

# Tactical Resource Plan - Approval Form

**To:** Paul Henderson, Region Manager, Te Ihu

**From:** Craig Davies Group Manager, Nelson Marlborough District, Te Ihu

**Date:** 21/03/23

**Action:** Approve the Tactical Resourcing Plan for the new amalgamated Motueka / Tasman Volunteer Fire Brigade

## Proposal

To approve the resources that will be housed at the new Motueka / Tasman Volunteer Fire Brigade Fire Station.

- 1 Pump
- 1 Pump Rescue Tender
- 1 Tanker
- 1 x Van
- 32 operational establishment

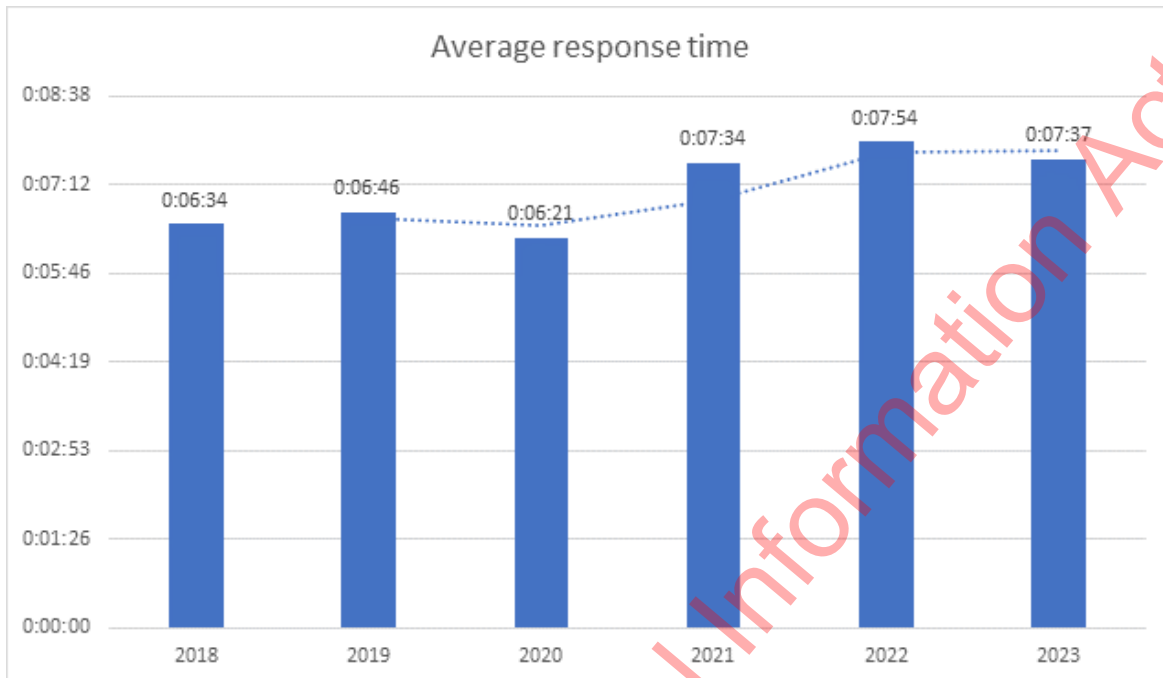
To approve the Tasman Volunteer Fire Brigade resources that will also be housed on site at the new Motueka / Tasman Volunteer Fire Station.

- 1 x Rural Pump
- 1 x Smoke Chaser
- 1 x Support Vehicle
- 20 operational establishment

## Background

The current Motueka Volunteer Fire Brigade Station (Built) is a three-bay station in a medium risk seismic area located on a 1,673m<sup>2</sup> narrow footprint of land in the Motueka township, owned by Fire and Emergency New Zealand. The Motueka Brigade is classified as Medical Co-Responder. Access to the current station location by volunteers responding to incidents is increasingly difficult because it is located on a busy state highway servicing several very popular holiday destinations. The road has a 30kph limit and traffic lights to negotiate – as a result response times have increased by nearly a minute on average over the past 2 years.

