0	\$64,660	\$0	\$0	
PK3016	Parks Culverts	\$0	\$30,903	\$0	\$0	\$0	
PK3017	Parks On-site Composting	\$0	\$0	\$0	\$0	\$278,425	
PK3021	Pukekura Park Water Quality	\$0	\$0	\$530,000	\$0	\$0	
PK3027	Sun Shade Sails Okato and Hickford Park Playgrounds	\$0	\$0	\$0	\$0	\$0	
PK3036	CBD Strategy Projects - Implementation	\$0	\$0	\$0	\$1,552,142	\$1,591,000	
PK3039	Inglewood Railway Station and Yard Land	\$0	\$0	\$0	\$0	\$0	

26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	%R	%LoS	%G
\$0	\$0	\$0	\$0	\$0	\$5,174,150	0	100	0
\$0	\$0	\$0	\$0	\$0	\$31,800	0	100	0
\$0	\$0	\$0	\$0	\$0	\$148,400	0	100	0
\$473,723	\$0	\$0	\$0	\$0	\$473,723	0	100	0
\$0	\$0	\$0	\$491,231	\$1,940	\$493,171	0	100	0
\$0	\$0	\$0	\$0	\$0	\$64,660	0	86	14
\$0	\$0	\$0	\$0	\$0	\$30,903	0	100	0
\$0	\$0	\$0	\$0	\$0	\$278,425	0	100	0
\$0	\$0	\$0	\$0	\$0	\$530,000	0	100	0
\$159,810	\$0	\$0	\$0	\$0	\$159,810	0	100	0
\$1,630,714	\$1,671,428	\$1,714,857	\$1,761,142	\$1,808,714	\$11,729,996	0	100	0
\$0	\$947,700	\$0	\$0	\$0	\$947,700	0	100	0

Level of Service Expenditure Forecast																
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26		26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	%R	%LoS	%G
PK3043	Te Rewa Co-Management Plan Implementation	\$0	\$515,050	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$515,050	0	100	0
PK3050	Rapanui Reserve Upgrade	\$0	\$0	\$0	\$0	\$66,822		\$0	\$0	\$0	\$0	\$0	\$66,822	0	100	0
PK3053	Onaero Recreation Reserve Improvements	\$0	\$339,933	\$349,800	\$358,545	\$0		\$0	\$0	\$0	\$0	\$0	\$1,048,278	0	100	0
PK3054	Land Purchase Inglewood link to Taranaki Traverse	\$0	\$0	\$0	\$0	\$0		\$684,900	\$0	\$0	\$0	\$0	\$684,900	0	100	0
Total		\$2,640,799	\$3,486,939	\$8,570,846	\$6,393,242	\$2,968,906		\$3,779,283	\$3,233,838	\$2,344,712	\$2,899,228	\$2,475,419	\$38,793,207			

Key: Strategic Projects (see Section 4: Strategic Framework of the Strategic Asset Management Plan)

8.5 Growth Projects Capex Forecast Summary

The Capex forecast for Growth Projects is shown in **Table 14.**

Table 14: Capex forecast summary for Growth Projects

Level of Service Expenditure Forecast																
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26		26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	%R	%LoS	%G
PK1046	Land Purchase - Area Q	\$232,519	\$238,090	\$245,001	\$251,126	\$257,412		\$263,838	\$0	\$0	\$0	\$0	\$1,487,986	0	4	96
PK1047	Park Development - Area Q Growth Area	\$0	\$213,254	\$218,603	\$224,930	\$230,561		\$236,316	\$243,144	\$247,558	\$254,239	\$262,111	\$2,130,717	0	4	96
PK1055	Esplanade & Local Reserve Land Purchase as per DP	\$261,560	\$267,826	\$275,600	\$282,490	\$289,562		\$296,790	\$304,200	\$312,104	\$320,528	\$329,186	\$2,939,846	0	86	14
PK2046	Land Purchase - Junction Growth Area	\$0	\$0	\$0	\$0	\$0		\$228,300	\$0	\$0	\$0	\$0	\$228,300	0	5	95
PK2047	Land Purchase - Upper Carrington Growth Area	\$0	\$0	\$0	\$0	\$267,288		\$0	\$0	\$0	\$0	\$0	\$267,288	0	5	95
PK3040	Land Purchase - Patterson Growth Area	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$240,080	\$0	\$0	\$240,080	0	0	100
Total		\$494,079	\$719,170	\$739,204	\$758,546	\$1,044,823		\$1,025,244	\$547,344	\$799,742	\$574,767	\$591,297	\$7,294,216			

8.6 Opex Projects related to Capex Projects Expenditure Forecast Summary

The Opex forecast for Opex Projects that are related to Capex Projects is shown in **Table 15**.

Table 15: Opex Projects related to Capex Projects forecast

Opex Forecast													
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25		25/ 26	26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total
PK1034	Urenui Cemetery Extension	\$0	\$0	\$0	\$16,200		\$0	\$0	\$0	\$0	\$0	\$0	\$16,200
PK1038	Taranaki Traverse Land Acquisition	\$0	\$76,800	\$89,565	\$0		\$0	\$158,858	\$0	\$0	\$0	\$0	\$325,223
PK1047	Park Development - Area Q Growth Area	\$75,000	\$76,800	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$151,800
PK1072	New Play Space Development	\$0	\$0	\$26,343	\$0		\$0	\$0	\$34,893	\$35,799	\$36,765	\$37,758	\$171,558
PK3037	Brooklands Zoo Strategic Implementation	\$0	\$51,200	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$51,200
PK2013	Playground Equipment Renewal - Kawaroa Park	\$0	\$5,120	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$5,120
PK2054	Kaitake Trail	\$0	\$0	\$0	\$129,600		\$132,840	\$136,164	\$139,572	\$143,196	\$147,060	\$151,032	\$979,464
PK2300	Rotomanu Water Outlet	\$0	\$512	\$527	\$540		\$554	\$567	\$582	\$597	\$613	\$629	\$5,120

Opex Forecast													
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25		25/ 26	26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total
PK3000	Accessible Beach Access to Three Sisters (Clifton Board)	\$0	\$512	\$527	\$540		\$554	\$567	\$582	\$597	\$613	\$629	\$5,120
PK3002	Brookland Bowl Stairs Renewal	\$0	\$0	\$0	\$0		\$0	\$567	\$582	\$597	\$613	\$629	\$2,988
PK3005	Brooklands Park Drive	\$0	\$1,536	\$1,581	\$1,620		\$1,661	\$1,702	\$1,745	\$1,790	\$1,838	\$1,888	\$15,360
PK3006	Coastal Walkway Barrier Renewals	\$0	\$0	\$0	\$0		\$0	\$1,135	\$1,163	\$1,193	\$1,226	\$1,259	\$5,975
PK3008	East End Life Saving Club Boat Ramp Renewal	\$0	\$512	\$527	\$540		\$554	\$567	\$582	\$597	\$613	\$629	\$5,120
PK3010	Hobson Street Yard Bulk Storage Bins ISO1400	\$0	\$0	\$0	\$0		\$16,605	\$0	\$0	\$0	\$0	\$0	\$16,605
PK3011	Hobson Street Yard Wash-Down Bay ISO1400	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$59,665	\$0	\$10,069	\$69,734
PK3012	Huatoki Walkway Camden to Glenpark Ave Bridge renewal	\$0	\$512	\$527	\$540		\$554	\$567	\$582	\$597	\$613	\$629	\$5,120
PK3014	Oakura Cemetery Develop Extension	\$0	\$0	\$527	\$540		\$554	\$567	\$582	\$597	\$613	\$629	\$4,608
PK3016	Parks Culverts	\$30,000	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
PK3017	Parks On-site Composting	\$0	\$0	\$0	\$27,000		\$0	\$22,694	\$23,262	\$23,866	\$24,510	\$25,172	\$146,504
PK3020	Pukekura Park Operations Yard	\$0	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$31,465	\$31,465

Opex Forecast						
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	
PK3021	Pukekura Park Water Quality	\$0	\$35,840	\$0	\$0	
PK3024	Rogan Street Playground Renewal	\$0	\$0	\$2,634	\$0	
PK3025	Rotomanu Water Inlet Upgrade	\$0	\$0	\$0	\$0	
PK3028	Te Henui Cemetery Development	\$0	\$0	\$0	\$0	
PK3031	Urenui Swing Bridge Renewal & Erosion Protection	\$40,000	\$0	\$0	\$0	
PK3033	Wind Wand Refurbishment	\$15,000	\$0	\$1,050	\$1,080	
PK3034	White Cliffs Walkway	\$0	\$0	\$0	\$0	
PK3036	CBD Strategy Projects - Implementation	\$0	\$153,600	\$158,055	\$162,000	
PK3042	Te Kohia Pa	\$0	\$0	\$0	\$0	
PK3043	Te Rewa Rewa Co-Management Plan Implementation	\$30,000	\$0	\$0	\$0	
PK3048	Burial and Cremations Software	\$7,442	\$8,765	\$2,940	\$3,889	
PK3050	Rapanui Reserve Upgrade	\$0	\$0	\$0	\$5,400	

25/ 26	26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total
\$0	\$0	\$0	\$0	\$0	\$0	\$35,840
\$0	\$0	\$0	\$0	\$0	\$0	\$2,634
\$0	\$0	\$0	\$0	\$0	\$31,465	\$31,465
\$0	\$0	\$0	\$0	\$0	\$12,586	\$12,586
\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
\$1,107	\$1,135	\$1,168	\$1,189	\$1,221	\$1,259	\$24,211
\$0	\$0	\$0	\$0	\$0	\$188,790	\$188,790
\$33,261	\$34,093	\$35,080	\$35,717	\$36,680	\$37,816	\$686,303
\$0	\$0	\$0	\$0	\$122,550	\$125,860	\$248,410
\$0	\$0	\$0	\$0	\$0	\$0	\$30,000
\$3,987	\$4,086	\$4,205	\$4,281	\$4,397	\$4,533	\$48,525
\$0	\$0	\$0	\$0	\$0	\$0	\$5,400

Opex Forecast													
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25		25/ 26	26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total
PK3050	Rapanui Reserve Upgrade	\$0	\$0	\$0	\$5,400		\$0	\$0	\$0	\$0	\$0	\$0	\$5,400
PK3052	Fitzroy Beach Wooden Boardwalk Renewal	\$496	\$512	\$525	\$540		\$554	\$568	\$584	\$595	\$611	\$630	\$5,614
PK3053	Onaero Recreation Reserve Improvements	\$75,000	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$0	\$75,000
PK3500	Climate Action Framework – Planting Our Parks	\$230,360	\$235,886	\$242,729	\$248,790		\$255,012	\$261,389	\$267,927	\$274,885	\$282,303	\$289,928	\$2,589,209
PK3501	Urenui and Onaero Adaptive Management Plan	\$3,500	\$3,584	\$3,161	\$324,000		\$0	\$0	\$0	\$0	\$0	\$0	\$334,245
Total		\$506,798	\$651,691	\$531,218	\$922,819		\$447,797	\$625,226	\$513,091	\$585,758	\$662,839	\$955,284	\$6,402,516

Key: Strategic Projects (see Section 4: Strategic Framework of the Strategic Asset Management Plan)

8.7 Renewals Projects Capex Forecast Summary

The Capex forecast for Renewals Projects is shown in **Table 16.**

Table 16: Capex forecast summary for Renewals Projects

Level of Service Expenditure Forecast																
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26		26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	%R	%LoS	%G
PK1011	Brooklands Zoo - Renewals	\$27,162	\$27,813	\$28,620	\$29,336	\$30,070		\$30,821	\$31,590	\$32,411	\$33,286	\$34,185	\$305,292	100	0	0
PK1014	Unplanned Renewals	\$60,383	\$61,830	\$63,381	\$65,215	\$66,848		\$68,516	\$70,227	\$72,052	\$73,996	\$75,995	\$678,442	100	0	0
PK1015	Lights renewals - all parks and reserves	\$50,300	\$51,505	\$53,000	\$54,325	\$55,685		\$57,075	\$58,500	\$60,020	\$61,640	\$63,305	\$565,355	100	0	0
PK1016	Structures renewals - parks and reserves	\$1,285,093	\$319,757	\$38,320	\$277,310	\$213,957		\$133,125	\$241,150	\$52,471	\$279,025	\$2,947,557	\$5,787,766	100	0	0
PK1017	Bridges renewals - parks and reserves	\$908,611	\$0	\$0	\$0	\$76,043		\$0	\$0	\$296,451	\$0	\$26,284	\$1,307,390	100	0	0
PK1021	Walkways & Paths Renewals	\$108,648	\$111,251	\$114,480	\$117,342	\$120,280		\$123,282	\$126,360	\$129,643	\$133,142	\$136,739	\$1,221,167	100	0	0
PK1022	Outdoor furniture renewal	\$43,258	\$44,294	\$45,580	\$46,720	\$47,889		\$49,085	\$50,310	\$51,617	\$53,010	\$54,442	\$486,205	100	0	0
PK1023	Playground Equipment Renewal	\$173,032	\$177,177	\$182,320	\$186,878	\$191,556		\$196,338	\$201,240	\$206,469	\$212,042	\$217,769	\$1,944,821	100	0	0
PK1024	Signs Renewal - All parks and reserves	\$54,324	\$55,625	\$57,240	\$58,671	\$60,140		\$61,641	\$63,180	\$64,822	\$66,571	\$68,369	\$610,583	100	0	0

Level of Service Expenditure Forecast																
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26		26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	%R	%LoS	%G
PK2013	Playground Equipment Renewal - Kawaroa Park	\$0	\$0	\$0	\$467,195	\$0		\$0	\$0	\$0	\$0	\$0	\$467,195	100	0	0
PK2040	Fitzroy Surf Club Access Ramp Renewal	\$0	\$0	\$0	\$0	\$79,073		\$0	\$0	\$0	\$0	\$0	\$79,073	100	0	0
PK2300	Rotomanu Water Outlet	\$250,536	\$987	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$251,523	100	0	0
PK3002	Brooklands Bowl Stairs Renewals	\$0	\$0	\$0	\$0	\$111,370		\$0	\$0	\$0	\$0	\$0	\$111,370	100	0	0
PK3006	Coastal Walkway Barrier Renewals	\$0	\$0	\$0	\$0	\$667,017		\$0	\$0	\$0	\$0	\$0	\$667,017	100	0	0
PK3007	Coastal Walkway Timber Renewal	\$80,511	\$82,440	\$84,507	\$86,953	\$89,130		\$91,355	\$93,995	\$95,701	\$98,284	\$101,327	\$904,202	100	0	0
PK3008	East End Life Saving Club Boat Ramp Renewal	\$0	\$44,423	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$44,423	100	0	0
PK3012	Huatoki Walkway Camden to Glenpark Ave Bridge renewal	\$180,386	\$710	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$181,097	100	0	0
PK3022	Reserve Grazing Fencing Renewals	\$22,140	\$22,671	\$23,240	\$23,912	\$24,511		\$25,123	\$25,849	\$26,318	\$27,028	\$27,865	\$248,656	100	0	0
PK3023	Resource Consent Renewal Programme	\$15,090	\$0	\$0	\$32,470	\$116,618		\$136,914	\$53,188	\$0	\$0	\$0	\$354,281	100	0	0
PK3024	Rogan Street Playground Renewal	\$0	\$0	\$0	\$233,598	\$0		\$0	\$0	\$0	\$0	\$0	\$233,598	100	0	0
PK3026	Rubbish Bin Renewals	\$51,326	\$52,555	\$53,874	\$55,433	\$56,820		\$58,239	\$59,922	\$61,009	\$62,656	\$64,596	\$576,429	100	0	0

Level of Service Expenditure Forecast																
Project Budget Code	Project	21/ 22	22/ 23	23/ 24	24/ 25	25/ 26		26/ 27	27/ 28	28/ 29	29/ 30	30/ 31	LTP Total	%R	%LoS	%G
PK3031	Urenui Swing Bridge Renewal & Erosion Protection	\$261,560	\$1,510,127	\$0	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$1,771,687	88	12	0
PK3032	Waitara Cemetery Renew Concrete Driveway Ring Road	\$0	\$0	\$26,500	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$26,500	100	0	0
PK3045	Fernery Renewals	\$25,150	\$25,753	\$26,500	\$27,163	\$27,843		\$28,538	\$29,250	\$30,010	\$30,820	\$31,653	\$282,678	100	0	0
PK3046	Pukekura Park Path Renewal/ Upgrades	\$55,330	\$56,656	\$58,300	\$59,758	\$61,254		\$62,783	\$64,350	\$66,022	\$67,804	\$69,636	\$621,891	100	0	0
PK3047	Pukekura Park Primary Path Lights Renewal	\$32,192	\$32,963	\$33,920	\$34,768	\$35,638		\$36,528	\$37,440	\$38,413	\$39,450	\$40,515	\$361,827	100	0	0
PK3048	Burial and Cremations Software	\$0	\$45,202	\$46,819	\$0	\$0		\$0	\$0	\$0	\$0	\$0	\$92,021	100	0	0
PK3052	Fitzroy Beach Wooden Boardwalk Renewal	\$0	\$0	\$0	\$270,720	\$1,067		\$0	\$0	\$0	\$0	\$0	\$271,787	100	0	0
PK1063	Carpark upgrades	\$158,948	\$162,756	\$167,480	\$171,667	\$175,965		\$180,357	\$184,860	\$189,663	\$194,782	\$200,044	\$1,786,522	50	50	0
PK2007	Pukekura Park Infrastructure - FOL Lights Renewal	\$43,258	\$44,294	\$45,580	\$46,720	\$47,889		\$49,085	\$50,310	\$51,617	\$53,010	\$54,442	\$486,205	100	0	0
Total		\$3,887,239	\$2,930,788	\$1,149,661	\$2,346,152	\$2,356,663		\$1,388,803	\$1,441,719	\$1,524,708	\$1,486,547	\$4,214,722	\$22,727,003			

9. Improvement Plan

This section provides information about the Parks and Open Spaces Service’s asset maturity and an Improvement Plan for this service. The general Asset Management Maturity Improvement Plan undertaken using the International Infrastructure Management Manual 2015 (IIMM) maturity guidelines is included in **Section 10: Asset Management Improvement Programme** of the **Strategic Asset Management Plan**.



9.1 Asset Management Maturity

An internal assessment of parks and open spaces asset management maturity was conducted in November 2020 using the IIMM maturity guidelines. The assessment covers 16 key areas of the specification and each area attracted a score between 0 and 4. A new assessment tool (IAM SAM 2014) was adopted in December 2020, refer **Section 10 - Strategic Asset Management Plan**. Future asset maturity assessments will be undertaken to align with this.

The maturity scores in most areas were assessed as being in the 1 – 2 range indicating that some improvement is required. The medium term plan i.e. during the 2020 and 2023 period is to increase maturity scores into the 2 – 3 range. The scores assessed for each of the 16 components and the aims to improve the scores to take the Parks and Open Spaces Service’s asset management practices from current ratings to Core, Intermediate and Advanced levels is shown in **Table 17**.

Table 17: Asset management maturity ratings score

Element	Aware	Basic	Core	Intermediate	Advanced
	0	1	2	3	4
Asset Management Policy Development					
Levels of Service and Performance Management					
Demand Forecasting					
Asset Register Data					
Asset Condition					
Decision Making					
Risk Management					

Key: Maturity rating status at 2020
 Proposed improvements to 2023

Table 17: Asset management maturity ratings score

Element	Aware	Basic	Core	Intermediate	Advanced
	0	1	2	3	4
Operational Planning					
Capital Works Planning					
Financial and Funding Strategies					
Asset Management Teams					
AMPs					
Management Systems					
Information Systems					
Service Delivery Mechanisms					
Improvement Planning					

Key: Maturity rating status at 2020
 Proposed improvements to 2023

The AMPs produced to date have therefore been developed during a period of basic asset maturity competence. There is an expectation that the next AMP developed for the next 10 Year Plan (2024-2034 LTP) will be at a more advanced maturity level.

9.2 Improvement Plan

General improvements identified for the Parks and Open Spaces Service and specific areas of improvement identified for different asset categories are listed in **Table 18**.

Table 18: Parks and Open Spaces AMP improvement actions summary

No.	Title	Description	Status	Business as usual or Sharepoint	Due Date
General Improvements (applies to the entire AMP)					
1	Design of assets	Involvement of the Operations Team is necessary during the commissioning and design phases for assets.	Currently underway	BAU	Ongoing
2	Resource consent compliance	Conditions of resource consents need to be closely monitored via CS_VUE to ensure compliance.	Currently underway	BAU	Ongoing
3	Relationship with TRC	Improve pre-engagement with TRC and the relationship with TRC.	Currently underway	BAU	Ongoing
Structures (Volume 1)					
4	Retaining walls	A threshold (e.g. height) needs to be set for including retaining walls in the AMP.	Currently underway	BAU	Ongoing
5	Risk assessment and prioritisation of bridge assets	Future improvement of all parks bridges is to have no very poor and have no poor bridges in the next 3 years.	Currently underway	BAU	Ongoing
6	Seawall maintenance plan	Develop a three to five year seawall maintenance plan for Opex on seawalls (foreshore protection structures).	Currently underway	BAU	Ongoing

Table 18: Parks and Open Spaces AMP improvement actions summary

No.	Title	Description	Status	Business as usual or Sharepoint	Due Date
Structures (Volume 1)					
7	Seawall effects monitoring survey	Undertake an effects monitoring survey for seawalls once a year and structure monitoring every two years in accordance with TRC resource consent conditions.	Currently underway	BAU	Ongoing
8	Structures asset inspections	Carry out structural assessments for Structures assets, including decks and retaining walls.	Completed		
9	Dams	Dams need to be identified and catalogued in EAM. They also need inspection and maintenance plans against them, and need to be inspected routinely by a competent person.	Currently underway	BAU	Ongoing
10	Decks	Decks need to be classified as either being critical or non-critical structures.	Completed		
11	Coastal Walkway	The Coastal Walkway needs to be inspected every 12 months in accordance with new TRC requirements.	Currently underway	BAU	Ongoing
Play Spaces (Volume 2)					
12	Playground design	Assess playgrounds against Creo's '5 Principles for Better Playground Design', which aim to ensure that the design of a playground meets the needs of the people who will use it. This includes the accessibility of playgrounds.	Currently underway with Playground Strategy	BAU	Ongoing
13	Cushion fall	The under surfacing (cushion fall) in some parks needs to be brought up to standard.	Currently underway	BAU	Ongoing

No.	Title	Description	Status	Business as usual or Sharepoint	Due Date
Roads, Car Parks and Paths (Volume 3)					
14	Annual condition assessments	As part of the Transportation Service's Term Services Contract, an external contractor is required to undertake annual condition assessments of roads and car parks, and prepare a schedule of planned maintenance for the Operations Teams.	Currently underway	BAU	Ongoing
Services (Volume 5)					
15	Community expectations for Brooklands Zoo	A Zoo Strategy is required to determine both the communities' expectations for this facility and the zoo's continuing role in the wider captive breeding programme through ZAA.	Scheduled 2022-2023	LTP	2022-2023
Soft Assets (Volume 6)					
16	Pest plant control	The Council is required to undertake pest plant control throughout the district's roadsides and reserve land; however, in remote areas control has been reactive where TRC issues a Notice of Direction for non-compliances.	Currently Underway	BAU	Ongoing

Glossary

AMP	Asset Management Plan
AS/NZS	Australian/New Zealand Standards
Capex	Capital Expenditure
CBD	Central Business District
EAM	Enterprise Asset Management
ECM	Enterprise Content Management
EPA	Environmental Protection Agency
FOL	Festival of the Lights
GIS	Geographic Information System
IIMM	International Infrastructure Management Manual
LED	Light-emitting diode
LGA	Local Government Act 2002
LTP	Long Term Plan
MPI	Ministry for Primary Industries
NPDC	New Plymouth District Council
NRB	National Research Bureau
NPS-IB	National Policy Statement for Indigenous Biodiversity
OBIS	Online Bridge Information System
ODRC	Optimised Depreciated Replacement Cost
Opex	Operational Expenditure
RMA	Resource Management Act 1991
RUL	Remaining Useful Life
SDC	Stratford District Council
SH	State Highway
STDC	South Taranaki District Council
TRC	Taranaki Regional Council
TSB	Taranaki Savings Bank
WOMAD	World of Music Arts and Dance
ZAA	Zoo and Aquarium Association



Appendix I – Relevant legislation and other documents

Document	Relevance to the Parks and Open Spaces AMP
Legislation	
LGA 2002 and Amendments	This Act sets the statutory requirements for local governments and includes the mandatory preparation and adoption of a 30 year Infrastructure Strategy that underpins each LTP.
Resource Management Act 1991 and Amendments (RMA)	This is the primary legislation dealing with the management of natural and physical resources. It provides a national framework to manage land, air, water and soil resources, the coast, subdivision and the control of pollution, contaminants and hazardous substances.
Fire and Emergency New Zealand Act 2017 and Amendments	This Act provides the framework under which Fire and Emergency New Zealand operate.
Local Government (Rating) Act 2002 and Amendments	This Act empowers local government to level property taxes (rates). All land, unless otherwise excepted, is rateable.
Civil Defence Emergency Management Act 2002 and Amendments	This Act requires that an emergency management plan is maintained and reviewed annually and that it is accepted as suitable by independent review.
Health and Safety at Work Act 2015 and Amendments	The objective of this Act is to promote the prevention of harm to all people at work, and others in, or in the vicinity of, places of work.
Building Act 2004 and Amendments	This Act applies to the construction of new buildings as well as the alteration and demolition of existing buildings.
Public Works Act 1981 and Amendments	This Act acknowledges that works often cannot be carried out without affecting private landowners. It provides the Crown with legislative powers to compulsorily acquire land for public works so that public works proposals are not unreasonably delayed.
Climate Change Response Act 2002 and Amendments	This Act created a legal framework for NZ to ratify the Kyoto Protocol and to meet obligations under the United Nations Framework Convention on Climate Change.
Reserves Act 1977 and Amendments	This Act provides for the preservation and management of areas with recreational, wildlife, landscape amenity or scenic value.

Document	Relevance to the Parks and Open Spaces AMP
Legislation	
Burial and Cremation Act 1964 and Amendments	This Act sets out the requirements for local authorities to provide and manage cemeteries.
Health Act 1956 and Amendments	This Act sets out the powers and duties of local authorities. Subject to the provisions of this Act, it is the duty of each local authority to improve, promote, and protect public health within its district.
Births, Deaths, Marriages, and Relationships Registration Act 1995 and Amendments	This Act sets out the requirements for deaths in NZ.
Fencing Act 1978 and Amendments	This Act deals with the erection and repair of dividing fences.
Biosecurity Act 1993 and Amendments	The Act enables the exclusion, eradication, and effective management of pests and unwanted organisms. The Act provides the framework for establishing surveillance to detect organisms in NZ and for the control and eradication of pests.
Animal Welfare Act 1999 and Amendments	The Act establishes a duty upon the owners or persons in charge of animals to care for those animals properly. It contains provisions to prevent ill treatment and inadequate care of animals, and regulates the use of traps and devices that have the potential to cause pain or distress to animals.
Regulations	
Electricity (Hazards from Trees) Regulations 2003 and Amendments	The Regulations cover the trimming of trees near power lines. They help promote safety and maintain electricity supply.
Burial and Cremation Regulations 1973 and Amendments	The Regulations set out requirements for the operation and closure of crematoriums, and for cremations.
Health (Burial) Regulations 1946 and Amendments	The Regulations set out requirements for funeral directors and mortuaries.
Burial and Cremation (Removal of Monuments and Tablets) Regulations 1967 and Amendments	The Regulations set out requirements for monuments and tablets.

Document	Relevance to the Parks and Open Spaces AMP
<i>Policies and Strategies</i>	
NPDC General Policies for Council Administered Reserves (P06-003) 2006	This document consolidates policies that apply to all reserves owned and/or administered by NPDC. It is intended to provide a common understanding between the Council and the community of how reserves in the district will be managed, and aims to help achieve consistency and accountability in decision making while taking into account public interest.
NPDC Coastal Strategy 2006	The Strategy guides development and change in the district's coastal environments. It reflects how the community and the Council wish to see the coastal environment protected, used and managed in the future.
NPDC Coastal Erosion Strategy 1995	The Strategy sets out courses of action for specified areas in the district.
NPDC Cycle Strategy 2007	The purpose of this Strategy is to set priorities for works and initiatives to be carried out regarding the planning, managing and promoting of cycling in the district.
NPDC District Tree Policy 2008	The purpose of this Policy is to outline the Council mandate regarding the stewardship of its tree resource and to provide consistency in decision making on the management of trees and bush remnants on Council-administered land.
NPDC Park and Reserve Management Implementation Fund Policy	This Policy sets out the objectives and guiding policies for the fund. It also sets out the methodology for prioritisation of projects within the fund.
NPDC TSB Stadium Multisport Development Master Plan 2012 (and amendments)	This Master Plan covers the development of the Pukekura racecourse area for multisport facilities.
NPDC Open Space Sport and Recreation Strategy 2015	The Strategy provides a strategic framework to plan for open space, sport and recreation for the community for the next 30 years. The Strategy identifies NPDC's Level of Service for providing open space and recreation facilities that meet community recreational needs.
TRC Regional Coastal Plan for Taranaki 1997	The purpose of the Plan is to promote the sustainable management of natural and physical resources in relation to the coastal marine area. It will eventually be replaced by the Proposed Coastal Plan.

Document	Relevance to the Parks and Open Spaces AMP
<i>Policies and Strategies</i>	
TRC Draft Coastal Plan for Taranaki 2016	This non-statutory document preceded the Proposed Coastal Plan. The Draft Plan lays out the measures TRC believes are needed to meet community needs and expectations for the use of the coastline and coastal waters, including rules covering discharges and noise.
TRC Proposed Coastal Plan for Taranaki 2018	This is a 10 year plan and will become operative on the date that TRC's special resolution adopting the Plan is publicly notified.
TRC Regional Walking and Cycling Strategy for Taranaki 2007	This Strategy provides a framework for developing and implementing a range of walking and cycling related initiatives in the region and is an extension on NZ's commitment to promoting walking and cycling throughout the country.
Operative New Plymouth District Plan (2005) and Proposed New Plymouth District Plan (2019)	The District Plan includes objectives, policies and rules that manage the adverse effects of activities on the environment with a focus on land use and subdivision activities.
Regional Policy Statement for Taranaki 2010	The purpose of this document is to promote the sustainable management of natural and physical resources in the region by providing an overview of the resource management issues of the region, and to identify policies and methods to achieve integrated management of the natural and physical resources of the whole region.
Regional Air Quality Plan for Taranaki 2011	This document sets out the strategic direction that the Council and the wider community will take to promote the sustainable management of natural and physical resources insofar as these resources are affected by discharges to air. It also sets out the strategic direction for integrated management in the region between TRC and the three district councils (NPDC, STDC, and SDC).
Regional Fresh Water Plan 2001 (amended in 2018)	The purpose of this Plan is to assist TRC to promote the sustainable management of the fresh water resources of the region.
Regional Soil Plan 2001 (amended in 2018)	The purpose of this Plan is to assist TRC to carry out its soil conservation functions under the RMA.

Document	Relevance to the Parks and Open Spaces AMP
<i>Policies and Strategies</i>	
New Zealand Coastal Policy Statement 2010 (NPCPS)	The purpose of the NZCPS is to state policies in order to achieve the purpose of the RMA in relation to the coastal environment.
Proposed NPS-IB (2019)	Sets out the objectives and policies to identify, protect, manage and restore indigenous biodiversity under the RMA. The nationally coordinated response in the Proposed NPS-IB ensures the decline is halted and indigenous species, habitats and ecosystems are supported to thrive.
National Policy Statement for Freshwater Management (2020)	Sets out the objectives and policies for freshwater management. The objective of this National Policy Statement is to ensure that natural and physical resources are managed in a way that prioritises: (a) First, the health and well-being of water bodies and freshwater ecosystems (b) Second, the health needs of people (such as drinking water) (c) Third, the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future
<i>Standards</i>	
NZ Standard NZS 4282:2019 - Control of the obtrusive effects of outdoor lighting	The objective of this Standard is to provide a common basis for assessment of the likely effects of developments that involve the provision of outdoor lighting.
NZ Standard NZS 5828:2015 - Playground equipment and surfacing	This Standard specifies general requirements for playground equipment and surfacing. Use of this Standard promotes and encourages playgrounds that are well designed, well-constructed, well maintained, innovative, and challenging.
NZ Standard NZS 4404:2010 – Land development and subdivision infrastructure	This Standard provides criteria for design and construction of land development and subdivision infrastructure.
NPDC, STDC, and SDC Land Development and Subdivision Infrastructure Standard (Local Amendments Version 3)	This Standard is based on NZS 4404:2010.
NZ Standard NZS 4242:1995 – Headstones and cemetery monuments	This Standard specifies minimum structural design criteria, performance and renovation requirements for cemetery monuments and crematoria memorial gardens above and below the natural ground surface.

Document	Relevance to the Parks and Open Spaces AMP
<i>Standards</i>	
Waka Kotahi standards for roads and car parks	Waka Kotahi provides guidelines/minimum standards for roads and car parks.
Resource Management (National Environmental Standards for Air Quality) Regulations 2004 (Air Quality NES)	The Air Quality NES are regulations made under the RMA. They aim to set a guaranteed minimum level of health protection. The Air Quality NES include controls for landfills with a total capacity of one million tonnes or more, containing 200,000 tonnes of waste or more, and accepting waste likely to consist of 5% or more (by weight) of putrescible or biodegradable matter. The discharge of gas to air from a landfill is prohibited unless certain criteria are met.
Resource Management (National Environmental Standards for Freshwater) Regulations 2020 (Freshwater NES)	The Freshwater NES regulates activities that pose risks to the health of freshwater and freshwater ecosystems.
Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011 (NESCO)	The NESCS is a nationally consistent set of planning controls and soil contaminant values. It ensures that land affected by contaminants in soil is appropriately identified and assessed before it is developed - and if necessary the land is remediated or the contaminants contained to make the land safe for human use.
<i>NPDC Management Plans</i>	
New Plymouth District Neighbourhood Reserves Management Plan 2009	This Plan applies to all neighbourhood reserves in which NPDC is vested as the administering body under the Reserves Act. It sets out objectives and policies in order to provide guidance to the Council about how these reserves will be managed and developed. Development concepts, which provide a vision for the future of each park or reserve, are also presented in this Plan.
Waitara Neighbourhood Parks Management Plan 2009	This Plan applies to all neighbourhood parks in Waitara. It sets out objectives and policies in order to provide guidance to the Council about how these reserves will be managed and developed. Development concepts, which provide a vision for the future of each park or reserve, are also presented in this Plan.