The graph below shows the Motueka Brigade average response times over a 5-year period.  
Response time = time elapsed from turnout to K1 – enroute.



The land parcel size also proves difficult to conduct training onsite.

In addition to these challenges, limitations with the Motueka Fire Station layout requires appliances to reverse into the station across State Highway 60 which presents a number of health and safety risks relating to near misses with traffic.

4353	Near Miss	Firefighter holding traffic stopped for appliance to reverse into station moved out of lane before instructed allowing public vehicles to directly move toward each other in the same lane nearly hitting firefighter as he moved back into the lane to re stop vehicle cue and thus stopping vehicles colliding head on. Officer had not instructed FF to move from his position.	17/07/2020 12:00:00 AM		Mobile plant
6636	Near Miss	While stopping traffic outside the station to reverse the appliance into the station after a call out 2 vehicles failed to stop for one of the members who was holding up a stop sign. The vehicles passed within 1-2m of the member and the drivers made eye contact as they passed. Both members were operating under my direction (ASO 9(2)a) and had compliant fluoro vests worn correctly.	25/03/2021 12:00:00 AM		Mobile plant
7585	Near Miss	While stopping traffic outside the station to reverse the appliance into the station after a callout 1 vehicle stopped for one of the members who was holding a stop sign. The appliance was	20/07/2021 12:00:00 AM		Vehicles and mobile

		given the ok to enter the road and was reversing back, before the appliance had left the road the vehicle drove passed SFF 9(2)a who was still displaying the stop sign, he was wearing compliant level 1 uniform and had LED wand set to flashing. Both members working on the roadway where operating under my direction (ASO 9(2)a).			
13007	Near Miss	Appliance exiting station nearly hit motorbike traveling speed – driver’s vision was partially blocked by parked high roof vehicles on high street and he failed to see bike – OIC also did not see bike. Bike came within 1m of front of appliance and took evasive action to miss truck.	18/12/2022 12:00:00 AM	TDC has been notified and Waka Kotahi and they are investigating traffic lights outside station.	Vehicles and mobile
13040	Near Miss	On our return to station in 361 we pulled onto the apron beside 367 who was reversing into station. As we were waiting to pull onto the road a scooter rode passed the front of 367 at speed then drove between 361 and the station.	22/12/2022 12:00:00 AM	Waka Kotahi has been requested to fit traffic lights to road in front of station. until then extra caution is required.	Vehicles and mobile
13051	Near Miss	While crossing the threshold of the appliance bay, while responding to an incident. A pedestrian approached the path of our appliance and paused. We were under siren and braked to avoid the pedestrian as we were leaving the station. Us stopping seemed to create a situation where be chose to walk across our path, ignoring the fact that we were responding to an emergency.	23/12/2022 12:00:00 AM	Waka Kotahi has been notified and a request for traffic lights sent.	Vehicles and mobile

The Strategic Plan for Property lists Motueka Volunteer Fire Station as a ‘hold and maintain. However, this does not necessarily take into account the stations current ‘fit for purpose’ status regarding access and training space limitations, and also the opportunity to amalgamate with the Tasman Brigade.

The Tasman Volunteer Fire Station (Natural) is located on the south-east corner of the Motueka-Abel Tasman Airport on Tasman District Council leased land in the same vicinity as the proposed new amalgamated station site. The Council have expressed strong interest to lease the required land parcel to Fire and Emergency NZ and require a formal request to hold this land.

This proposed building site offers ample room to satisfy the amalgamation objective, and also recognises Motueka township is gradually spreading west towards this part of the township filling

what is described as a 'growth area', first identified in the Tasman District Council Motueka West and Central Urban Development consultation document, 2009.

Motueka is the second largest town in the Tasman District. The Tasman District Council Long Term Plan 2018-2028 – 'What is planned for Motueka' notes 'the importance of the township as a hub for tourism and horticulture and the gateway to the Abel Tasman National Park and Golden Bay. In summer and at harvest time, the town accommodates many tourists and seasonal workers'.