Document	Relevance to the Parks and Open Spaces AMP
NPDC Management Plans	
Green Spaces Management Plan 2019	This Plan applies to all green space reserves where the Council is the owner of the land or where the Crown has either vested the land in the Council or appointed the Council to control and manage pursuant to the Reserves Act. The Plan sets out objectives and policies that provide guidance to the Council and community about how these reserves will be managed and developed.
Coastal Reserves Management Plan 2006	This Plan only addresses those reserves administered by NPDC under the Reserves Act. It sets out objectives and policies for each reserve in order to provide guidance about how these reserves will be managed. The Plan fulfills the requirements for a reserve management plan under the Reserves Act.
Pukekura Park Management Plan 2004	This Plan is a strategic document providing a clear vision, direction and mandate for the current and future management of Pukekura Park through the formulation of general management objectives, goals and policies.
Historic Reserves Management Plan 2010	This Plan that applies to all historic reserves in which the Council is vested as the administering body or has appointment to control and manage under the Reserves Act. It sets out objectives and policies in order to provide guidance to the Council about how these reserves will be managed and developed. Development concepts, which provide a vision for the future of each park or reserve, are also presented in this Plan.
Cemeteries Management Plan 2012	This Plan identifies appropriate uses and activities within each cemetery to assist with day to day management and decision making. It sets out objectives and policies in order to provide guidance to NPDC and the community about how these reserves will be managed and developed.
Lake Mangamahoe Management Plan 2011	This Plan has been developed to identify appropriate uses and activities at Lake Mangamahoe and assist with day to day management and decision making. It sets out objectives and policies for the use, development and protection of the area.

Document	Relevance to the Parks and Open Spaces AMP
NPDC Management Plans	
Sports Parks Management Plan 2012	This Plan applies to all community sports grounds in which the Council is vested as the administering body or has appointment to control and manage under the Reserves Act. It sets out objectives and policies in order to provide guidance to the Council about how these reserves will be managed and developed. Development concepts, which provide a vision for the future of each park or reserve, are also presented in this Plan.
Barrett Domain Management Plan 2013	This Plan has been developed to identify appropriate uses and activities at Barrett Domain and assist with day to day management and decision making. It sets out objectives and policies for the use, development and protection of the area.
Tongaporutu Reserve Management Plan 2015	This Plan has been developed to identify appropriate use and activities at the reserve and assist with day to day management and decision making by setting objectives and policies for the use, enjoyment, maintenance, protection, preservation and development of the area.
NPDC Bylaws	
Animals Bylaw 2020	The purpose of this bylaw is to control the keeping of animals (including pigs, poultry, bees, livestock and cats) within the district to ensure they do not create a nuisance or endanger health to neighbours and other members of the public; and to regulate the slaughtering of animals to avoid causing nuisance or offence.
Cemeteries and Crematoria Bylaw 2020	The purpose of this bylaw is to facilitate the orderly, safe, and efficient management of cemeteries and crematoria under the control of the Council; and minimise the potential for offensive behaviour in cemeteries and crematoria under the control of the Council.
Bylaw 2008: Part 6 Recreation and cultural facilities	The purpose of this part of the bylaw is to facilitate the full and proper use and enjoyment by the public of the recreation and cultural facilities provided by the Council.
Bylaw 2008: Part 8 Skateboards	The purpose of this part of the bylaw is to control the riding of skateboards and other similar devices in public places where a nuisance or injury may be caused to pedestrians or damage caused to Council property.

Document	Relevance to the Parks and Open Spaces AMP
NPDC Bylaws	
Bylaw 2008: Part 5 Public Places (as amended and readopted September 2014)	The purpose of this part of the bylaw is to ensure acceptable standards of convenience, safety, visual amenity and civic values are maintained in public places for the wellbeing and enjoyment of citizens, businesses and visitors within the district now and in the future.
Bylaw 2008: Part 7 Signs (as amended and readopted September 2014)	The purpose of this part of the bylaw is to ensure that any signs on any public place are erected and maintained in such a manner that they do not present a hazard or danger to the public and regulate the type and location of advertising signs on parks and reserves or other public places.
Brooklands	
Standard for Zoo Containment Facilities 2018	This Standard describes the requirements for building, maintaining, and operating zoo containment facilities, that hold new organisms. Under the Biosecurity Act, zoo containment facilities and their operators are required to comply with this standard. Brooklands Zoo houses introduced animals and organisms (e.g. monkeys, otters, frogs and birds) that could pose a risk to the biosecurity of NZ if they breach the zoo confines.
ZAA policies	To concentrate breeding programmes on threatened or endangered species, based on the recommendations of the Australasian Species Management Programme and Department of Conservation captive management programme.
Brooklands Zoo Containment Manual (2018)	This document is an operational manual intended to define how Brooklands Zoo will be managed in accordance with contemporary animal care practice and current regulations.
Brooklands Zoo Proposition: A Strategic Focus (2019)	The purpose of this document is to highlight the story and development of the zoo, contextualise the zoo in local, regional and global practices, trends, planning and partnerships, outline NPDC's current focus and programme for the zoo, and to test a strategic refocus' for the zoo's development with current and potential partners and stakeholders.

Document	Relevance to the Parks and Open Spaces AMP
Other	
Outdoor Standard Sign System Manual (2017)	This Manual covers the initiation, design, construction, siting, installation, and maintenance standards of the NPDC Outdoor Sign System.
Creo's '5 Principles for Better Playground Design' and the document titled 'Council Play space Design + Build Guide'	The five principles aim to ensure that the design of a playground meets the needs of the people who will use it.

2021 – 2031 Parks And Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui

Volume 1 – Structures

Pukapuka Tuatahi – Ngā Hangatanga

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I. Introduction

This volume provides descriptions for the assets covered by the structures asset category of the Parks and Open Spaces AMP, including general structures, bridges, and foreshore protection structures. It also contains details for the asset lifecycle management of these assets.

The Parks and Open Spaces Service provides high quality facilities and structures for use by the public within parks and open spaces. General structures include, for example, archways, a grandstand, shelters, jetties, boat ramps, decks, pedestrian ramps, fences, gates, walls, steps, barriers, and weirs.

Bridges include pedestrian bridges, vehicular bridges, suspension bridges and tunnels. They provide connectivity for the walkways and roads that belong to the Parks and Open Spaces Service’s portfolio.

Foreshore protection structures include rock/boulder seawalls, combo rock/concrete seawalls, large rock/ boulder river groynes and concrete river groynes. These structures protect the foreshore from erosion and provide the supporting structure for walkways and cycleways.

I.I Asset Descriptions

The number of assets in each category for structures assets is summarised in **Table 1**. Further information for these assets is provided in **Sections 1.1.1 to 1.1.3** below.

Table 1: Asset summary

Asset Category	Number
General Structures	9,915
Bridges	72
Foreshore Protection	39

As detailed throughout this document, updated information regarding structures assets has not yet been added to EAM. There is an improvement action for data in **Section 10: Asset Management Improvement Programme** of the **Asset Management Strategy**.

I.I.I General Structures

General structures include a variety of assets as summarised in **Table 2**. These assets are constructed from a range of materials including ponga, timber and concrete etc.

Table 2: General structures asset summary

Asset Type	Number	Asset Type	Number
Archway - decorative	2	Flag pole	1
Band rotunda	2	Grandstand	1
Barrier - 3 wire fence and galvanised poles on lookout	1	Handrail - chain link and pole along track (Paritutu rock)	1
Concrete deck	1	Handrail - wooden adjoining steps (Paritutu rock)	1
Concrete stage	1	Information cabinet	2
Deck	24	Jetty	7
Deck (boardwalk)	6	Lake edge - geocloth retaining wall	12
Earth dam	1	Lake edge - timber retaining wall	7
Fernery tunnel #1	1	Model boat launch jetty	1
Fernery tunnel #2	1	Retaining walls - concrete retaining wall	5
Fernery tunnel #3	1	Retaining walls - geocloth wall	2
Fernery tunnel #4	1	Retaining walls - geogrid reinforced soil wall	3
Fernery tunnel #5	1	Retaining walls - rock retaining wall	2
Tunnel - mangati walkway	1		

Table 2: General structures asset summary

Asset Type	Number	Asset Type	Number
Retaining walls - timber retaining wall	10	Weir structures - concrete with timber gate	1
Shed	2	Weir structures - timber	1
Shelter	17	Welcome sign	2
Staircase - wooden (Paritutu rock)	1	Fences (47,815m)	304
Steps - boxing type [150+] (Paritutu rock)	1	Gates	350
Steps (swimming pool to road)	1	Walls	158
Steps and platforms	1	Steps	5,981
Vehicular ramp - concrete	1	Barriers	2,996
Water wheel	1	Total	9,910
Weir structures	2		

A threshold for including retaining walls in the AMP needs to be set (i.e. categorised by height). This is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

I.I.2 Bridges

The Parks and Open Spaces Team services 72 bridge assets, including pedestrian bridges, vehicular bridges, suspension bridges, and tunnels. Two of these bridges are located within forest areas and are managed by the Property Team (see **Section 2: Introduction** of

the **Property AMP: General Volume**). The bridges are constructed from a variety of materials including concrete, timber, concrete/steel, earth covered with concrete beams, steel and timber/steel.

I.I.3 Foreshore Protection

The 39 foreshore protection assets in this category include rock and/or boulder seawalls, large rock/boulder

river groynes, concrete river groynes, and Coastal Walkway decks¹.

2. Lifecycle

2.1 Identify Need and Plan

Acquisitions are required for structures, for example, the Kawaroa to Belt Road cliff erosion and seawall project (Project: **PK2010**). Further details about projects

identified during the 10 year AMP period are provided in the **Parks and Open Spaces AMP: General Volume**.

1. This AMP Volume only covers the Coastal Walkway decks. The Coastal Walkway itself is covered in the **Parks and Open Spaces AMP: Volume 3 – Roads, Car Parks and Paths**.

2.1.1 Asset Condition

Information regarding the condition of structures assets has been obtained from EAM. The majority of assets were assessed during 2018-2020; however, most of this updated information has not yet been added to EAM. Available information is provided below, including data from the **2018-2028 Parks AMP**.

General Structures

For the purpose of assessing condition, general structures are split into two categories:

- (i) Miscellaneous low risk assets include steps, fences, gates, walls, and barriers (listed in Table 2). The data from the 2021 inspections have been completed, the latest condition grades of these assets and are in the process of being added to the EAM system. It is noted; however, that the previous inspections in 2013 and 2017 determined that the majority of these assets were less than 30% through their useful lives, and based on this, 75% of these assets were graded Good (or very Good) Condition (Grade 2).

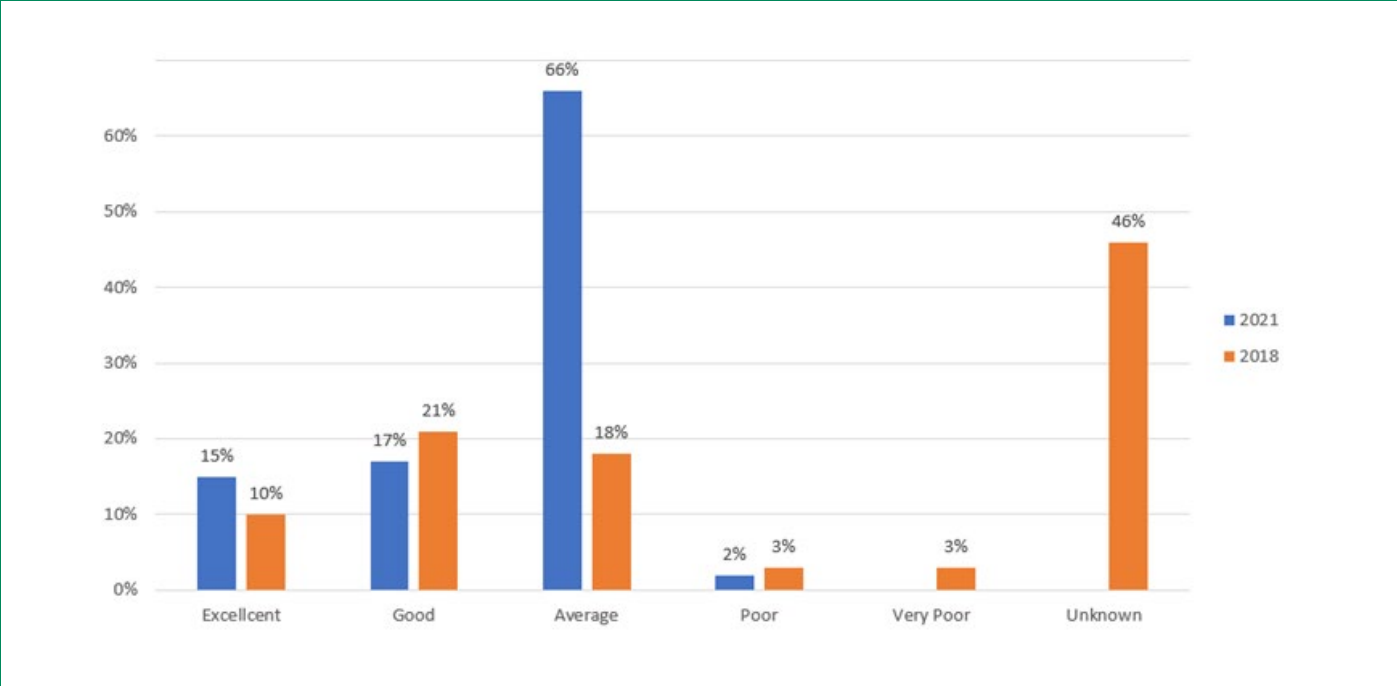
- (ii) There are 121 significant structures. These are higher risk structures and include all the other asset types listed in Table 2. Many of these assets are high use, with high visibility and high individual replacement cost. Recent inspections and structure renewals have improved the data, which is provided in this AMP.

As per the low risk assets noted above, data from the 2021 inspections has not yet been added into EAM; therefore, the latest condition grades of these assets has not been included in this AMP (see the improvement action noted above).

Bridges

Many of the bridge assets are high use, with high visibility and high individual replacement cost. The last inspections were completed in 2021 and information has been added to EAM. The overall condition grades for bridge assets are shown in the graph in Figure 1, which shows that the condition has improved since 2018 due to maintenance and renewals. The two poor bridges are scheduled to be replaced in this 2021/2022.

Figure 1: Bridges Condition grades 2021 and 2018



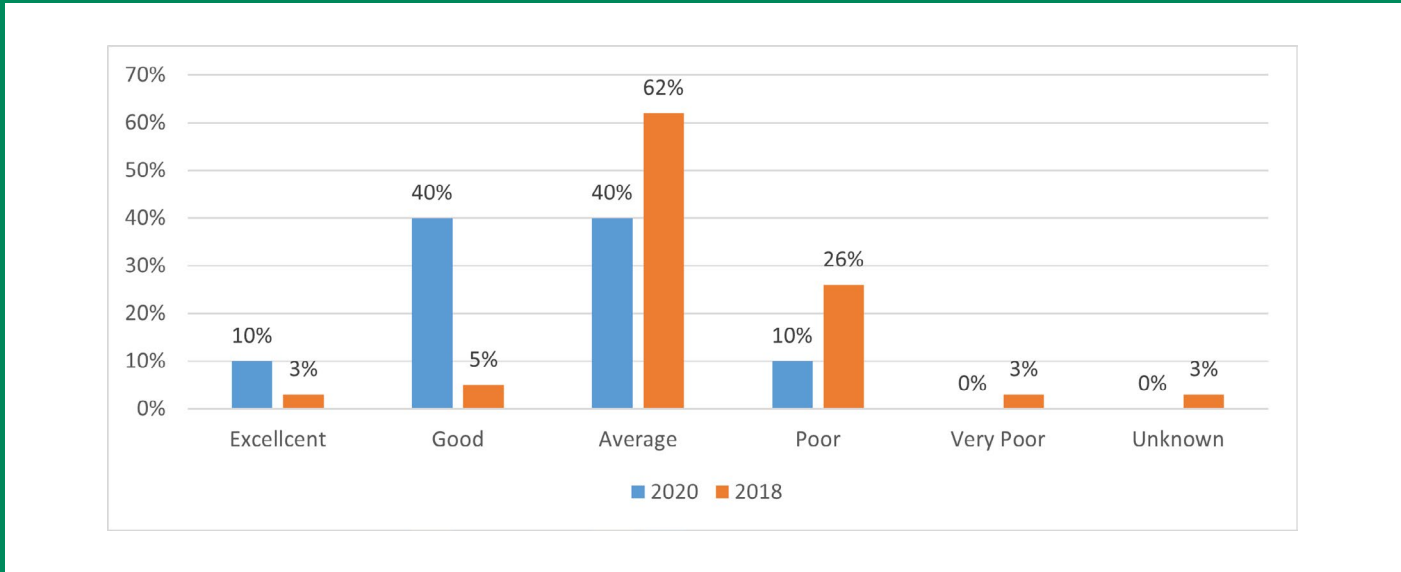
The Parks and Open Spaces Service has proposed a risk assessment and prioritisation of bridge assets using the methodology applied to the Transportation Service’s bridges (refer to **Section 6: Activity Lifecycle** of the **Transportation AMP**). This includes assessing factors such as flooding, seismic exposure, year of construction, corrosiveness, material, and scour condition etc. The Parks and Open Spaces Service are now inspecting bridges the same way as the Transportation Service’s bridges to ensure a consistent and rigorous approach is taken to these significant high criticality assets.

Foreshore Protection

Many of the foreshore protection assets are high use, with high visibility and high individual replacement cost. The last inspections of these assets was completed in 2020. The data from the inspections has not yet been added into EAM.

The condition grades for foreshore protection assets shown in the graph in **Figure 2** are from the data collected in the 2020 inspections. The majority of foreshore protection assets are in Average Condition (Grade 3) (62%).

Figure 2: Foreshore protection condition grades 2020 compared to 2018



2.1.2 Asset Remaining Lives

The RUL of an asset generally depends on its construction materials, with variation based on usage and environment. Details for the RUL of structures assets are provided below.

General Structures

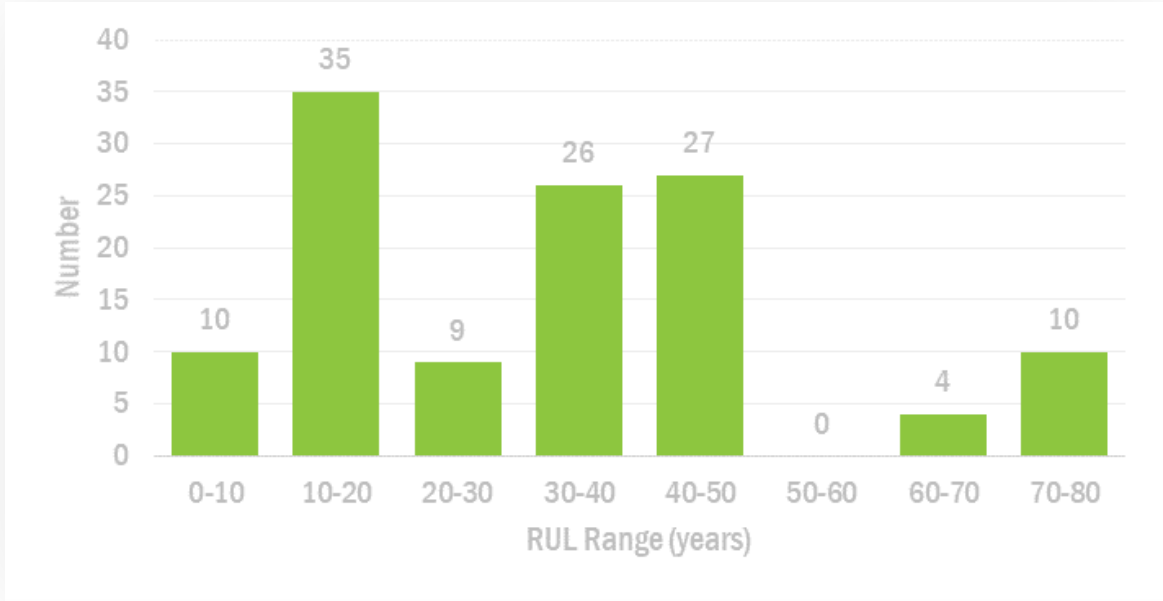
As noted in above, the data from the 2020/21

inspections has not yet been added to EAM. For this reason, the RUL for general structures assets has not been updated since the **2018-2028 Parks AMP** was published and there is an improvement action noted above for this. Information from the **2018-2028 Parks AMP** for some of the general structures (both low risk assets and significant assets) is provided in **Table 3**.

Table 3: General structures average expected lives

Asset Category	Average Expected Life	Asset Category	Average Expected Life
Archways	50	Gates	25
Band Rotundas	80	Walls - restricted access	75
Grandstand	80	Walls - retaining ponga	25
Shelters	48	Walls - retaining wood	67
Jetties	46	Walls - retaining concrete/stone	75
Boat Ramps - concrete	30	Walls – geo-cloth/geogrid	50
Boat Ramps - precast	30	Steps - concrete	75
Decks	36	Steps - wood	20
Pedestrian ramps (concrete)	72	Barriers - wood, steel	23
Vehicular ramps	80	Barriers - Steel, concrete	25
Vehicular ramps	50	Weirs	50
Fences	25		

Figure 3: Significant structures remaining useful lives



The graph in **Figure 3** shows the results of the RUL assessments for significant structures as per the information in the **2018-2028 Parks AMP**.

Bridges

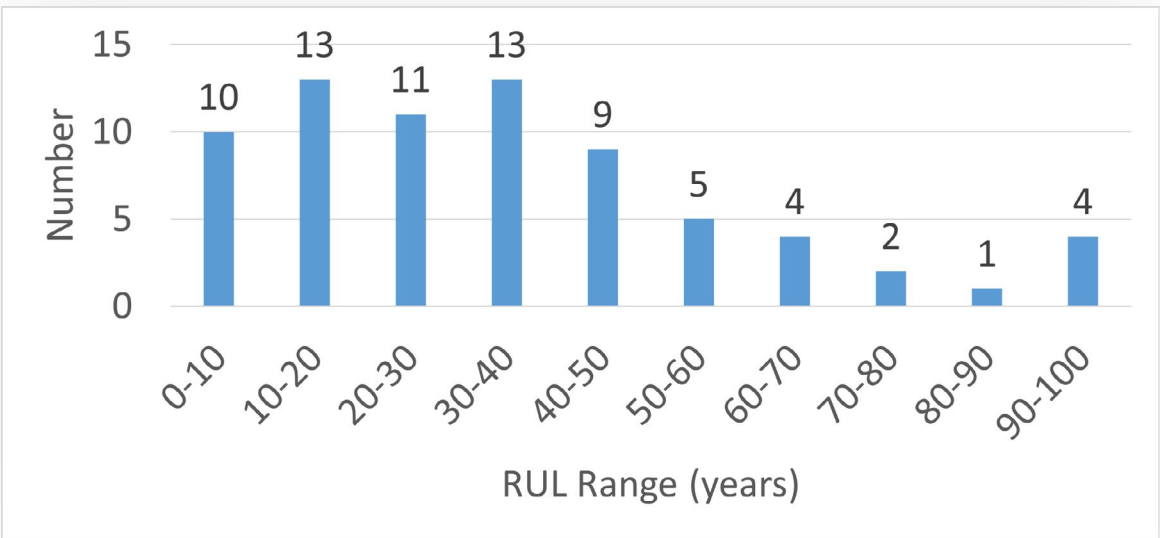
As noted above, the data from the 2018 inspections has been added to EAM; however, the RUL for bridge assets has not been updated since the **2018-2028 Parks AMP** was published and there is an improvement action noted above for this. Information from the **2018-2028 Parks AMP** for the RUL for bridge assets is provided in **Table 4**.

Table 4: Bridges average expected lives

Asset Category	Average Expected Life
Pedestrian bridges wood, concrete	50-80
Vehicular bridges wood, concrete	50-80
Suspension bridges	50
Tunnels	80

Although the information in Table 4 has not been updated, data for the RUL of bridges assets was included in the 2019 valuation (and has been added to EAM) and is more up to date. This information is provided in the graph in **Figure 4**.

Figure 4: Bridges remaining useful lives



Foreshore Protection

As noted above, the data from the 2020 inspections has not yet been added to EAM. For this reason, the RUL for foreshore protection assets has not been updated since the **2018-2028 Parks AMP** was published and there is an improvement action noted above for this. Information from the **2018-2028 Parks AMP** is provided in **Table 5**.

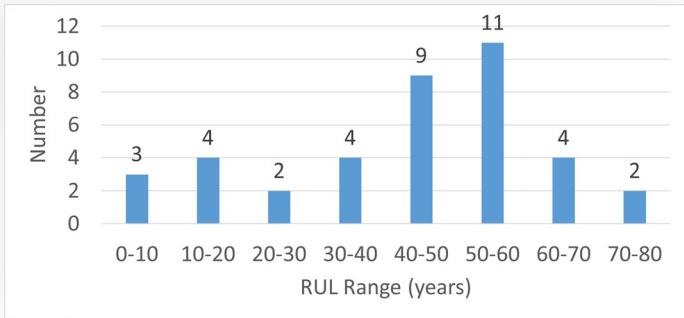
Table 5: Foreshore protection average expected lives

Asset Category	Average Expected Life
Rock/boulder seawalls	80
Combo rock/concrete seawalls	60
Large rock/boulder river groynes	60
Concrete river groynes - concrete, boulders	77-80

Over recent years there has been a number of events that have significantly affected the condition of seawall structures, resulting in them requiring significant repair and renewal works. The increased frequency of adverse weather conditions e.g. cyclone Gita and rising sea levels associated with climate change may affect the average expected life of the seawall structures. A three to five year maintenance schedule has been developed for foreshore protection assets as per the improvement action identified in the previous AMP.

Although the information in **Table 5** has not been updated, data for the RUL of foreshore protection assets was included in the 2019 valuation (saved in EAM) and is more up to date. This information is provided in the graph in **Figure 5**.

Figure 5: Foreshore protection remaining useful lives



2.1.3 Critical Assets

Assessments of critical parks and open spaces assets, including dams, decks, shelters, band rotundas, jetties, retaining walls, bridges, and foreshore protection assets are currently being conducted and criticality ratings are being recorded by independent consultants.

General Structures

Dams need to be identified and catalogued in EAM. They also need inspection and maintenance plans against them, and need to be inspected routinely by a competent person. There was an improvement action for this work, which has now been completed.

Decks need to be classified as either being critical or non-critical structures. At present, 10 decks are considered to be critical assets. There is an improvement action for this work, which has been undertaken. An inspection and maintenance schedule has been developed.

All the shelters (17 no.) and band rotundas (2 no.), seven jetties and 10 decks are considered to be critical assets.

Critical retaining walls (approximately 15 no.) will be inspected in 2021 by a structural engineer. Non-critical retaining walls could be inspected on a more informal basis by a member of the Parks and Open Spaces Team. There is an improvement action for this work, which has been undertaken. An inspection and maintenance schedule has been developed.

Bridges

Bridges are inspected every three years and critical bridges are identified. Inspections were undertaken in 2018 and the next inspections are due in 2021 in accordance with Waka Kotahi’s roading bridge regime and have been undertaken. As noted in **Section 2.1.1**, the Parks and Open Spaces Service are now inspecting bridges the same way as the Transportation Service’s bridges to ensure a consistent and rigorous approach is taken to these significant high criticality assets and there is an improvement action for this.

Foreshore Protection

All foreshore protection assets are considered to be critical assets and are inspected regularly as part of resource consent requirements. In particular, Coastal Walkway assets are considered to be critical, with the barriers last being inspected in 2020 and 2021. The Coastal Walkway needs to be inspected every twelve months in accordance with new TRC requirements. This was an improvement action and has been implemented.

A three to five yearly maintenance schedule has been developed for foreshore protection structures and a 3+1+1 maintenance contract is in place.

2.2 Design and Build

See **Section 6: Life cycle of the Parks and Open Spaces AMP: General Volume** for general information about the design and build process for parks and open spaces assets, including the standardisation of assets and requirements for bespoke designs.

2.3 Operations and Maintenance

Section 6: Lifecycle of the Parks and Open Spaces AMP: General Volume provides general information about the operation and maintenance of parks and open spaces assets. Specific information for structures assets is provided below.

Planned Operations and Maintenance

The Parks and Open Spaces Service identifies scheduled maintenance requirements for structures during inspections. Condition assessments of all structures are conducted every three years in conjunction with the certified valuation process. These consultant reports indicate items of maintenance for bridges, general structures, and foreshore protection assets. The Parks and Open Spaces Service’s Programmes Team then schedules the work. In-house Parks and Open Spaces Team members assess other assets (such as fences and barriers) and identify maintenance items to the Programmes Team. Annual inspections of structures assets are now programmed into *Routine Operations and Maintenance*.

Other foreshore protection assets such as dune plantings are included in the **Parks and Open Spaces AMP: Volume 6 – Soft Assets**, and the Coastal Walkway itself is covered in the **Parks and Open Spaces AMP: Volume 3 – Roads, Car Parks and Paths**.

Reactive Maintenance

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and is recorded through the Service Request system. This system documents and tracks response times to the issue. Much of the reactive maintenance is in response to vandalism and graffiti removal.

Routine Operations and Maintenance

Routine maintenance includes regular inspections of minor structures by the Parks and Open Spaces Team, and scheduled maintenance carried out by both staff and contractors. Several key staff have trained in the inspection processes to make information gathering more robust and consistent.

Major Maintenance

The requirement for major repairs is infrequent and is most likely to be a result of extreme weather or storm events. However, over recent years the frequency of more significant weather events due to climate change mean that more frequent major impairment of foreshore protection assets is expected.

The 10 year Opex forecasts for the Parks and Open Spaces Service’s assets are included in **Tables 12 and 15** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP: General Volume**.

2.4 Renewals

As structures assets continue to age, more investment in renewal is required to maintain current reliability levels. Renewals are selected based on the information collected during condition assessments and inspections.

A general annual provision for any minor renewals that may be required during the period of the AMP has been included (Project: **PK1014**). All other Renewals Projects

are specific to particular assets and are based on the Parks and Open Spaces Team’s knowledge of their condition and the predicted year renewal will be required.

The expenditure forecast for Renewals Projects, including structures assets, is provided in **Table 16** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP General Volume**.

2.5 Disposals

No asset disposals are planned over the 10 year AMP period.

2021 – 2031 Parks And Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui

Volume 2 – Play Spaces

Pukapuka Tuarua – Ngā Papa Korikori

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I. Introduction

This volume provides descriptions for the assets covered by the play spaces asset category of the Parks and Open Spaces AMP, including play equipment installed at playgrounds, skate parks and their associated equipment, courts and hard playing surfaces, and sports grounds. It also contains details for the asset lifecycle management of these assets.

The Parks and Open Spaces Service’s playgrounds and skate parks provide a range of play and motor skill development opportunities for children up to the age of 15 years. They also provide specialist facilities for skateboarding activities, and half courts (basketball) for an older age-group range.

The Parks and Open Spaces Service also provides a range of courts for both organised and casual use in a variety of sports codes. It also provides half courts (basketball) in playgrounds to cater for an older age range, and sports grounds, including for use by visitors and residents. Further details for sports grounds (turf) are provided in the **Parks and Open Spaces AMP: Volume 6 – Soft Assets**.



I.I Asset Descriptions

There are 49 playgrounds, nine skate parks, 14 courts/ hard playing surfaces and 21 sports grounds in the district. These assets are listed in **Table 1**.