The Long-Term Plan describes the issue of 'SH60 bisecting the town creating cross boundary effects between rural and urban activities and an inefficient road layout'. It further states 'in 2014, a plan change was undertaken to expand residential, commercial and industrial zoning in Motueka West, and adjacent to High Street'. The proposed new station location would be well positioned for both volunteers 'mustering' following turnout by enabling easier access to the station, and then the response itself to this growth area of the township.

***For Fire and Emergency New Zealand to lease a more appropriate size land parcel from the Tasman District Council allowing for amalgamation of both brigades this tactical resource plan requires approval.***

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The Motueka Volunteer Fire Station resources are listed below;

Category	Call sign	Vehicle registration
1ST PUMP	MOTU361	MNJ691
PUMP RESCUE TENDER	MOTU367	MQG50
TANKER	MOTU3611	DYN467
VAN	MOTU3629	EMK431

The Motueka Volunteer Fire Brigade has an establishment of 32 and a current membership of 27 including operational support.

Position group	Position	Personnel
Firefighter	Firefighter	2
	Operational Support Firefighter	2
	Operational Support Senior Firefighter	1
	Qualified Firefighter	6
	Recruit Firefighter	2
	Senior Firefighter	4
<b>Total</b>		<b>17</b>
Officer-in-Charge	Chief Fire Officer	2
	Deputy Chief Fire Officer	1
	Operational Support Station Officer	2
	Senior Station Officer	2
	Station Officer	3
<b>Total</b>		<b>10</b>
<b>Overall total</b>		<b>27</b>

It is also anticipated that the Tasman Volunteer Fire Brigade (Natural) will amalgamate with the Motueka Brigade on the same site as this would enable a number of efficiencies such as shared lease costs, combined training ensuring a higher level of compliance, joint recruitment drive initiatives and overall reduced response times.

The Tasman Volunteer Fire Brigade resources are listed below;

Category	Call sign	Vehicle registration
RURAL PUMP	TASM4771	HYS239
SMOKE CHASER	TASM4725	KSR614
SUPPORT VEHICLE	TASM4726	FZK4

The Tasman Volunteer Fire Brigade have an establishment and membership of 20 including operational support;

Position group	Position	Personnel
Firefighter	Rural Firefighter	10
	Rural Recruit Firefighter	5
Total		15
	Non Operational Support	1
	Operational Support	1
	Rural Controller	1
	Rural Deputy Controller	1
	Rural Operational Support	1
Total		5
Overall total		20

Motueka Volunteer Brigade has a first response area (FRA) consisting of 409km<sup>2</sup> with a population of 11,062. Motueka township itself has a population of 8330 (2022, StatsNZ), out of which both Motueka Volunteer Fire Brigade and Tasman Volunteer Fire Brigade currently compete for members.

Within the FRA, the brigade has responded to an annual average of 188 incidents over the past five years and including outside FRA responses, 230 in total. 16% percent of the incidents are motor vehicle crashes and 14% medical responses.

Incidents responded to by 3236 Station	Inside FRA			Outside FRA			Grand total
	Inside work hours	Outside work hours	Sub total	Inside work hours	Outside work hours	Sub total	
Structure Fire	6	7	13	2	2	4	17
Vegetation Fire	6	7	13	4	2	6	19
Special Service Calls	5	5	9	1	1	2	11
False Alarm	33	25	58	6	4	10	68
Assist Public	6	7	13	1	1	2	15
HAZMAT	3	0	3	0	0	0	3
Heat/Pressure	0	0	1	0	0	0	1
Incomplete	1	0	1	0	0	0	2
Other Fire	9	12	21	3	1	4	25
Medical	12	15	27	2	2	4	31
Rescue	2	0	2	0	0	1	3
Vehicle Accident	15	12	28	5	4	9	37
<b>Total</b>	<b>98</b>	<b>90</b>	<b>188</b>	<b>25</b>	<b>17</b>	<b>42</b>	<b>230</b>



As a natural environment brigade Tasman Volunteer Fire Brigade does not have a first response area (FRA), however the brigade has responded to an annual average of 12 incidents over the past 5 years. The majority of these were to vegetation fires but as is evident by the 2 structure fires per year, a positive by-product of cohabitation would be the increased capability gained through training and more efficient sharing of resources and workload. For example, Tasman crews could respond in the tanker to all vegetation incidents in the Motueka area – therefore reducing the workload for all personnel.