Table 1: Asset description

Location	Street	Town
Playgrounds		
Carnival/Jubilee Park	Eliot Street	Inglewood
Te Kowhai Park	Konini Street	Inglewood
William Franklyn Park	Kelly Street	Inglewood
Ainslee Street Reserve	Ainslee Street	New Plymouth
Bromley Place Playground	Bromley Place	New Plymouth
Brooklands Zoo Playground	Brooklands Park Drive	New Plymouth
Clovelly Street Reserve	Clovelly Street	New Plymouth
Cook Street Reserve	Cook Street	New Plymouth
Drake Street Reserve	Drake Street	New Plymouth
East End Reserve	Buller Street	New Plymouth
Fernbrook Drive Playground	Fernbrook Drive	New Plymouth
Ferndale Park	Frankley Road	New Plymouth
Fitzroy Seaside Park	Beach Street	New Plymouth

Location	Street	Town
Playgrounds		
Foreshore Playground	St Aubyn Street	New Plymouth
Glen Avon Park	Alberta Road	New Plymouth
Glenpark Avenue Reserve	Glenpark Avenue	New Plymouth
Heta Road Reserve	Heta Road	New Plymouth
Hurdon Street Reserve	Hurdon Street	New Plymouth
Karamea Street Reserve	Karamea Street	New Plymouth
Kawaroa Park	Tisch Avenue	New Plymouth
Kenmore Street Reserve	Kenmore Street	New Plymouth
Lawry Street Reserve	Lawry Street	New Plymouth
Lynmouth Park	Devon Street West	New Plymouth
Maui Place Reserve	Marama Crescent	New Plymouth
Merrilands Domain	Mangorei Road	New Plymouth
Ngamotu Beach	Ocean View Parade	New Plymouth
Onuku Taipare Domain	Ngamotu Road	New Plymouth
Rogan Street Playground	Rogan Street	New Plymouth
Peringa Park	Clemow Road	New Plymouth

Location	Street	Town
Playgrounds		
Poplar Grove Reserve	Poplar Grove	New Plymouth
Pukekura Park	Rogan Street	New Plymouth
Pukekura Park	Fillis Street	New Plymouth
Sutherland Park	Fernleigh Street	New Plymouth
Te Mete Park	Awanui Street	New Plymouth
Turi Street Reserve	Tokomaru Street	New Plymouth
Vogeltown Park	Carrington Street	New Plymouth
Waiwhakaiho Park	Raiomiti Street	New Plymouth
Wallace Place Reserve	Wallace Place	New Plymouth
Shearer Reserve	Tasman Parade	Oakura
Okato Playground	State Highway 45 (SH45)/ Carthew Street	Okato
Onaero Motor Camp	Main North Road (SH3)	Onaero
Urenui Domain	Beach Road	Urenui
Yandle Park	Ritimori Street	Urenui
Kinkade Park	Ranfurlly Street	Waitara
Marine Park	West Beach	Waitara

Location	Street	Town
Playgrounds		
Pennington Park	Leslie Street	Waitara
Waitara West Quay	West Quay	Waitara
Gardenia Avenue Reserve	Gardenia Avenue	Bell Block
Hickford Park	Smeaton Road	Bell Block
Skate Parks		
Hickford Skate Park	Smeaton Road	Bell Block
Carnival/Jubilee Park	Eliot Street	Inglewood
East End Skate Park	Nobs Line	New Plymouth
Marfell Skate Park	Cook Street	New Plymouth
Shearer Reserve	Tasman Parade	Oakura
Okato Skate Park	SH45/Carthew Street	Okato
Urenui Community Centre	Takiroa Street	Urenui
Marine Skate Park	West Beach	Waitara
Pennington Park	Leslie Street	Waitara
Courts and Hard Playing Surfaces		
Trimble Park	James Street	Inglewood

Location	Street	Town
Courts and Hard Playing Surfaces		
Tarata Domain	Tarata Road	Tarata
Marfell Park	Cook Street	New Plymouth
Waiwhakaiho Park (1-10)	Devon Street East	New Plymouth
Waiwhakaiho Park (11-13)	Raiomiti Street	New Plymouth
East End Reserve	Nobs Line	New Plymouth
Linda Street Reserve	Linda Street	Oakura
Shearer Reserve	Tasman Parade	Oakura
Tongaporutu Tennis Courts	Tongaporutu Road	Tongaporutu
Pennington Park	Leslie Street	Waitara
Marine Park	West Beach Road	Waitara
Clifton Park (3 and 4)	Princess Street	Waitara
Clifton Park (1 and 2)	Clifton Drive	Waitara
Marine Park	West Beach Road	Waitara
Sports Grounds		
Inglewood TET	Elliot Street	Inglewood
Vogeltown	Carrington Street	New Plymouth

Location	Street	Town
Sports Grounds		
Karo	Karo Street	Inglewood
Lynmouth	Devon Street West	New Plymouth
Western	Morley Street	New Plymouth
Sutherland – West and East	Fernleigh Street	New Plymouth
Peringa	Clemow Road	New Plymouth
Sanders	Gladstone Road	New Plymouth
Te Mete	Awanui Street	New Plymouth
Racecourse	Rogan Street	New Plymouth
Merrilands	Mangorei Road	New Plymouth
Onuku Taipari	Ngamotu Road	New Plymouth
Manukorihi	Manukorihi Road	Waitara
Clifton	Princess Street	Waitara
Hickford Park	Smeaton Avenue	Bell Block
Jubilee/Carnival	Elliot Street	Inglewood
Corbett	South Road	Oakura
Ngamotu	Pioneer Road	New Plymouth

Location	Street	Town
Sports Grounds		
Okato	Kaihihi Road	Okato
Pukekohe	Browne Street	Waitara
Urenui	Takiroa Street	Urenui

Note: The play areas at Marfell Park and Cook Street have recently been removed following the opening of the new Marfell Park playground. The Mangati playground was also recently removed, and not replaced, due to flooding of the location.

The play areas and skate parks contain a variety of equipment; however, these are not always correctly categorised in EAM. This is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume (Section 9 – Improvement Plan)**.

Data regarding the types and numbers of equipment from the **2018-2028 Parks AMP** is provided in **Table 2**.

Table 2: Asset types and equipment

Asset type	Number
Playgrounds (49 locations)	
Balance Beam	1
Basketball Hoop	6
Climber	10
Fort	4
‘Roctopus’ Merry-go-round	3
Modular Unit	30
Playground Base (9,672m2)	83
Rocking Horse/Rocker	21
Row Boat (Pukekura Park)	10
Scale Swing	6
Seesaw	26
Slide	11
Spinner	20
Swing Sets	58

Asset type	Number
Skate Parks (9 locations)	
Wood	4
Concrete	10
Courts and Hard Surfaces (14 locations)	
Asphalt surface	10
Concrete surface	4
Sports Grounds (20 locations)	
Information for turf is provided in the Parks and Open Spaces AMP: Volume 6 – Soft Assets	21

2. Lifecycle

2.1 Identify Need and Plan

Acquisitions are required for play spaces, for example, sun shade sails are required for the Okato and Hickford Park playgrounds (Project: **PK3027**). Further details

about projects identified during the 10 year AMP period are provided in the **Parks and Open Spaces AMP: General Volume**.

2.1.1 Asset Condition

An external playground consultant conducts condition assessments of skate parks, surfaces and playing courts every three years. The most recent assessment was undertaken in late 2021. The data from the 2021 inspections has not yet been added into EAM. It is noted; however, that the **2018-2028 Parks AMP** advises that the skate parks were mostly assessed as being in Good (or very Good) condition (Grade 2).

The external playground consultant also conducted condition assessments on the rest of Parks and Open Spaces Service’s playground equipment in late 2021,

although this information has also not been added to EAM (see improvement action above). The only non-compliance issue identified during the inspections related to the under surfacing (cushion fall) in some parks, which needs to be brought up to standard. This is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

The asset condition profiles for play area components from the **2018-2028 Parks AMP** are shown in the graph in **Figure 1**.

Figure 1: Play area components condition grades



The asset condition profiles for play area components from the 2018-2028 Parks AMP are shown in the graph in Figure 1.

Figure 2: Play surface condition grades



The asset condition profiles for play surfaces from the 2018-2028 Parks AMP are shown in the graph in Figure 2.

Figure 3: Skate parks condition grades



The asset condition profiles for skate parks from the 2018-2028 Parks AMP are shown in the graph in Figure 3.

2.1.2 Asset Remaining Lives

The RUL of an asset generally depends on its construction materials, with variation based on usage and environment. As noted in **Section 2.1.1**, the data from the 2021 inspections has not yet been added to EAM. For this reason, the RUL for play spaces assets has not been updated since the **2018-2028 Parks AMP** was published and there is an improvement action noted above for this.

Information from the **2018-2028 Parks AMP** for the RUL for play spaces assets is provided in **Table 3**.

Table 3: Average expected lives

Asset Type	Average Expected Life
Play Equipment (49 locations)	
Balance Beam	25
Basketball Hoop	10
Climber	20
Fort	50
Merry-go-round (large)	20
Modular Unit	20
Playground Base (9672m2)	12
Rocking Horse/Rocker	20
Row Boat (Pukekura Park)	20
Scale Swing	15

Asset type	Average Expected Life
Play Equipment (49 locations)	
Seesaw	20
Slide	25
Spinner	20
Swing Sets	15
Skate Parks (9 sites)	
Wood	30
Concrete	80
Courts and Hard Surfaces (14 locations)	
Asphalt surface	25
Concrete surface	50
Sports Grounds (21 locations)	
Information for turf is provided in the Parks and Open Spaces AMP: Volume 6 – Soft Assets	

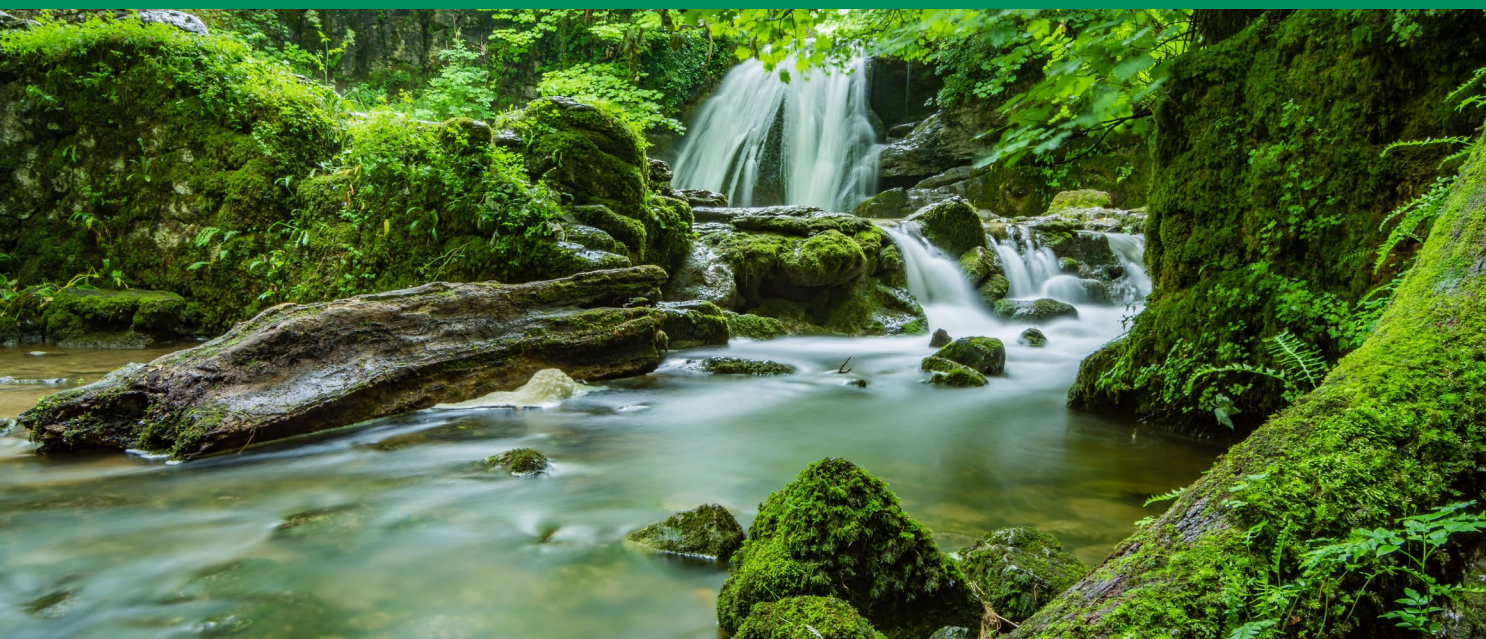
2.1.3 Critical Assets

Criticality assessments have not yet been undertaken for play spaces assets.

Criticality assessments are not required for sports grounds as they are soft assets (see the **Parks and Open Spaces AMP: Volume 6 – Soft Assets**).

2.2 Design and Build

See **Section 6: Lifecycle** of the **Parks and Open Spaces AMP: General Volume** for general information about the design and build process for parks and open spaces assets, including the standardisation of assets and requirements for bespoke designs.



2.3 Operations and Maintenance

Section 5: Lifecycle of the Parks and Open Spaces

AMP: General Volume provides general information about the operation and maintenance of parks and open spaces assets. Specific information for play spaces assets is provided here.

Planned Operations and Maintenance

The Parks and Open Spaces Service identify scheduled maintenance requirements through inspection of play equipment and facilities. The condition of all play equipment is assessed by independent audit consultants in conjunction with the certified valuation process every three years - most recently in 2021. This ongoing audit identifies the work required to bring playgrounds up to the compliance standards of NZS 5828:2015.

An assessment of skate parks and facilities is also undertaken by independent contracted consultants - most recently in 2021. The consultant and audit reports indicated items of maintenance which were passed to the Parks and Open Spaces Service's programmes team to schedule into planned work flows. Monthly inspections are also undertaken by the Parks and Open Spaces Team.

The degree of maintenance required for each individual playground depends on the level of wear and tear. Maintenance includes routine painting and replacement of moving parts where failure could result in injury. The Parks and Open Spaces Service replace parts in accordance with manufacturer recommendations.

Reactive Maintenance

Most frequently, reactive maintenance follows vandalism or occasionally the failure of moving parts. These failures are identified through regular inspections or through tracked customer complaints (via the Service Request system).

Routine Operations and Maintenance

Routine maintenance includes regular inspections of playground equipment and facilities. In-house Parks and Open Spaces Team members conduct monthly inspections of neighbourhood playgrounds and weekly inspections of major playgrounds. Maintenance items are noted and, where possible, addressed by the Operations Team. Routine maintenance activities are those that ensure that the playground are safe, such as greasing moving parts and raking the loose bark under surfacing to maintain its impact resistance.

Major Maintenance

Major repairs are required infrequently. Routine and planned maintenance activities ensure the structural integrity and safety of the playground equipment is maintained.

The 10 year Opex forecasts for the Parks and Open Spaces Service's assets are included in **Tables 12 and 15** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP: General Volume**.

2.4 Renewals

As play equipment assets continue to age, more investment in renewal is required to maintain current reliability levels.

The renewals forecast in the budget relates to an ongoing programme to upgrade to NZ Standards (NZS5828:2015) (Project: **PK1023**). This includes full replacement of up to two separate playgrounds per year, plus some individual items of general playground equipment as required. The renewal of Fitzroy seaside park playground was completed in 2020 and the renewal

of the Poplar Grove Reserve Playground and Kincade Reserve Playground were completed in 2021. The three and 10 year renewal programme is set by the three yearly condition assessments and is reprioritised annually to ensure the Council gets the best outcomes and value for budget.

The expenditure forecast for Renewals Projects, including play spaces assets, is provided in **Table 16** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP General Volume**.

2.5 Disposals

No asset disposals are planned over the 10 year AMP period.



2021 – 2031 Parks And Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui

Volume 3 – Roads, Car Parks and Paths

Pukapuka Tuatoru – Ngā Huarahi / Ngā Tūnga Waka /
Ngā Ara Hikoi

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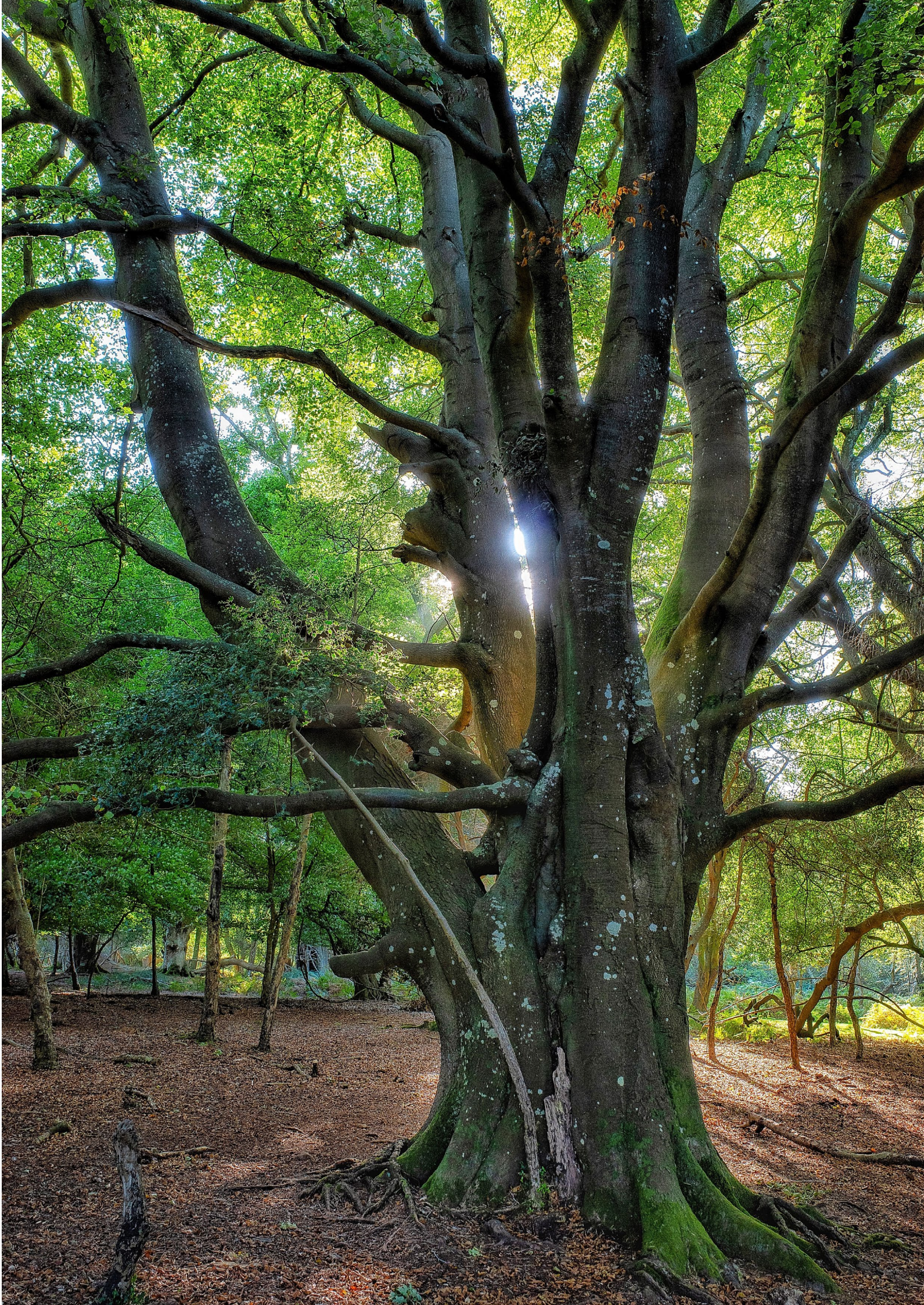
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I. Introduction

This volume provides descriptions for the assets covered by the roads, car parks and paths asset category of the Parks and Open Spaces AMP. It also contains details for the asset lifecycle management of these assets.

The purpose of roads and car parks within parks and open spaces is to allow reasonable access to and within these areas. Further, the purpose of general walkways and paths in parks and open spaces is to provide informal recreational opportunities and off street commuting options. The Coastal Walkway¹ provides a unique and high quality (premier) area of open space and a multi-use pathway in close proximity to the CBD and the coast.

The data from recent inspections of roads, car parks and paths assets has not yet been added to EAM; therefore, the data provided in this volume of the Parks and Open Spaces AMP (i.e. number of assets, condition grades and RUL) has not changed since the **2018-2028 Parks AMP** was published. There is an improvement action for data in **Section 10: Asset Management Improvement Programme** of the **Strategic Asset Management Plan**.

¹ This AMP Volume covers the Coastal Walkway itself. The Coastal Walkway decks are covered in the Parks and Open Spaces AMP: Volume 1 – Structures.

I.I Asset Descriptions

The categories included in this volume and the number of each asset in each category are shown **Table 1**. Further information for these assets is provided in **Sections 1.1.1 to 1.1.2** below.

Table 1: Asset summary

Asset Category	Number
Roads	345
Car Parks	166
Paths	304

I.I.I Roads and Car Parks

The different materials used to construct roads and car parks and the quantity and area of the assets are shown in **Table 2**.

Table 2: Roads and car parks asset details

Asset Type	Quantity	Area (m²)
Road - Asphalt/Chip		
Surface	102	104,597
Base course	102	
Road - Other		
Concrete	11	2,300
Gravel	32	26,454
Grass	1	1,437
Car Park - Asphalt/Chip		
Surface	72	62,596
Base course	72	
Car Park - Other		
Concrete	1	39
Grass	2	1,776
Gravel	16	7,572
Paved area or base	61	2,023
Total	471	208,794

I.I.2 Paths

The different materials used and the lengths of paths assets are shown in **Table 3**.

Table 3: Paths asset details

Path - Material	Length (m)
Asphalt	585
Chip seal	4,802
Concrete	18,951
Dirt	331
Aggregate	150
Grass	11,054
Gravel	31,393
Natural	25,633
Pavers	149
Grand Total	93,048

2. Lifecycle

2.1 Identify Need and Plan

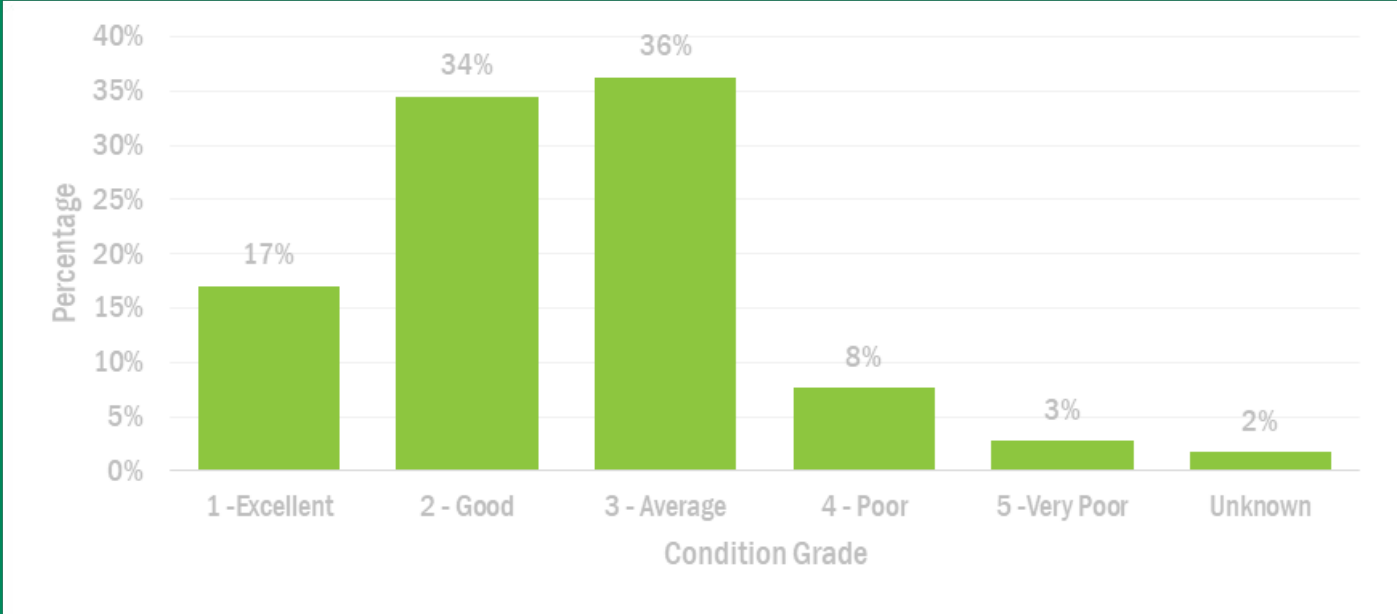
Acquisitions will be required for roads, car parks and paths, for example the construction of the Kaitake Trail (Project: **PK2054**). Further details about projects identified during the 10 year AMP period are provided in the **Parks and Open Spaces AMP: General Volume**.

2.1.1 Asset Condition

A condition assessment for the Coastal Walkway was undertaken in 2018 and it now has a three to five year programme of renewals. Condition assessments for Te Henui Walkway and Huatoki Walkway were also undertaken in 2018 and an annual programme for inspections is in place. This information has not yet been added to EAM.

In general the Parks and Open Spaces Service’s roads, car parks and paths deteriorate slowly because they experience low speed and usage in comparison to transportation assets. The asset condition profiles for roads and car parks assets are shown in the graph in **Figure 1**.

Figure 1: Roads and car parks condition grades



The asset condition profiles for paths assets are shown in the graph in **Figure 2**.

Figure 2: Paths condition grades



2.1.2 Asset Remaining Lives

The RUL of an asset generally depends on the construction materials, with variation based on usage and environment. The RUL for roads and car parks assets are shown in **Table 4**.

Table 4: Roads and car parks average expected lives

Asset Type	Average Expected Life (years)
Road - Asphalt/Chip	
Surface	20
Base Course	
Road Other	
Concrete	50
Gravel	20
Grass	n/a
Car Park - Asphalt/Chip	
Surface	20
Base Course	
Car Park - Other	
Concrete	50
Gravel	20
Paved Area or Base	50
Grass	n/a

The RUL for paths assets are shown in **Table 5**.

Table 5: Paths average expected lives

Path Material	Average Expected Life (years)
Asphalt	20
Chip seal	14
Concrete	30
Dirt	n/a
Aggregate	20
Grass	n/a
Gravel	21
Natural	n/a
Pavers	37

2.1.3 Critical Assets

Criticality assessments for roads, car parks and paths are carried out under the Transportation Team’s Term Service Contract (**RM1901**).

2.2 Design and Build

See **Section 6: Lifecycle** of the **Parks and Open Spaces AMP: General Volume** for general information about the design and build process for parks and open spaces assets, including the standardisation of assets and requirements for bespoke designs.

2.3 Operations and Maintenance

Section 5: Lifecycle of the Parks and Open Spaces

AMP: General Volume provides general information about the operation and maintenance of parks and open spaces assets. Specific information for roads, car parks and paths assets is provided below.

Planned Operations and Maintenance

As part of the Transportation Service’s Term Services Contract (RM1901), an external contractor is required to undertake annual condition assessments of roads and car parks, and prepare a schedule of planned maintenance for the Operations Team (see Section 6: Activity Lifecycle of the Transportation AMP). However, to date this has not occurred and the Parks and Open Spaces Team has been undertaking the inspections and identifying scheduled maintenance requirements for roads and car parks. This is an improvement action and is recorded in the **Parks and Open Spaces AMP General Volume: Section 9 - Improvement Plan**.

The Parks and Open Spaces Team also conduct regular inspections of walkways and paths to identify scheduled maintenance items, which are provided to the Operations Team. As noted in **Section 2.1.1**, the Coastal Walkway was inspected in 2018 and now has a three to five year programme of renewals, and there is an annual programme for inspections on Te Henui Walkway and Huatoki Walkway, with the last inspection also being undertaken in 2018. The Parks and Open Spaces Team will inspect the remainder of the walkways, and future inspections will be done on a yearly basis.

Reactive Maintenance

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and is recorded through the Service Request system. This system documents and tracks response times to the issue. Much of the reactive maintenance is in response to potholes, cracked paths, obstructions on a roadway, impact of weather events (clearing debris and reinstating washed out areas), vandalism and graffiti removal.

Routine Operations and Maintenance

Routine maintenance includes regular inspections of roads, car parks and paths by the Parks and Open Spaces Team, and daily servicing carried out by both staff and contractors.

Major Maintenance

The requirement for major repairs is infrequent and is most likely to be as a result of extreme weather or storm events. The exception to this was the failure of boardwalk materials on the Coastal Walkway which required substantial work to resolve splintering and warping issues.

The 10 year Opex forecasts for the Parks and Open Spaces Service’s assets are included in **Tables 12 and 15** in **Section 8: Financial Summary of the Parks and Open Spaces AMP: General Volume**.

2.4 Renewals

The renewals forecast for the next 10 years provides for general planned renewal of roads, car parks and paths within parks and open spaces is based on condition assessments and prioritisation. The Parks and Open Spaces Service has included specific provision for Pukekura Park because of the park’s higher usage and importance as a primary asset (Projects **PK3046** and **PK3047**). The Operations Team selects renewal sites and undertakes an annual renewal programme.

The expenditure forecast for Renewals Projects, roads, car parks and paths assets, is provided in **Table 16** in **Section 8: Financial Summary of the Parks and Open Spaces AMP: General Volume**.

2.5 Disposals

No asset disposals are planned over the 10 year AMP period.

2021 – 2031 Parks And Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui

Volume 4 – Features

Pukapuka Tuawhā – Ngā Mea Hanga Kau

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I. Introduction

This volume provides descriptions for the assets covered by the features asset category of the Parks and Open Spaces AMP, including all outdoor furniture, lighting and services, monuments, and signs. It also contains details for the asset lifecycle management of these assets.

Outdoor furniture, lighting and services assets provide high quality amenities for public use within parks and open spaces. The Council’s monument assets maintain heritage and promote opportunities for new public art and comfort.

Signs are installed for a variety of purposes including directional, information, warning, regulatory, naming, road, heritage trail, welcome, and information cabinets. Clear signage is important for identifying parks and open spaces facilities, and for giving warnings, directions and other relevant information to the public.



I.I Asset Descriptions

The number of assets in each category for features assets are summarised in **Table 1** (information is from the 2019 valuation, which is recorded in EAM).

Table 1: Asset summary

Asset Category	Number
Outdoor furniture, lighting and services	
Lighting\Flood	18
Lighting\Street	323
Barbecue	6
Bike Rack	10
Picnic Table	166
Rubbish Bin	260
Seat	500
Tree Pit	12
Water Trough	28
Drinking Fountain	23
Plumbing\Shower\Recreation	14
Plumbing\Supply	1

Asset Category	Number
Monuments	
Monument and Artwork	338
Memorial Strip	14
Signs	
Sign	658
Bollard	462

Lighting stock is broken down into street and flood lighting in **Table 1**. Street lighting includes lights on poles in reserves and on walkways. It also includes up, down and side-lighting in high profile park areas such as Puke Ariki Landing and the Coastal Walkway. Flood lighting refers to single or multi-globe lights mounted on poles and located at various sports grounds. The database has been updated to reflect the correct ownership of floodlights i.e. those located on sports grounds are in fact owned by the sports club lessees.

The ‘Monument and Artwork’ category includes the wind wand, plaques, a water wheel and a variety of miscellaneous features, as follows:

- Historic chimney (1 no.)
- Clocks (3 no.)
- Flag poles (10 no.)
- Fountains (5 no.)
- Historic grave sites (9 no.)
- Mountings (28 no.)
- Pillars (8 no.)
- Time capsules (4 no.)
- War memorials (22 no.)
- Wells (2 no.)

2. Lifecycle

2.1 Identify Need and Plan

Acquisitions are required for features assets, for example, new FOL infrastructure is required at Pukekura Park (Project: **PK1003**). Further details about projects identified during the 10 year AMP period are provided in the **Parks and Open Spaces AMP: General Volume**.

2.1.1 Asset Condition

The last condition assessment for features assets was conducted in 2019, with the exception of Pukekura Park and the township of Oakura, which will be assessed during the 2020-2021 financial year. The data from the 2019 inspections has not yet been added into EAM; therefore, the latest condition grades of these assets has not been included in this AMP.

The asset condition profiles for outdoor furniture, lighting and services are shown in the graph in **Figure 1**. Information has been obtained from data included in the 2019 valuation (saved in EAM).

Figure 1: Outdoor furniture, lighting and services condition grades

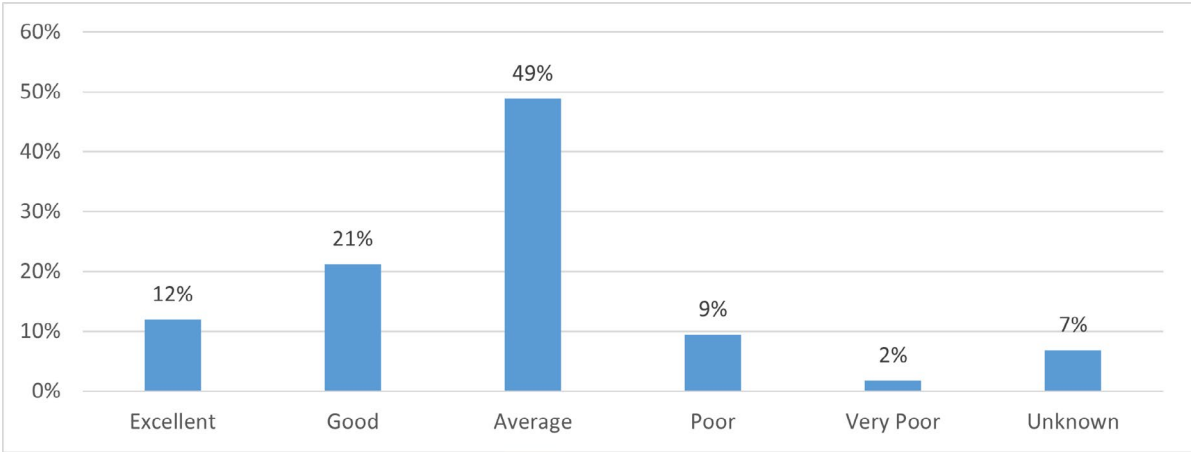


Figure 1 shows that approximately half the outdoor furniture, lighting and services assets are in Average Condition (Grade 3) (49%).

The asset condition profiles for monuments are shown in the graph in **Figure 2**.

Figure 2: Monuments condition grades

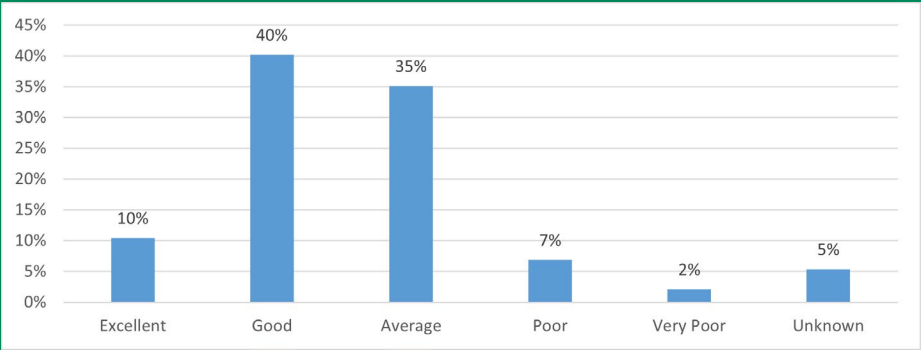


Figure 2 shows that a high proportion (75%) of monument assets are in Good Condition (40%) or Average Condition (35%) (Grades 2 and 3 respectively).

The asset condition profiles for signs are shown in the graph in **Figure 3**.

Figure 3: Signs condition grades

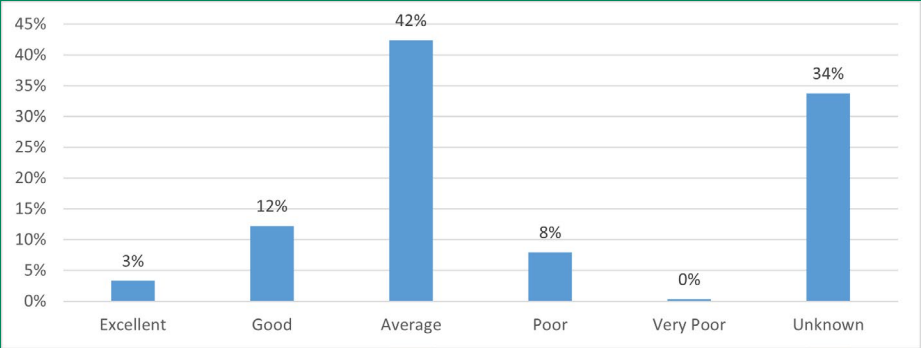


Figure 3 shows that nearly half the signs assets are in Average Condition (Grade 3) (42%) and the condition of a relatively high proportion of signs is Unknown (34%) (Grade 6).