Incidents responded to by 3247 Station	Outside FRA		Sub total	Grand total
	Inside work hours	Outside work hours		
Structure Fire	1	1	2	2
Vegetation Fire	3	2	5	5
Special Service Calls	0	0	0	0
False Alarm	1	1	2	2
Vehicle Accident	0	0	1	1
Assist Public	0	0	0	0
Other Fire	1	1	2	2
Incomplete	0	0	0	0
<b>Total</b>	<b>7</b>	<b>6</b>	<b>12</b>	<b>12</b>

Responses outside the Motueka Station FRA in support of neighbouring brigades is evident by the following table. This demonstrates the importance of Motueka Fire Brigade as a multi-appliance station acting as a hub for the surrounding area, especially into Kaiteriteri and Mapua.

FRA	Average response time (mm:ss)	Average response count
Kaiteriteri	22:56	17
Mapua	17:22	12
Upper Moutere	22:00	6
Tapawera	59:36	1
Nelson	26:34	1
Takaka	47:16	1
Wakefield	43:35	1
Richmond	27:42	1

The Motueka Volunteer Fire Brigade main assistance support comes from:

- Tasman

- Ngatimoti

Which illustrates the important support role Tasman Volunteer Fire Brigade fulfils.

Station	Average response time (mm:ss)	Average response count
Motueka	12:33	314
Tasman	14:18	16
Ngatimoti	18:15	15
Nelson	40:05	8
Mapua	24:45	7
Upper Moutere	20:48	3
Kaiteriteri	30:48	3
Upper Takaka	28:48	2
Richmond	22:40	2
Takaka	46:39	1

### Recommendation

**A) Approve** the Tactical Resourcing Plan for the new Motueka / Tasman fire station to accommodate the following resources;

- 1 Pump
- 1 Rescue Tender
- 1 Tanker
- 1 Vans
- 32 operational establishment

**B) And,** approve the Tasman Volunteer Fire Brigade resources that will also be housed on site at the new Motueka / Tasman Volunteer Fire Station.

- 1 Rural Pump
- 1 Smoke Chaser
- 1 Support Vehicle
- 20 personnel
- Plus 100sq/m office area for District management and NHQ staff



**Craig Davies**

**Group Manager, Nelson Marlborough District**

Date .....

**Approved Yes/No**

**Signed:**.....

**Grant Haywood**

**District Manager, Nelson Marlborough District**

Date .....

**Approved Yes/No**

**Signed:**.....

**Paul Henderson**

**Fire Region Manager Te Ihu**

Date .....