2.1.2 Asset Remaining Lives

The RUL life of an asset generally depends on its construction materials, with variation based on usage and environment. The RUL for features assets are shown in **Table 2** (information is from the 2019 valuation and is saved in EAM).

Table 2: Features asset average expected lives

Asset Category	Average expected life (Years)
Outdoor furniture, lighting and services	
Lighting\Flood	21
Lighting\Street	29
Barbecue	22
Bike Rack	30
Picnic Table	20
Rubbish Bin	11
Seat	21
Tree Pit	50
Water Trough	47
Drinking Fountain	25
Plumbing\Shower\Recreation	20
Plumbing\Supply	25

2.1.3 Critical Assets

Currently, criticality assessments for features assets are informal, based on the Parks and Open Spaces Team’s knowledge and experience.

The Parks and Open Spaces Team has commenced formal criticality assessments for features assets and recorded them in EAM; however, this work has not yet been completed. This is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

2.2 Design and Build

See **Section 6: Lifecycle** of the **Parks and Open Spaces AMP: General Volume** for general information about the design and build process for parks and open spaces assets, including the standardisation of assets and requirements for bespoke designs.

2.3 Operations and Maintenance

Section 5: Lifecycle of the Parks and Open Spaces

AMP: General Volume provides general information about the operation and maintenance of parks and open spaces assets. Specific information for features assets is provided below.

Planned Operations and Maintenance

The Parks and Open Spaces Team identify scheduled maintenance requirements for outdoor furniture and lighting structures through inspections by the Parks and Open Spaces Team who identify maintenance items to the Operations Team. Annual inspection and maintenance of lighting is contracted out to an external company.

Seats may be donated by the public. The Parks and Open Spaces Service undertake maintenance of the seats; however, they reserve the right to not maintain them.

The Parks and Open Spaces Team also inspect monuments, heritage assets, and artwork. The degree of maintenance for each individual structure depends on its age, its design and construction materials, and its location. The Parks and Open Spaces Team repair lettering annually and undertake cleaning on a regular basis. They also clean and paint war memorial assets annually, prior to ANZAC day commemorations.

The Parks and Open Spaces Team inspect signs and identify any scheduled maintenance items for the works programme. Annual inspection of signs is built into the Levels of Service.

Reactive Maintenance

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and is recorded through the Service Request system, which documents and tracks response times. Much of the reactive maintenance undertaken is in response to vandalism and graffiti removal.

Occasionally monuments require reactive maintenance because of extreme environmental conditions. These failures are identified through regular inspections and through recorded customer information.

Routine Operations and Maintenance

Routine maintenance includes regular inspections of outdoor furniture and signs by the Parks and Open Spaces Team, and daily servicing carried out by both staff and contractors.

Monuments are regularly inspected, cleaned and repaired to ensure that heritage assets are safe and well maintained.

Major Maintenance

The need for major repairs of outdoor furniture and lighting assets is infrequent.

Routine and planned maintenance activities ensure the structural integrity and safety of heritage assets is maintained. It is unlikely that signs assets require major repairs.

The 10 year Opex forecasts for the Parks and Open Spaces Service’s assets are included in **Tables 12 and 15** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP: General Volume**.

2.4 Renewals

The renewals forecast includes general provisions for lighting, outdoor furniture and signs (Projects: **PK1015**, **PK1022** and **PK1024**). The Parks and Open Spaces Team select assets for renewal based on asset condition or need (following damage etc.). There are no planned renewals for monuments.

The expenditure forecast for Renewals Projects, including features assets, is provided in **Table 16** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP: General Volume**.

2.5 Disposals

No asset disposals are planned over the 10 year AMP period.

2021 – 2031 Parks And Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui

Volume 5 – Services

Pukapuka Tuarima – Ngā Ratonga Whānui

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I. Introduction

This volume provides descriptions for the assets covered by the services asset category of the Parks and Open Spaces AMP, including cemeteries, the Crematorium and Brooklands Zoo. It also contains details for the asset lifecycle management of these assets.

The purpose of cemeteries is:

- To provide an area to facilitate the dignified placement of deceased persons
- To provide areas of open space
- To provide a link to the past, preserving cultural identity and heritage value
- To contribute to the health and wellbeing of the community

The purpose of the Crematorium is:

- To provide a facility for cremating human remains
- To provide a chapel for memorial services
- To provide a reflection point and area to place cremated human ashes

Brooklands Zoo is highly regarded in Australasia, both by the public and the zoo industry. The zoo currently displays a captivating collection of exotic wild fauna as well as a representation of NZ native fauna and classic NZ farm stock. It provides an exciting visitor experience while inspiring people to take positive action that will benefit wildlife and the environment.

The Property Team manages maintenance and operations for the Park and Open Spaces Service’s buildings, including the vicarage, blocks of public toilets, changing sheds, buildings leased to community groups, the Waitara Plunket rooms, parks houses/outbuildings, clock tower, zoo buildings, the Crematorium, halls and holiday park buildings. Information is provided in the **Property AMP: Volume 7 – Parks and Open Spaces Buildings.**

I.I Asset Descriptions

Details for services assets are provided in **Sections 1.1.1 to 1.1.3** below. Updated information regarding services assets has not yet been added to EAM. There is an improvement action for asset data in **Section 10: Asset Management Improvement Programme** of the **Strategic Asset Management Plan.**

I.I.I Cemeteries

There are 14 NPDC cemeteries in the district, of which 11 are operational and three are closed. All cemeteries are listed in **Table 1.**

Table 1: Cemeteries location and details

Cemetery	Street	Town	Area (ha)	Status
Awanui	Awanui Street	New Plymouth	12.33	Operational
Mangapouri (New)	Plantation Road/SH3	New Plymouth	20.3	Operational
Inglewood	Rata Street	Inglewood	2.52	Operational
Marsland Hill (Historic)	Robe Street	New Plymouth	0.22	Closed but still maintained by the Parks and Open Spaces Team
Oakura	Butlers Lane	Oakura	0.89	Operational
Okato	South Road/SH45	Okato	1.98	Operational

Table 1: Cemeteries location and details

Cemetery	Street	Town	Area (ha)	Status
Purangi	Purangi Terrace	Rural	0.86	Operational
Tarata	Wiri Road	Rural	2.09	Operational
Tataramaika	Lower Timaru Road	Rural	0.88	Closed but still maintained by the Parks and Open Spaces Team
Te Henui	Watson Street	New Plymouth	10.05	Operational
Urenui	Ngapapa Street	Urenui	1.46	Operational
Waireka	Gardner Road	Rural	1.01	Operational
Waitara	Bayly Street	Waitara	5.75	Operational
Waitara (Historic)	McLean Street	Waitara	0.07	Non-operational (in the process of being formally closed) but will still be maintained by the Parks and Open Spaces Team
Total			60.41	

There are four other cemeteries in the district run by Cemetery Boards. Two of these, Tikorangi and Tongaporutu, are located on Council-owned land. The other two, Huirangi and Lepperton, are located on Department of Conservation Land.

The cemeteries listed in **Table 1** and the cemeteries run by Cemetery Boards are shown on the map in **Figure 1**.

Figure 1: Cemeteries location map



Under the Burial and Cremation Act 1964, the Council appoints or removes Trustees on Cemetery Boards but otherwise there is no direct involvement with the management or ownership Cemetery Board assets. The assets are owned by the Cemetery Board until such time as the Cemetery Board ceases to operate.

Should the Cemetery Board cease to operate, then the cemetery assets and management are vested in the Council. For example, Okato Cemetery was formerly controlled by a Cemetery Board but was vested in the Council in 2008 when the Cemetery Board ceased to operate.

The 2,226m² Marsland Hill cemetery, which is now closed, is part of the larger historic site (3.86ha) and is contained within the Historic Reserves Management Plan 2010.

There is one burial site for a Maori chief – Chief Hene Roe (Proposed New Plymouth District Plan Site ID: 661) on Clemow Road.

Cemeteries also include a number of features that are not incorporated in this volume but are included in the corresponding Parks and Open Spaces AMP volumes e.g. fences, rubbish bins, seats, paths etc.

I.I.2 Crematorium

The Burials and Cremation Act 1964 does not require a local authority to provide a crematorium facility. However, until the 1960s the nearest crematorium facilities were located in Whanganui and Hamilton. The Crematorium buildings and facility were built in the early 1960s to meet demands of the regional community.

The Crematorium is located in a semi-rural setting on SH3, approximately 8km south of the CBD. The Crematorium contains various asset types ranging from the buildings and chapel and their associated fixtures and fittings, through to highly specialised (and expensive) plant and machinery items. This includes the cremators, the cremulator (used to grind remaining bone fragments into fine powder) and the air conditioning system. It also includes miscellaneous park assets such as roads, car parks, fences, seats, monuments etc. These are not incorporated in this volume but included in the corresponding Parks and Open Spaces AMP volumes. As with any similar sensitive activity, the Crematorium grounds are well maintained with lawn areas, trees and gardens, including the Garden of Remembrance.

In March 2009, W. Abraham Limited, Funeral Directors, opened a private cremation facility in New Plymouth. Consequently, demand at the Crematorium reduced by

approximately 40-45% for a number of years; however, the number of cremations has recently been steadily increasing.

The Newton cremator was installed in 1996 and upgraded in 2007; however, as a result of reduced usage it is deteriorating, including the internal firebricks. The hot faces were re-lined in 2017 at a cost of \$300k, approximately \$30k was spent on other repairs and a full service was conducted by an external company in 2013. This extended the cremator life but a full renewal was planned for the 2018/19 financial year at cost of \$505k. This is currently delayed due to the COVID-19 pandemic; however, the replacement is imminent. This asset is included in the Property **AMP: Volume 7 – Parks and Open Spaces Buildings**.

The building, cremators and other major equipment such as the cremulator, catafalque (raised stand for coffins/caskets) etc. and chapel furniture renewals and valuations are managed by the Property Team on behalf of the Parks and Open Spaces Team. The valuation information for these assets is included in the **Property AMP: General Volume**.

I.I.3 Brooklands Zoo

Brooklands Zoo is located within a self-contained area adjacent to Brooklands Park, a historic landscape garden. Both Brooklands Zoo and Brooklands Park are part of the greater reserve area of Pukekura Park.

Occupying a one hectare site, the zoo facility includes a central public open space with public toilets, a children’s playground, seating, picnic tables, trees and gardens. Surrounding the site is a series of animal habitats including a free flight aviary and other bird habitats, exotic animal habitats, and a farmyard and barn display of animals. The animal collection is primarily aimed at younger children and families.

Since its inception in the 1960s Brooklands Zoo has undergone development, particularly in the early-mid 1990s and from 1999 to 2001 when the layout was revised and significant improvements were made to several buildings and habitats. These infrastructure improvements have increased the popularity of the zoo and consolidated its attraction as a visitor destination in its own right.

Although Brooklands Zoo is owned by the Council, the animal collection is a mixture of ‘owned’ and ‘on loan’ animals in accordance with agreements between zoos that are members of the ZAA. Brooklands Zoo is considered important as both a ‘holding’ zoo and for its breeding programmes of exotic species through ZAA; for example, Squirrel Monkeys and Cotton Top Tamarins.

Zoo visitor numbers have been electronically recorded since August 2008. Data shows the zoo receives an average of about 113,000 visitations annually. Entry is free of charge, although donations can be made through an on-site donation box.

The exotic, farmyard, birds, aquatic and reptile species included in the animal collection are listed in **Table 2** (data is from the 2019 inspection).

Table 2: Brooklands Zoo animal details

Asset Type	Asset	Number
Exotic	Capuchin	5
	Cotton-top tamarin	2
	Meerkat	4
	Bolivian squirrel monkey	4
	Agouti	2
	Scheltopusik	1
	Capybara	2
Birds	Red winged parrot	3
	King parrot	2
	Derbyan parrot	1
	Princess parrot	2
	Eclectus parrot	2
	Indian ring neck	6
	Musk lorikeet	4
	Barraband/Superb parrot	4
	Bourke parrot	1
	Lady amherst pheasant	2

Asset Type	Asset	Number
Birds	Chicken	6
	Guinea fowl	2
Native Birds	Red crowned Kakariki	1
	Little Owl	2
Farmyard	Kune kune pig	2
	Alpaca	3
Reptile/Amphibian	Blue tongue skinks	2
	Leopard tortoise	2
	Leopard gecko	1
	Green and gold bell frogs	2
	Oriental fire bellied newts	2
Total		72

2. Lifecycle

2.1 Identify Need and Plan

Acquisitions are required for services assets, for example, the Oakura Cemetery Development Extension (Project: **PK3014**). Further details about projects identified during the 10 year AMP period are provided in the **Parks and Open Spaces AMP: General Volume**.

2.1.1 Asset Condition

Apart from the general parks and open spaces assets located in cemetery grounds e.g. fences, rubbish bins, seats, paths etc., cemetery assets do not require condition assessments.

Similarly the condition of general parks and open spaces assets located in the Crematorium grounds are included in the corresponding Parks and Open Spaces AMP volumes. The condition of the Crematorium building is addressed in the **Property AMP: Volume 7 - Parks and Open Spaces Buildings**. The condition of the other significant assets at the Crematorium is shown in **Table 3**.

Table 3: Crematorium asset condition grades

Component	Condition Grade
Cremator - Newton	4 - Poor
Cremator - Electfurn	2 - Good
Cremulator	3 - Average
Catafalque	2 - Good
Security Camera & System	1 - Excellent
Organ	1 - Excellent

As part of MPI statutory requirements, an external consultant inspects the animal habitat structures at Brooklands Zoo once a year. The condition of the habitats was assessed in 2019 and the results are shown in **Table 4**.

Table 4: Brooklands Zoo habitats asset condition grades

Habitat	Condition Grade
A1 - Parrot Enclosure	2 - Good
E1 - Capuchin Habitat	3 - Average
E2 - Tamarin Habitat	2 - Good
E3 - Otter Habitat	2 - Good
E4 - Meerkat Habitat	2 - Good
E5 - Squirrel Monkey Habitat	2 - Good
E6 - Brolga Habitat	2 - Good
E7 - Scheltopusik Habitat	1 - Excellent
HA2, HA3 - Free Holding Enclosure	2 - Good
P8A, P9A - Leopard Tortoise	1 - Excellent
Aviary (Free Flight Habitat)	3 - Average
Farm Animal Habitat	3 – Average (not recently inspected)
Old Kitchen (behind Meerkat Habitat)	3 – Average (not recently inspected)

2.1.2 Asset Remaining Lives

Cemetery assets do not require RUL assessments. Information about the general parks and open spaces assets located in cemetery and Crematorium grounds e.g. fences, rubbish bins, seats, paths etc., can be found in the other Parks and Open Spaces AMP volumes.

The RUL of the Crematorium building is addressed in the **Property AMP: Volume 7 – Parks and Open Spaces Buildings**. The RUL of the other significant assets at the Crematorium are shown in **Table 5** (information was obtained from EAM).

Table 5: Crematorium asset expected lives

Component	Expected Life (Years)	Comments
Cremator - Newton	2	The replacement of the cremator is imminent
Cremator - Electfurn	10	The cremator requires rebricking during 2021/22
Cremulator	4	
Catafalque	18	This is scheduled to be replaced
Security Camera and System	5	
Organ	5	

The RUL of the animal habitats at Brooklands Zoo are shown in **Table 6** (information is from the 2019 inspection).

Table 6: Brooklands Zoo habitats expected lives

Habitat	Expected Life (Years)
A1 - Parrot Enclosure	40
E1 - Capuchin Habitat	30
E2 - Tamarin Habitat	30
E3 - Otter Habitat	40
E4 - Meer Kat Habitat	30
E5 - Squirrel Monkey Habitat	40
E6 - Brolga Habitat	50
E7 - Scheltopusik Habitat	50
Aviary (Free Flight Habitat)	30
HA2, HA3 - Free Holding Enclosure	40
P8A, P9A - Leopard Tortoise	50
Farm Animal Habitat	20-40 (not recently inspected)
Old Kitchen (behind Meerkat Habitat)	20-40 (not recently inspected)

2.1.3 Critical Assets

Criticality assessments for services assets are based on the Parks and Open Spaces Team’s knowledge and experience. The Parks and Open Spaces Team conducted formal criticality assessments for all services assets in 2019 and recorded them in EAM.

The cremator within the Crematorium is inspected once a year to comply with the gas certificate.

Brooklands Zoo habitats are inspected every two years.

2.2 Design and Build

See **Section 6: Lifecycle of the Parks and Open Spaces AMP: General Volume** for general information about the design and build process for parks and open spaces assets, including the standardisation of assets and requirements for bespoke designs.

2.3 Operations and Maintenance

Section 5: Lifecycle of the Parks and Open Spaces AMP: General Volume provides general information about the operation and maintenance of parks and open spaces assets.