**Signed:** .....

GM to date  
and sign



DM to date  
and sign



Then  
forward to  
RM for final  
approval

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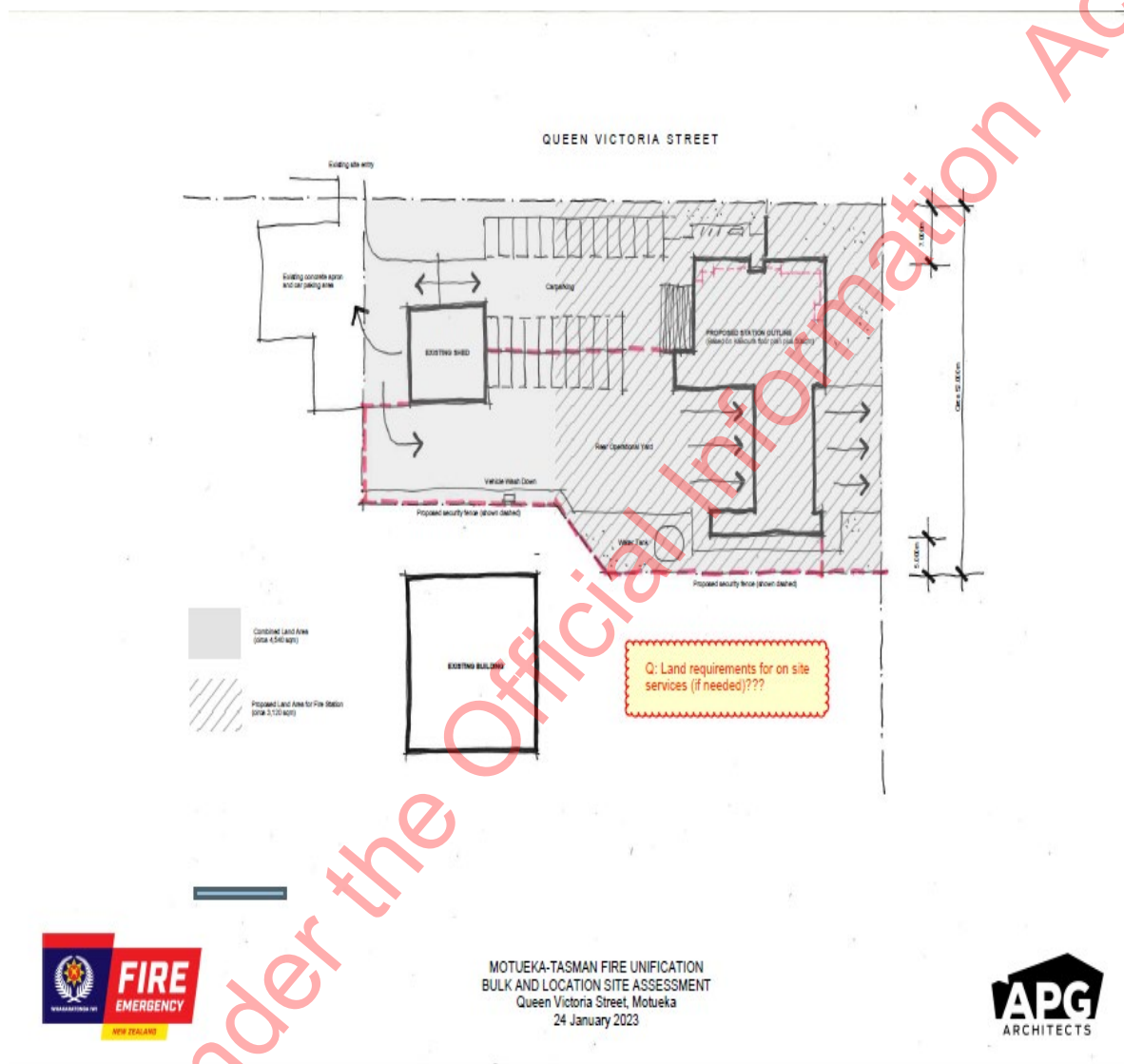
**Appendix A**

The area we are considering is as follows, the existing structure is the FENZ Rural Brigade.



Appendix B

Proposed station plan and surrounds

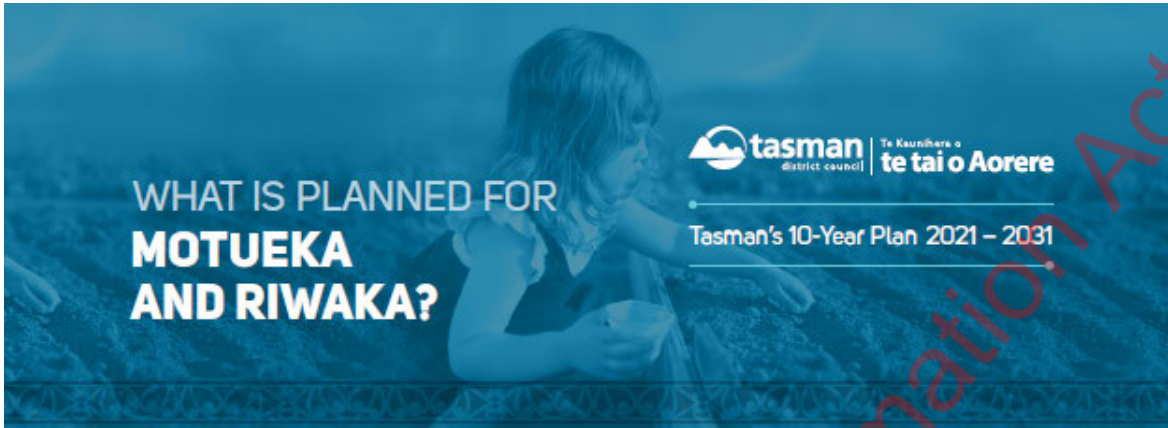


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MOTUEKA-TASMAN FIRE UNIFICATION  
BULK AND LOCATION SITE ASSESSMENT  
Queen Victoria Street, Motueka  
24 January 2023





# WHAT IS PLANNED FOR MOTUEKA AND RIWAKA?

**tasman** district council | Te Kauhiri o te tai o Aorere

Tasman's 10-Year Plan 2021 – 2031

This is an overview of Motueka and Riwaka's growth projections and some of the significant projects in Tasman's 10-Year Plan 2021 – 2031. These projects aim to address anticipated growth, maintain and improve the services we provide, and make sure our public infrastructure is maintained and fit for purpose.

## GROWTH PROJECTIONS 2021–2031

Over the next ten years, Tasman's population is projected to grow by 7,700, under a medium-growth scenario, to reach 64,300 by 2031. Council has considered a range of population growth scenarios which have varying assumptions regarding births, deaths and migration. A low-growth scenario would see Tasman's population grow by 3,800, while the high-growth scenario would result in growth of 11,000 more residents.

After considering recent estimated population and dwelling growth rates, Council has assumed the medium-growth scenario for Tasman's 10-Year Plan.

Council has estimated the likely development in Motueka and Riwaka in terms of the number of new houses or new business properties we assume can and will be built. This is based on the demand projections under the medium scenario, the amount of serviced and zoned land, and knowledge of development proposals and landowner intentions. The actual number and location of new houses and commercial/ industrial buildings is largely determined by the private

sector, including landowners, financial institutions and the construction industry. Council acknowledges that there is unmet demand in some parts of the District, and is working to address this.

Council is planning sufficient infrastructure servicing over the next 20 years to enable development of all the residential land in the western side of High Street, Motueka. Development in the other parts of Motueka will remain limited, due to natural hazard risks in the east and a preference to avoid expansion into productive land on Motueka's outskirts. Council anticipates that Motueka and Riwaka are unlikely to have sufficient residential land to meet projected demand. To offset the undersupply in Motueka in the short-term, Council has assumed a higher rate of development in Richmond, to ensure there is sufficient capacity across Tasman's entire urban environment.

To address the long-term undersupply of residential land in Motueka, Council is planning for development during the 2030's of a significant area of land in Lower Moutere, with potentially 1,200 new houses.







### WHAT INVESTMENT IS PLANNED IN THE NEXT TEN YEARS FOR INFRASTRUCTURE AND COMMUNITY FACILITIES?

Council currently provides the Motueka settlement with wastewater and stormwater services. However, Motueka is only partially serviced with water supply. Many properties have their own private bores and are not connected to the Council network. Motueka is serviced by a well-connected road and footpath network, and Tasman's Great Taste Trail passes through Motueka. The Motueka community is currently serviced by a range of parks, reserves and community facilities.

Council has planned further investment, including these projects, to address anticipated growth, improve the services we provide, and make sure our public infrastructure is maintained and fit for purpose.

The timing and location of new infrastructure, to enable future development, is based on the Plan's growth scenario. Growth projections are updated every three years as part of each Long Term Plan. If actual growth starts occurring at a faster rate, Council will respond by considering necessary changes to projects and plans.



#### COMPLETION OF THE NEW MOTUEKA LIBRARY 2020 – 2022

A new, purpose-built, 1,100m<sup>2</sup> single-storey library to meet our community's current and future needs.