As noted in **Section 1: Introduction**, the Property Team

manages maintenance and operations on parks and open spaces buildings. Other crematorium assets and all other maintenance and operations are managed by the Parks and Open Spaces Team.

Specific information for services assets is provided below.

2.3.1 Cemeteries

Planned Operations and Maintenance

The degree of maintenance required for each individual cemetery depends on the age of the cemetery, the weather and level of wear and tear.

Reactive Maintenance

Reactive maintenance is most frequently required for vandalism activities (graffiti, broken glass, vehicle damage) or vegetation clearance such as broken tree branches. These issues are identified through regular inspections or through tracked customer complaints (via the Service Request system). This includes advising the private owners of headstones and monuments of any remedial repair work that may be required.

Routine Operations and Maintenance

Routine operations and maintenance at cemeteries includes grave digging and filling, ground reinstatement, mowing, tree trimming, garden presentation, toilet cleaning, and rubbish removal. The sensitive nature of cemeteries and their importance to the cultural and social wellbeing of the community means cemetery turf, gardens, and trees are maintained to a higher standard than regular parks and open spaces.

Major Maintenance

The need for major repairs is infrequent. The intensive routine and planned maintenance activities ensure that major maintenance issues are a rarity.

2.3.2 Crematorium

Planned Operations and Maintenance

Scheduled maintenance requirements are identified through the Parks and Open Spaces Team’s inspections of the Crematorium and facilities in conjunction with the Property Team. The Parks and Open Spaces Team in conjunction with specialist consultants conduct condition assessments of all critical assets within the Crematorium area every three years. Plant and equipment assets such as cremators and cremulator undergo annual inspection by the manufacturers as a preventative maintenance initiative. Items of maintenance identified in internal assessments and consultant reports are passed to the programmes team to schedule into planned work flows.

Reactive Maintenance

Reactive maintenance is most frequently required after power and/or gas cuts. The Parks and Open Spaces Service also monitor the fuel tanks for consistency and to ensure they do not drop below 30% full. The Parks and Open Spaces Team perform reactive maintenance following any damage to turf or gardens arising from either weather incidents or heavy use of the chapel facilities.

Routine Operations and Maintenance

Routine operations and maintenance at the Crematorium includes loading the cremators, ash removal, loading and removal from the cremulator, boxing ashes for collection by Funeral Directors, removing metal objects (such as knee and hip replacement joints) for later burial on-site, chapel cleaning and presentation. There is also intensive mowing, tree trimming and garden presentation. The sensitive nature of the Crematorium and its importance to the cultural and social wellbeing of the community means its turf, gardens and trees are maintained to a higher presentation standard than regular parks and open spaces.

Major Maintenance

For preventative maintenance the cremators undergo major inspection and overhaul annually.

2.3.3 Brooklands Zoo

The maintenance of Brooklands Zoo grounds and buildings fall into the Parks and Open Spaces Service’s generic general parks and building maintenance activities. The maintenance procedures for the care and containment of animals are outlined in the Brooklands Zoo Containment Plan, which includes:

- Procedures for opening and closing the zoo
- Public access, security and public safety escape preventions
- Habitat standards
- Inspection and maintenance routines
- Structural components
- Physical/psychological care and wellbeing of animals (animal welfare)
- Urgent maintenance
- Reporting procedures etc.

The Parks and Open Spaces Service do require additional work to determine both the communities’ expectations for this facility and the zoo’s continuing role in the wider captive breeding programme through ZAA. An improvement action regarding the need for a Zoo Strategy is included in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

Planned Operations and Maintenance

The Parks and Open Spaces Service has an annual programme that sets out the management, the projected aims and philosophies and resources for Brooklands Zoo. Planned maintenance activities are determined at the start of each financial year, including reviewing policies and procedures, planning for animal collections, visitor strategies (education, interpretation and visitor experience) and risk management and mitigation strategies.

It should be noted that in accordance with ZAA recommendations, there is no guarantee that animals lost either through natural attrition or transfer to another zoo’s breeding programme will be replaced by the same species, or at all. If animals are replaced under ZAA, the transfer cost is generally borne by the zoo receiving the animals.

Reactive Maintenance

Reactive maintenance is generally undertaken in response to health and safety issues for animals, staff, and visitors, natural events e.g. trees falling and through customer enquiry or expectation.

Routine Operations and Maintenance

Routine operations and maintenance includes animal management activities such as general daily care, health care, enrichment and welfare of the animals, and updating collection records. It includes covers interaction with the public, including school visits and educational groups.

Major Maintenance

Major maintenance is infrequent, but is most likely to be required for the hard assets associated with the zoo animals such as cages, security fencing and drainage works.

The 10 year Opex forecasts for the Parks and Open Spaces Service’s assets are included in **Tables 12 and 15 in Section 8: Financial Summary of the Parks and Open Spaces AMP: General Volume**.

2.4 Renewals

The renewals expenditure forecast includes a general provision for miscellaneous renewals at Brooklands Zoo and the renewal of two animal habitats based on the existing condition assessments and estimated remaining life (Project: **PK1011**). Renewal plans for assets at the Crematorium are included in the **Property AMP: Volume 7 – Parks and Open Spaces Buildings**.

The expenditure forecast for Renewals Projects, including services assets, is provided in **Table 16 in Section 8: Financial Summary of the Parks and Open Spaces AMP: General Volume**.

2.5 Disposals

No asset disposals are planned over the 10 year AMP period.

2021 – 2031 Parks And Open Spaces Asset Management Plan

2021–2031: He Rautaki Whakahaere Rawa mō
Ngā Papa Whānui

Volume 6 – Soft Assets

Pukapuka Tuaono – Ngā Pūkenga Tangata

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I. Introduction

This volume provides descriptions for the assets covered by the soft assets category of the Parks and Open Spaces AMP, including turf at sports grounds, reserves and streetscapes, trees and gardens, and coastal dunes. It also contains details for the asset lifecycle management of these assets.

The Parks and Open Spaces Service provides first class turf at Yarrow Stadium and Pukekura Park to support national, provincial and international matches and to provide a range of sports ground surfaces to accommodate different sporting codes. It also provides inviting open space general reserve areas and attractive landscaped streetscape environments that are sustainable and easily maintained.

Tree assets provide attractive landscaped environments in the district. Garden assets provide an ornamental horticultural landscape infrastructure and provide attractive landscaped environments. Also, coastal dune assets manage the coastal environment in the district.

I.I Asset Descriptions

Details for soft assets are provided in **Sections 1.1.1 to 1.1.4** below. Updated information regarding soft assets has not yet been added to EAM. There is an improvement action for asset data in **Section 10: Asset Management Improvement Programme** of the **Strategic Asset Management Plan**.

I.I.I Turf

The region is fortunate to have very good soils. Mainly volcanic loam, they provide very good grass cover and are generally well-draining. As a result, there is largely no requirement for modification to the subsurface of turf assets. The Parks and Open Spaces Team do irrigate the Pukekura Park cricket pitch, Puke Ariki Landing and parts of the Coastal Walkway.

An inventory of the turf assets is provided in **Table 1**.

Table 1: Turf asset details

Asset Type	Location	Area (ha)
High Profile Parks	Coastal Walkway, Puke Ariki Landing, Pukekura Park, Crematorium and Cemeteries	11.03
High Profile - Sportsground	Pukekura Park Wicket	2.79
High Profile Street	Airport Drive	3.13
Sports Grounds	Playing surface and surrounds only	67.98
General Reserve Mowing	Areas within reserves and walkways	215
Streetscapes	Berms and traffic islands	24.55
Grazing Areas	Leased to third parties	317.19

A survey of turf assets was completed in September 2020. The survey captured new areas, which are additional to the areas identified in **Table 1** and are outlined in **Table 2**.

Table 2: Newly captured areas for turf assets

Asset Type	Area (ha)
Garden	0.98
Mowing area	17.21
Other (i.e. bush and grazing areas)	6.85



I.I.2 Trees

Notable and protected trees are defined and listed in the New Plymouth District Plan (Operative and Proposed versions). The location and generic data of notable trees is captured on the Council’s GIS. The GIS also holds records of the location of street trees, which includes the botanical and common names and power-line clearance issues for each tree.

The Parks and Open Spaces Service estimate the total area of trees in parks and open spaces from the GIS. Accurate data will not be available until the process of capturing and verifying soft assets data is completed. This is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

An inventory of the tree assets recorded in the GIS is shown in Table 3 (information is from the 2018-2018 Parks AMP).

Table 3: Trees asset details

Asset Type	Location	Area (ha)
Reserve Trees	Trees within reserves with an amenity "value" and/or planted - proactive maintenance	101.73
Orchard Trees	Groups of fruit trees located on public reserves	1.95
Plantation Trees	Excluding Lake Mangamahoe	2.17
	Forestry - Lake Mangamahoe, Colson and Busing forests	225.40
Bush Remnant	Trees within reserve areas - reactive maintenance only	294.18
Street Trees	3,072 trees contained on the District Arborist street tree register	n/a
Notable Trees	1,817 trees listed on the notable tree register. Note: the majority of notable trees are on private property and do not have a NPDC asset number.	n/a

I.I.3 Gardens

Estimates from the GIS show the area of gardens contained in parks and open spaces to be between 8 to 10 hectares. The area of gardens in the CBD streetscapes and bedding displays is unknown.

A survey of garden assets was completed in September 2020; however, this information has not yet been added

An inventory of the gardens assets is shown in **Table 4** (information is from the **2018-2018 Parks AMP**).

Table 4: Gardens asset details

Asset Type	Location	Area (ha)
Amenity Planting	Along streets and within reserves, excludes flower displays	16.68
Collections	Significant plant collections and specific rose gardens	2.31
Displays	Intensive areas of flower bedding - "anything with colour"	0.07

In March 2012, the Parks and Open Spaces Service appointed a Botanical Records Officer based at Pukekura Park. A programme has since been initiated to capture garden and plant information at Pukekura Park into the IRIS-BG botanical database, in collaboration

to the Council's GIS and EAM. No accurate areas will be available until the capture of soft assets data is completed and verified. As noted above, this is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

with TRC and regional gardens. It is envisaged this work will significantly improve the garden asset data at Pukekura Park and have a flow on effect, improving definition and records in other areas.

I.I.4 Coastal Dunes

For planning purposes, the area of coastal dune assets is estimated from the GIS. No accurate area data will be available until the capturing and verifying soft assets data is completed. Details of the recorded coastal dune assets are shown in Table 5 (information is from the 2018-2018 Parks AMP).

Table 5: Coastal dunes asset details

Asset Type	Asset	Area (ha)
Dune	Coastal dune and sea area - reactive maintenance only	42.35
Dune revegetation	Dune areas with specific planting and fenced regeneration areas	25.99

2. Lifecycle

2.1 Identify Need and Plan

New soft assets installed by developers in reserve designated land to serve new domestic and non-domestic developments are usually vested in the Council. Assets are built to the NZS 4404:2010 – Land Development and Subdivision Standard and to the specific requirements as defined in NPDC, STDC, and SDC adopted standard for Land Development and Subdivision Infrastructure, which is based on NZS 4404:2010 with local amendments. When an asset is vested with the Council, full responsibility for the asset rests with the Council and it is included in the Parks and Open Spaces Service's operations, maintenance and future renewal plans.

Acquisitions are required for soft assets, including those associated with the purchase of new land (e.g. new turf/garden areas - see the Growth Projects in **Table 6** in **Section 5** of the **Parks and Open Spaces AMP: General Volume**). Further details about projects identified during the 10 year AMP period are provided in the **Parks and Open Spaces AMP: General Volume**, including the 'Planting our Parks' programme.

2.1.1 Asset Condition

Soft assets are not subject to condition inspection and assessment.

2.1.2 Asset Remaining Lives

Asset RUL are not applied to soft assets.

2.1.3 Critical Assets

Soft assets are not considered critical so are not subject to criticality assessments. However, the emergence of rain gardens in new subdivisions will need to be considered in the future when the functionality and performance of these assets is better understood.

2.2 Design and Build

See **Section 6: Lifecycle** of the **Parks and Open Spaces AMP: General Volume** for general information about the design and build process for parks and open spaces assets, including the standardisation of assets and requirements for bespoke designs.

2.3 Operations and Maintenance

Section 6: Lifecycle of the Parks and Open Spaces

AMP: General Volume provides general information about the operation and maintenance of parks and open spaces assets. Specific information for soft assets is provided over the page.

2.3.1 Turf

Planned Operations and Maintenance

Planned maintenance is generally to maintain the integrity of surfaces for the life of the asset. The Parks and Open Spaces Service schedule planned maintenance of sports grounds twice a year based on advice from the NZ Sports Turf Institute.

Reactive Maintenance

Reactive maintenance is normally in response to complaints or damage identified during programmed inspections. It is often related to vandalism or when a rapid response is required to prevent damage to the asset e.g. pest infestation such as insects and rabbits (see Project: **PK3001**). As noted in **Section 7.2.2.1** of the **Parks AMP: General Volume**, the Council is required to undertake pest plant control throughout the district’s roadsides and reserve land; however, in remote areas control has been reactive where TRC issues a Notice of Direction for non-compliances. This is an improvement action and is recorded in the **Parks and Open Spaces AMP: General Volume - Section 9 (Improvement Plan)**.

Routine Operations and Maintenance

All operations and maintenance activities are heavily dependent on the weather. Routine maintenance includes regular inspection of turf areas by the Parks and Open Spaces Team.

The Parks and Open Spaces Service has a programme of sports turf maintenance that includes mowing, coring, grooving, topdressing, fertilising, and under sowing. The turf type and usage determines the frequency of these activities. Currently, fine turf areas (e.g. Pukekura Park cricket pitch and Yarrow Stadium.) are mown weekly, or to performance targets set by users. The Coastal Walkway, sports grounds, Pukekura Park, cemeteries etc. are mown fortnightly. Reserves and walkways are mown every three to four weeks.

Major Maintenance

Turf assets require major planned maintenance very infrequently, and generally it occurs following some failure of the surface. The Parks and Open Spaces Service conduct verti-draining of some sites regularly to address drainage and compaction issues.

2.3.2 Trees

Planned Operations and Maintenance

Planned maintenance is generally for maintaining the integrity of tree areas for the life of the asset. The Parks Services Lead and Arboriculture Coordinator coordinate biannual inspections of notable trees and annual inspection of other streetscape trees. The Parks and Open Spaces Service also undertake planned pest control activities.

Reactive Maintenance

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and is recorded through the Service Request system which documents and tracks response times. Much of the reactive maintenance undertaken is in response to weather events (clearing of debris), vandalism and pest control.

Routine Operations and Maintenance

Routine maintenance includes regular inspection of trees by the Parks and Open Spaces Team. The Parks and Open Spaces Service is responsible for trees on berms or other Council land and for trees growing under power lines that were historically the responsibility of power companies. In-house staff and contractors undertake routine maintenance following inspections. The work to trim back trees under power lines is contracted to Powerco approved contractors.

Major Maintenance

Major maintenance is required infrequently but generally occurs following severe weather events or storms.

2.3.3 Gardens

Planned Operations and Maintenance

Planned maintenance focuses on maintaining the integrity of garden areas for the life of the asset. Garden areas can range from CBD streetscapes, bedding and gardens that are maintained and replaced twice yearly, to special plantings that may have a life from three to 20 years depending on species and location. Annual maintenance plans determine the timing and scope of maintenance for these areas.

Reactive Maintenance

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and are recorded as tasks via the Service Request system, which documents and tracks response times. Much of the reactive maintenance undertaken is in response to weather events (clearing of debris and reinstating damaged areas) and vandalism.

Routine Operations and Maintenance

Routine maintenance includes regular inspection of garden areas by the Parks and Open Spaces Team. It is generally undertaken in accordance with set and well defined Levels of Service.

Major Maintenance

Major planned maintenance is required infrequently but generally occurs following instances of disease or pest infestation.

2.3.4 Coastal Dunes

Planned Operations and Maintenance

Planned maintenance focused on maintaining the integrity of coastal dune areas. Coastal dune work is undertaken in the area above Mean High Water Springs and includes sand redistribution, planting, fencing and dune restoration projects. Annual maintenance plans determine the timing and scope of maintenance for these areas.

Reactive Maintenance

Reactive maintenance is generally in response to customer enquiries, referrals, or complaints and is recorded through the Service Request system. Much of the Parks and Open Spaces Service’s reactive maintenance is in response to weather events (clearing of debris and reinstating washed out areas), removal of dead livestock and pest control.

Routine Operations and Maintenance

Routine maintenance includes regular inspection of coastal dune areas by the Parks and Open Spaces Team.

Major Maintenance

Major planned maintenance is required infrequently and generally occurs following a severe weather event or storm.

The 10 year Opex forecasts for the Parks and Open Spaces Service’s assets are included in **Tables 12 and 15** in **Section 8: Financial Summary** of the **Parks and Open Spaces AMP: General Volume**.

2.4 Renewals

Soft assets generally do not require renewal; therefore, no renewal expenditure is forecast for the period of the AMP. However, the recent trend to install rain gardens as part of new subdivisions as specified in NZS 4404:2010 will result in renewals being required in the future. The performance of these assets will be monitored and renewals plans will be included in future AMPs when required.

2.5 Disposals

No asset disposals are planned over the period of the AMP.