#### STOPBANK IMPROVEMENTS 2021 – 2022

Refurbishment of Motueka stopbanks.



#### MOTUEKA WEST STORMWATER IMPROVEMENTS 2021 – 2024

Stormwater system to convey flows from the development area west of High Street towards Woodland drain.



#### MOTUEKA GROWTH WASTEWATER INFRASTRUCTURE 2021 – 2024

New pressure main for Motueka West to wastewater treatment plant to enable development of Motueka West.



#### NETWORK IMPROVEMENTS 2021 – 2030

New pump station, reservoir and water mains to increase network capacity.



#### MOTUEKA WEST WATER RETICULATION 2021 – 2031

New water main to Motueka West to provide water to proposed developments.



#### MOTUEKA COMMUNITY POOL 2023 – 2024 (1/3 community contribution)

We are working with the Motueka community to contribute to the building of an indoor swimming facility. This work will include a feasibility study.



#### NEW WASTEWATER TREATMENT PLANT 2024 – 2029

Designation, resource consent, and land purchase for new inland wastewater treatment plant in Motueka.



#### PORT MOTUEKA FACILITIES 2025 – 2026

Compliant facilities for boat maintenance activities to improve environmental protection.

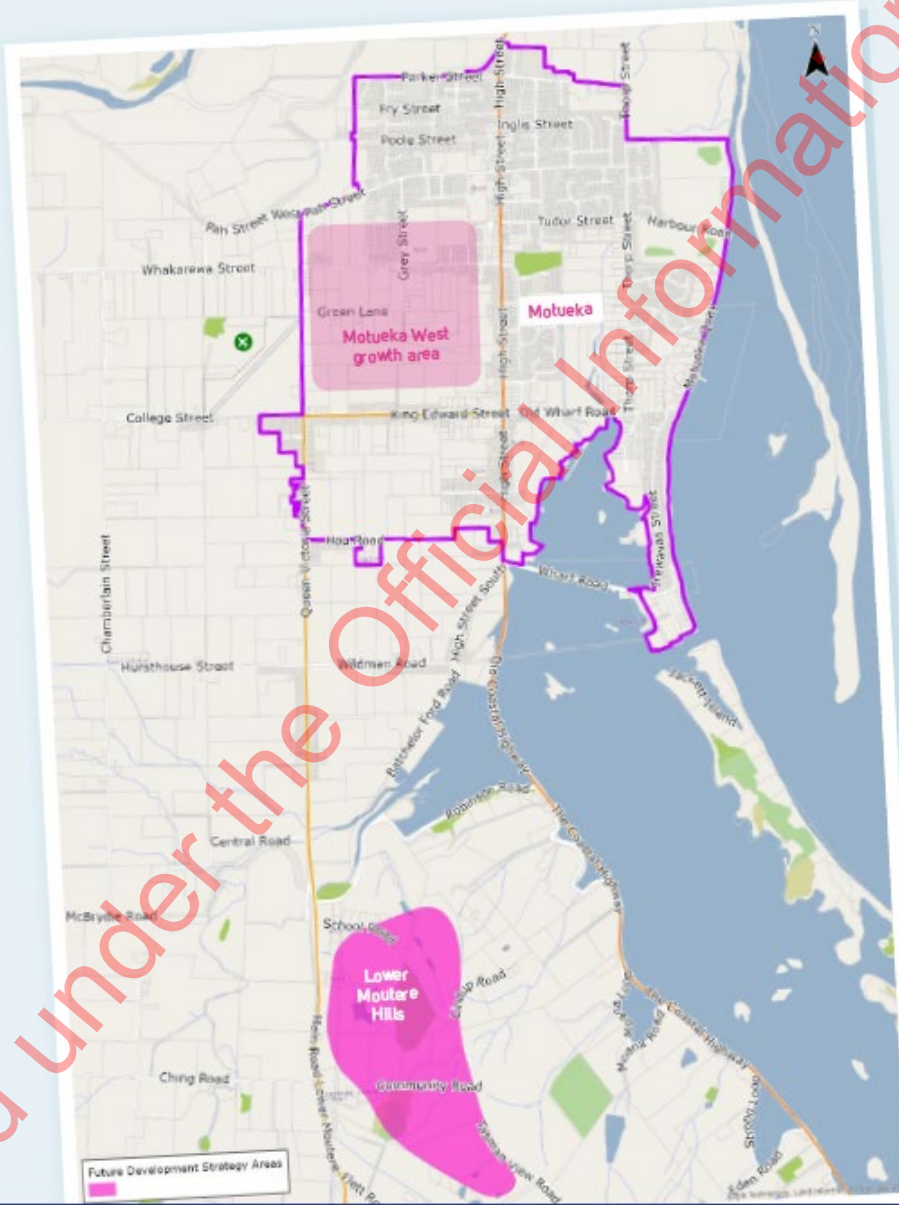
Note: The inclusion of projects in Tasman's 10-Year Plan is not a commitment to carry out the projects concerned.

You can see the locations of these projects on a map at [LTP.tasman.govt.nz](http://LTP.tasman.govt.nz). Also available are maps of the parks and community facilities in your area.



### MAP OF MOTUEKA AND LOWER MOUTERE HILLS FUTURE GROWTH AREA

These growth projections are for the area outlined in purple. These boundaries are for planning purposes and don't necessarily indicate the extent of future development.





The Lower Moutere Hills area was identified in the Nelson Tasman Future Development Strategy (FDS) as an expansion area for medium to low density development. This area is shown on the following map. At this stage, the Lower Moutere Hills potential growth area is only a recommendation of the 2019 FDS. Further evaluation is required before the area may be determined suitable for proposed rezoning.

Council expects there will be sufficient land supply to meet future demand for commercial/industrial properties in Motueka for the next ten years.

Council has not planned to enable increased capacity in the Riwaka township as this land is flood prone. This does not prevent new houses from being built in this area but it does signal that Council's preference is for this demand to be taken up elsewhere in the Motueka Ward area.

The Nelson Tasman Future Development Strategy (FDS) is a joint strategy between Tasman District Council and Nelson City Council which identifies future growth areas for various types of development, including intensification, expansion and rural residential. Further information on the FDS is available on our website at [tasman.govt.nz/link/fds](http://tasman.govt.nz/link/fds). The FDS will be reviewed in 2021/2022 and there will be an opportunity for further public feedback.

### DEMOGRAPHIC PROJECTIONS

Updated population projections have been used to estimate future demand for new houses and business properties. The key demographic trends for Tasman

are ongoing population growth over the next 30 years, driven by net migration gains. Growth is expected to slow over time, largely due to an ageing population.

### AGEING POPULATION

Under the medium scenario, all age groups in Tasman are projected to experience growth. However, the highest growth continues to be in the 65+ age group, whose proportion is projected to increase from 21% in 2018 to 34% in 2048. This increase, known as structural ageing, means that total population growth rates are projected to slow down over time.

For the Motueka Ward, the percentage aged 65+ years is projected to increase from 23% in 2018 to 29% by 2033, and 32% by 2048.

The ageing population is driving a change in the average household size for Motueka and Riwaka, projected to decrease from 2.4 in 2021 to 2.3 in 2031, and 2.1 by 2051. The numbers of one-person households and couple-without-children households are projected to increase.

### ASSUMPTIONS AND UNCERTAINTY

There is always a degree of uncertainty when making assumptions about the future. There are several factors which are difficult to predict such as population migration, developer and landowner activity, and natural events. The Covid-19 pandemic has created even more uncertainty in the development of this Plan.

We will continue to monitor population change, economic trends and construction activity. Any significant changes will be incorporated in future updates of Council's strategic plans, including the Future Development Strategy, Long Term Plans and Annual Plans. We're also working with our communities on a new resource management plan, which we're calling Aorere ki uta, Aorere ki tai – Tasman Environment Plan. Further information is available at [environmentplan.tasman.govt.nz](http://environmentplan.tasman.govt.nz).

